210990

Industrial Corrosion Management, Inc.
1152 Route 10
Randolph, New Jersey 07869
FAX #: 973-584-0514
Telephone #: 973-584-0330

RECEIVED
APR 16 1998

CLIENT: ROY F. WESTON, Inc.

PROJECT: RFP No. 2505

SDG #: CD-01

Organic Data Package

Laboratory Numbers: 286621 - 286633

VOLUME-2

ICM Laboratories Quantitation Report

(QT Reviewed)
APR 16 1998

Signal #1 : F:\1\DATA_H\HA3582.D\ECD1A.CH
Signal #2 : F:\1\DATA_H\HA3582.D\ECD2B.CH
Acq On : 25 Mar 98 8:45
Sample : INDAM01
Misc :
IntFile Signal #1: EVENTS.E
Quant Time: Feb 25 10:53 1998

Vial: 12
Operator:
Inst : GC_5890_8
Multiplr: 1.00
IntFile Signal #2: EVENTS2.E
Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50
Signal #1 Info : 0.53mm

Signal #2 Phase: RTx-1701
Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	326417	251391	22.733m	18.711	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					56.83%#	46.78%#	
22) SA Decachlorobiphen	39.48	41.55	888461	1062146	46.010	40.364	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					115.03%	100.91%	
Target Compounds							
2) A alpha-BHC	11.08	14.37	257898	229821	23.361	22.383	0.02
3) MA gamma-BHC (Linda	13.01	16.48	265950	237433	23.311	21.567	
4) MA Heptachlor	14.38	17.66	240073	415162	20.783	21.204	
9) A Endosulfan I	21.35	24.56f	310194	316111	22.816	21.946m	
13) MA Dieldrin	23.20	26.46	556222	564986	42.811	40.050	0.04
14) MA Endrin	25.06	27.61	537836	528730	46.936	43.678	
16) A 4,4'-DDD	25.97	29.71	338970	354855	44.879	40.893	
17) MA 4,4'-DDT	27.48	30.57	378652	386913	41.477	38.567	
20) A Methoxychlor	32.31	33.75	1151023	1557978	185.758	173.776	0.20
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3582.D\ECD1A.CH Vial: 12
Signal #2 : F:\1\DATA_H\HA3582.D\ECD2B.CH
Acq On : 25 Mar 98 8:45 Operator:
Sample : INDAM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 10:53 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

152

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int. 272

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3582.D\ECD1A.CH
Signal #2 : F:\1\DATA_H\HA3582.D\ECD2B.CH
Acq On : 25 Mar 98 8:45
Sample : INDAM01
Misc :

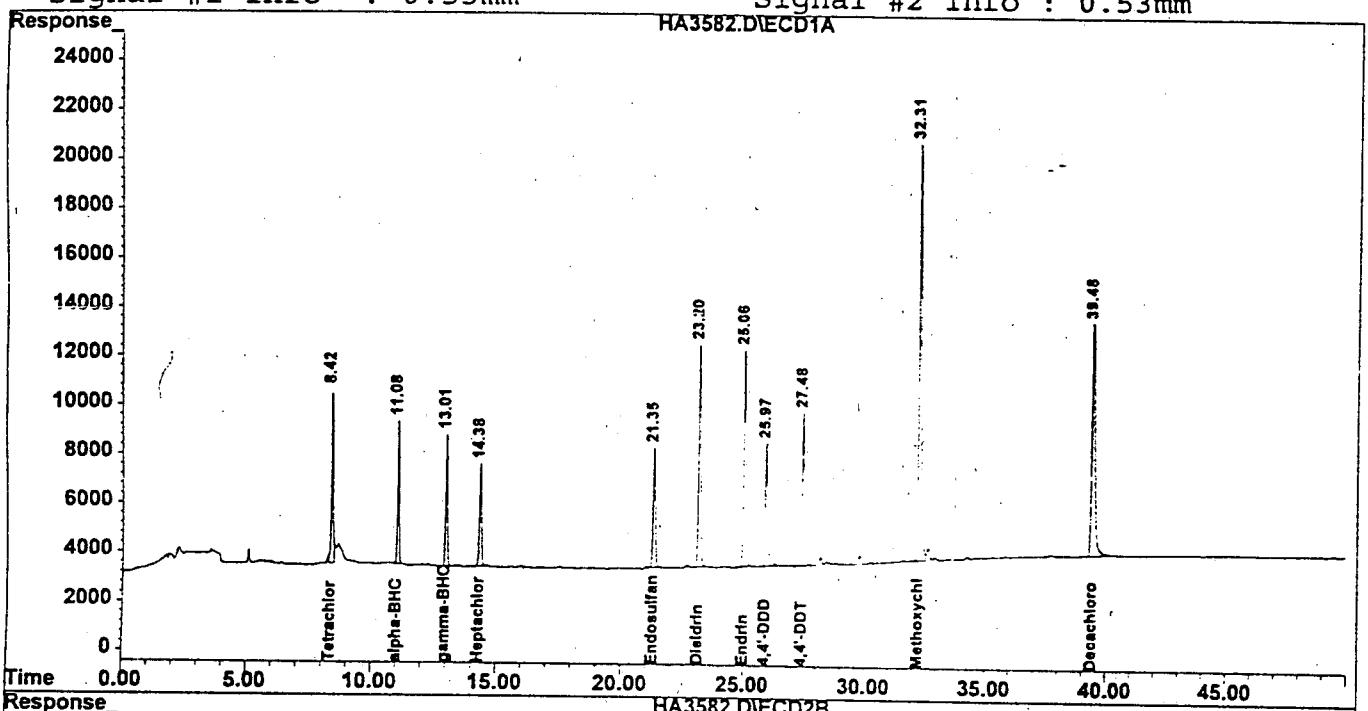
Vial: 12
Operator:
Inst : GC_5890_8
Multiplr: 1.00

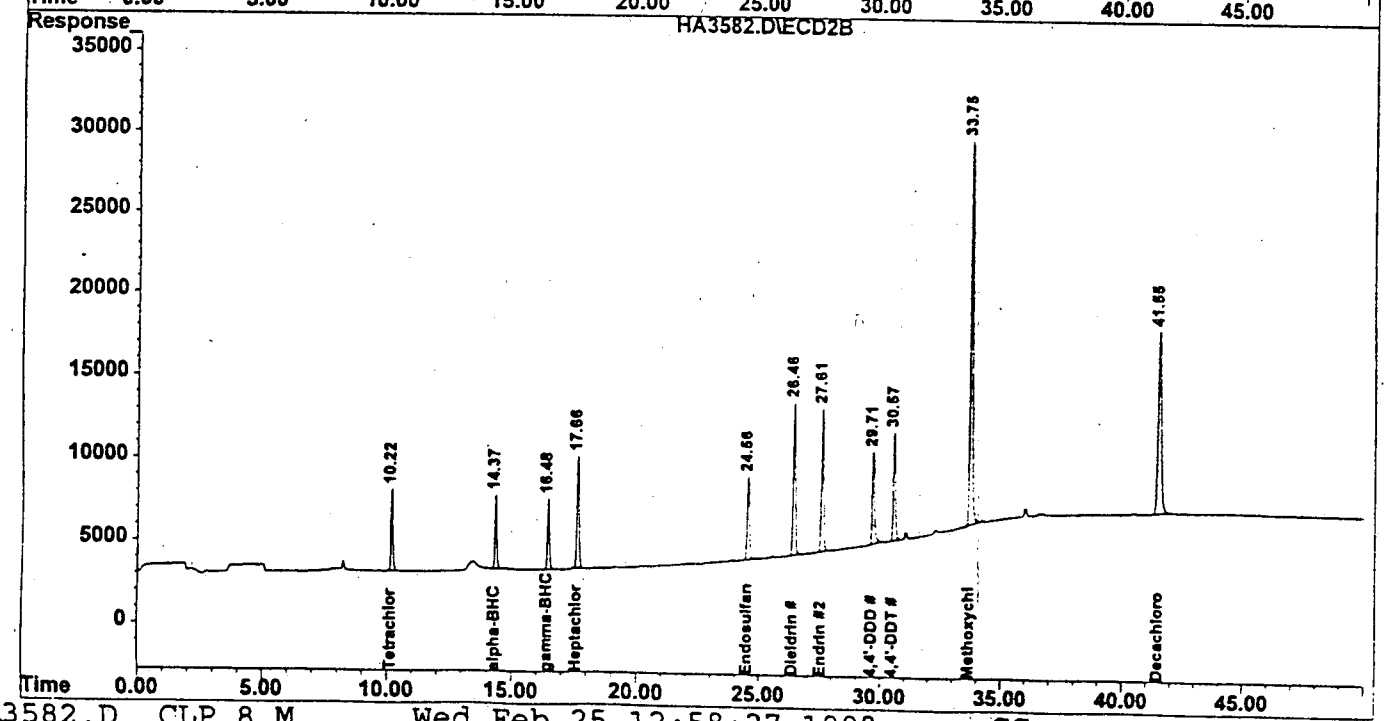
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 10:53 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50
Signal #1 Info : 0.53mm

Signal #2 Phase: RTx-1701
Signal #2 Info : 0.53mm

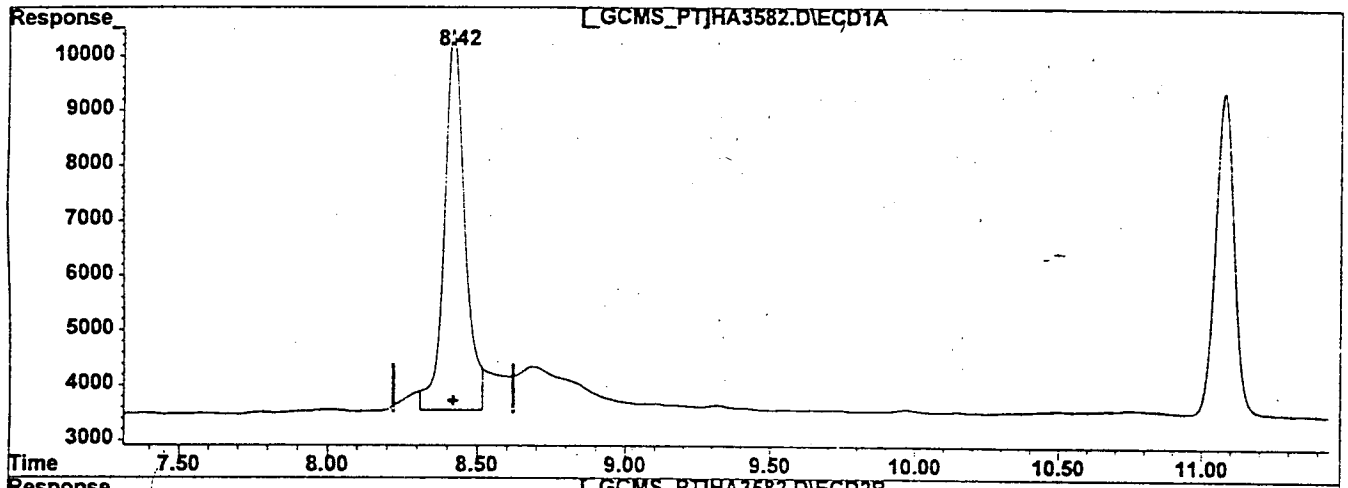


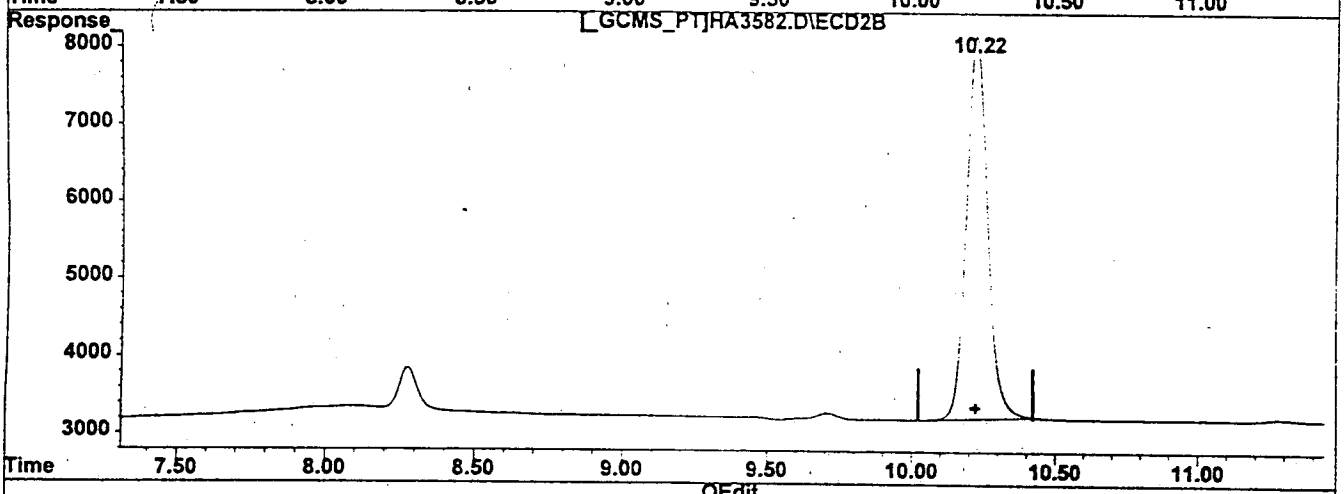


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3582.D\ECD1A.CH Vial: 12
Signal #2 : F:\1\DATA_H\HA3582.D\ECD2B.CH
Acq On : 25 Mar 98 8:45 Operator:
Sample : INDAM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 10:53 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.42min 22.733ng/ml m

response 326417

(1) Tetrachloro-m-xylene #2 (SA)

10.22min 18.711ng/ml

response 251391

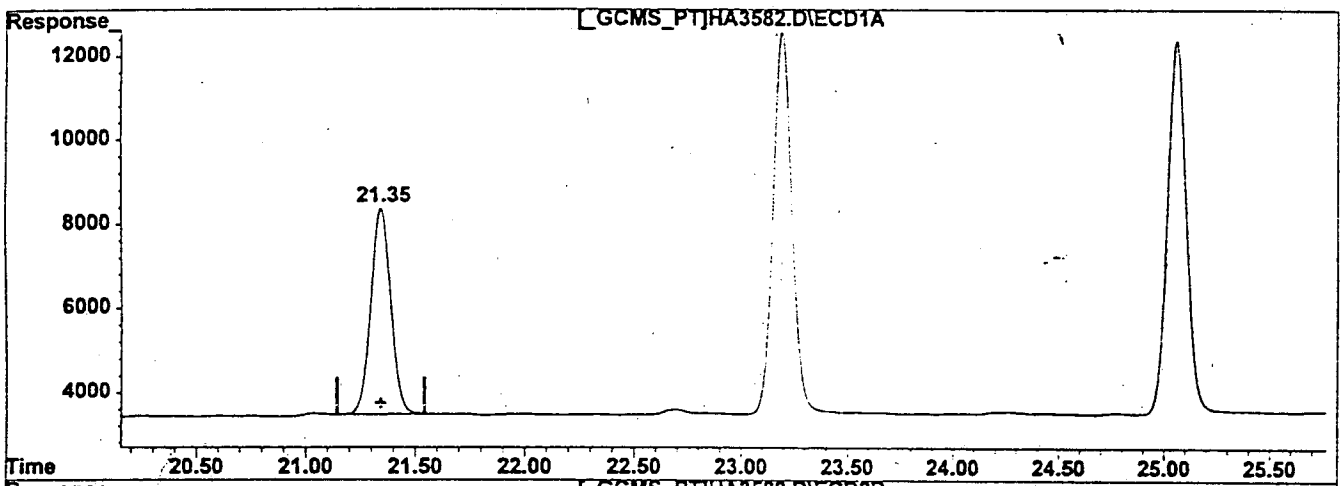
(+) = Expected Retention Time

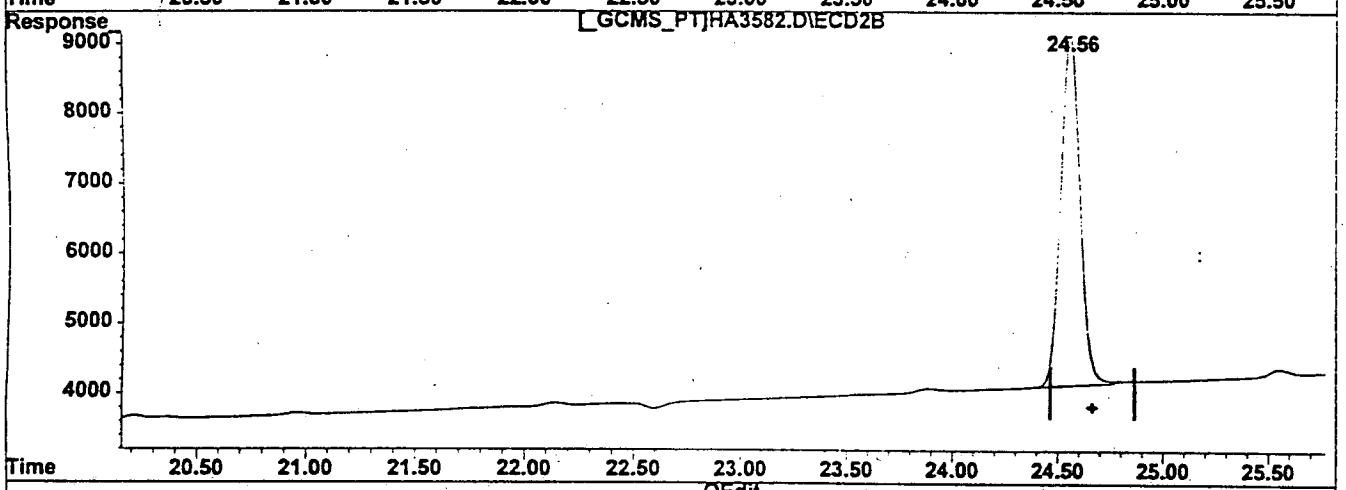
HA3582.D CLP_8.M Wed Feb 25 13:10:33 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3582.D\ECD1A.CH Vial: 12
Signal #2 : F:\1\DATA_H\HA3582.D\ECD2B.CH
Acq On : 25 Mar 98 8:45 Operator:
Sample : INDAM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 10:53 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(9) Endosulfan I (A)

21.35min 22.816ng/ml

response 310194

(9) Endosulfan I #2 (A)

24.56min 21.946ng/ml m

response 316111

(+) = Expected Retention Time

HA3582.D CLP_8.M Wed Feb 25 13:10:40 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	1199413	1111947	83.533	82.761	ns In ~~0.80~~ 0.08
Spiked Amount 40.000 Range 60 - 150 Recovery =					208.83%#	206.90%#	
22) SA Decachlorobiphen	39.48	41.54	3077945	3998399	159.394m	151.948m	0.160
Spiked Amount 40.000 Range 60 - 150 Recovery =					398.49%#	379.87%#	
Target Compounds							
2) A alpha-BHC	11.08	14.37	1474291	1390757	133.543m	135.447m	~~0.02~~ 0.01
3) MA gamma-BHC (Linda	13.01	16.48	1393766	1344566	122.168m	122.131m	
4) MA Heptachlor	14.38	17.66	1036824	1871170	89.757	95.569	
9) A Endosulfan I	21.35	24.56f	1362704	1436510	100.233	99.731m	
13) MA Dieldrin	23.20	26.46	2596950	2842966	199.881	201.527m	0.160
14) MA Endrin	25.06	27.61	2506071	2666781	218.701m	220.299	
16) A 4,4'-DDD	25.97	29.71	1701838	1802498	225.321	207.716m	
17) MA 4,4'-DDT	27.48	30.58	1907421	2036462	208.938m	202.992m	
20) A Methoxychlor	32.30	33.75	4678408	6508436	755.025m	725.946m	0.80
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

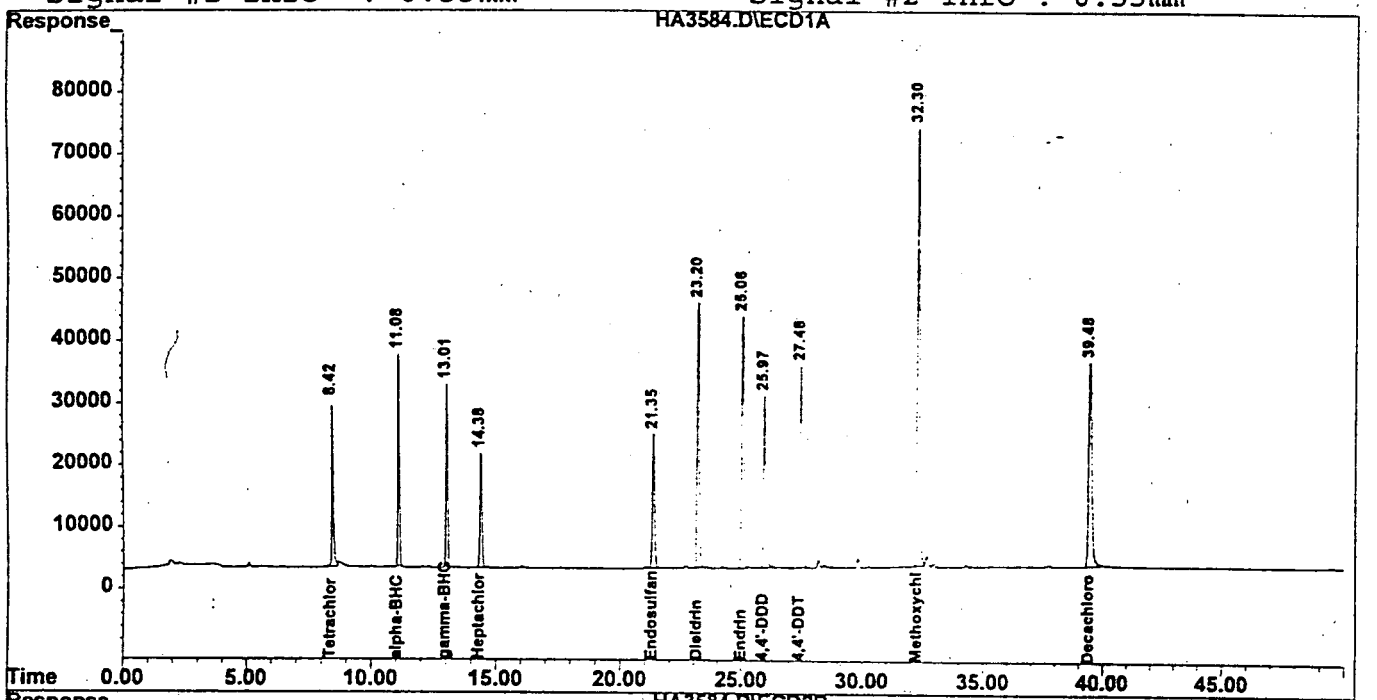
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

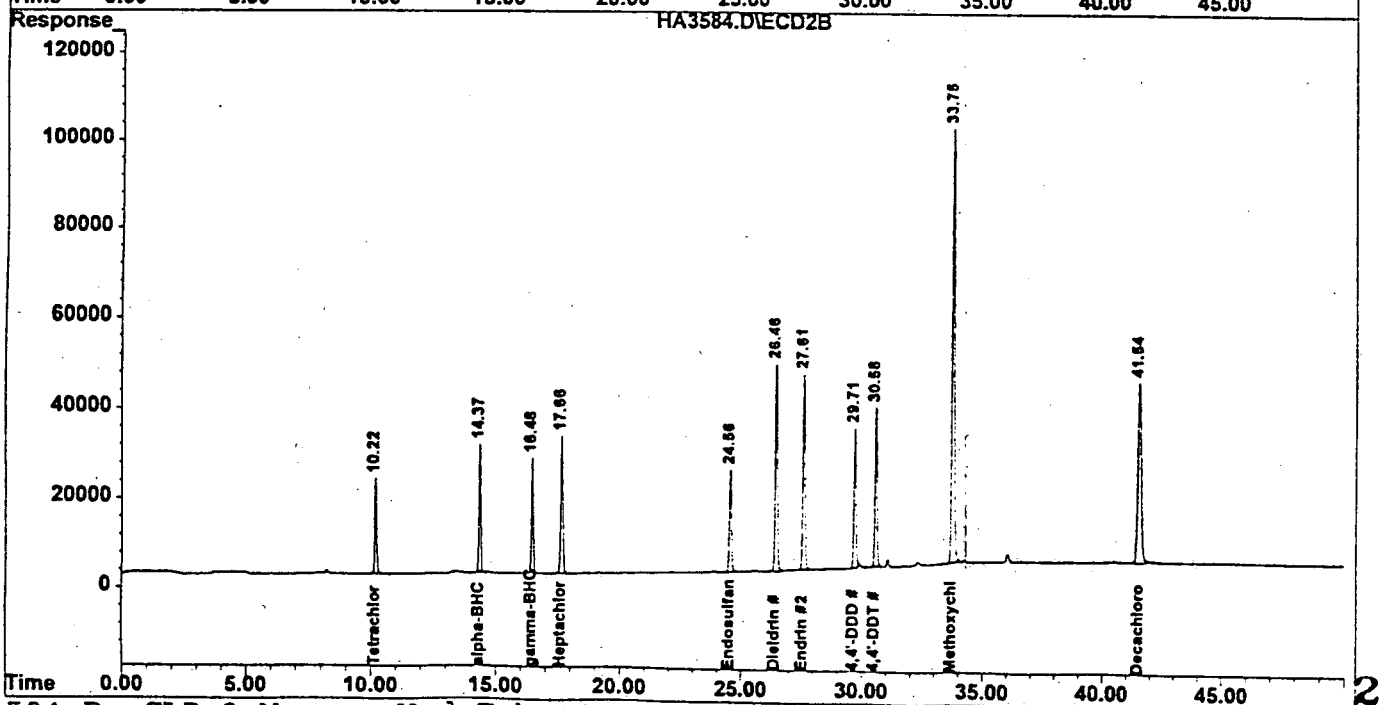
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

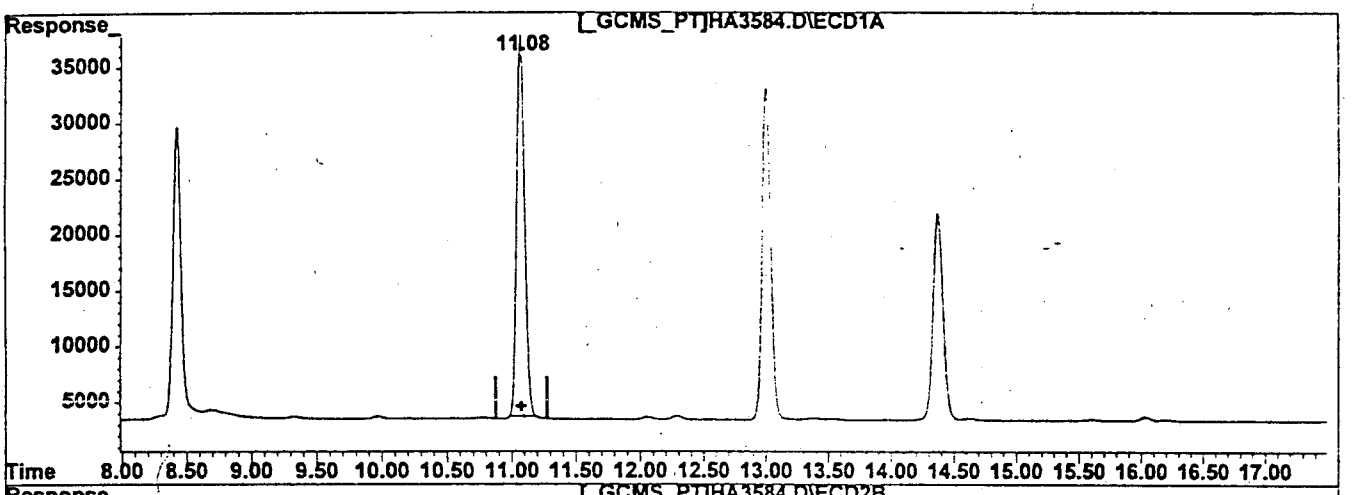


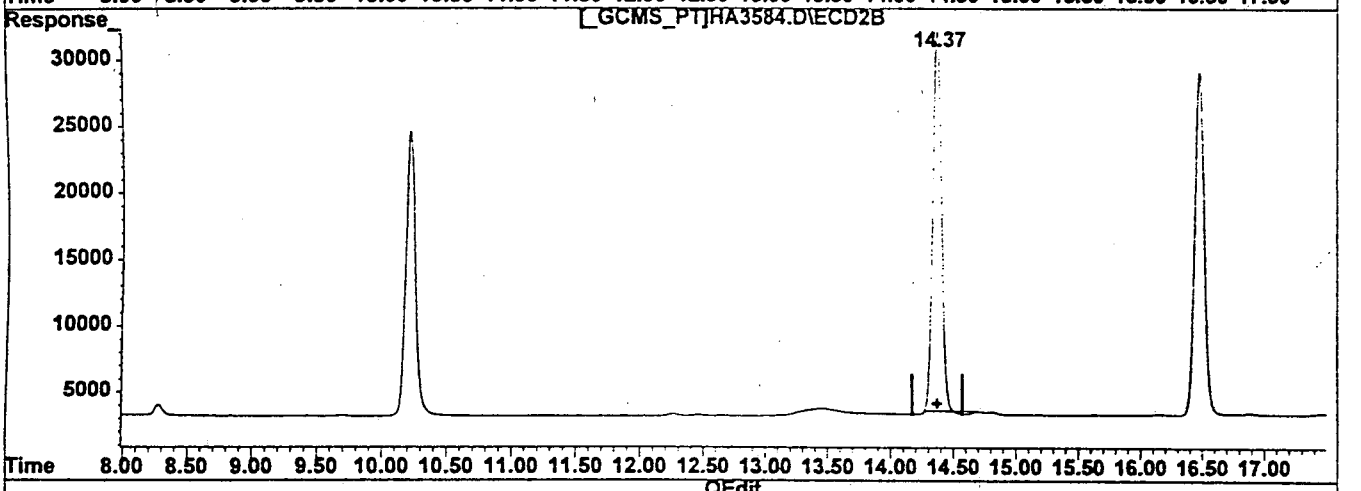


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:04 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(2) alpha-BHC (A)

11.08min 133.543ng/ml m

response 1474291

(2) alpha-BHC #2 (A)

14.37min 135.447ng/ml m

response 1390757

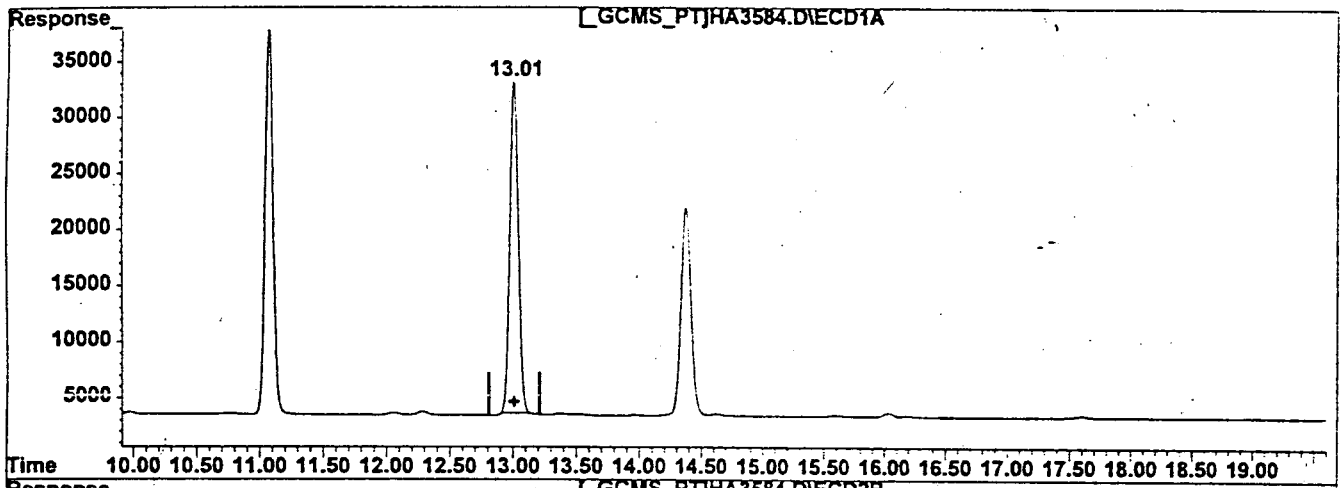
(+) = Expected Retention Time

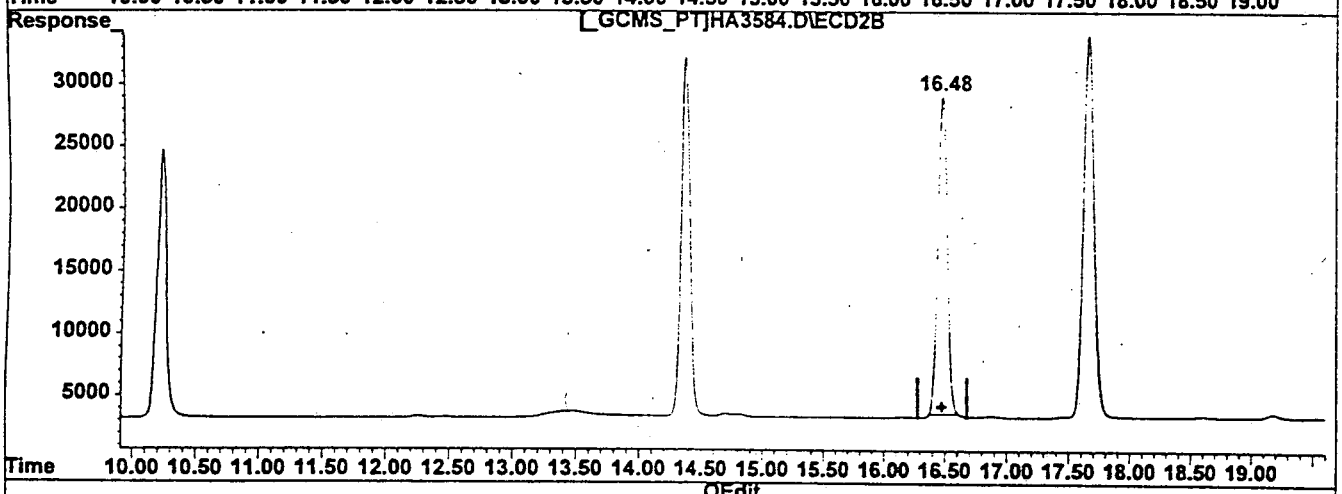
HA3584.D CLP_8.M Wed Feb 25 12:20:03 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(3) gamma-BHC (Lindane) (MA)

13.01min 122.168ng/ml m

response 1393766

(3) gamma-BHC (Lindane) #2 (MA)

16.48min 122.131ng/ml m

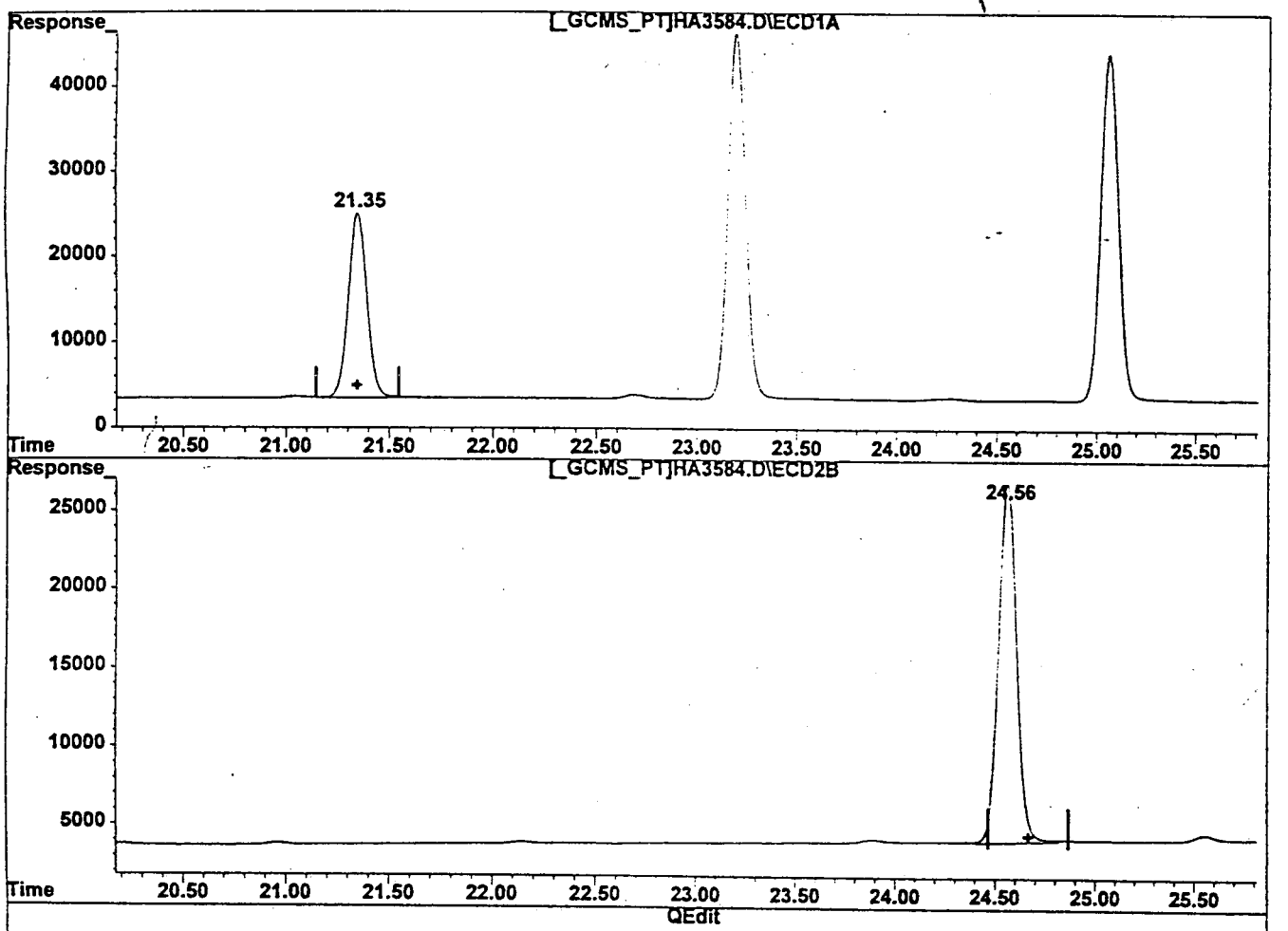
response 1344566

(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(9) Endosulfan I (A)

21.35min 100.233ng/ml

response 1362704

(9) Endosulfan I #2 (A)

24.56min 99.731ng/ml m

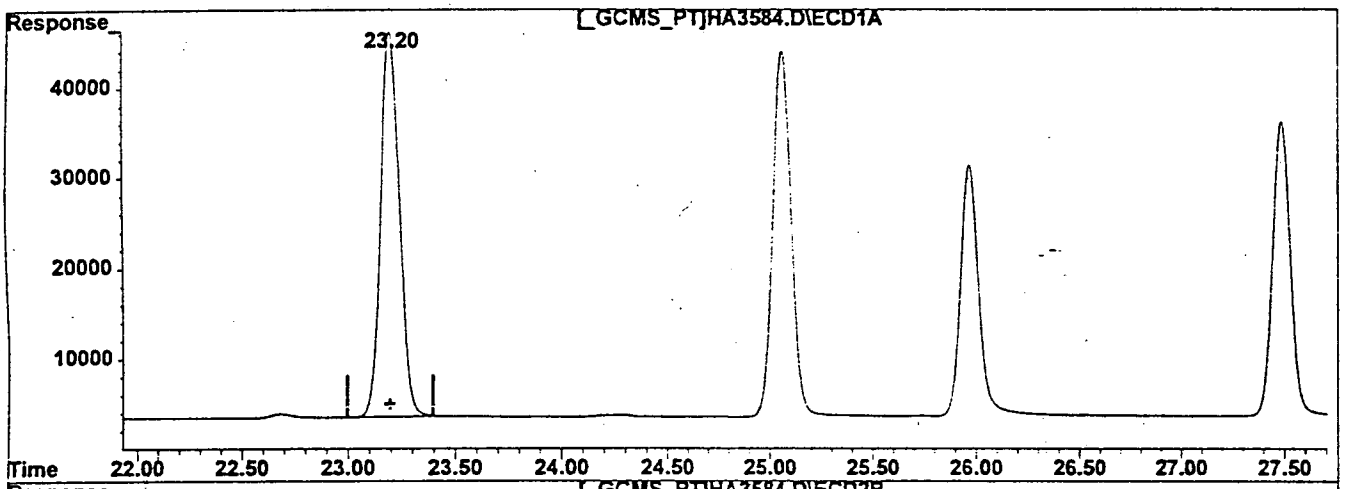
response 1436510

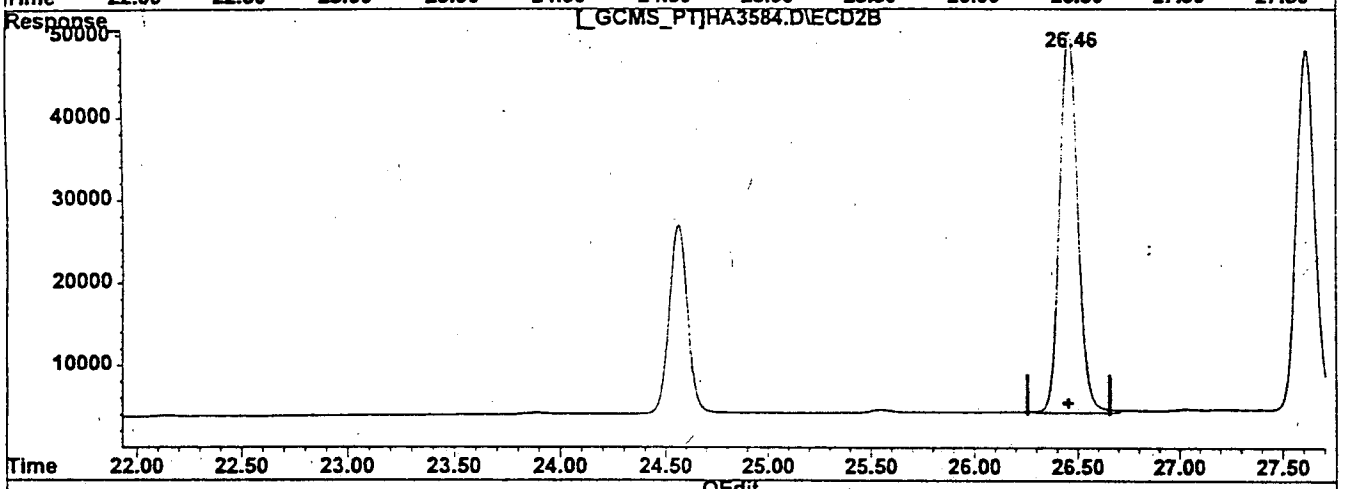
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(13) Dieldrin (MA)

23.20min 199.881ng/ml

response 2596950

(13) Dieldrin #2 (MA)

26.46min 201.527ng/ml m

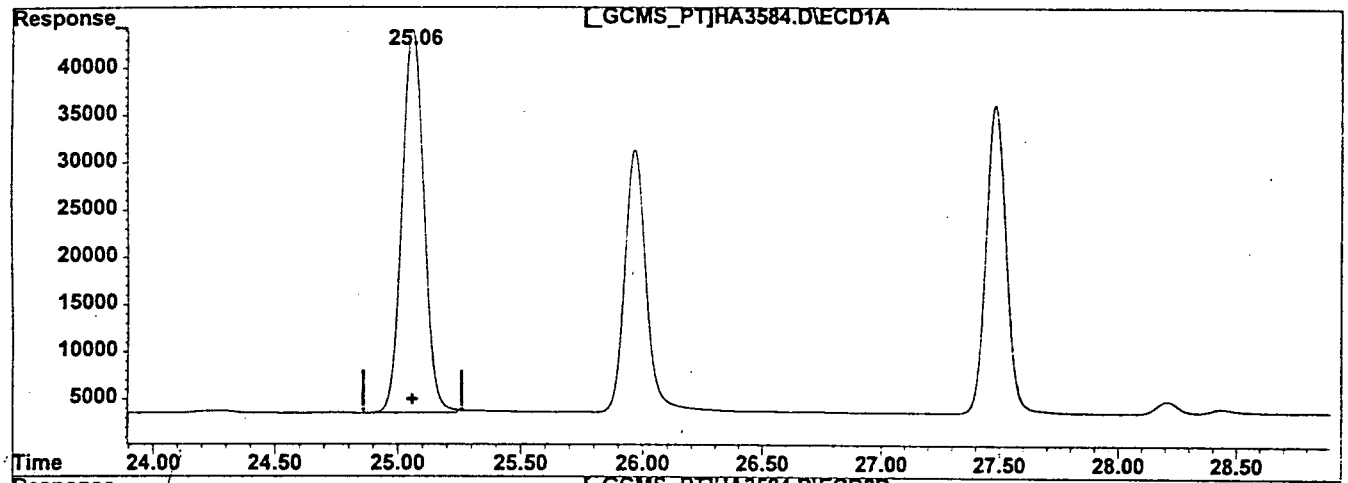
response 2842966

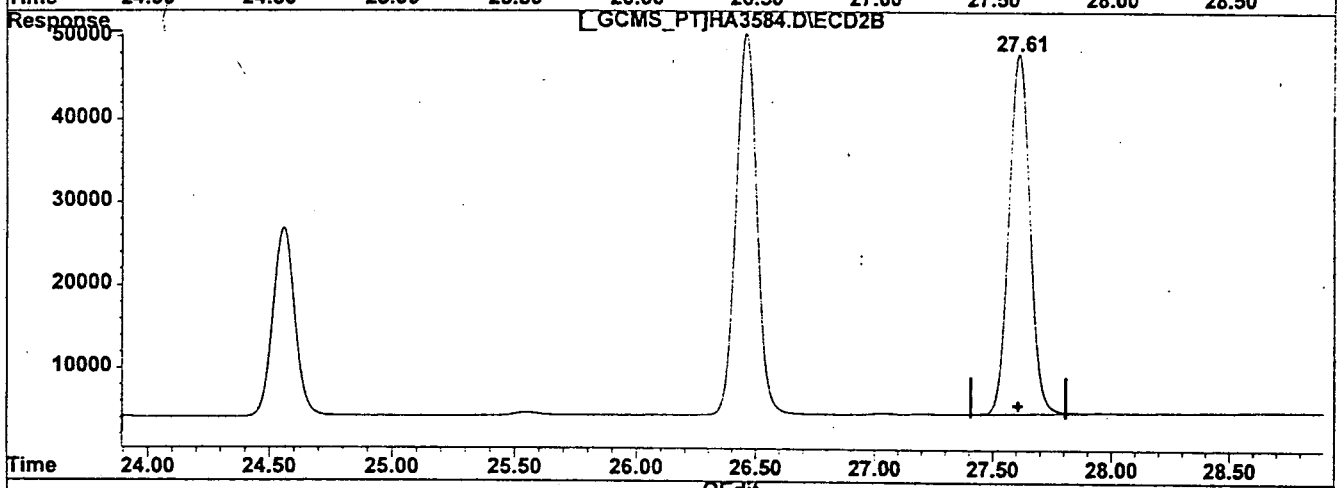
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(14) Endrin (MA)

25.06min 218.701ng/ml m

response 2506071

(14) Endrin #2 (MA)

27.61min 220.299ng/ml

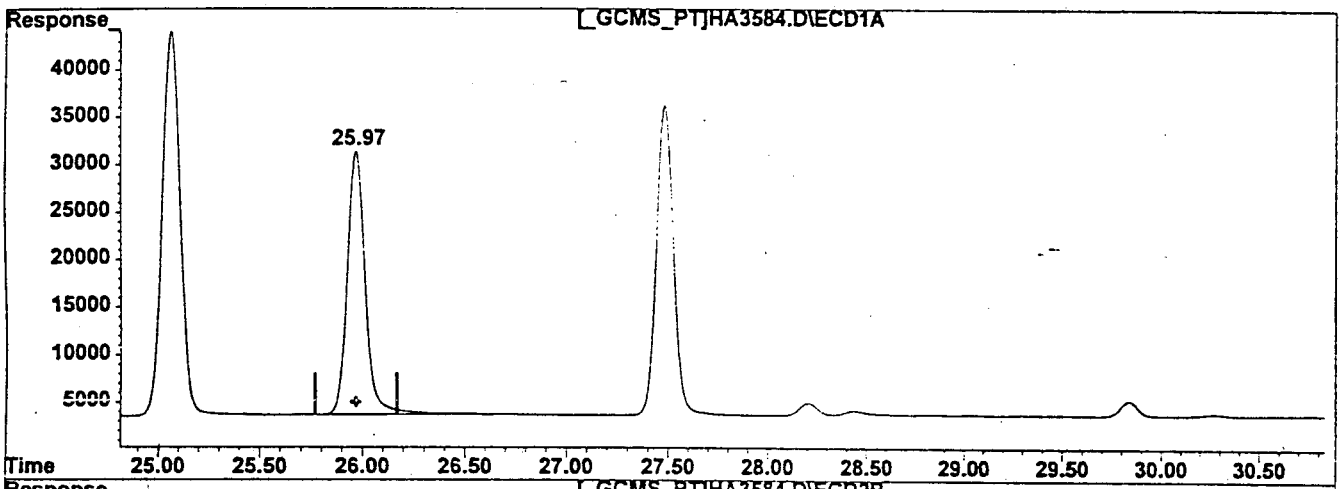
response 2666781

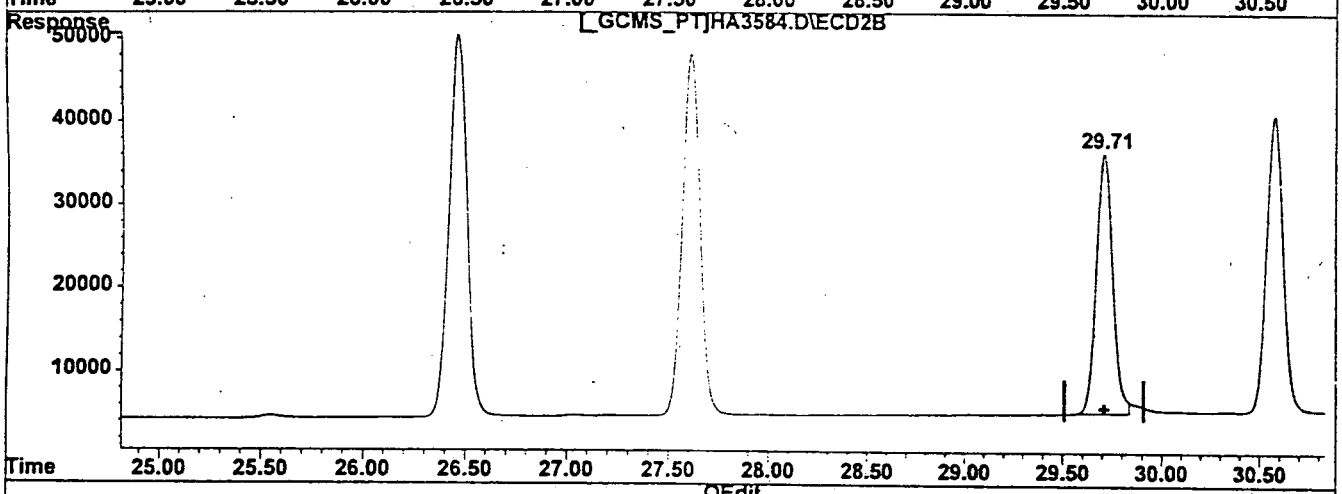
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(16) 4,4'-DDD (A)

25.97min 225.321ng/ml

response 1701838

(16) 4,4'-DDD #2 (A)

29.71min 207.716ng/ml m

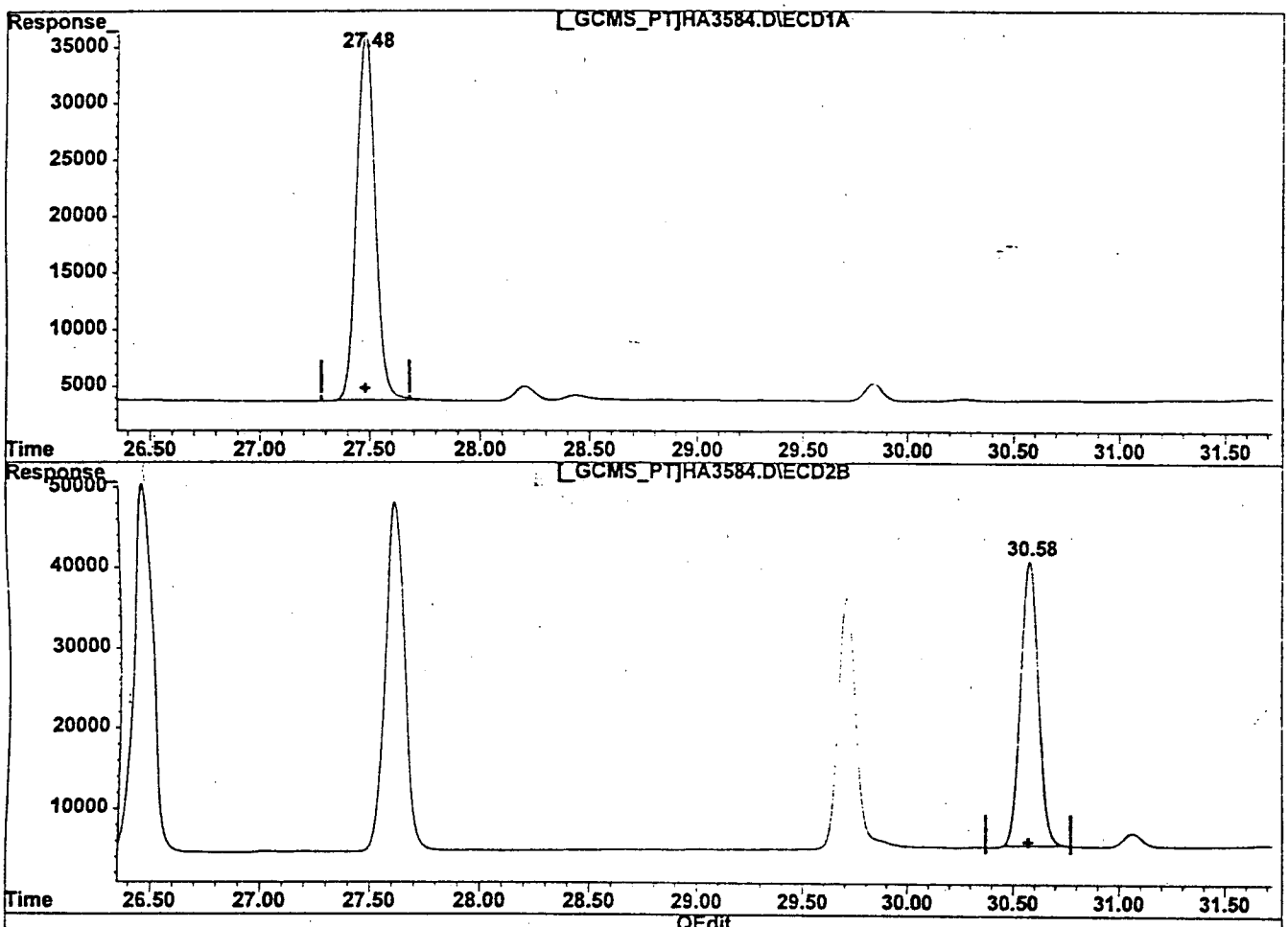
response 1802498

(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(17) 4,4'-DDT (MA)

27.48min 208.938ng/ml m

response 1907421

(17) 4,4'-DDT #2 (MA)

30.58min 202.992ng/ml m

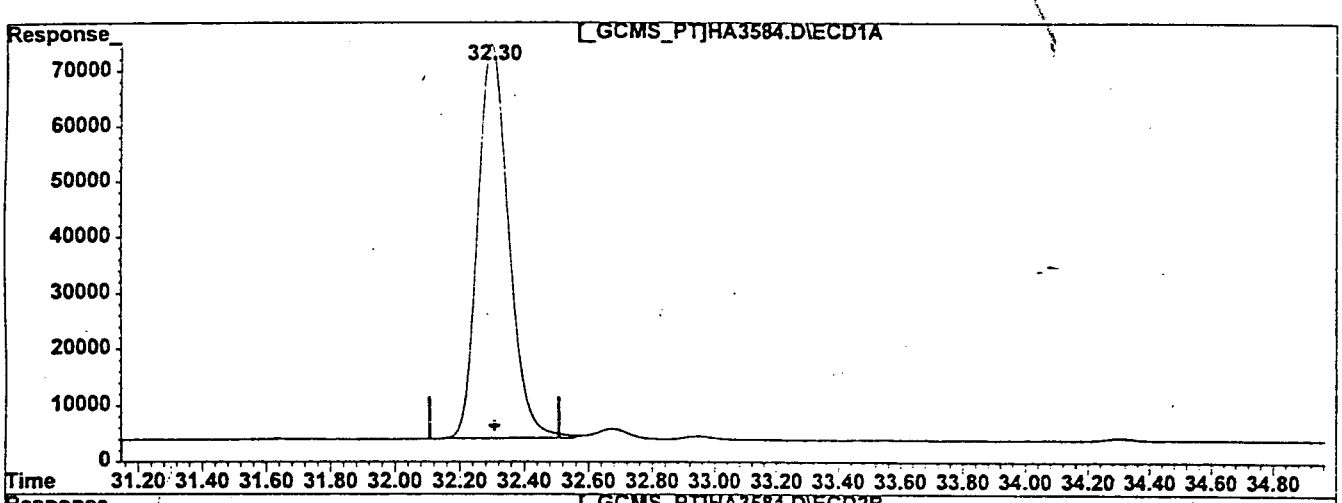
response 2036462

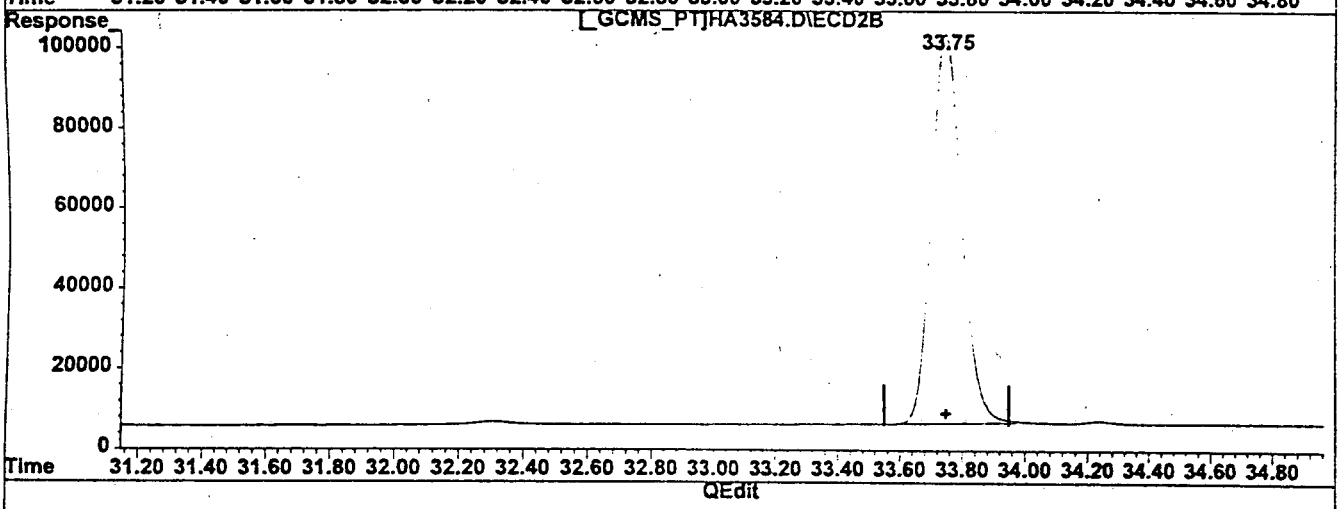
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(20) Methoxychlor (A)

32.30min 755.025ng/ml m

response 4678408

(20) Methoxychlor #2 (A)

33.75min 725.946ng/ml m

response 6508436

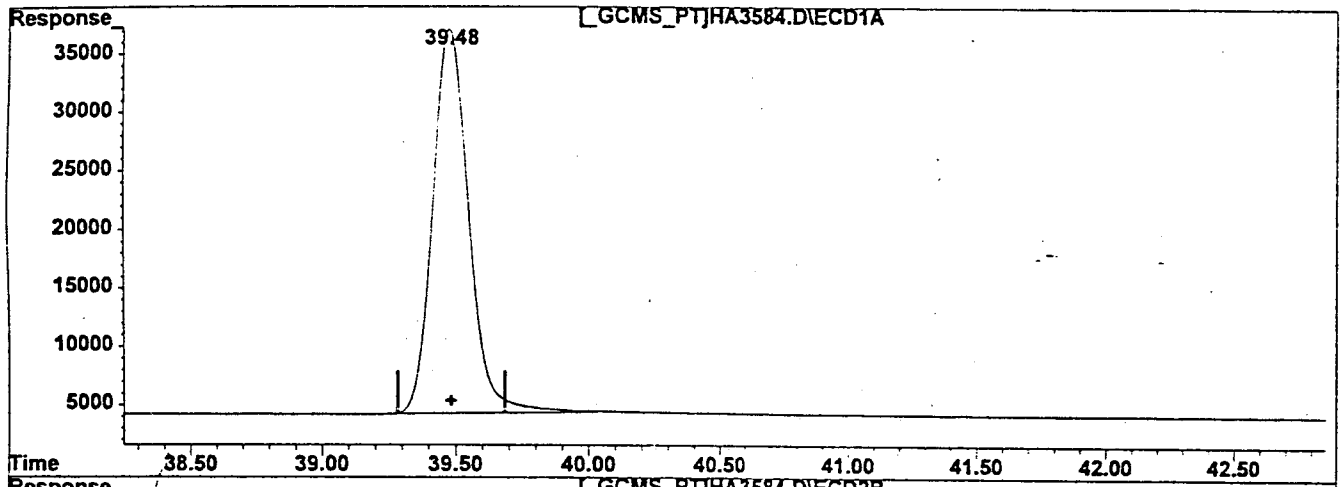
(+) = Expected Retention Time

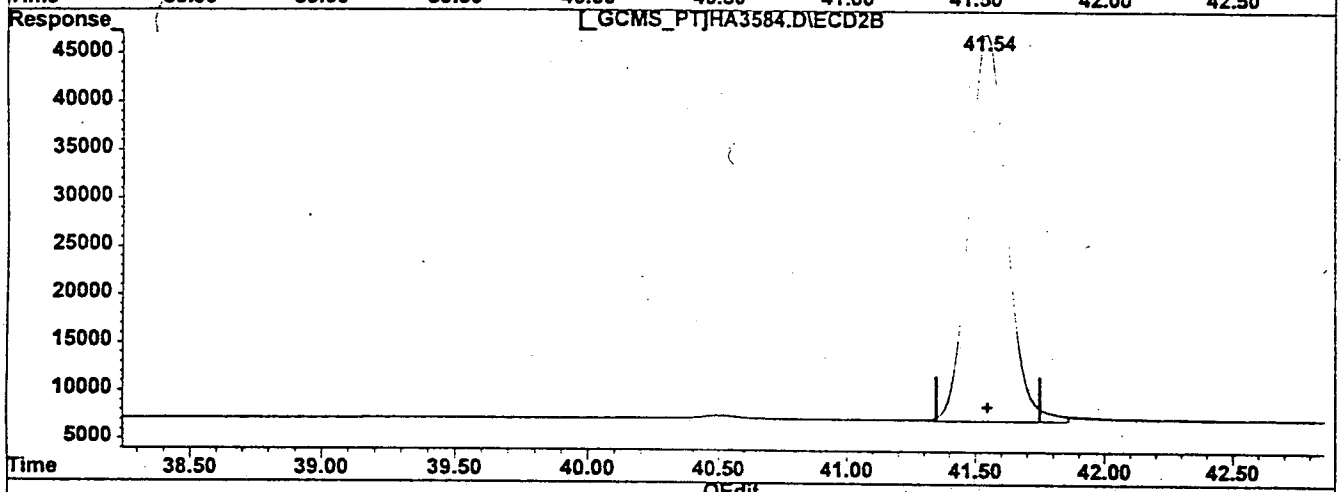
HA3584.D CLP_8.M Wed Feb 25 13:14:22 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3584.D\ECD1A.CH Vial: 14
Signal #2 : F:\1\DATA_H\HA3584.D\ECD2B.CH
Acq On : 25 Mar 98 10:33 Operator:
Sample : INDAH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:21 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.48min 159.394ng/ml m

response 3077945

(22) Decachlorobiphenyl #2 (SA)

41.54min 151.948ng/ml m

response 3998399

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.43	10.23	65327	59177	4.550m	4.404	NS Int5 0.005
Spiked Amount 40.000 Range 60 - 150 Recovery =					11.38%#	11.01%#	
2) SA Decachlorobiphen	39.49	41.55	230015	263010	11.912	9.995	0.01
Spiked Amount 40.000 Range 60 - 150 Recovery =					29.78%#	24.99%#	
Target Compounds							
5) MB Aldrin	16.05	19.19	51690	54133	4.312	4.456	0.005
6) B beta-BHC	14.24	20.60	54266	27719	8.452m	4.639m#	
7) B delta-BHC	15.55	21.95	37996	32987	4.792	4.335m	
8) B Heptachlor epoxi	19.37	23.03	69966	68797	5.208	4.693m	
10) B gamma-Chlordane	20.41	24.82	74776	75014	5.247	4.673m	
11) B alpha-Chlordane	21.24	25.16	75388	68402	5.030	4.351	
12) B 4,4'-DDE	22.69	25.56	106243	97771	9.384	8.597	0.01
15) B Endosulfan II	26.52	30.12	110837	114265	9.797	9.222m	
18) B Endrin aldehyde	28.22	32.31	106330	94502	10.815	9.047m	
19) B Endosulfan Sulfa	29.09	33.97	86732	93028	9.937	9.504m	
21) B Endrin ketone	32.69	36.04	101243	101561	9.370	8.607m	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

7/23/1518

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

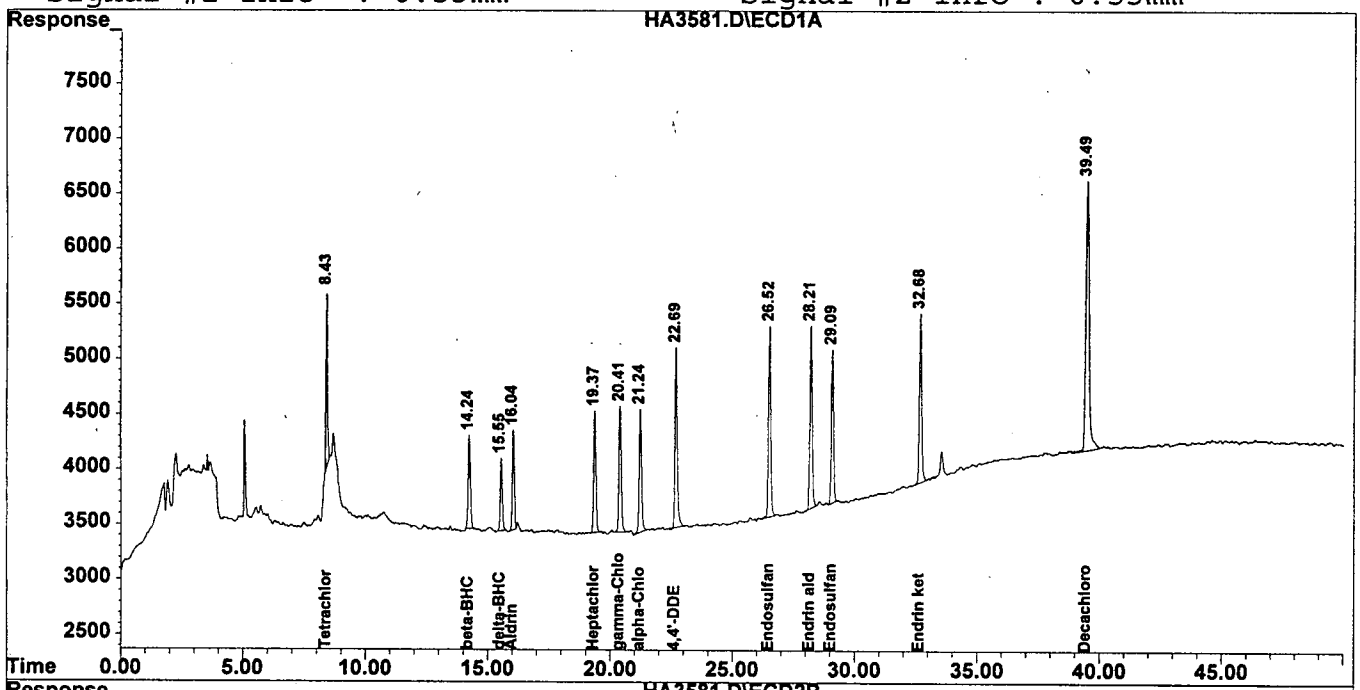
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

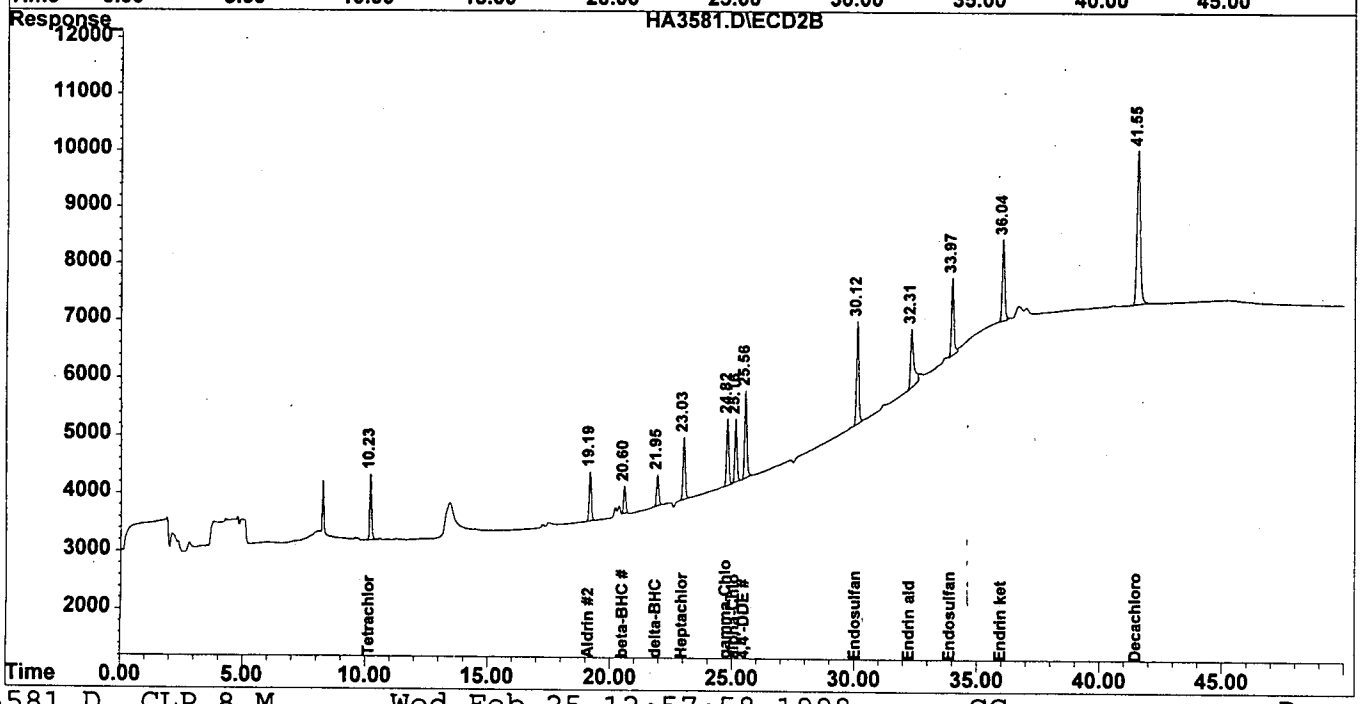
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

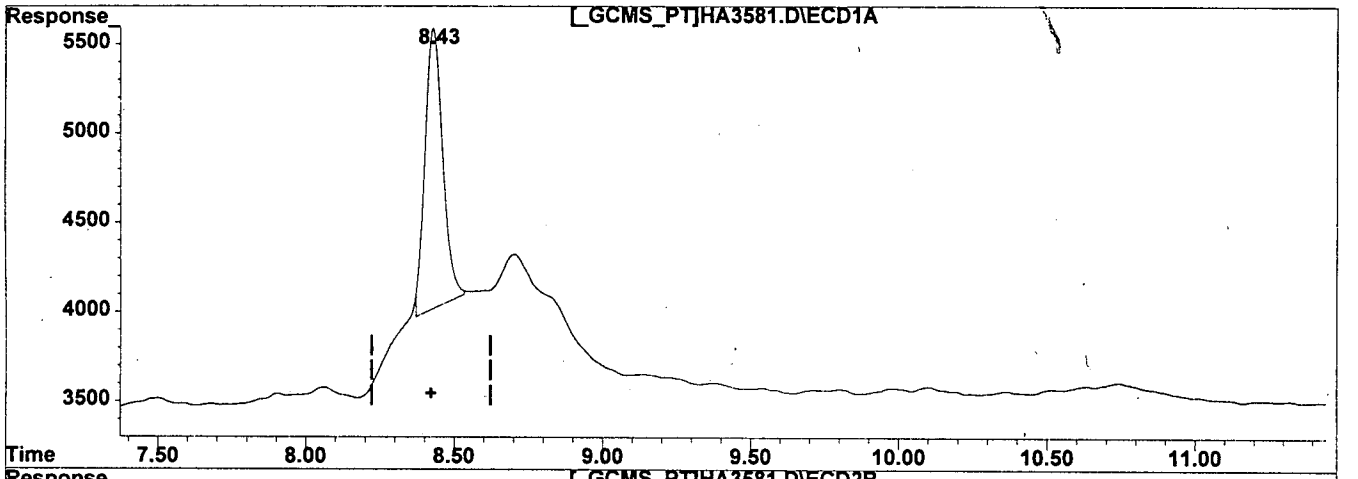


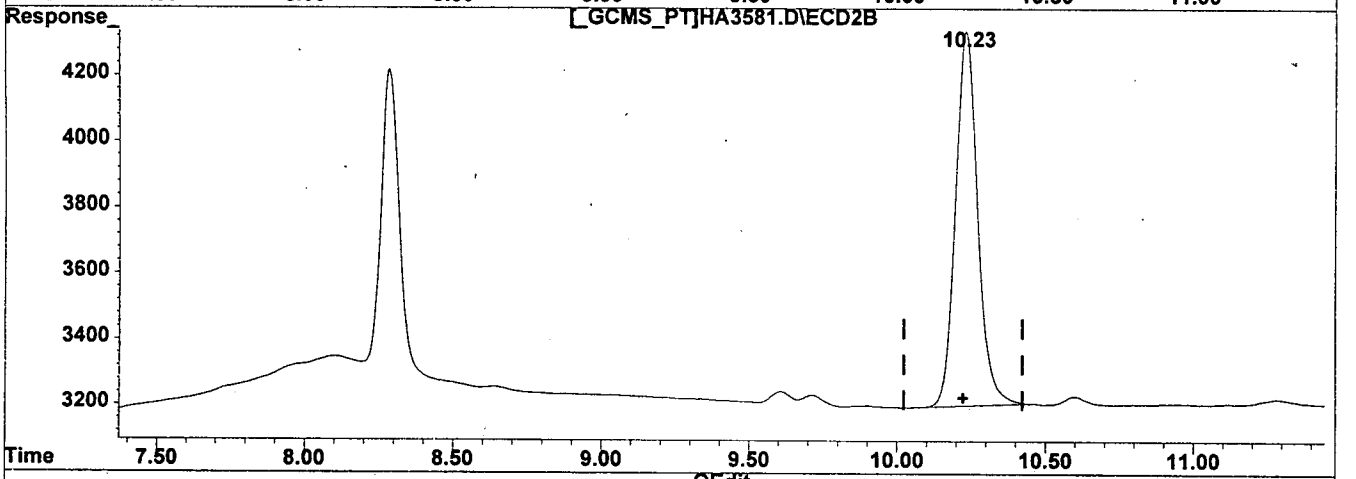


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 4.550ng/ml m

response 65327

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 4.404ng/ml

response 59177

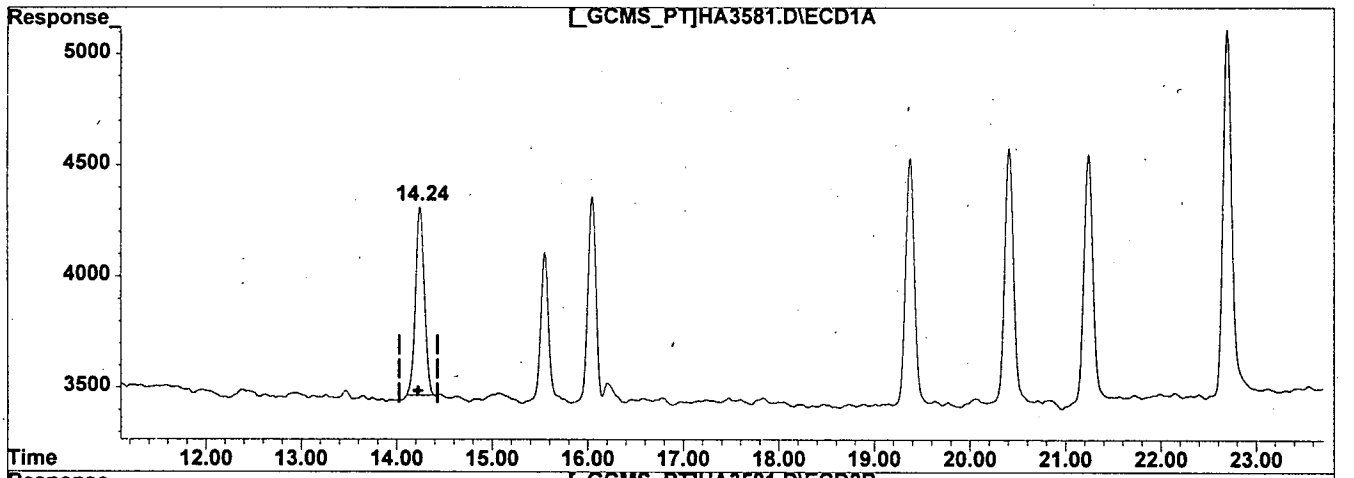
(+) = Expected Retention Time

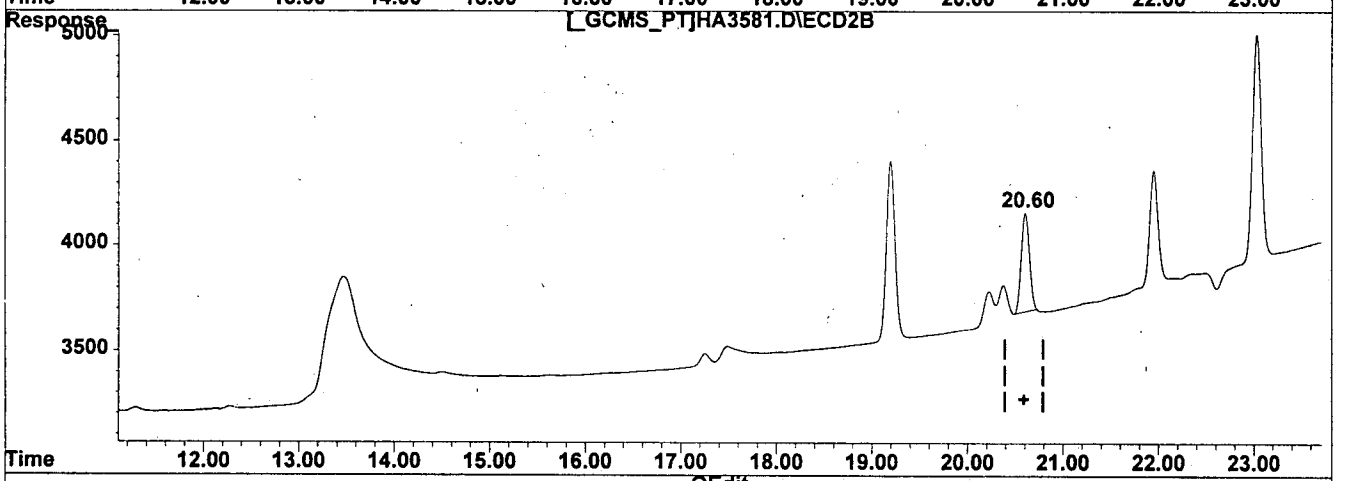
HA3581.D CLP_8.M Wed Feb 25 13:07:14 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(6) beta-BHC (B)

14.24min 8.452ng/ml m

response 54266

(6) beta-BHC #2 (B)

20.60min 4.639ng/ml m

response 27719

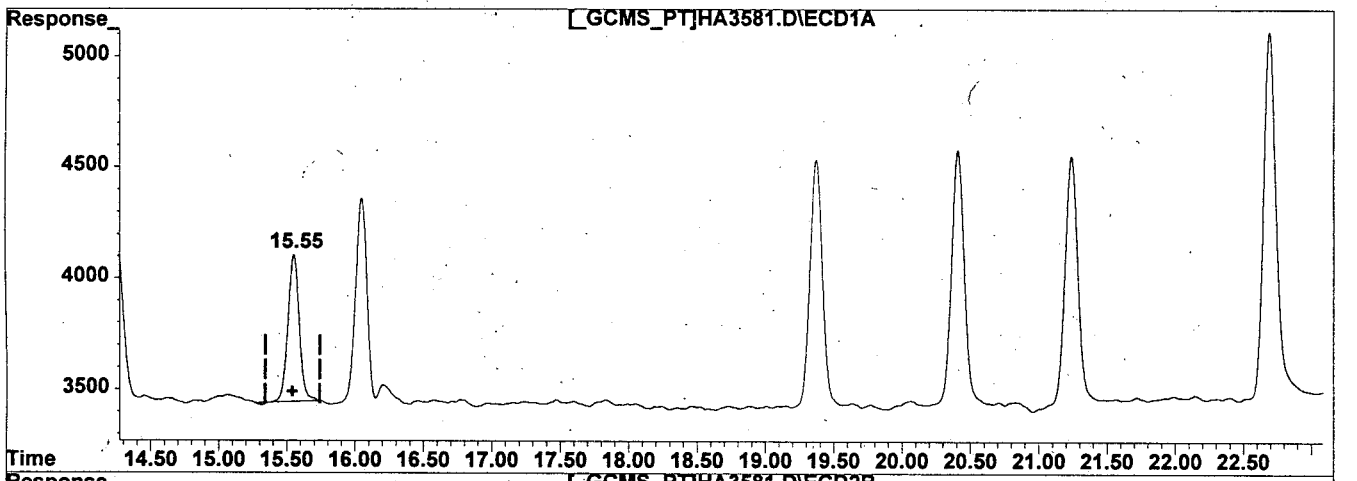
(+) = Expected Retention Time

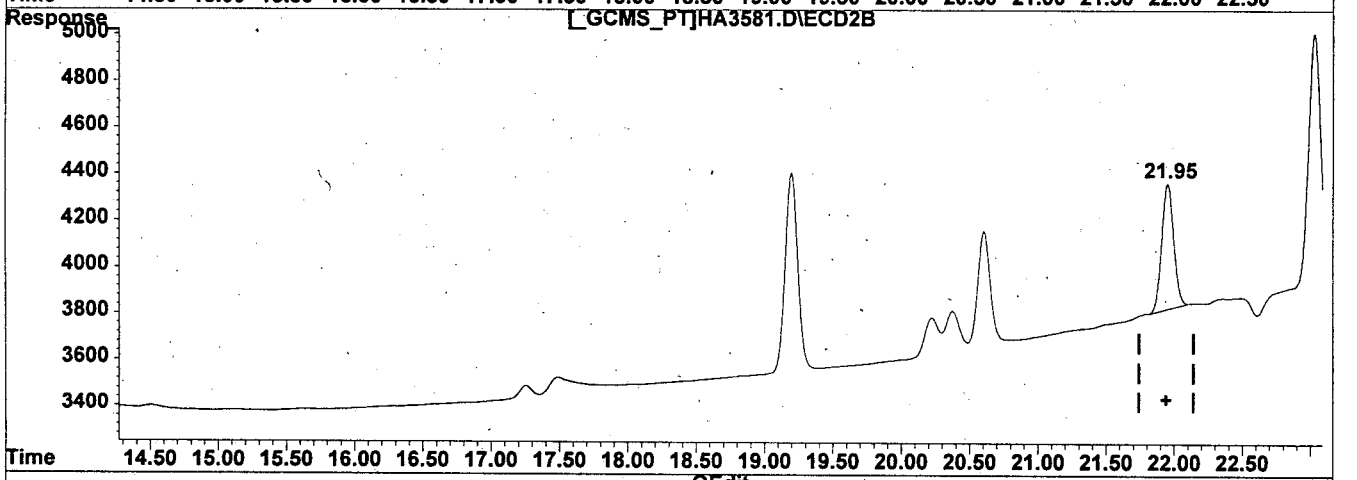
HA3581.D CLP_8.M Wed Feb 25 13:07:28 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(7) delta-BHC (B)

15.55min 4.792ng/ml

response 37996

(7) delta-BHC #2 (B)

21.95min 4.335ng/ml m

response 32987

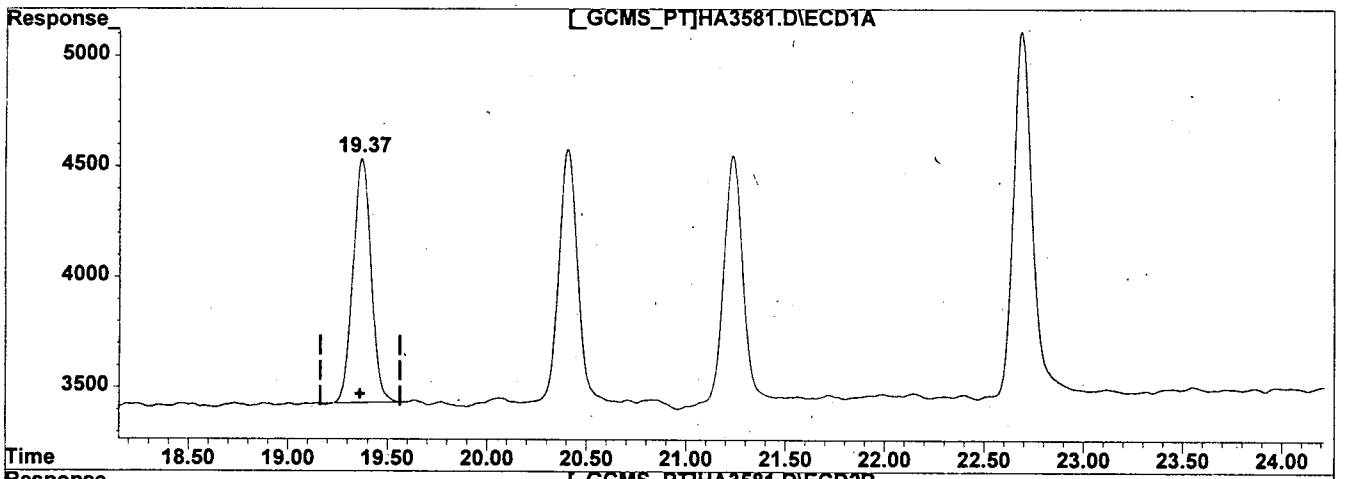
(+) = Expected Retention Time

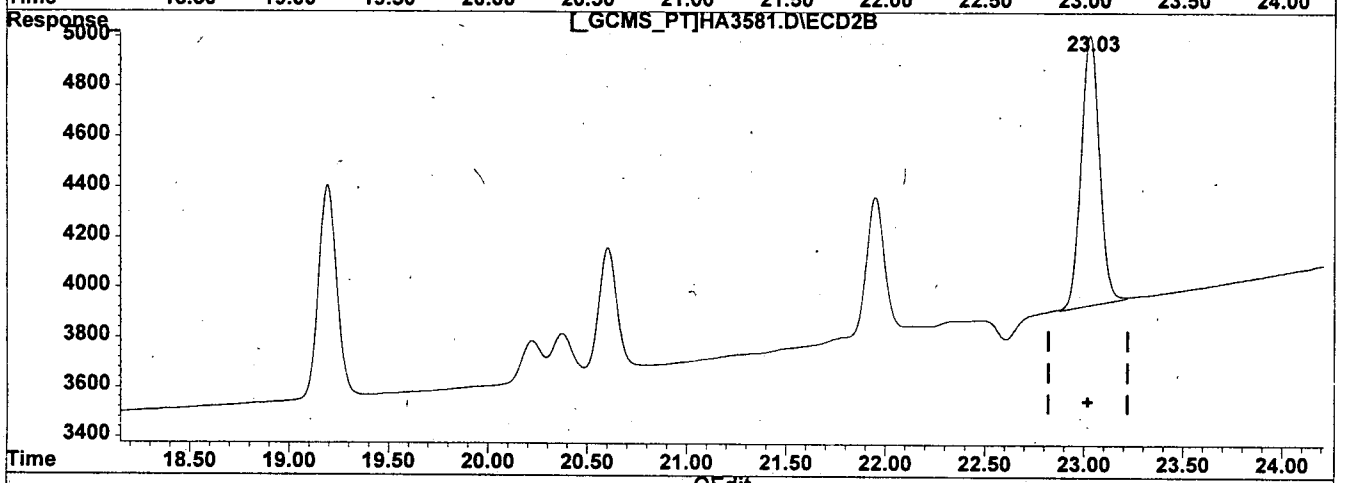
HA3581.D CLP_8.M Wed Feb 25 13:07:37 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(8) Heptachlor epoxide (B)

19.37min 5.208ng/ml

response 69966

(8) Heptachlor epoxide #2 (B)

23.03min 4.693ng/ml m

response 68797

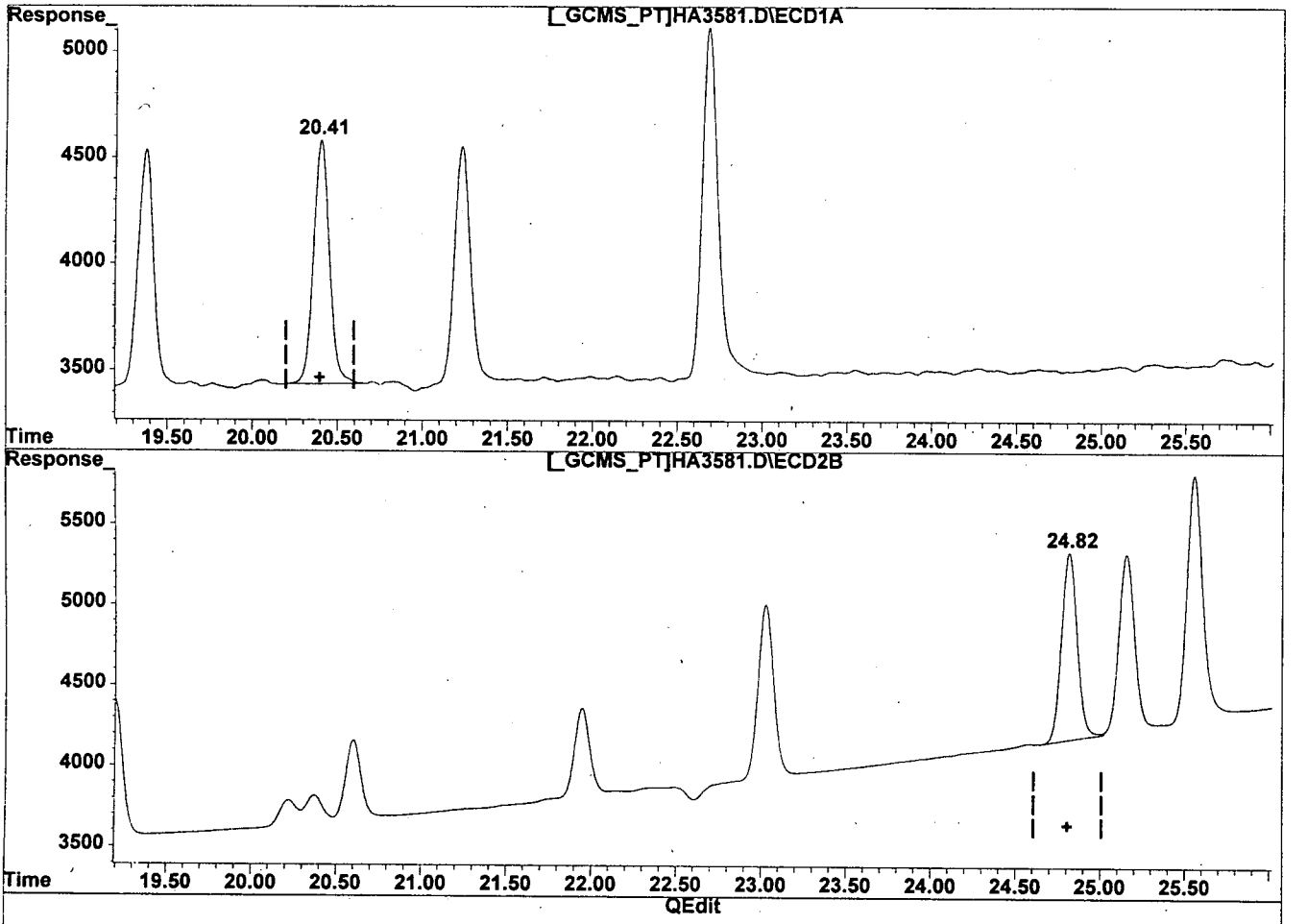
(+) = Expected Retention Time

HA3581.D CLP_8.M Wed Feb 25 13:07:44 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(10) gamma-Chlordane (B)

20.41min 5.247ng/ml

response 74776

(10) gamma-Chlordane #2 (B)

24.82min 4.673ng/ml m

response 75014

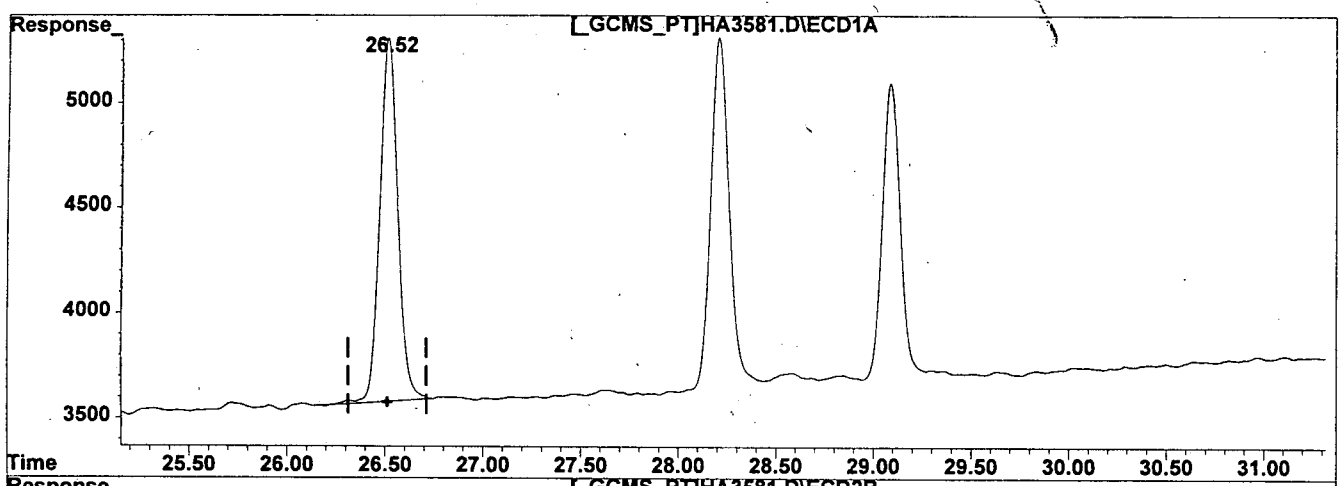
(+) = Expected Retention Time

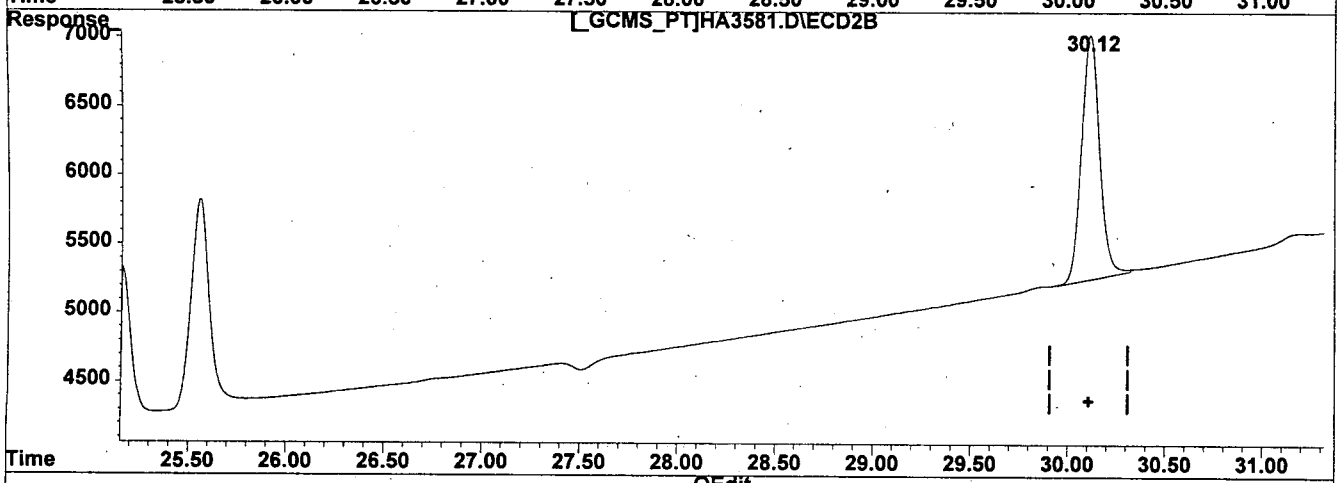
HA3581.D CLP_8.M Wed Feb 25 13:07:51 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration.





QEdit

(15) Endosulfan II (B)

26.52min 9.797ng/ml

response 110837

(15) Endosulfan II #2 (B)

30.12min 9.222ng/ml m

response 114265

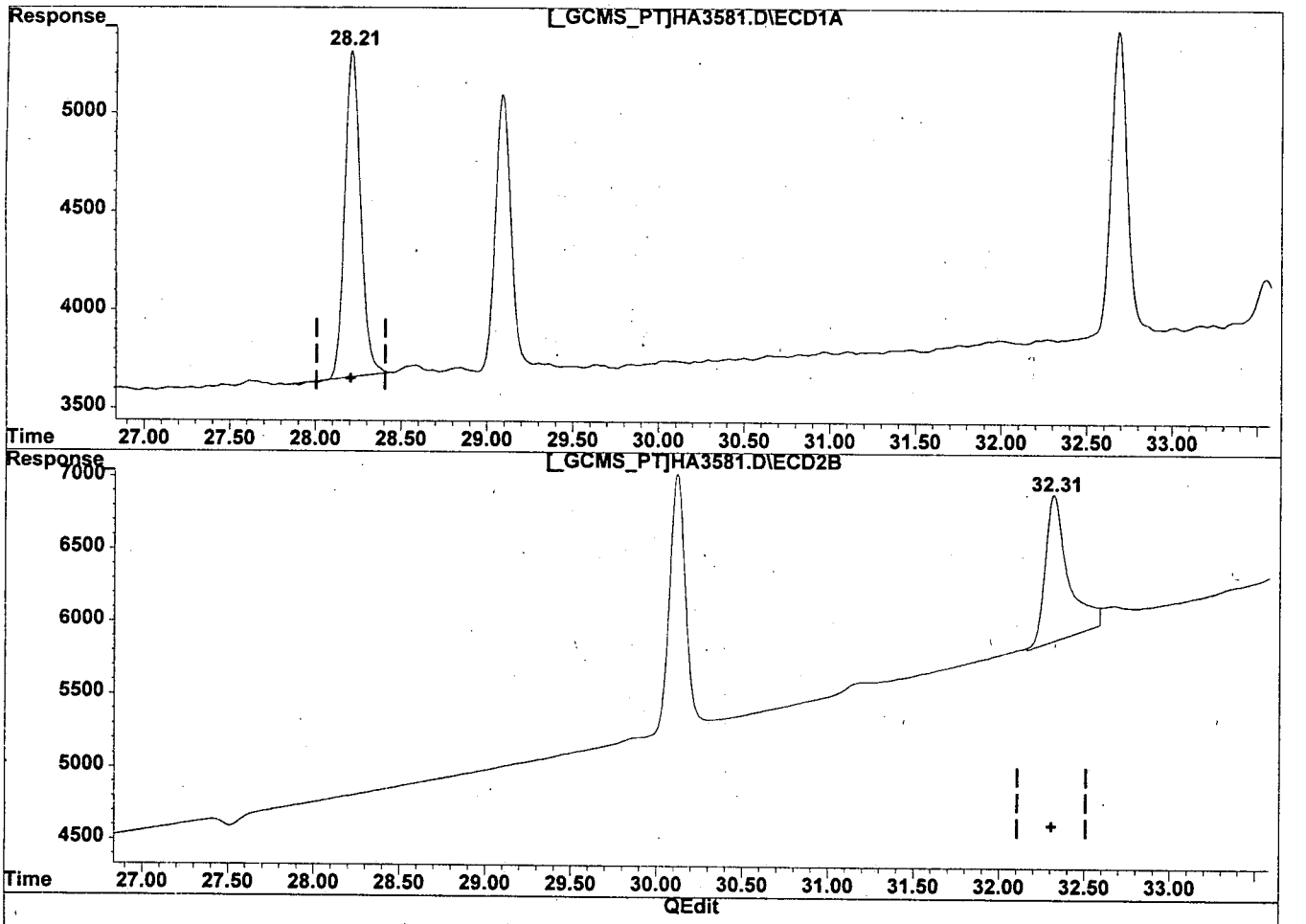
(+) = Expected Retention Time

HA3581.D CLP_8.M Wed Feb 25 13:08:13 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(18) Endrin aldehyde (B)

28.22min 10.815ng/ml

response 106330

(18) Endrin aldehyde #2 (B)

32.31min 9.047ng/ml m

response 94502

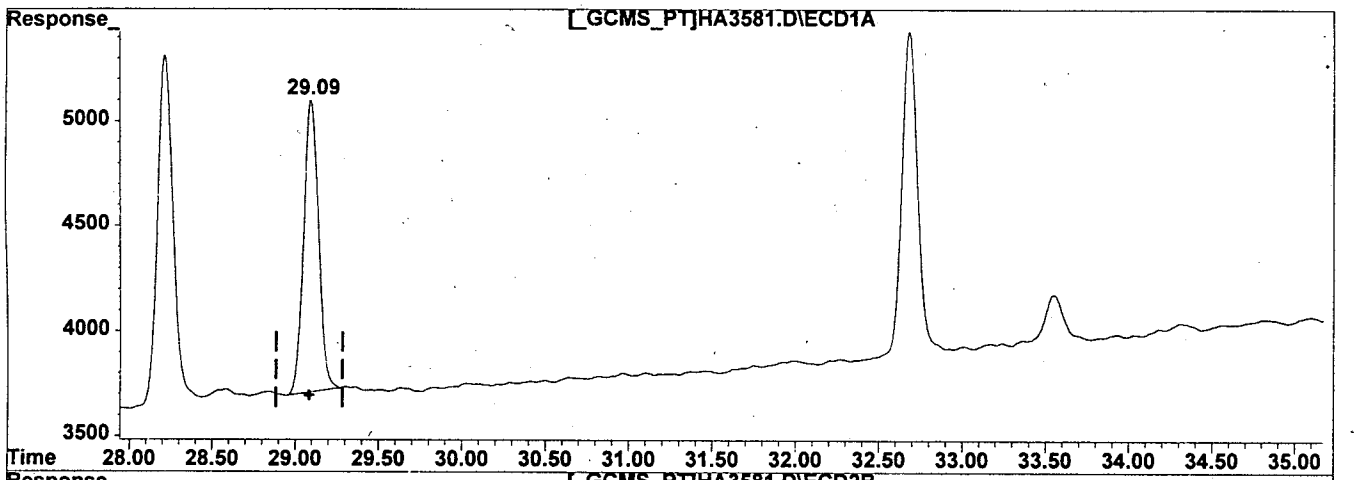
(+) = Expected Retention Time

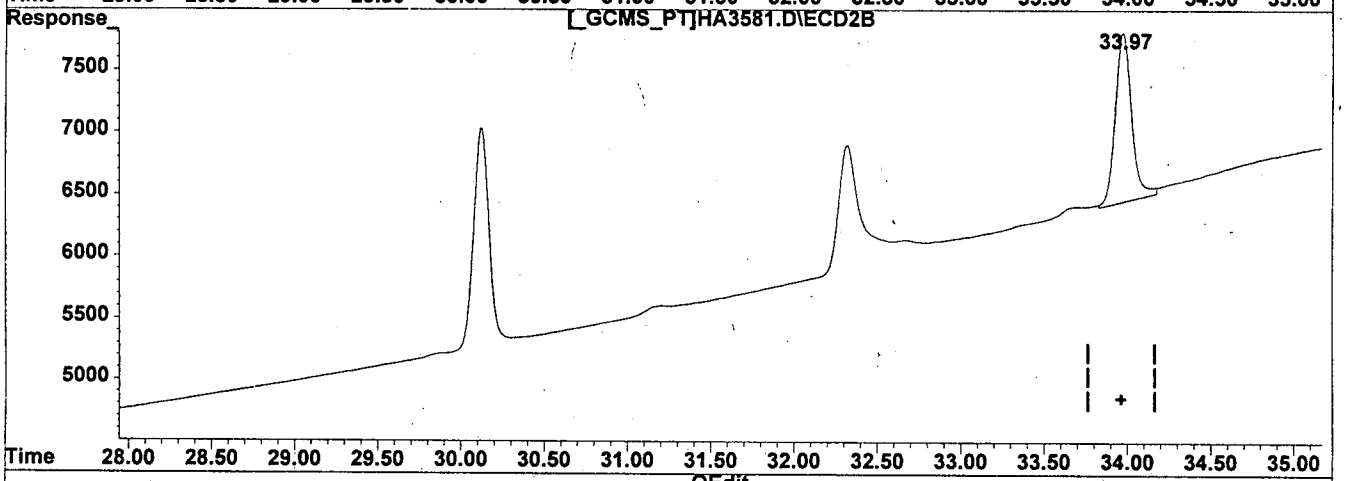
HA3581.D CLP_8.M Wed Feb 25 13:08:19 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(19) Endosulfan Sulfate (B)

29.09min 9.937ng/ml

response 86732

(19) Endosulfan Sulfate #2 (B)

33.97min 9.504ng/ml m

response 93028

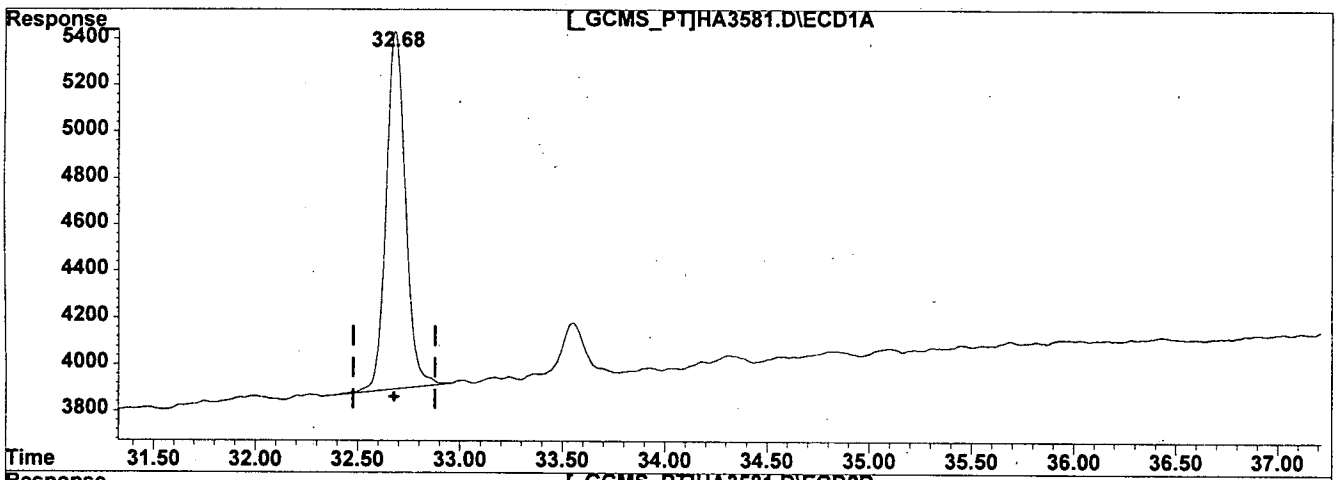
(+) = Expected Retention Time

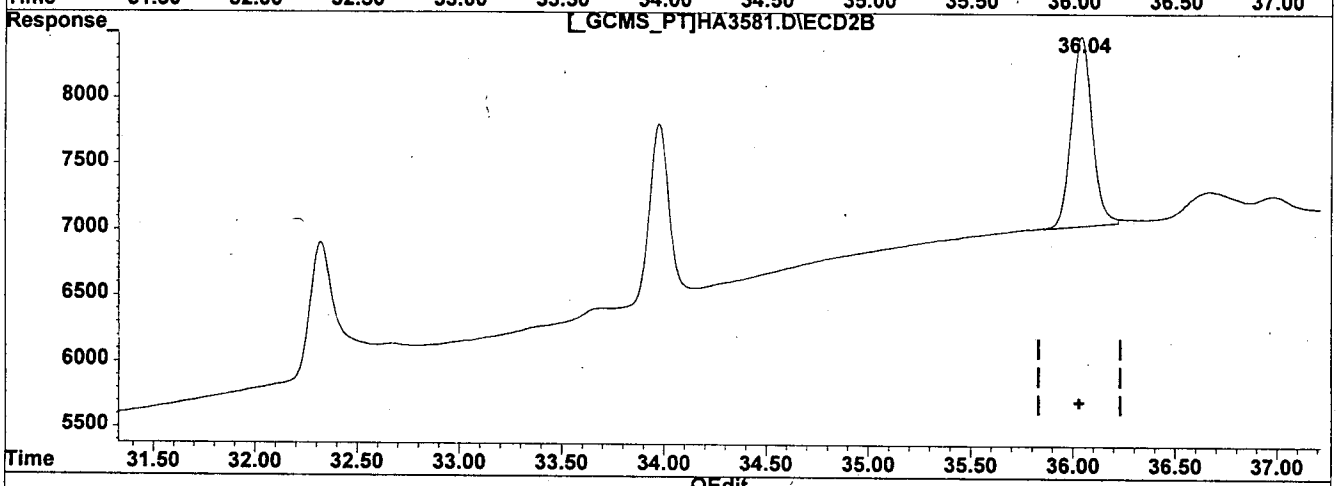
HA3581.D CLP_8.M Wed Feb 25 13:08:25 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3581.D\ECD1A.CH Vial: 11
Signal #2 : F:\1\DATA_H\HA3581.D\ECD2B.CH
Acq On : 25 Mar 98 7:52 Operator:
Sample : INDBL01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 12:38 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(21) Endrin ketone (B)

32.69min 9.370ng/ml

response 101243

(21) Endrin ketone #2 (B)

36.04min 8.607ng/ml m

response 101561

(+) = Expected Retention Time

HA3581.D CLP_8.M Wed Feb 25 13:08:33 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	272654	245784	18.989m	18.293	ns Inj 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					47.47%#	45.73%#	
22) SA Decachlorobiphen	39.48	41.55	855554	1039714	44.306m	39.511	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					110.77%	98.78%	
Target Compounds							
5) MB Aldrin	16.04	19.18	224137	222214	18.700	18.290	0.02
6) B beta-BHC	14.23	20.59	158066	127794	24.618	21.389	
7) B delta-BHC	15.54	21.94	162182	143060	20.452	18.798m	
8) B Heptachlor epoxi	19.37	23.02	272831	273302	20.307	18.641m	
10) B gamma-Chlordane	20.40	24.81	287357	294111	20.163	18.322	
11) B alpha-Chlordane	21.23	25.15	284519	281380	18.983	17.897	
12) B 4,4'-DDE	22.69	25.55	438454	414068	38.725	36.408	0.04
15) B Endosulfan II	26.52	30.11	458405	462590	40.519	37.335	
18) B Endrin aldehyde	28.21	32.31	429294	430883	43.665m	41.250m	
19) B Endosulfan Sulfa	29.09	33.96	368949	359740	42.269	36.752m	
21) B Endrin ketone	32.68	36.03	435472	440019	40.304m	37.290m	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

300

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

301

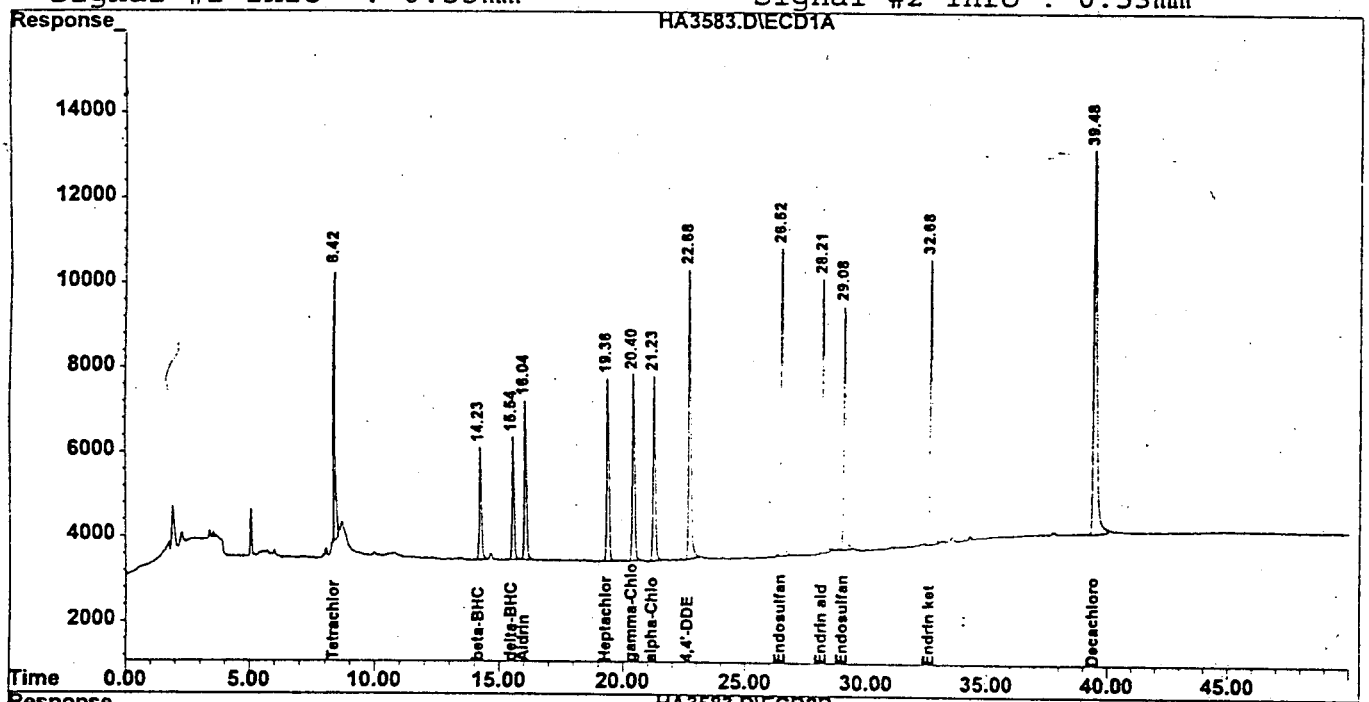
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

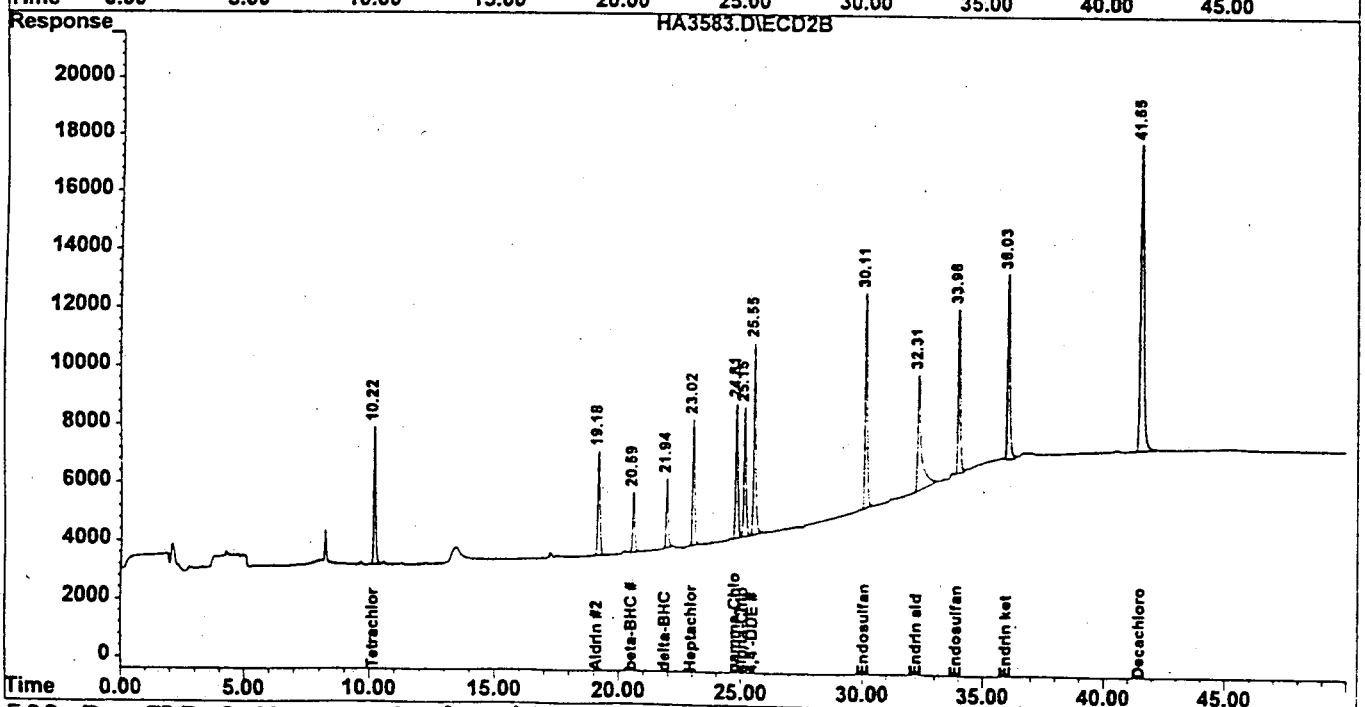
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



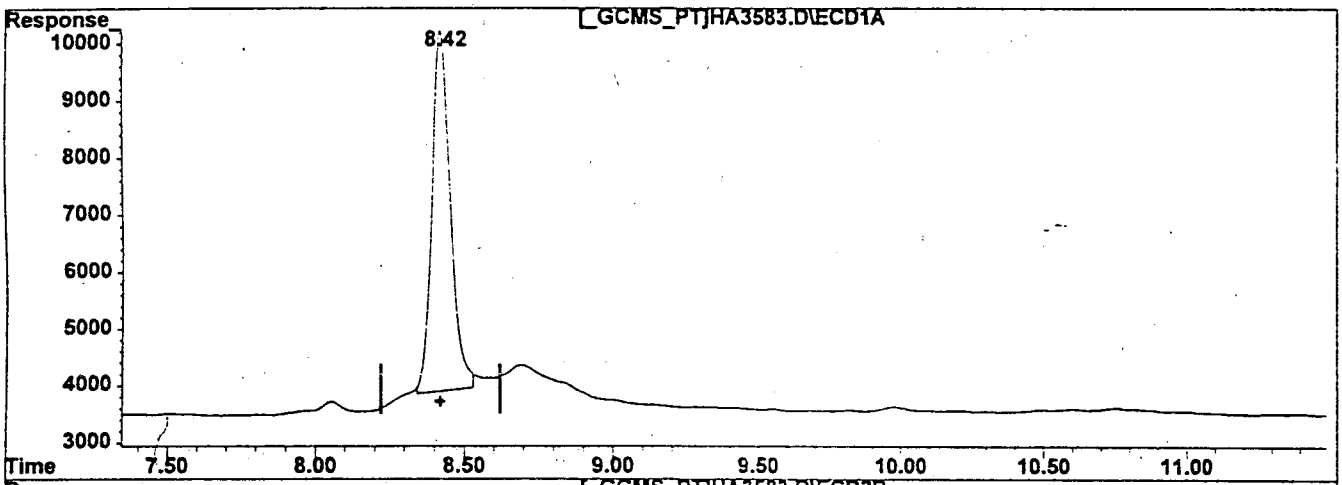


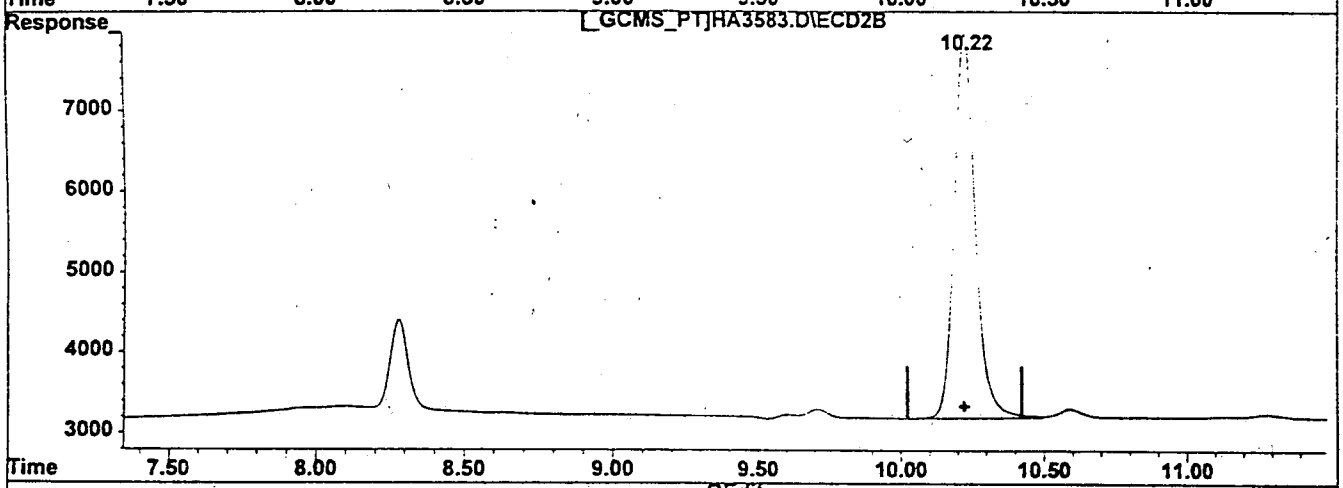
302

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.42min 18.989ng/ml m

response 272654

(1) Tetrachloro-m-xylene #2 (SA)

10.22min 18.293ng/ml

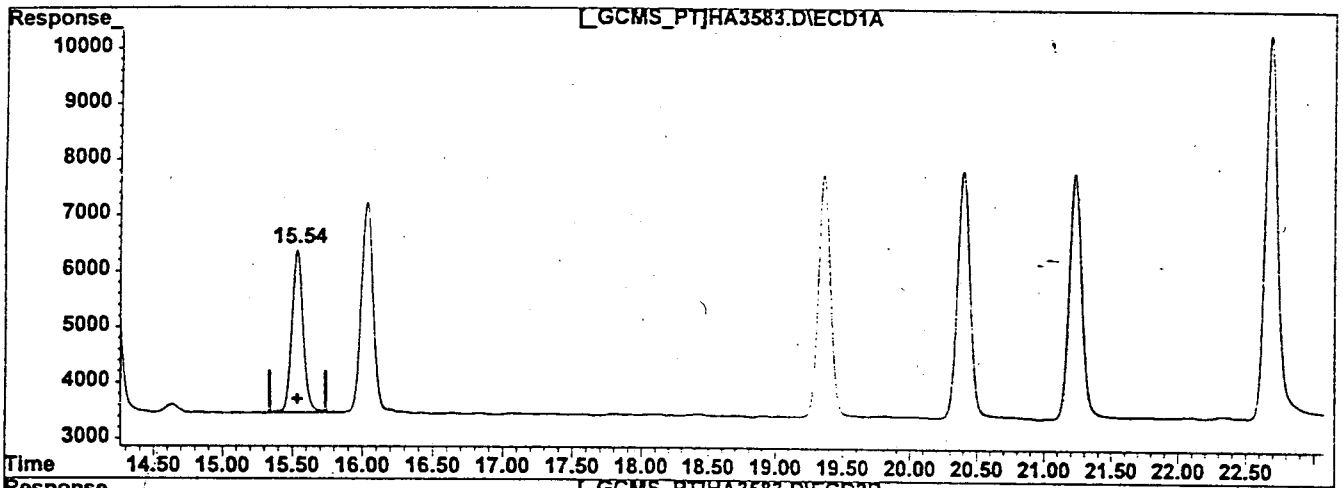
response 245784

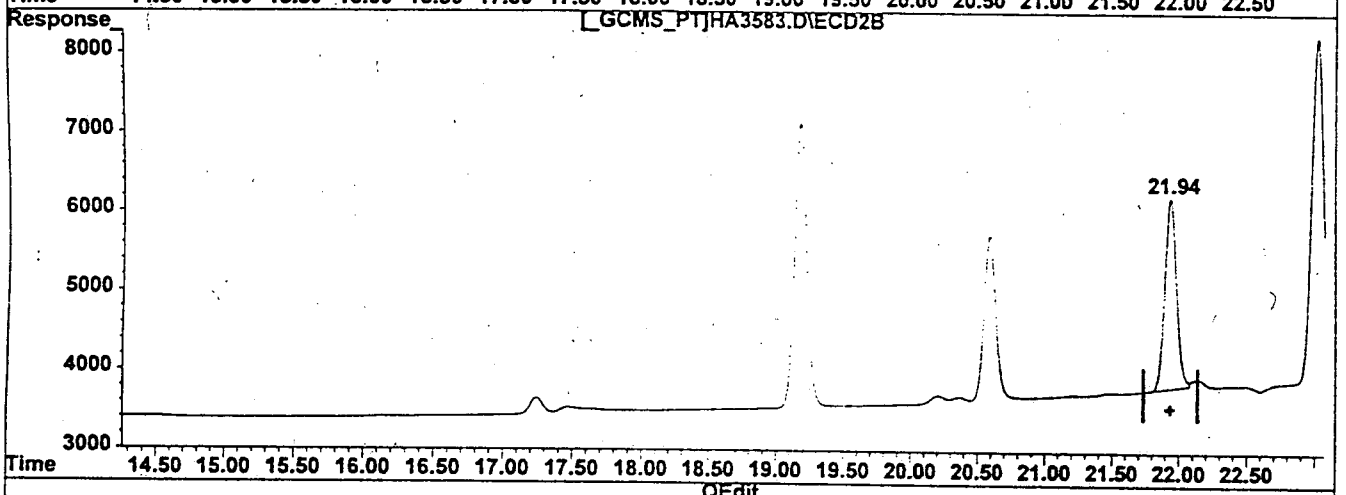
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(7) delta-BHC (B)

15.54min 20.452ng/ml

response 162182

(7) delta-BHC #2 (B)

21.94min 18.798ng/ml m

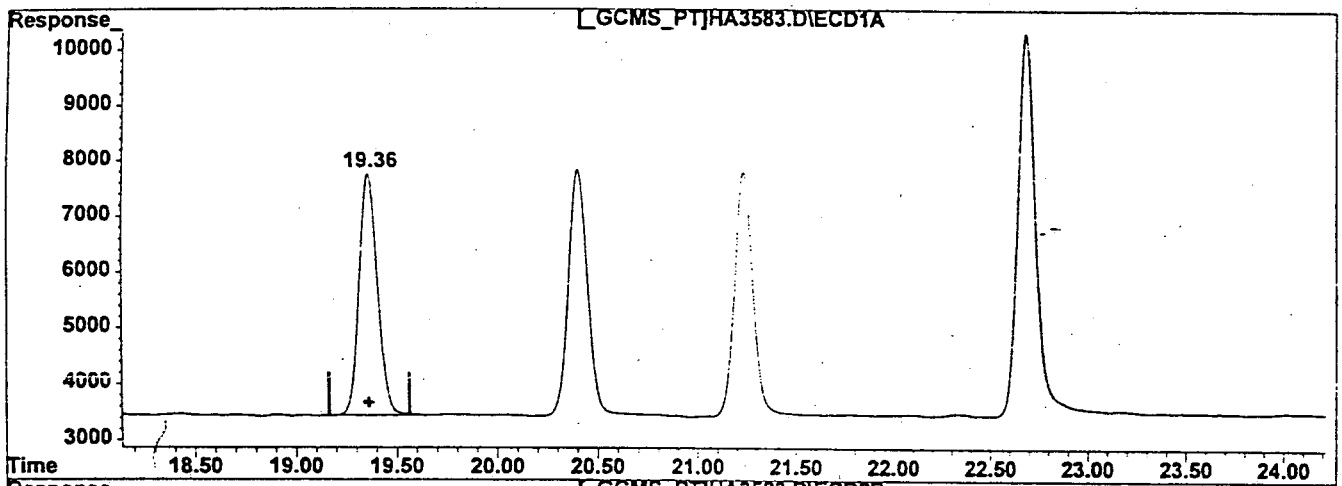
response 143060

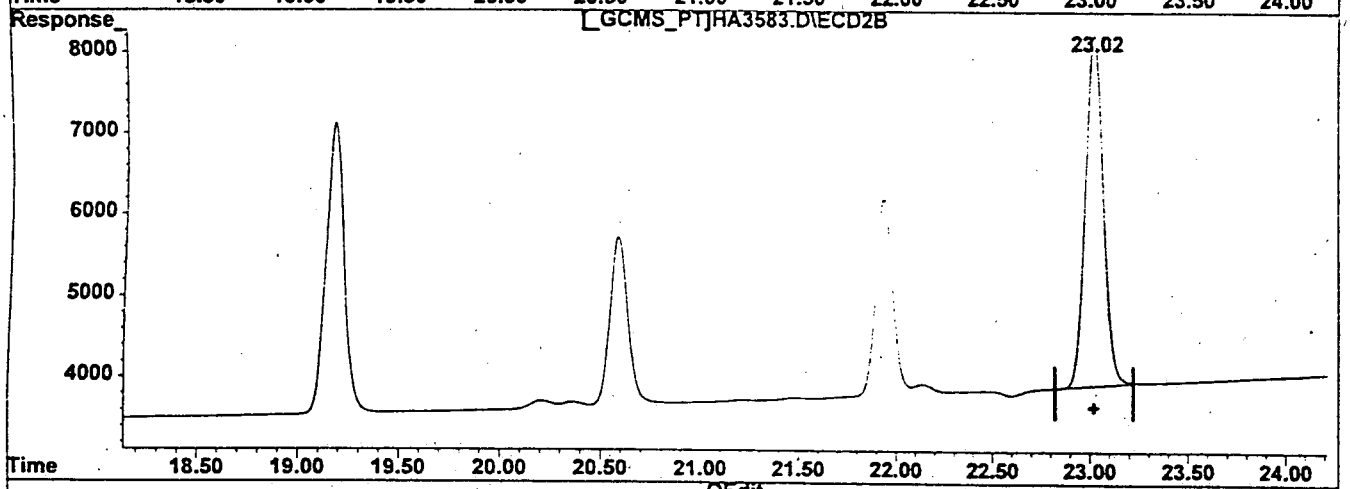
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(8) Heptachlor epoxide (B)

19.37min 20.307ng/ml

response 272831

(8) Heptachlor epoxide #2 (B)

23.02min 18.641ng/ml m

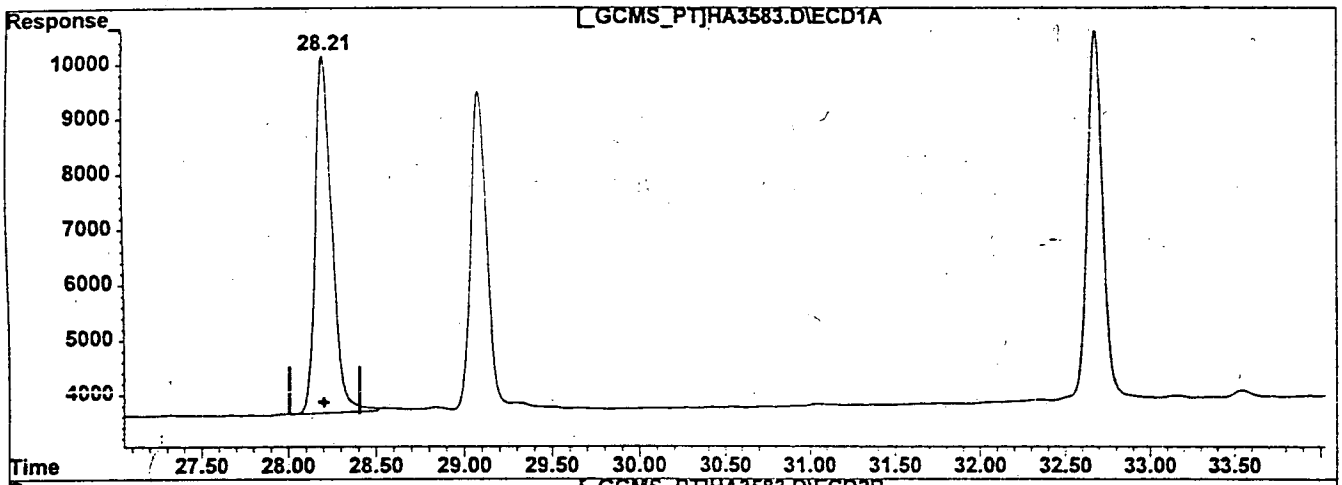
response 273302

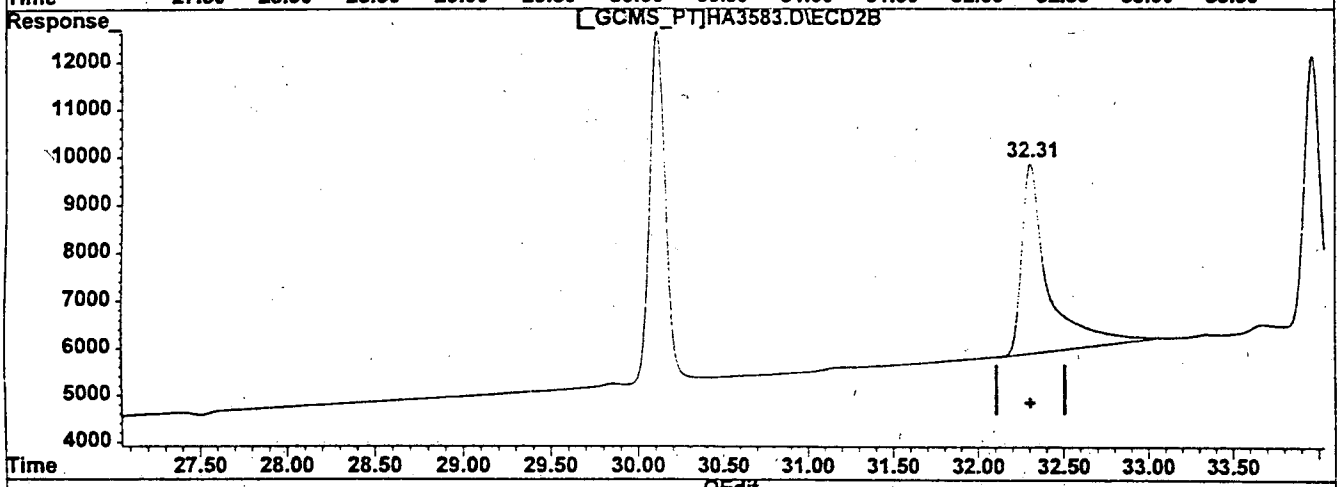
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(18) Endrin aldehyde (B)

28.21min 43.665ng/ml m

response 429294

(18) Endrin aldehyde #2 (B)

32.31min 41.250ng/ml m

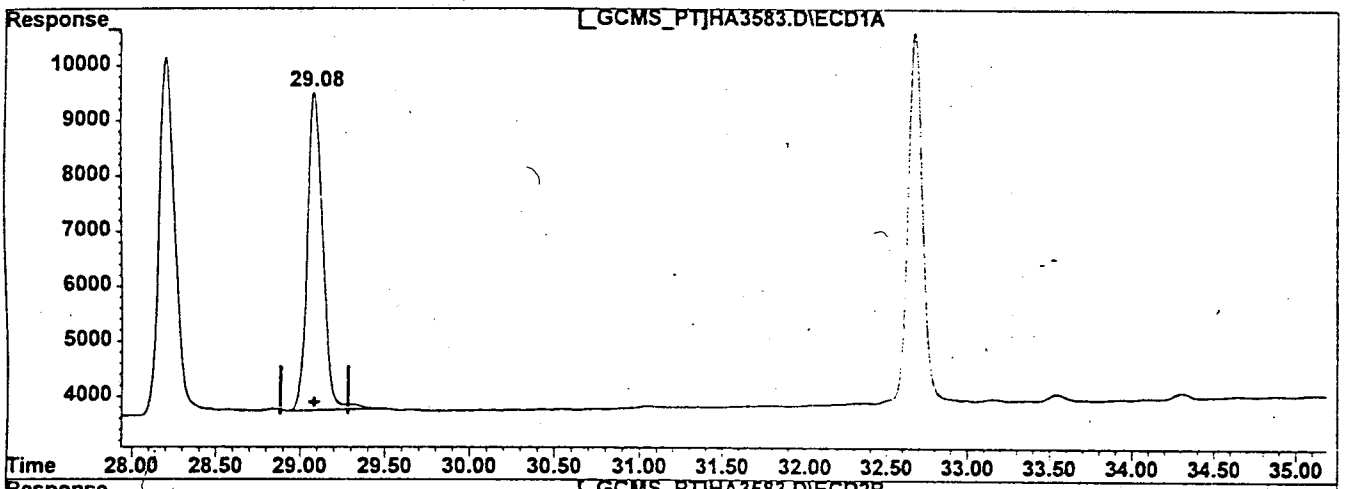
response 430883

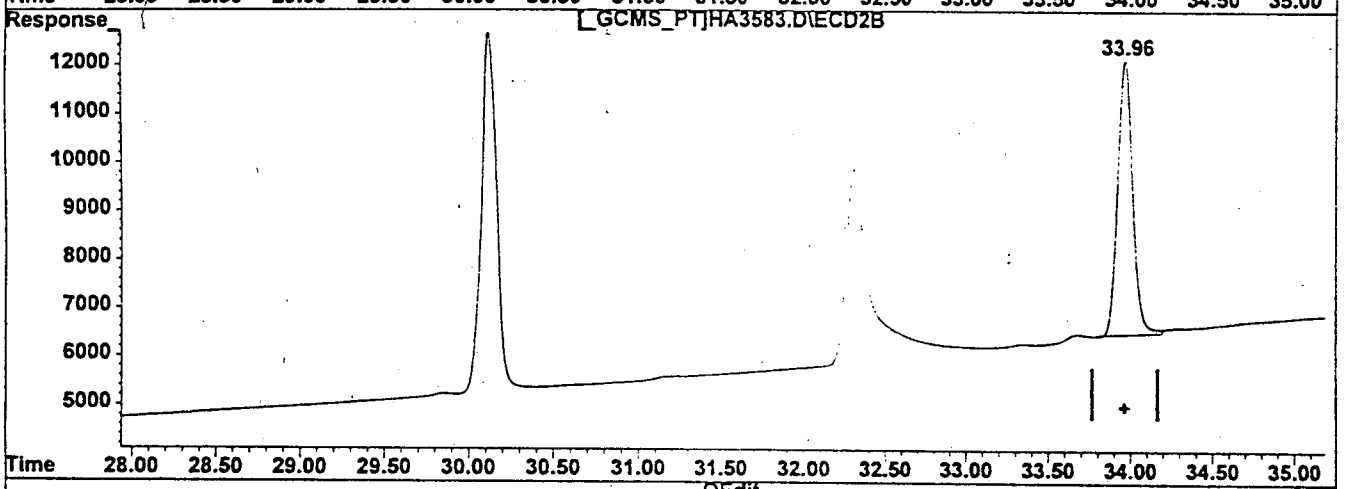
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(19) Endosulfan Sulfate (B)

29.09min 42.269ng/ml

response 368949

(19) Endosulfan Sulfate #2 (B)

33.96min 36.752ng/ml m

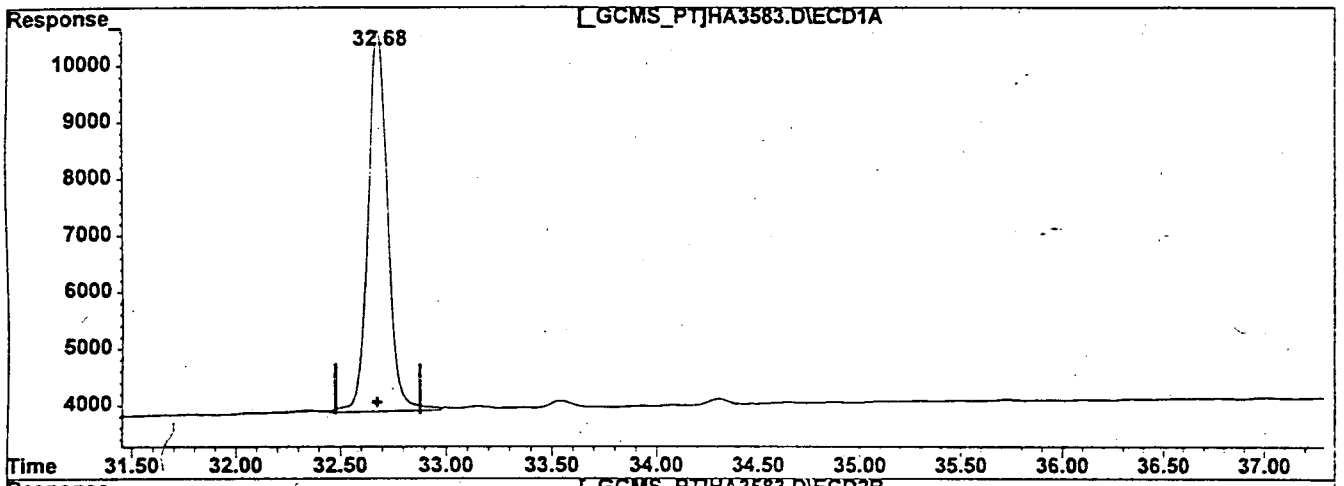
response 359740

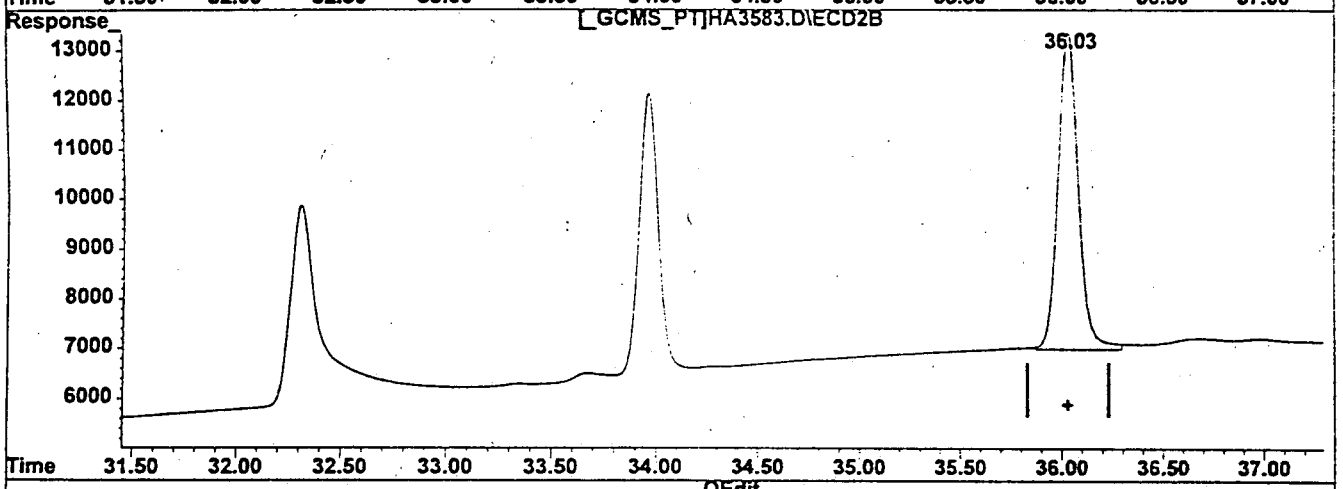
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(21) Endrin ketone (B)

32.68min 40.304ng/ml m

response 435472

(21) Endrin ketone #2 (B)

36.03min 37.290ng/ml m

response 440019

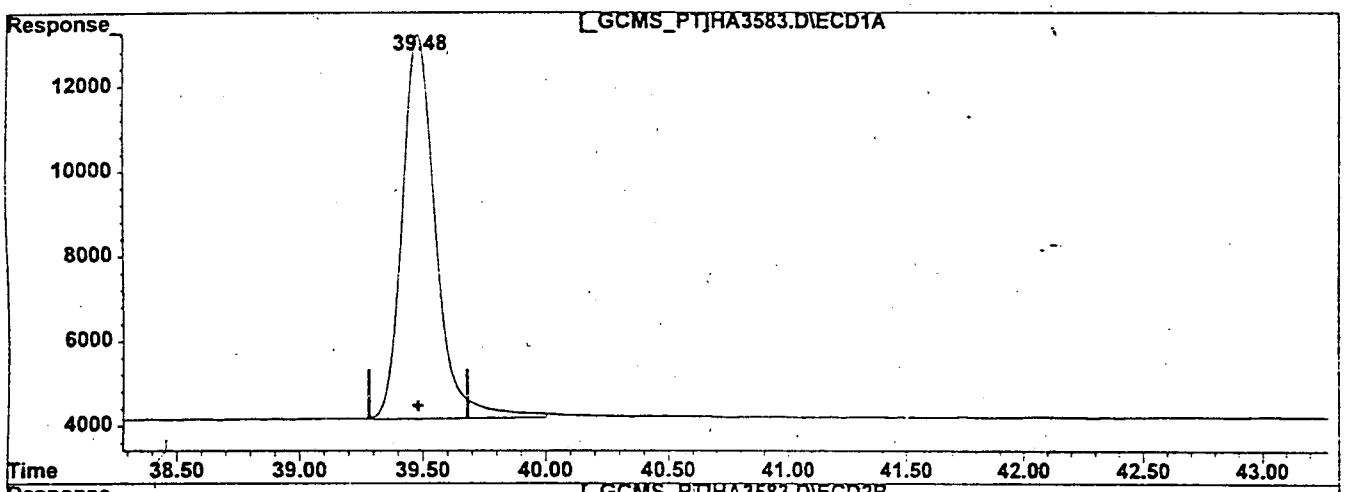
(+) = Expected Retention Time

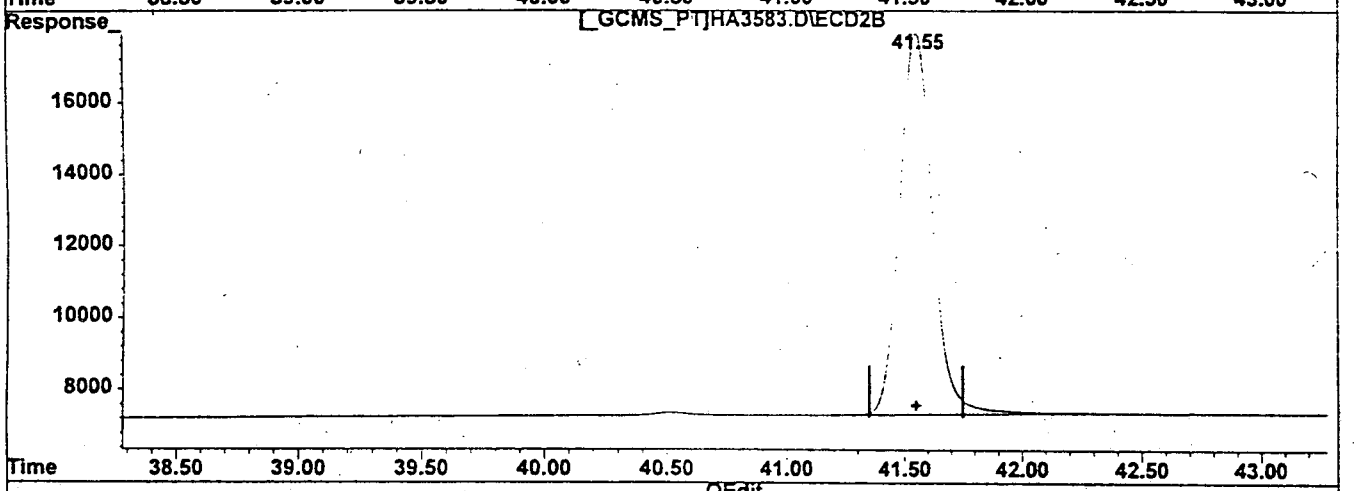
HA3583.D CLP_8.M Wed Feb 25 13:12:16 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3583.D\ECD1A.CH Vial: 13
Signal #2 : F:\1\DATA_H\HA3583.D\ECD2B.CH
Acq On : 25 Mar 98 9:39 Operator:
Sample : INDBM01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 11:18 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.48min 44.306ng/ml m

response 855554

(22) Decachlorobiphenyl #2 (SA)

41.55min 39.511ng/ml

response 1039714

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	1200805	1117947	83.630	83.208	0.0
Spiked Amount 40.000 Range 60 - 150 Recovery =					209.08%#	208.02%#	
2) SA Decachlorobiphen	39.47	41.54	3102033	4059032	160.642m	154.252m	0.11
Spiked Amount 40.000 Range 60 - 150 Recovery =					401.61%#	385.63%#	
Target Compounds							
5) MB Aldrin	16.04	19.18	1059909	1109458	88.427	91.319	0.0
6) B beta-BHC	14.23	20.59	660933	607126	102.938	101.617	
7) B delta-BHC	15.54	21.93	880225	800734	111.003m	105.218m	
8) B Heptachlor epoxi	19.36	23.02	1164367	1230205	86.664m	83.910m	
10) B gamma-Chlordane	20.40	24.81	1241025	1299540	87.081	80.958	
11) B alpha-Chlordane	21.23	25.14	1230803	1269263	82.119	80.729	
12) B 4,4'-DDE	22.68	25.54	2033872	2085269	179.635m	183.354m	0.16
15) B Endosulfan II	26.51	30.10	1991377	2115032	176.018m	170.702m	
18) B Endrin aldehyde	28.20	32.30	1706786	1738895	173.601m	166.470m	
19) B Endosulfan Sulfa	29.08	33.96	1627043	1630962	186.404m	166.622m	
21) B Endrin ketone	32.67	36.02	2057764	2082070	190.453	176.449m	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

2/25/98 ~~191~~

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

HA3585.D CLP_8.M Wed Feb 25 13:16:50 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

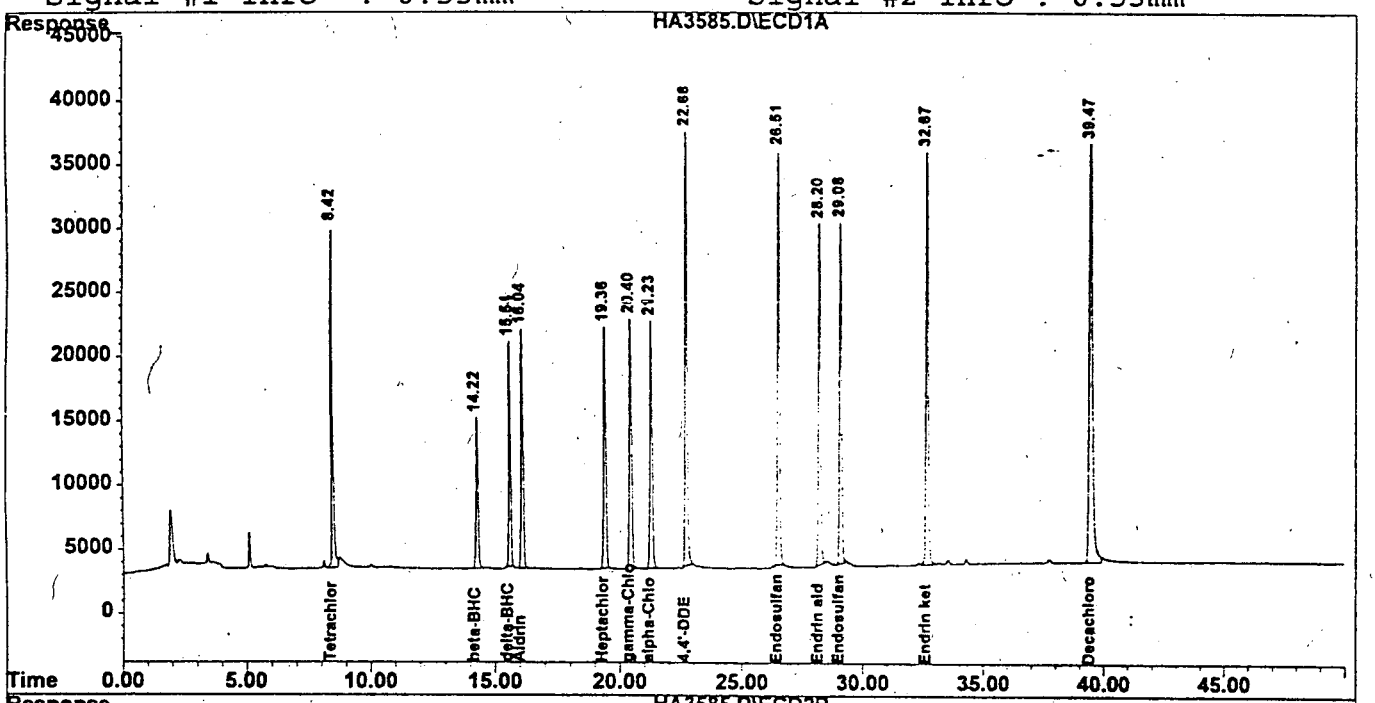
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.
HA3585.D CLP_8.M Wed Feb 25 13:17:01 1998 GC 06 192 Page 2

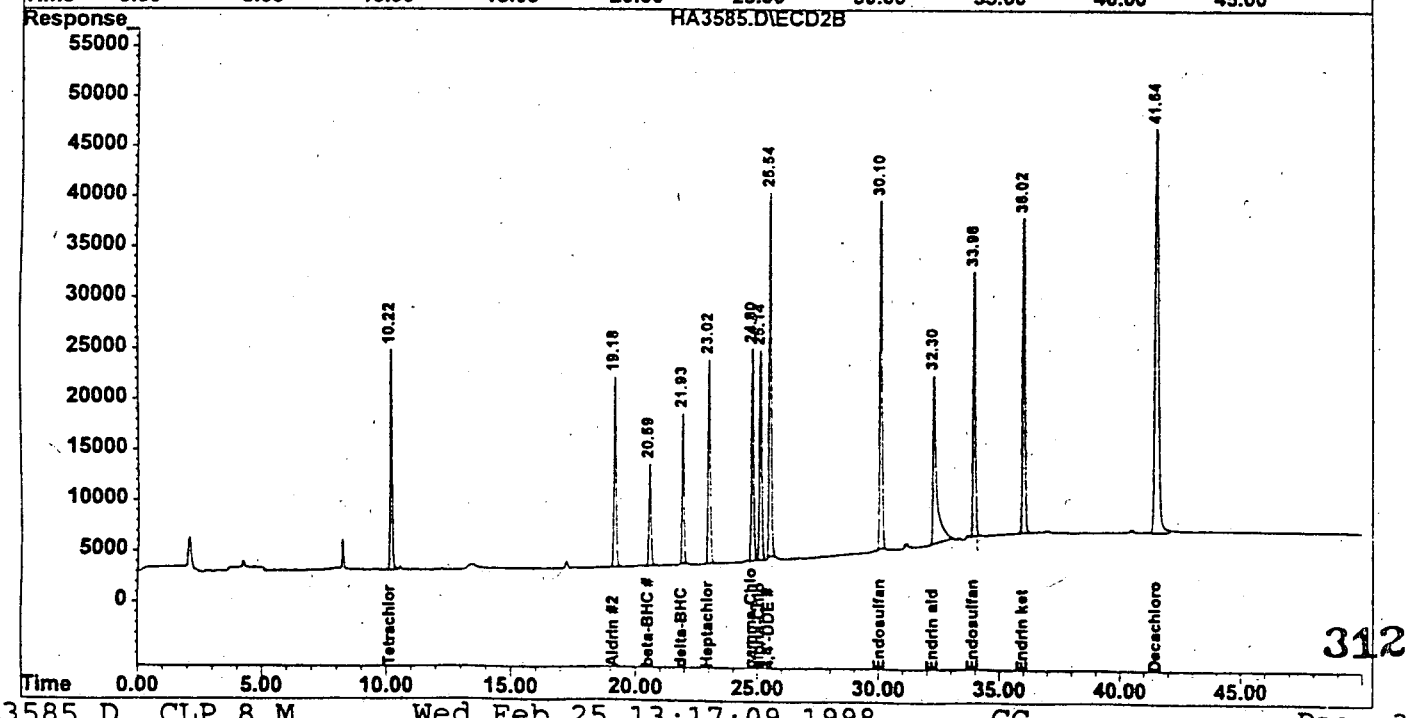
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





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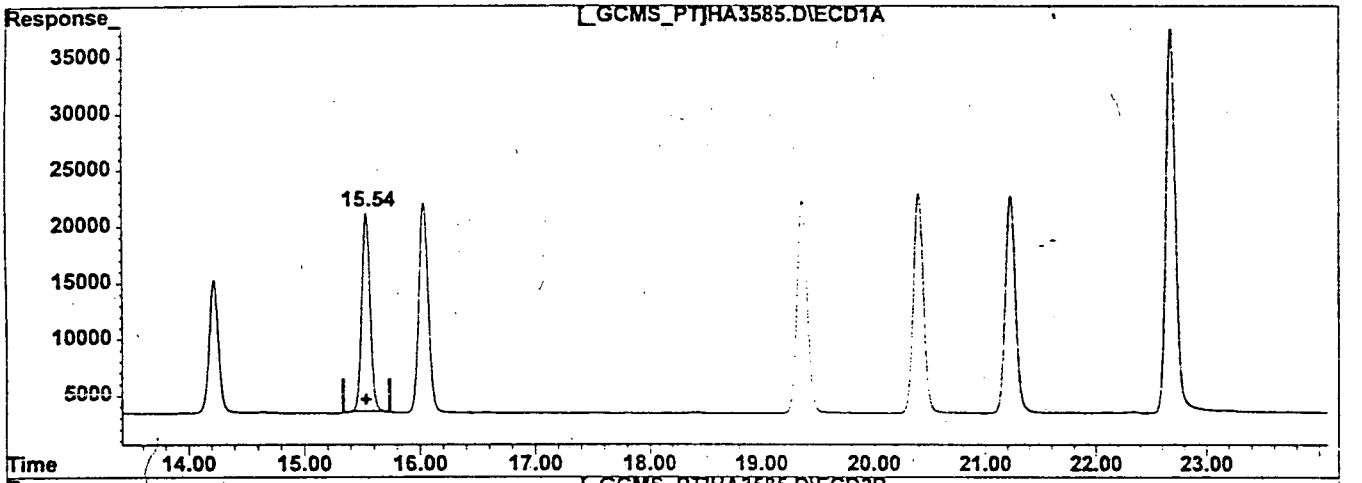
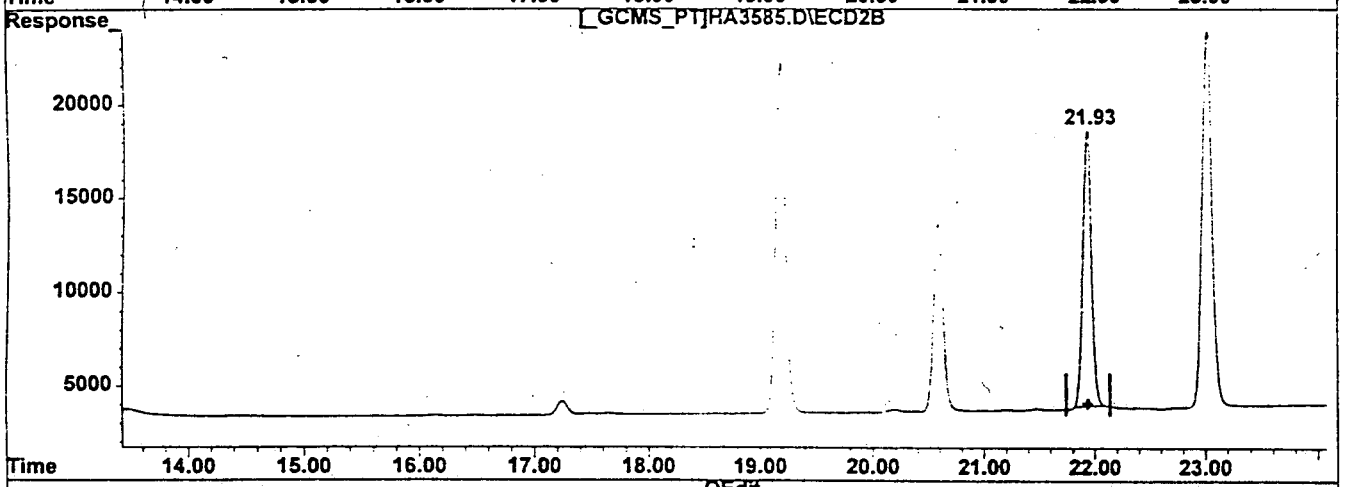
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(7) delta-BHC (B)

15.54min 111.003ng/ml m

response 880225

(7) delta-BHC #2 (B)

21.93min 105.218ng/ml m

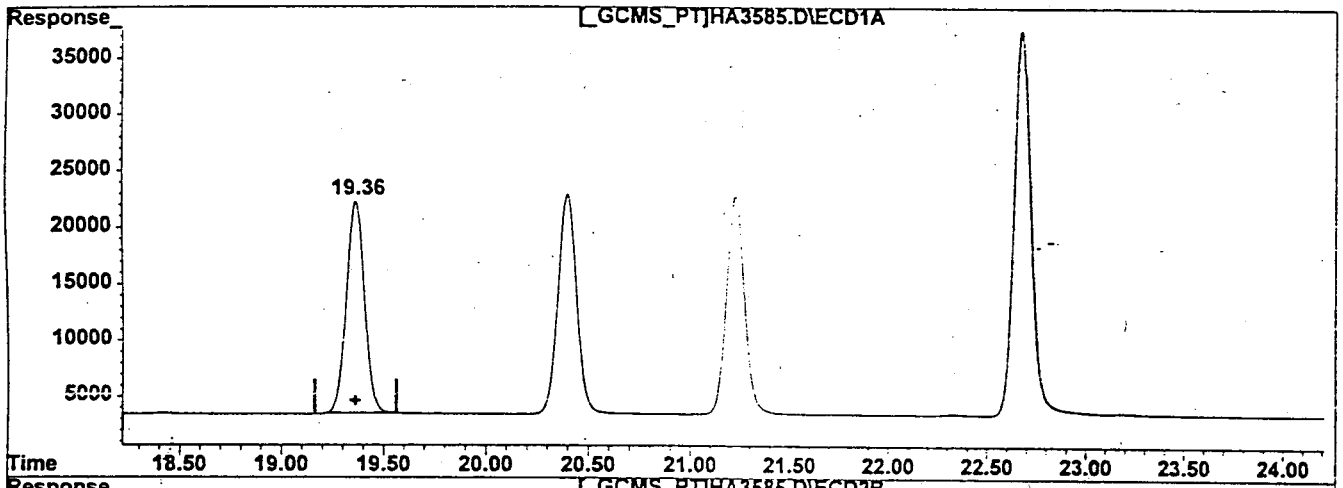
response 800734

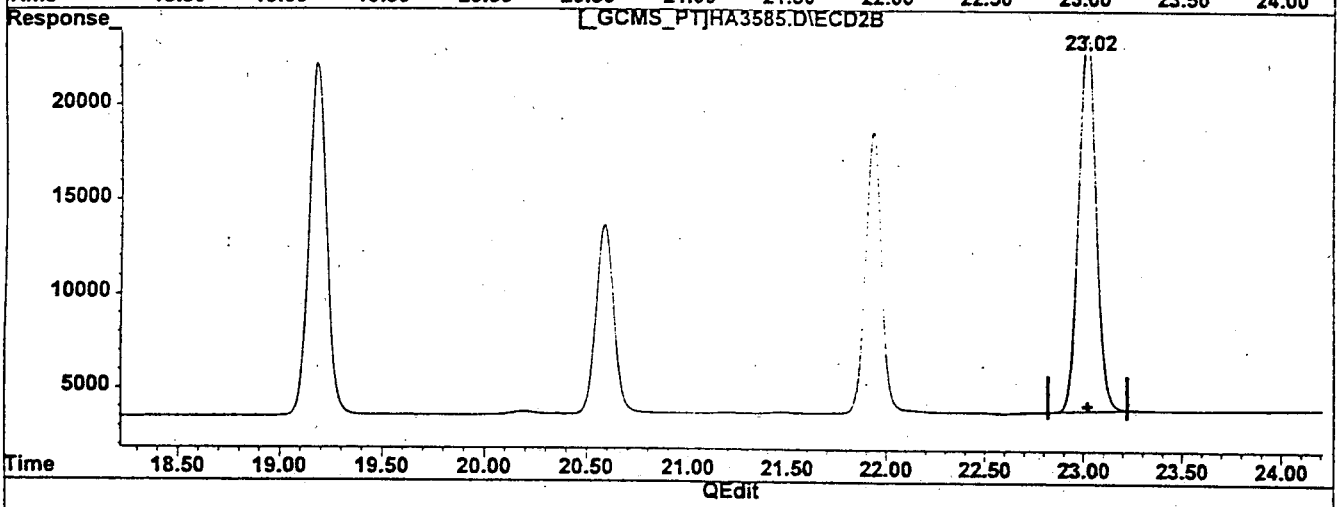
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(8) Heptachlor epoxide (B)

19.36min 86.664ng/ml m

response 1164367

(8) Heptachlor epoxide #2 (B)

23.02min 83.910ng/ml m

response 1230205

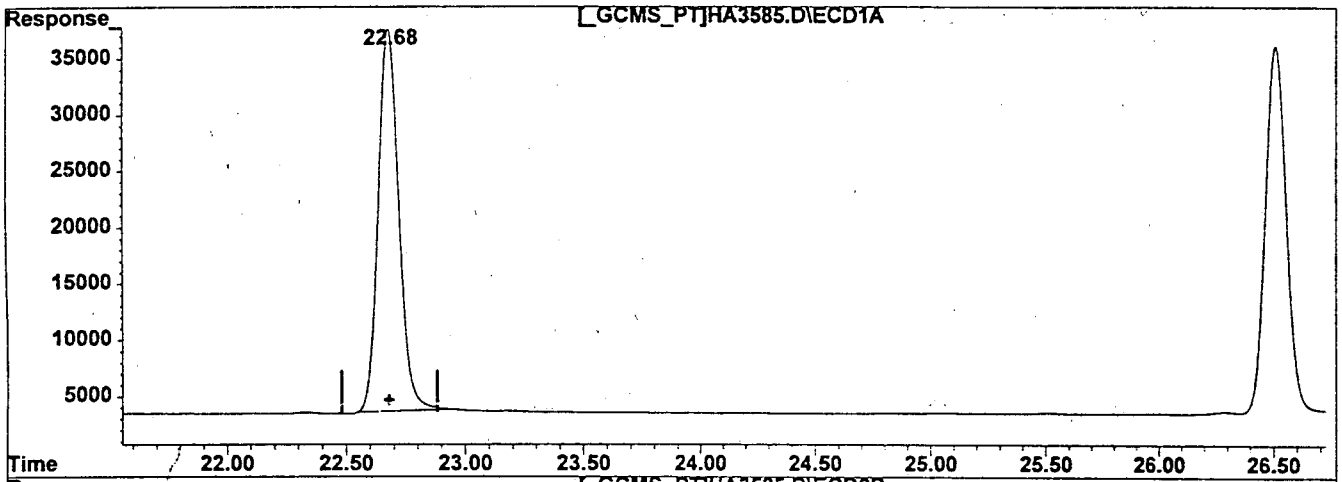
(+) = Expected Retention Time

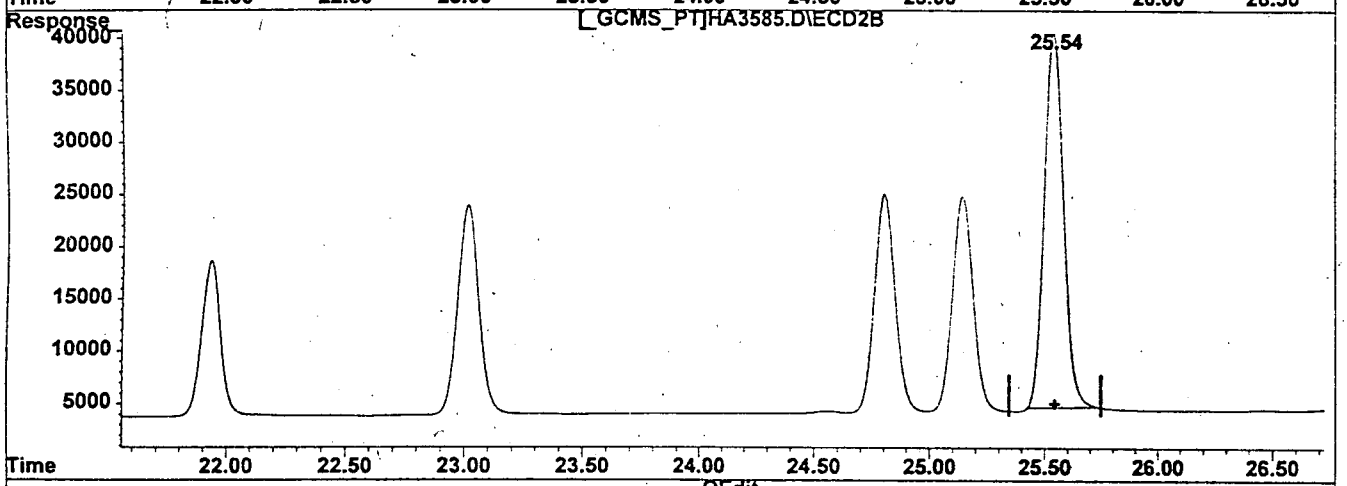
HA3585.D CLP_8.M Wed Feb 25 13:17:51 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(12) 4,4'-DDE (B)

22.68min 179.635ng/ml m

response 2033872

(12) 4,4'-DDE #2 (B)

25.54min 183.354ng/ml m

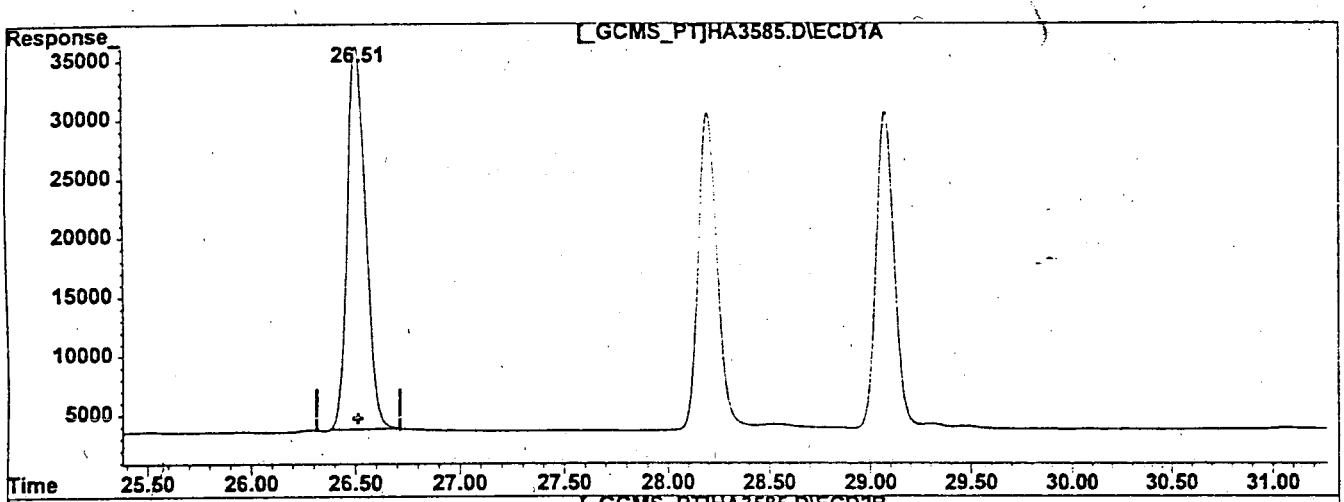
response 2085269

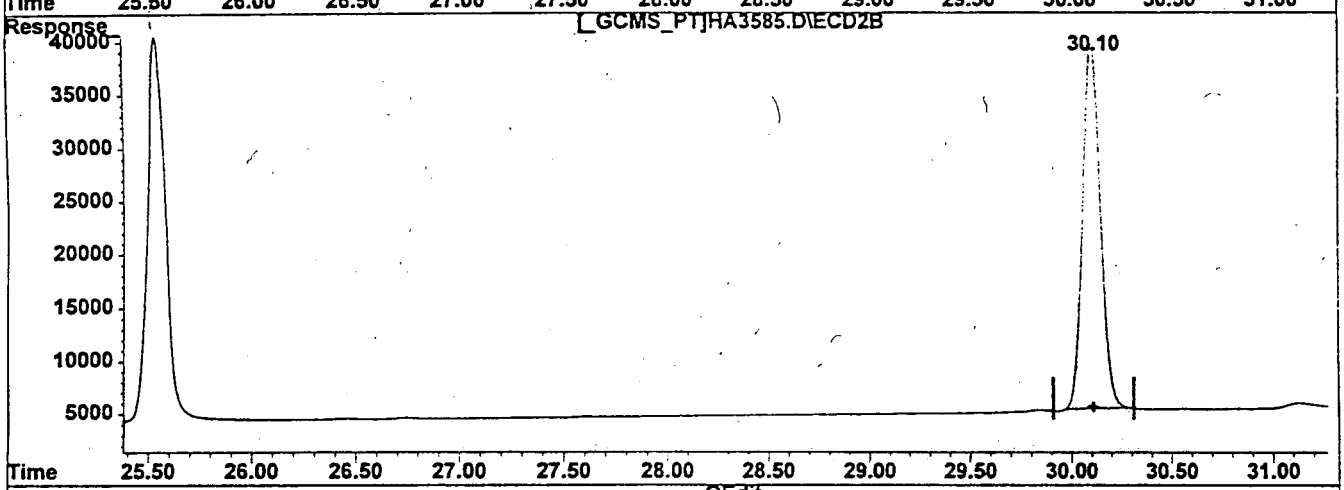
(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(15) Endosulfan II (B)

26.51min 176.018ng/ml m

response 1991377

(15) Endosulfan II #2 (B)

30.10min 170.702ng/ml m

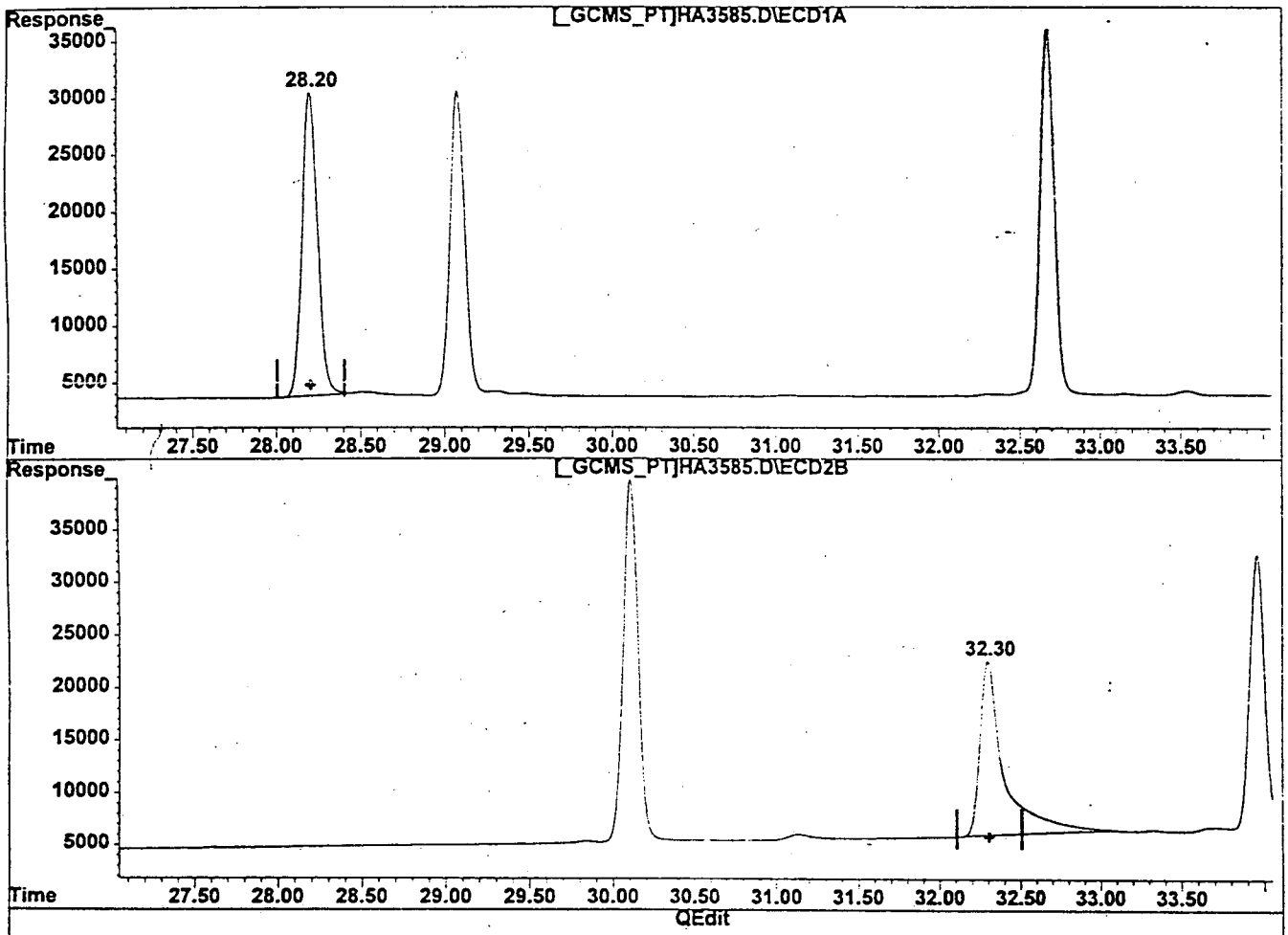
response 2115032

(+) = Expected Retention Time

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(18) Endrin aldehyde (B)

28.20min 173.601ng/ml m

response 1706786

(18) Endrin aldehyde #2 (B)

32.30min 166.470ng/ml m

response 1738895

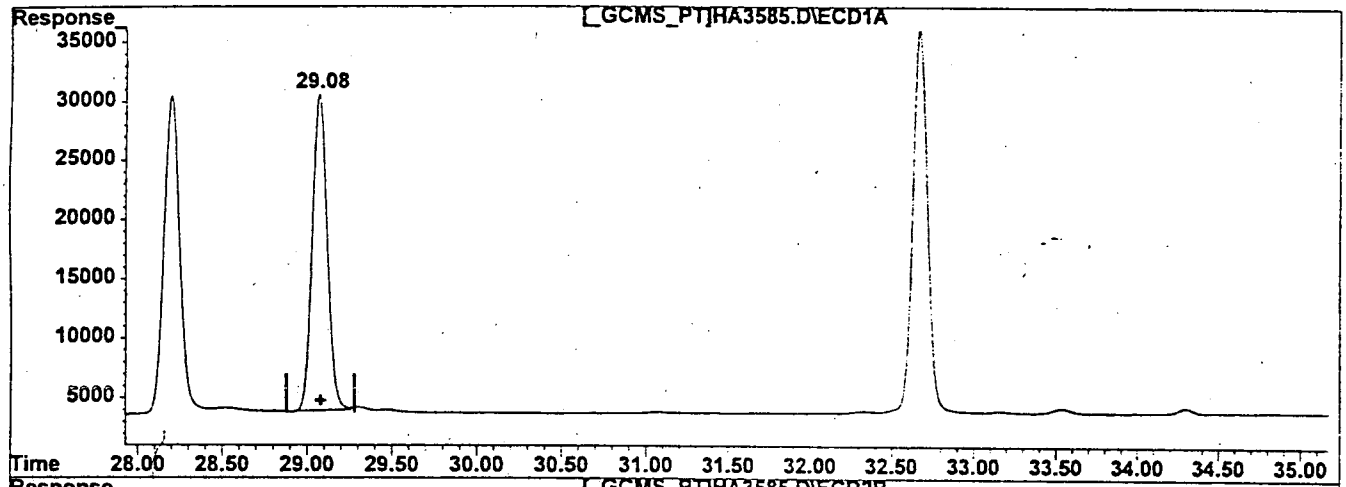
(+) = Expected Retention Time

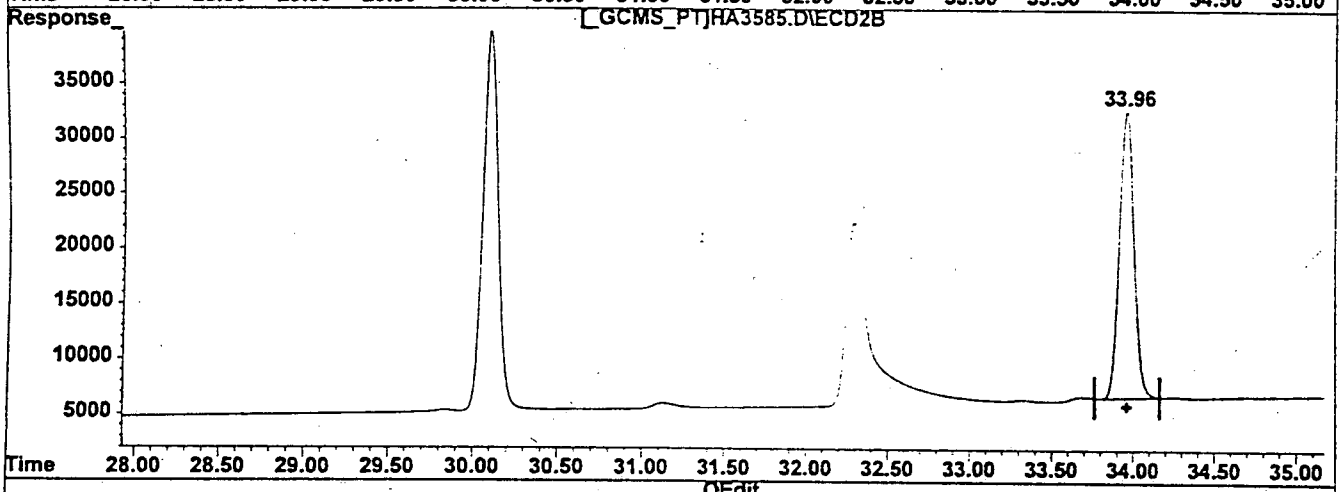
HA3585.D CLP_8.M Wed Feb 25 13:18:13 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(19) Endosulfan Sulfate (B)

29.08min 166.404ng/ml m

response 1627043

(19) Endosulfan Sulfate #2 (B)

33.96min 166.622ng/ml m

response 1630962

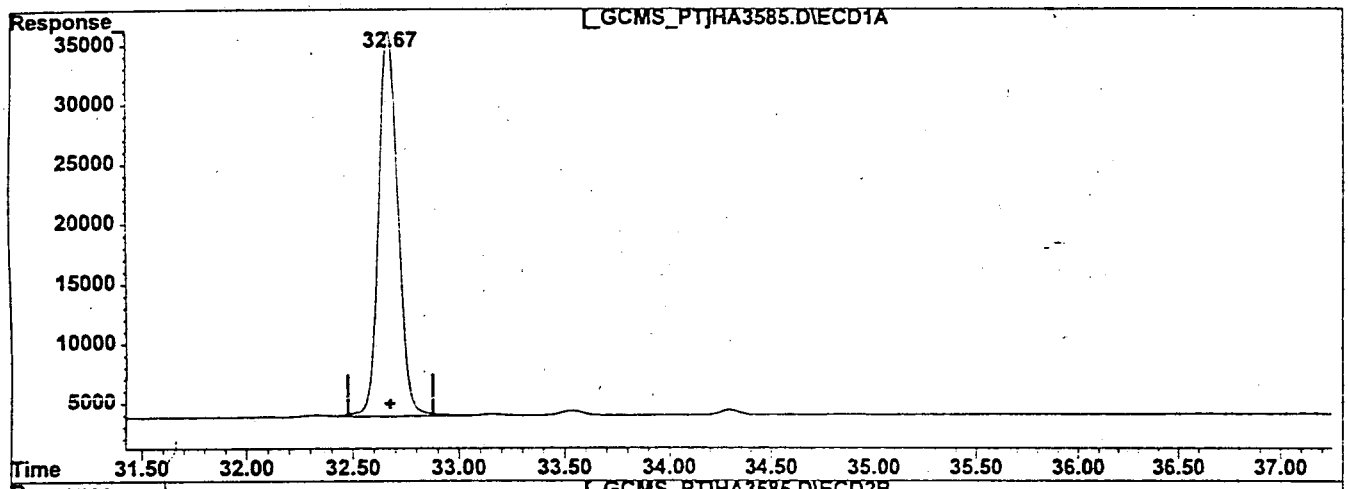
(+) = Expected Retention Time

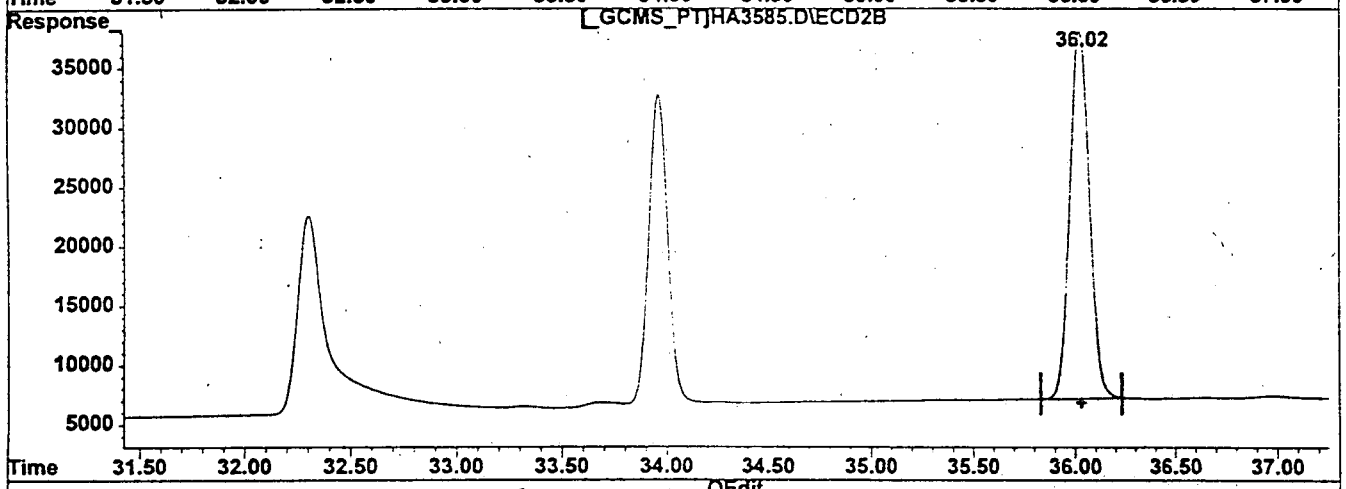
HA3585.D CLP_8.M Wed Feb 25 13:18:21 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH Vial: 15
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27 Operator:
Sample : INDBH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(21) Endrin ketone (B)

32.67min 190.453ng/ml

response 2057764

(21) Endrin ketone #2 (B)

36.02min 176.449ng/ml m

response 2082070

(+) = Expected Retention Time

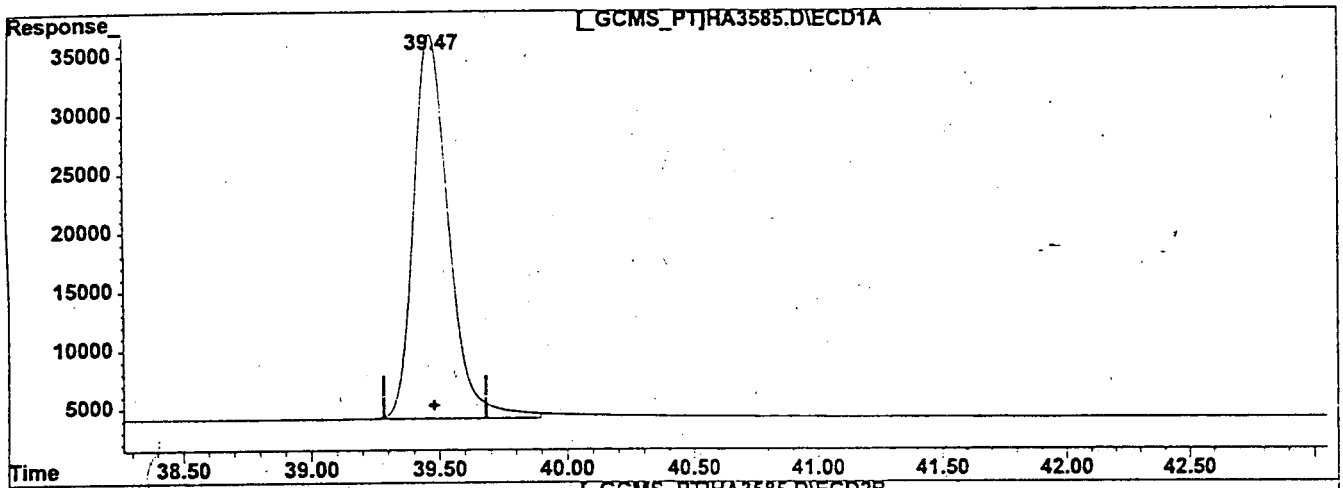
HA3585.D CLP_8.M Wed Feb 25 13:18:29 1998 GC

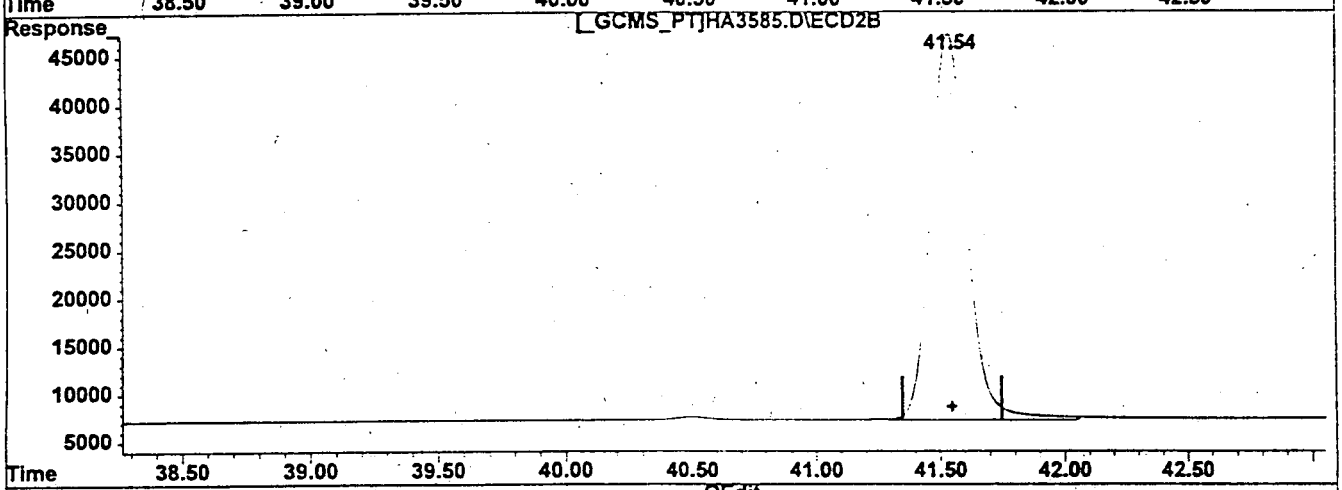
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3585.D\ECD1A.CH
Signal #2 : F:\1\DATA_H\HA3585.D\ECD2B.CH
Acq On : 25 Mar 98 11:27
Sample : INDBH01
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 13:15 1998 Quant Results File: CLP_8.RES

Vial: 15
Operator:
Inst : GC_5890_8
Multiplr: 1.00

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.47min 160.642ng/ml m

response 3102033

(22) Decachlorobiphenyl #2 (SA)

41.54min 154.252ng/ml m

response 4059032

(+) = Expected Retention Time

HA3585.D CLP_8.M Wed Feb 25 13:18:37 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	367498	221701	25.594m	16.501 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					63.99%	41.25%#
2) SA Decachlorobiphen	39.48	41.55f	343166	408155	17.771m	15.511m
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.43%#	38.78%#
Target Compounds						
23) L1 Aroclor-1016{1}	10.76	12.70	36964	30585	118.930	97.045
24) L1 Aroclor-1016{2}	12.71	14.67	73737	69910	95.479	102.903
25) L1 Aroclor-1016{3}	14.64	17.08	143295	125625	100.664	94.580
26) L1 Aroclor-1016{4}	15.42	17.84	42287	50884	89.281	91.991
27) L1 Aroclor-1016{5}	18.09	20.41	45328	59544	92.273m	100.734m
Sum Aroclor-1016			341610	336548	496.626	487.254
Average Aroclor-1016					99.325	97.451
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	24.74	26.95	107156	86270	101.660	101.750m
51) L7 Aroclor-1260{2}	25.42	28.11	119076	103606	103.993	100.651m
52) L7 Aroclor-1260{3}	29.74	31.84	77265	65766	101.713	95.819m
53) L7 Aroclor-1260{4}	30.70	33.28	149884	133340	99.273	94.205m
54) L7 Aroclor-1260{5}	32.95	35.15	117600	116310	113.916	106.116m
Sum Aroclor-1260			570981	505292	520.554	498.541
Average Aroclor-1260					104.111	99.708

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
verage Toxaphene					0.000	0.000

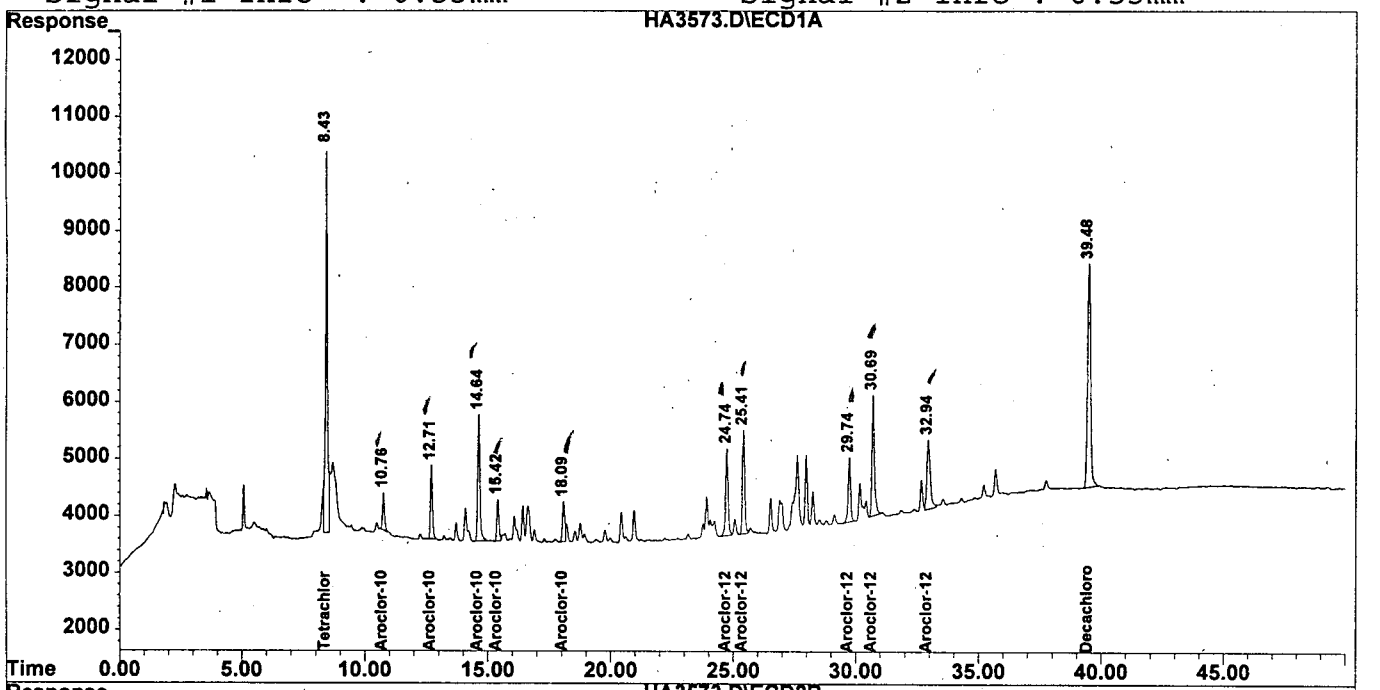
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

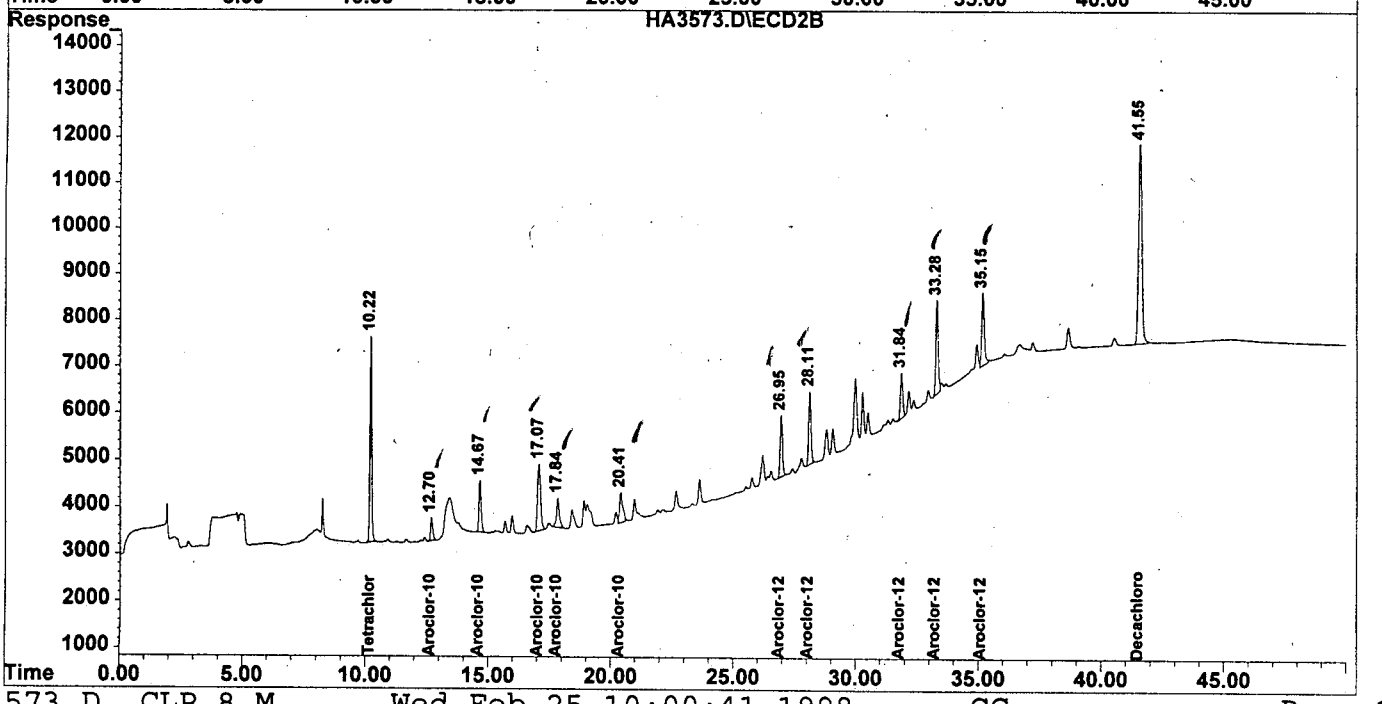
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

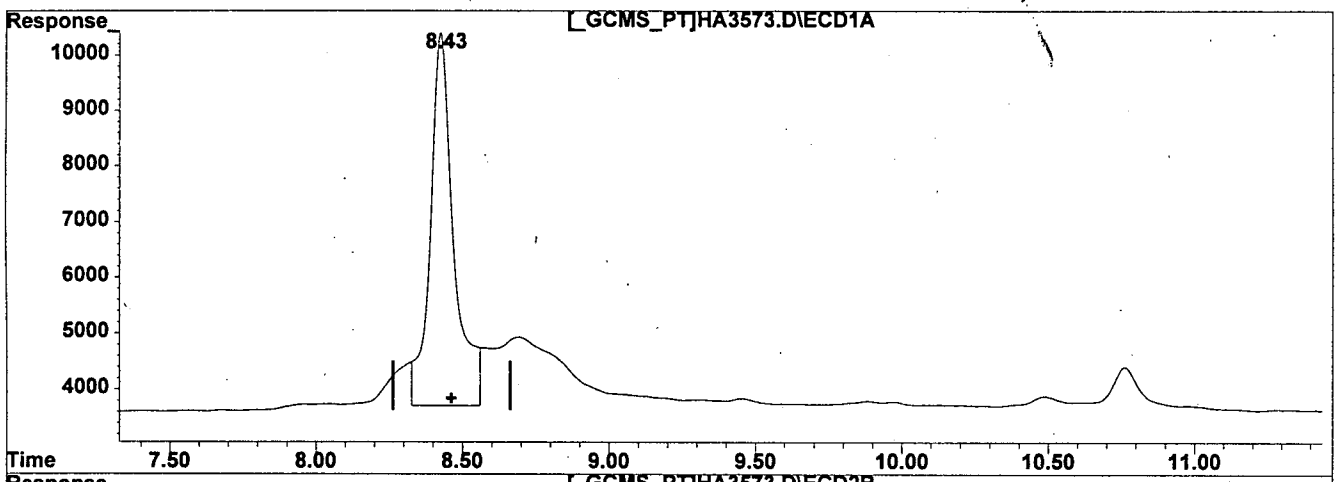


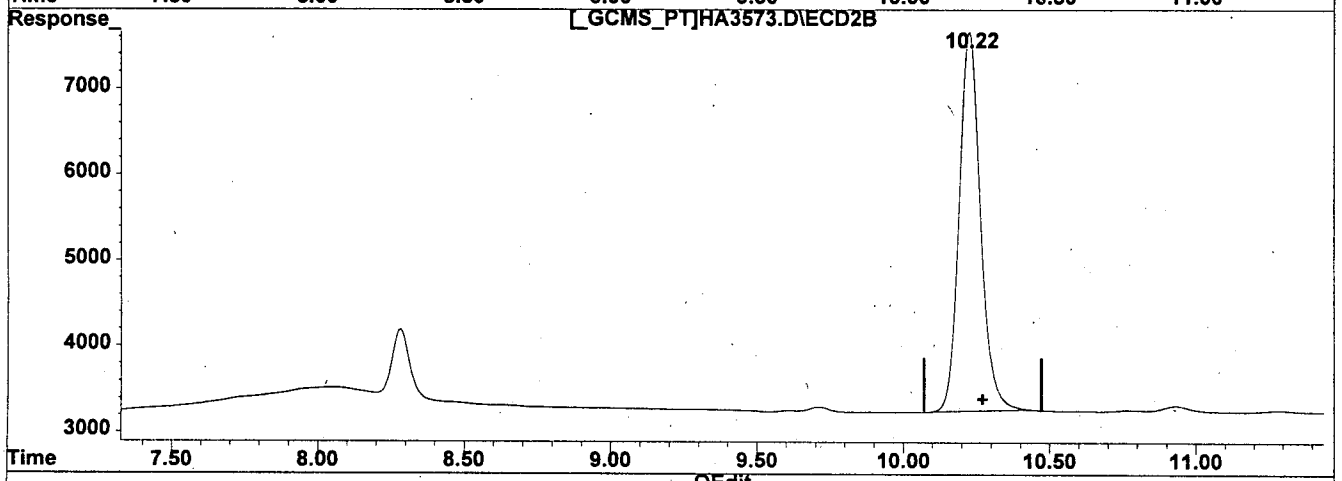


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 25.594ng/ml m

response 367498

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 16.501ng/ml

response 221701

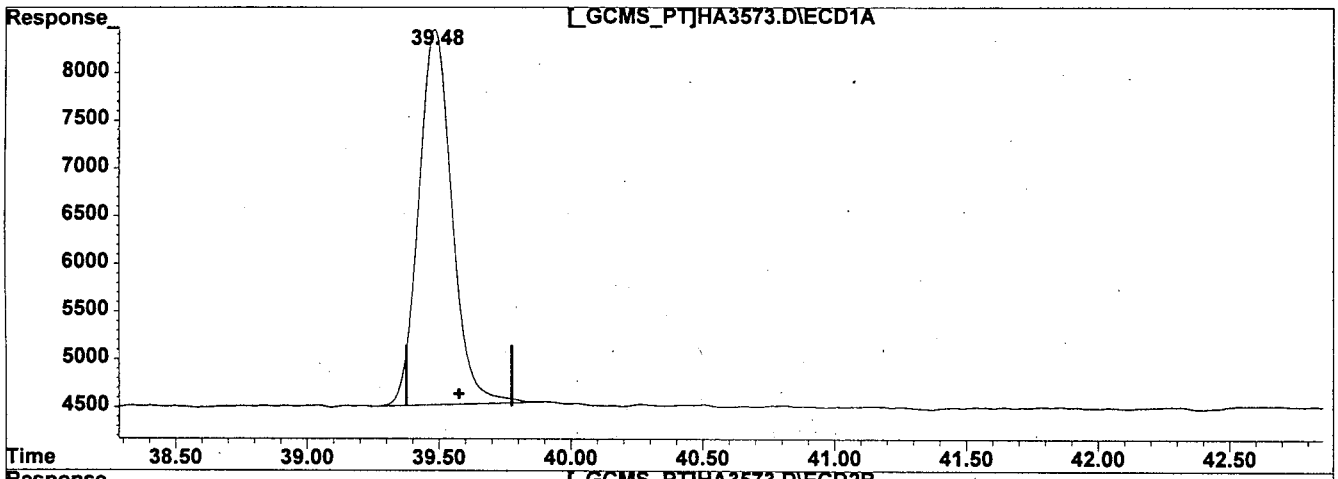
(+) = Expected Retention Time

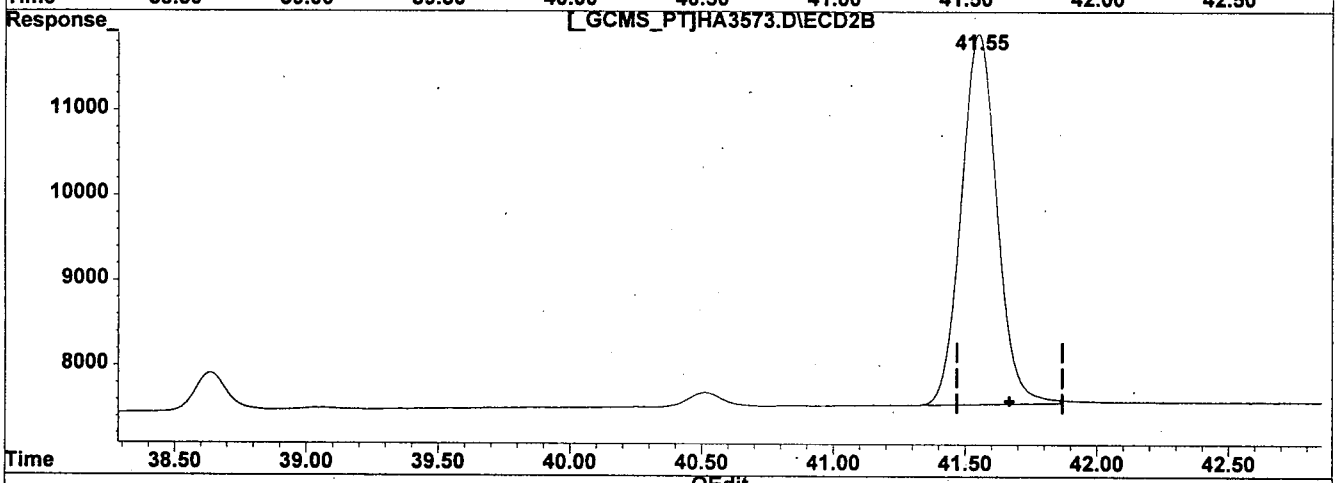
HA3573.D CLP_8.M Wed Feb 25 10:04:30 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.48min 17.771ng/ml m

response 343166

(22) Decachlorobiphenyl #2 (SA)

41.55min 15.511ng/ml m

response 408155

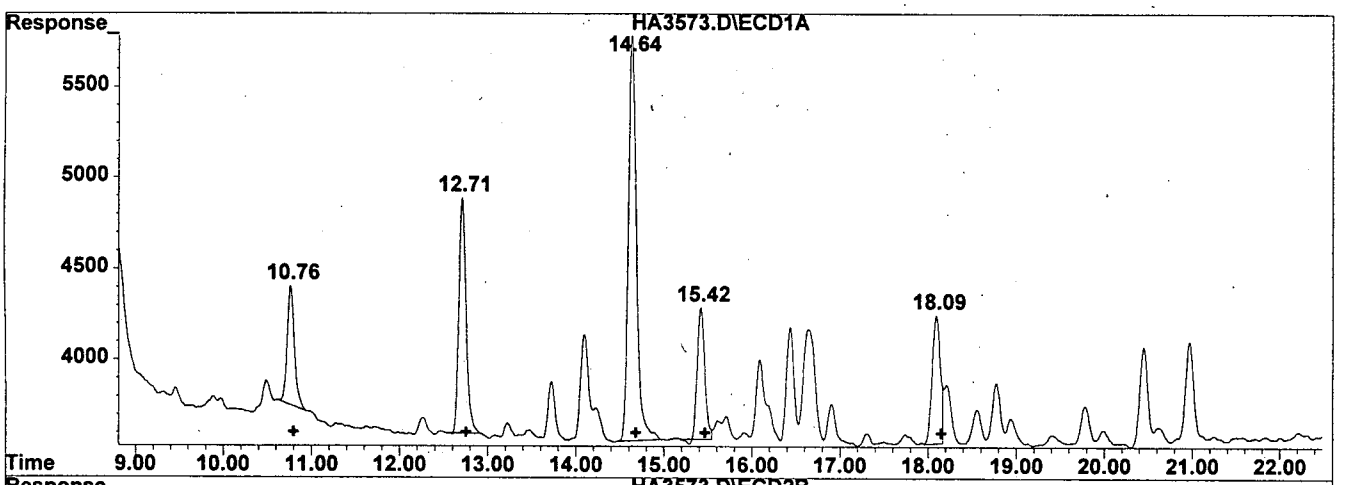
(+) = Expected Retention Time

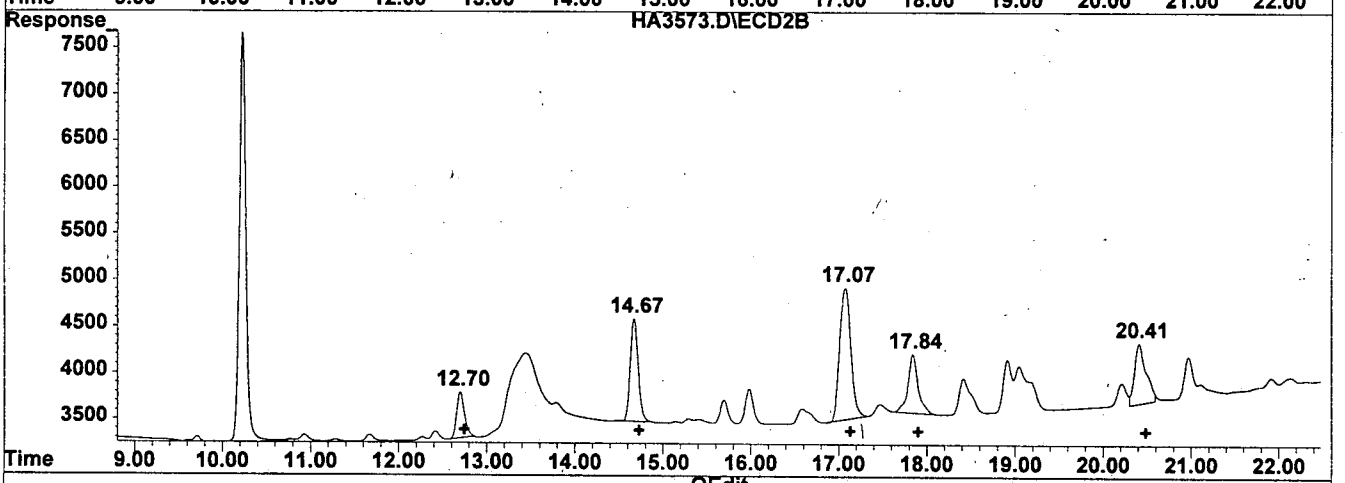
HA3573.D CLP_8.M Wed Feb 25 10:04:35 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(23) Aroclor-1016{1} (L1)

R.T.	Response	Conc
10.76	36964	118.93
12.71	73737	95.48
14.64	143295	100.66
15.42	42287	89.28
18.09	45328	92.27

(23) Aroclor-1016{1} #2 (L1)

R.T.	Response	Conc
12.70	30585	97.05
14.67	69910	102.90
17.08	125625	94.58
17.84	50884	91.99
20.41	59544	100.73

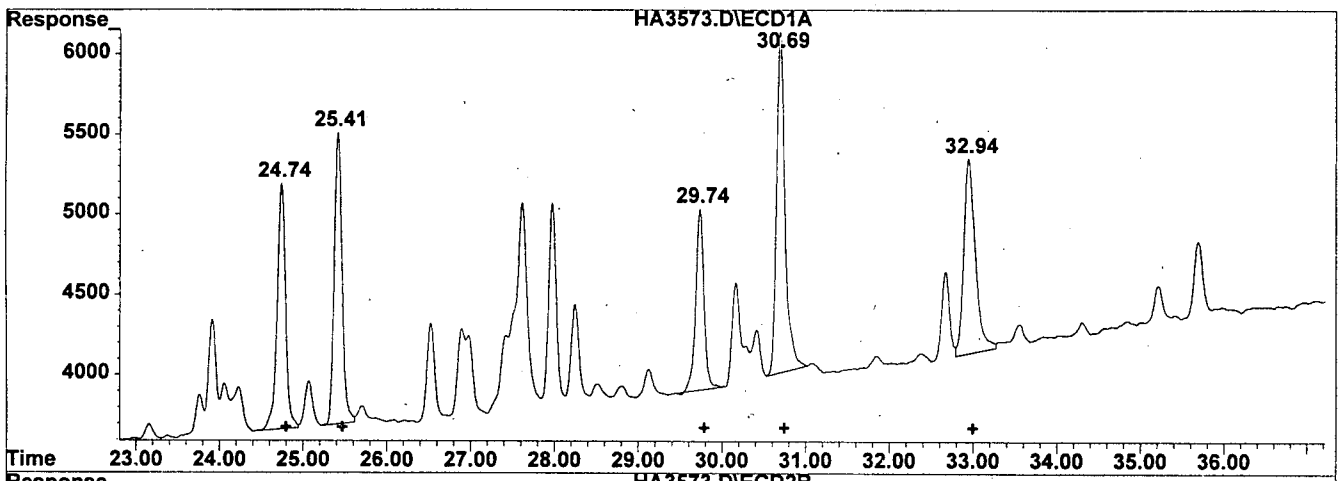
(+) = Expected Retention Time

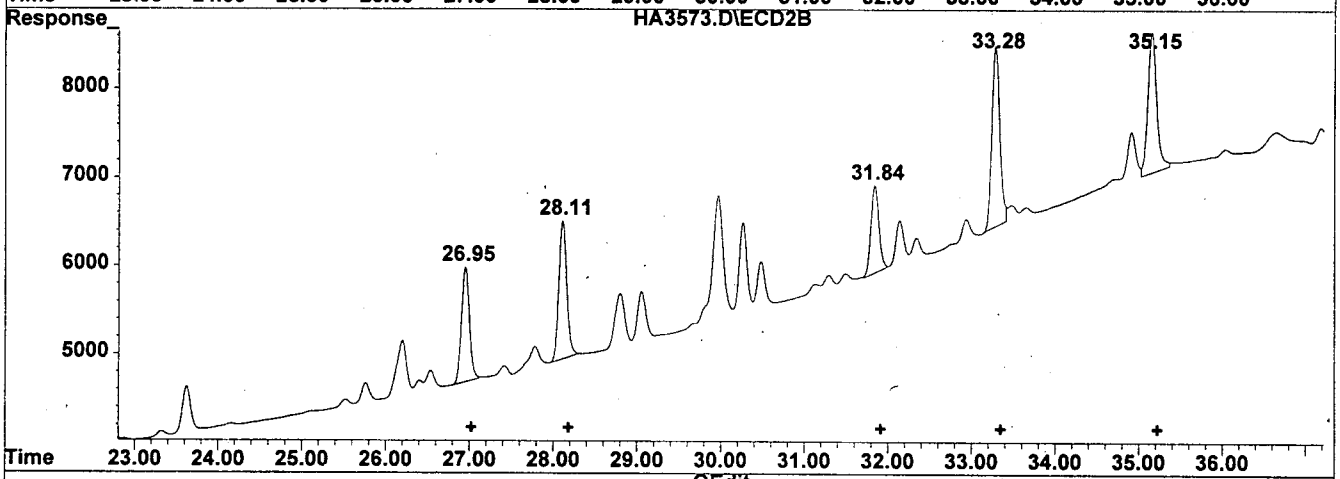
HA3573.D CLP_8.M Wed Feb 25 10:04:46 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3573.D\ECD1A.CH Vial: 3
Signal #2 : F:\1\DATA_H\HA3573.D\ECD2B.CH
Acq On : 25 Mar 98 00:40 Operator:
Sample : AR166001 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:45 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(50) Aroclor-1260{1} (L7)

R.T.	Response	Conc
24.74	107156	101.66
25.42	119076	103.99
29.74	77265	101.71
30.70	149884	99.27
32.95	117600	113.92

(50) Aroclor-1260{1} #2 (L7)

R.T.	Response	Conc
26.95	86270	101.75
28.11	103606	100.65
31.84	65766	95.82
33.28	133340	94.21
35.15	116310	106.12

(+) = Expected Retention Time

HA3573.D CLP_8.M Wed Feb 25 10:04:57 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3574.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_H\HA3574.D\ECD2B.CH
Acq On : 25 Mar 98 1:34 Operator:
Sample : AR122101 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:47 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.22	329350	226328	22.938m	16.845 # 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					57.35%#	42.11%#
2) SA Decachlorobiphen	39.49	41.55f	341954	397435	17.708m	15.103m
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.27%#	37.76%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
28) L2 Aroclor-1221{1}	7.25	11.67	30695	32552	193.014	191.789 0.20
29) L2 Aroclor-1221{2}	10.49	12.41	32552	23248	232.425	186.101
30) L2 Aroclor-1221{3}	10.76	12.70	97877	99043	209.183	190.190
Sum Aroclor-1221			161125	154843	634.622	568.080
Average Aroclor-1221					211.541	189.360
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

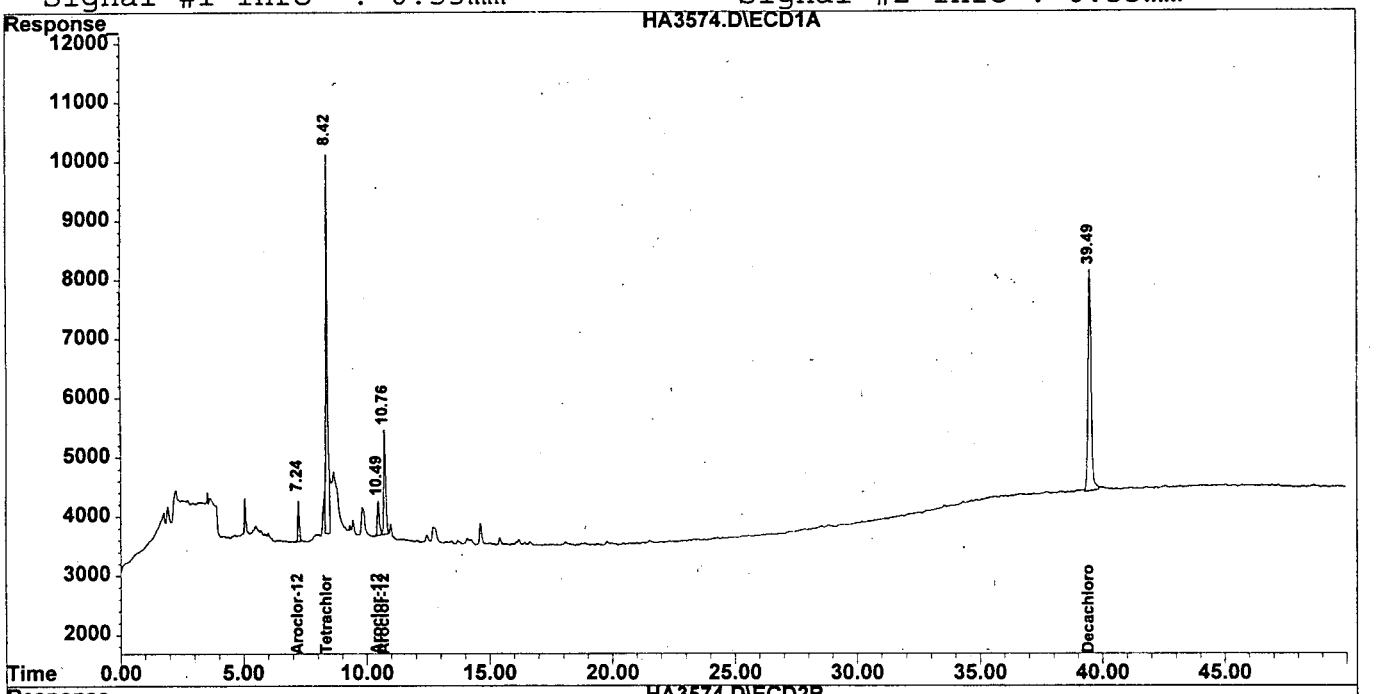
Signal #1 : F:\1\DATA_H\HA3574.D\ECD1A.CH
Signal #2 : F:\1\DATA_H\HA3574.D\ECD2B.CH
Acq On : 25 Mar 98 1:34
Sample : AR122101
Misc :

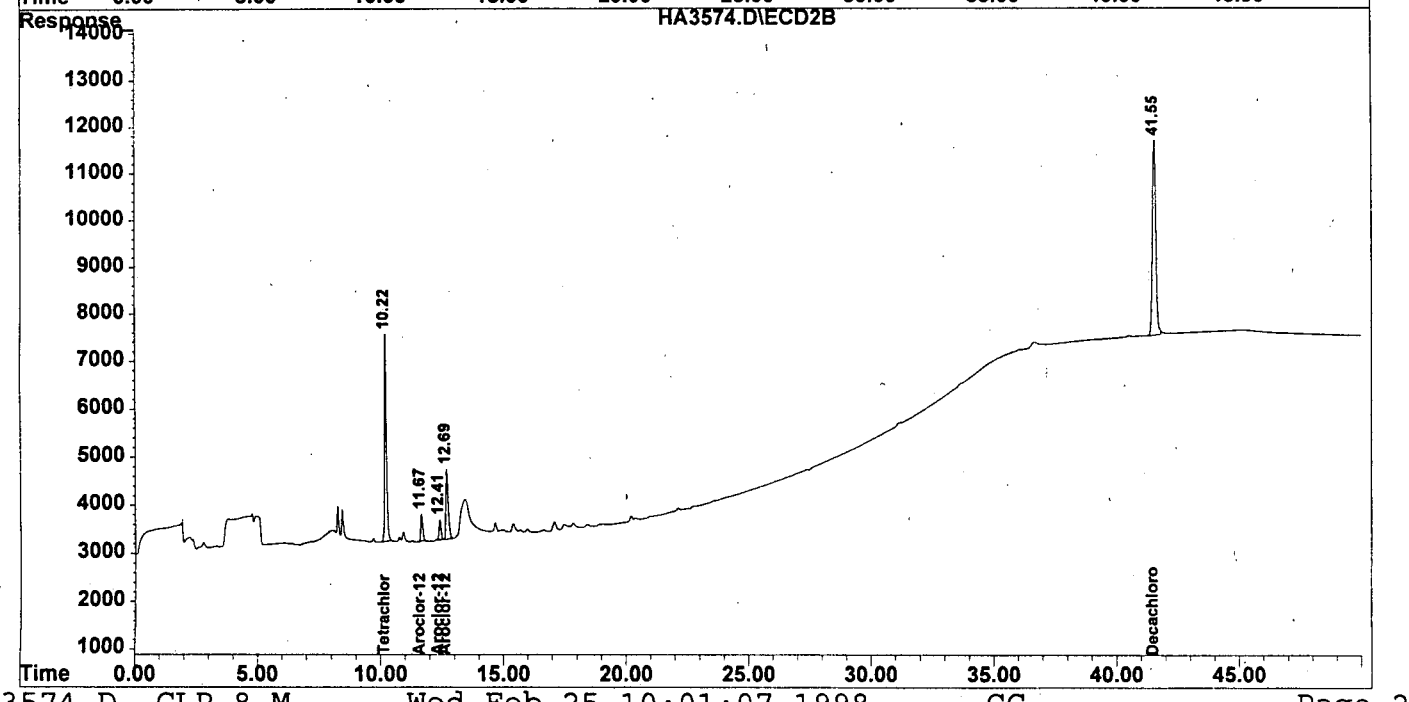
Vial: 4
Operator:
Inst : GC_5890_8
Multiplr: 1.00

IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:47 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50
Signal #1 Info : 0.53mm
Signal #2 Phase : RTx-1701
Signal #2 Info : 0.53mm

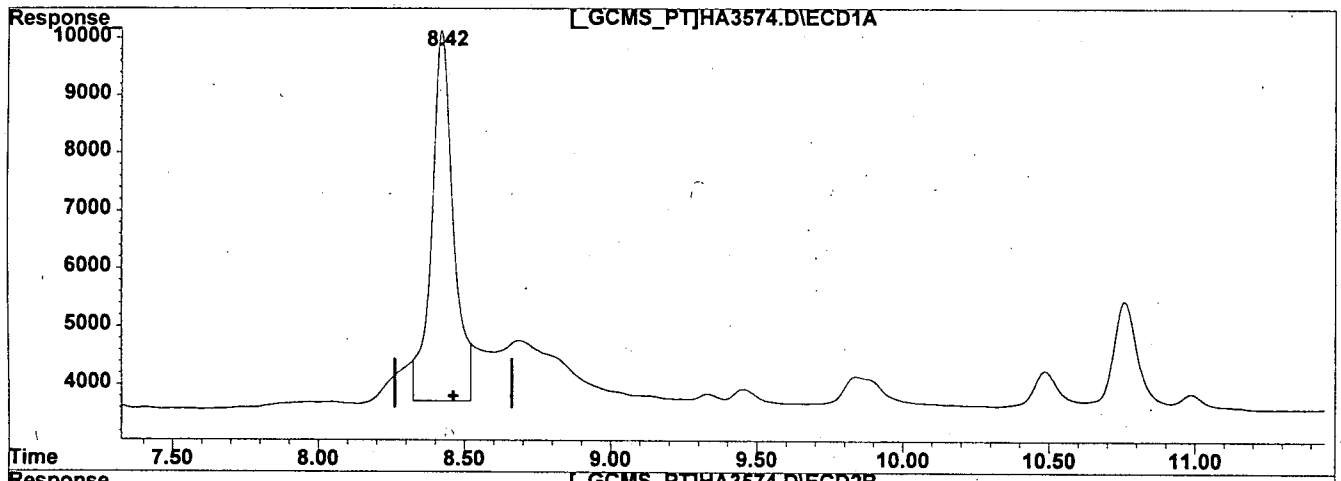


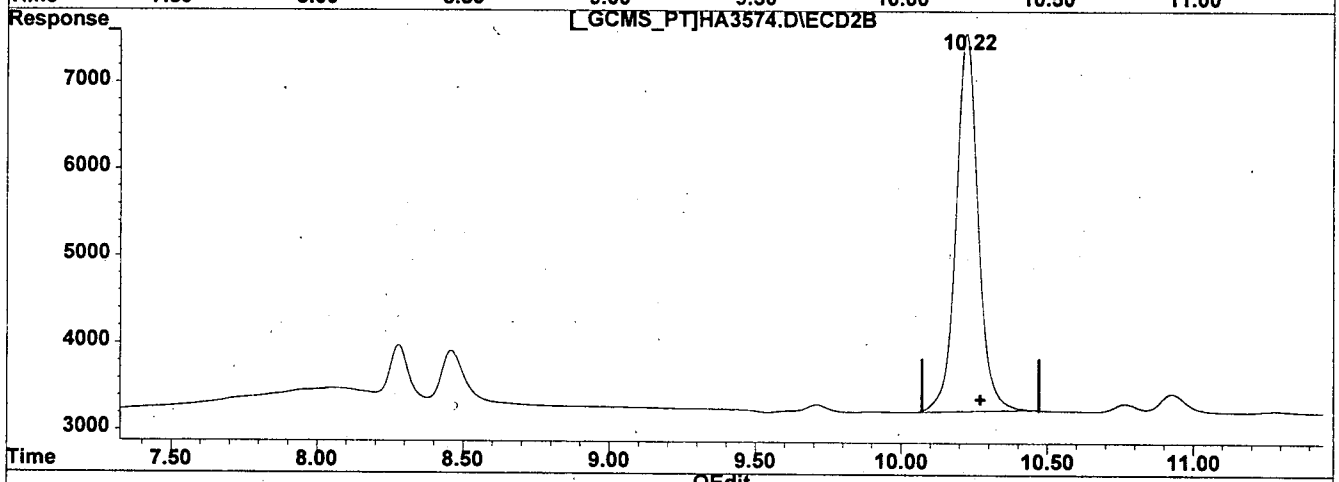


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3574.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_H\HA3574.D\ECD2B.CH
Acq On : 25 Mar 98 1:34 Operator:
Sample : AR122101 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:47 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.42min 22.938ng/ml m

response 329350

(1) Tetrachloro-m-xylene #2 (SA)

10.22min 16.845ng/ml

response 226328

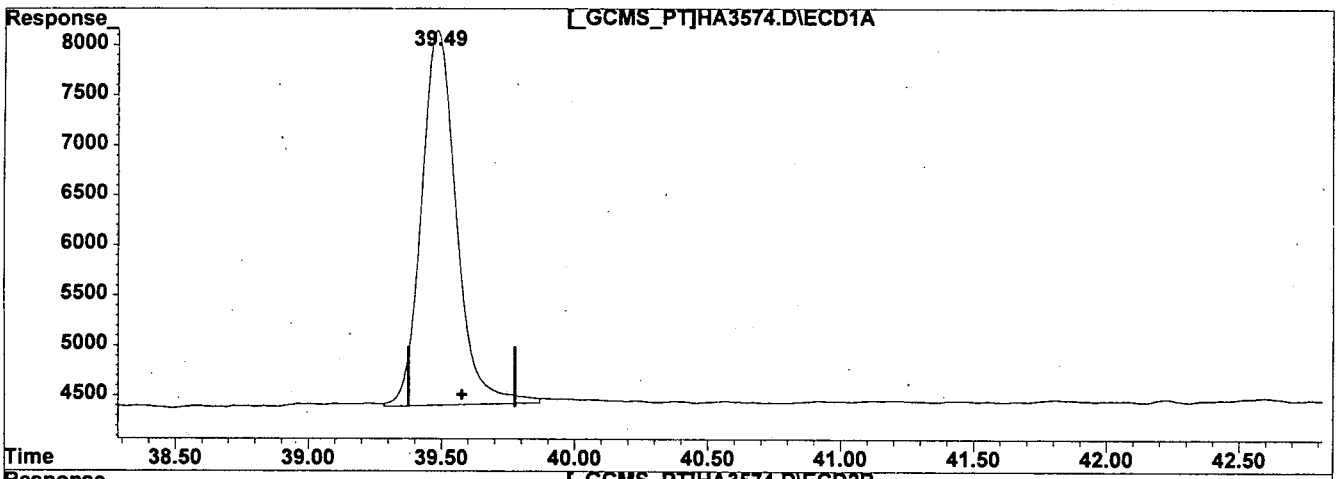
(+) = Expected Retention Time

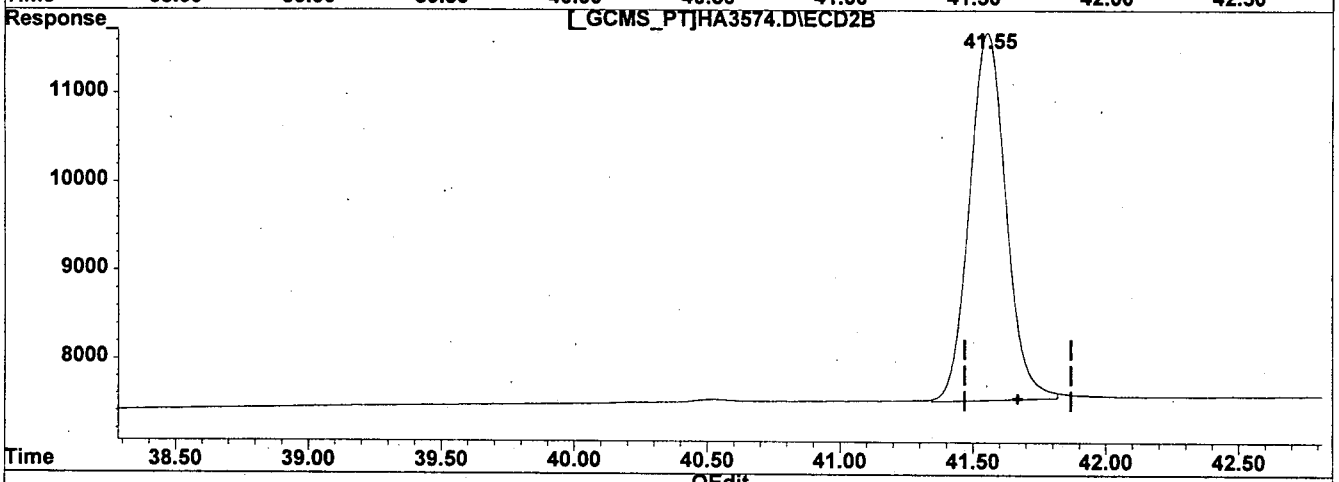
HA3574.D CLP_8.M Wed Feb 25 10:05:19 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3574.D\ECD1A.CH Vial: 4
Signal #2 : F:\1\DATA_H\HA3574.D\ECD2B.CH
Acq On : 25 Mar 98 1:34 Operator:
Sample : AR122101 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:47 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 17.708ng/ml m

response 341954

(22) Decachlorobiphenyl #2 (SA)

41.55min 15.103ng/ml m

response 397435

(+) = Expected Retention Time

HA3574.D CLP_8.M Wed Feb 25 10:05:23 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3575.D\ECD1A.CH Vial: 5
Signal #2 : F:\1\DATA_H\HA3575.D\ECD2B.CH
Acq On : 25 Mar 98 2:28 Operator:
Sample : AR123201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:49 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	334032	220967	23.264m	16.446 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					58.16%#	41.12%#
2) SA Decachlorobiphen	39.49	41.55f	344729	407682	17.852m	15.493m
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.63%#	38.73%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
31) L3 Aroclor-1232{1}	10.76	8.46f	40154	14152	104.476	104.289m
32) L3 Aroclor-1232{2}	12.71	12.70	37152	35327	88.707	95.409
33) L3 Aroclor-1232{3}	14.64	14.67	70929	33167	104.314	100.182
34) L3 Aroclor-1232{4}	15.42	17.08	18897	61583	93.781	92.361
Sum Aroclor-1232			167133	144229	391.277	392.240
Average Aroclor-1232					97.819	98.060
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

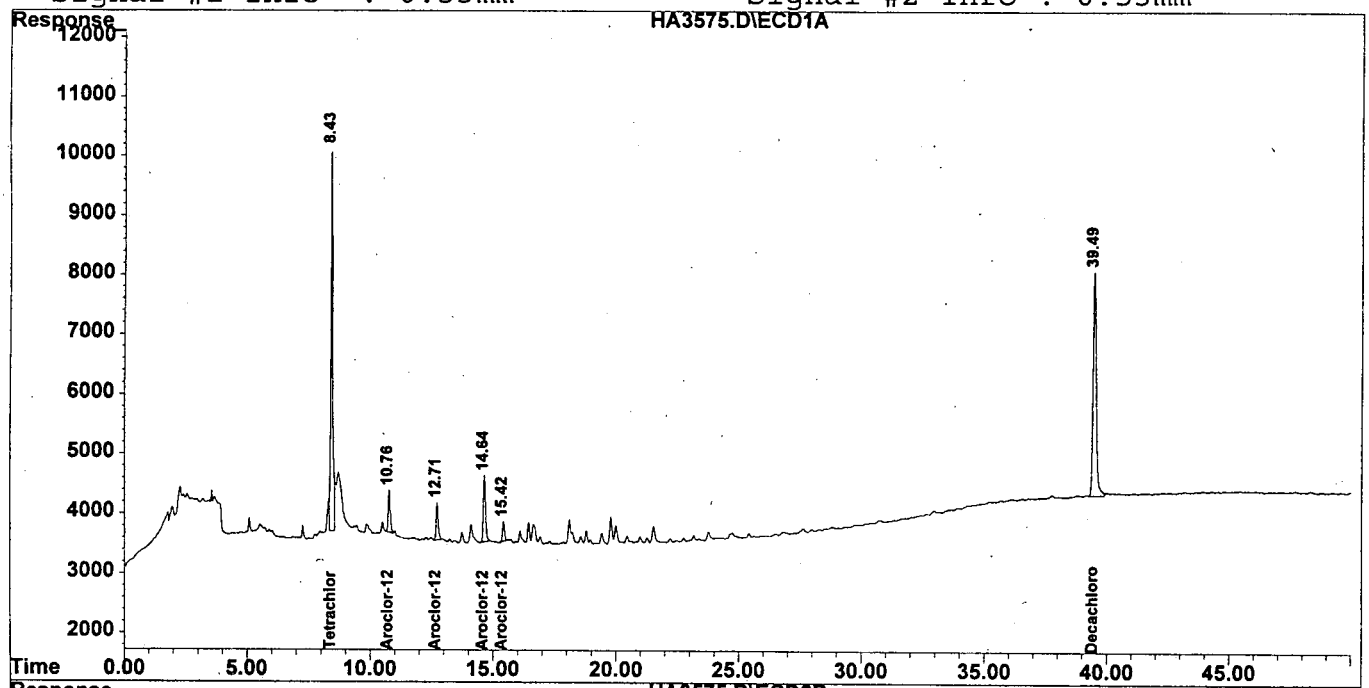
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

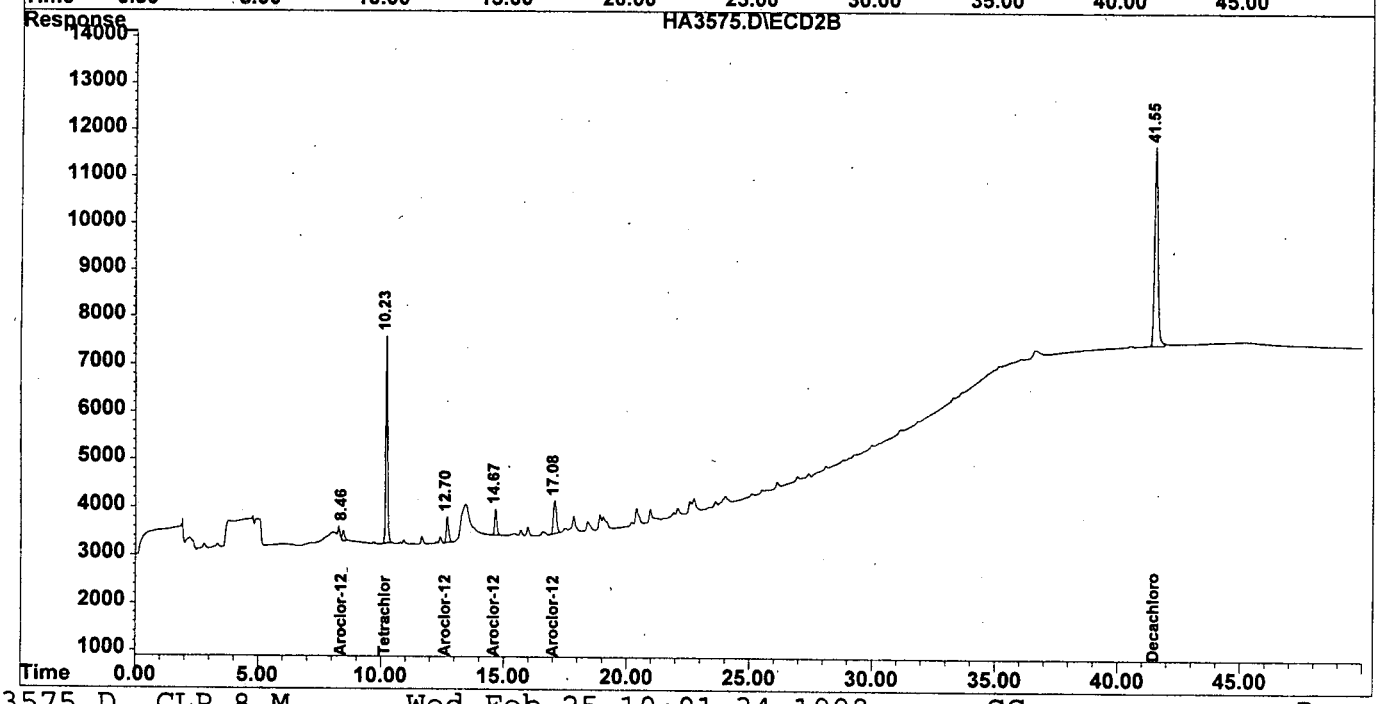
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3575.D\ECD1A.CH Vial: 5
Signal #2 : F:\1\DATA_H\HA3575.D\ECD2B.CH
Acq On : 25 Mar 98 2:28 Operator:
Sample : AR123201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:49 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

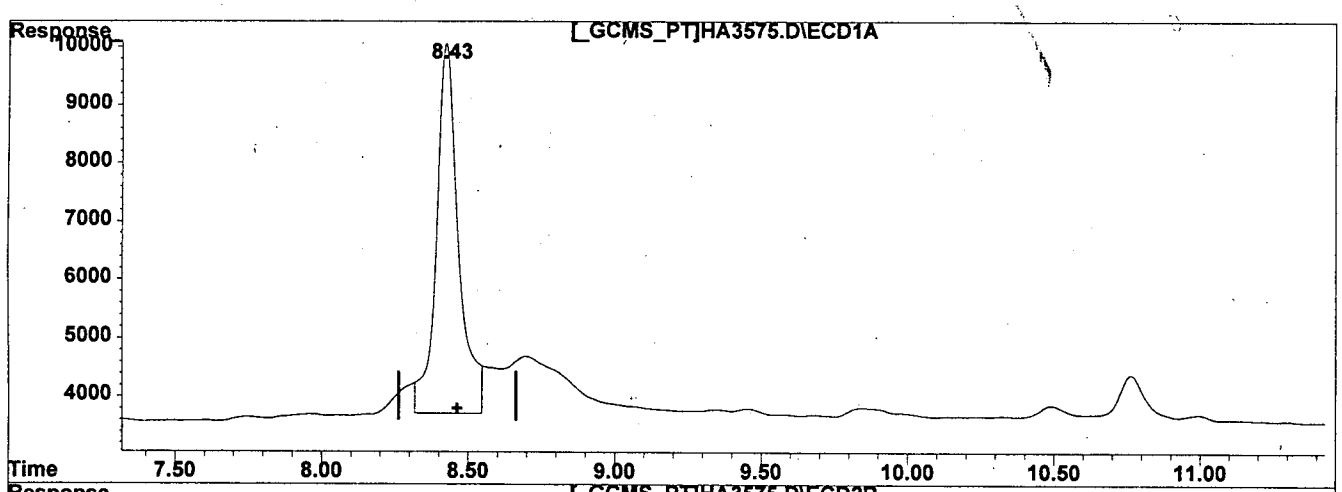


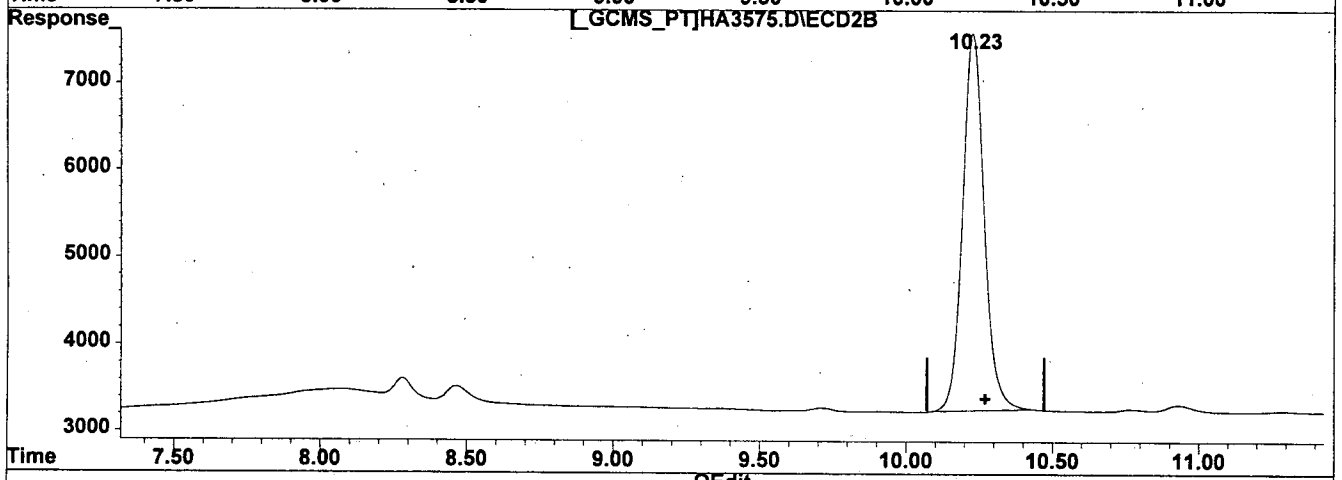


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3575.D\ECD1A.CH Vial: 5
Signal #2 : F:\1\DATA_H\HA3575.D\ECD2B.CH
Acq On - : 25 Mar 98 2:28 Operator:
Sample : AR123201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:49 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 23.264ng/ml m

response 334032

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 16.446ng/ml

response 220967

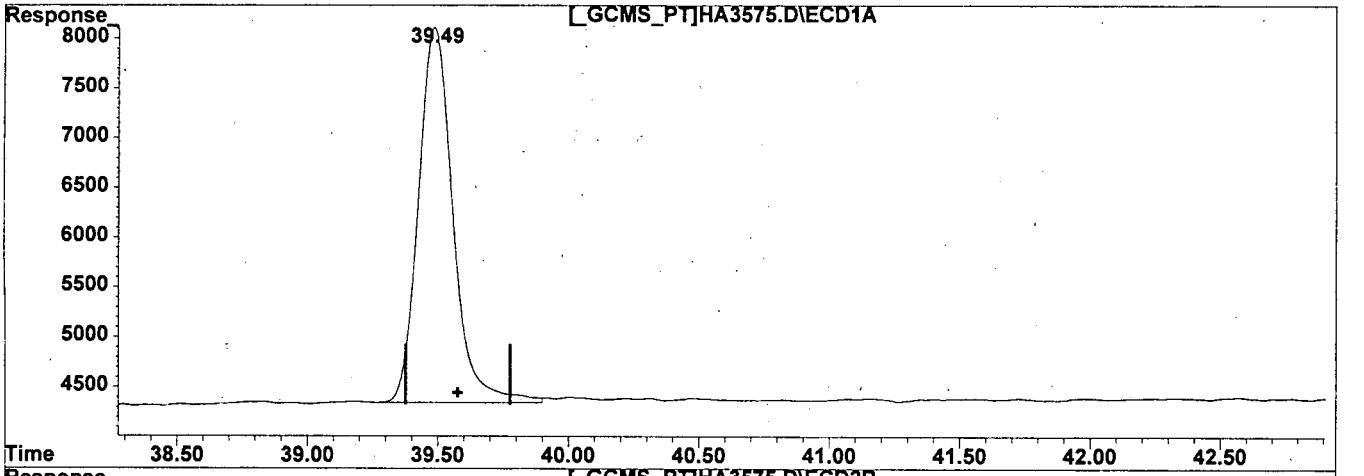
(+) = Expected Retention Time

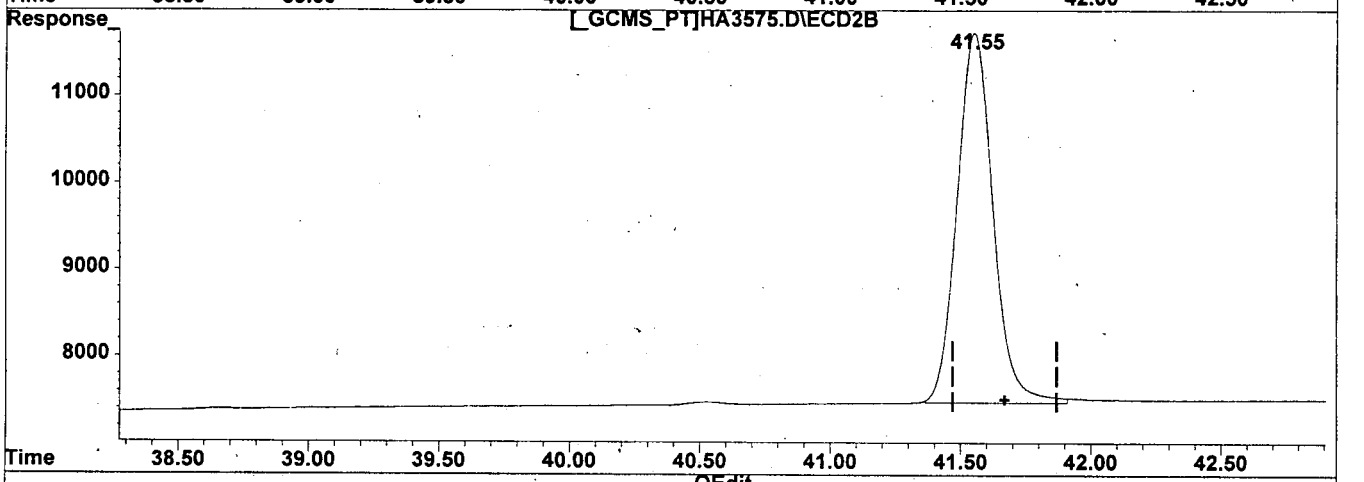
HA3575.D CLP_8.M Wed Feb 25 10:05:47 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3575.D\ECD1A.CH Vial: 5
Signal #2 : F:\1\DATA_H\HA3575.D\ECD2B.CH
Acq On : 25 Mar 98 2:28 Operator:
Sample : AR123201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:49 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 17.852ng/ml m

response 344729

(22) Decachlorobiphenyl #2 (SA)

41.55min 15.493ng/ml m

response 407682

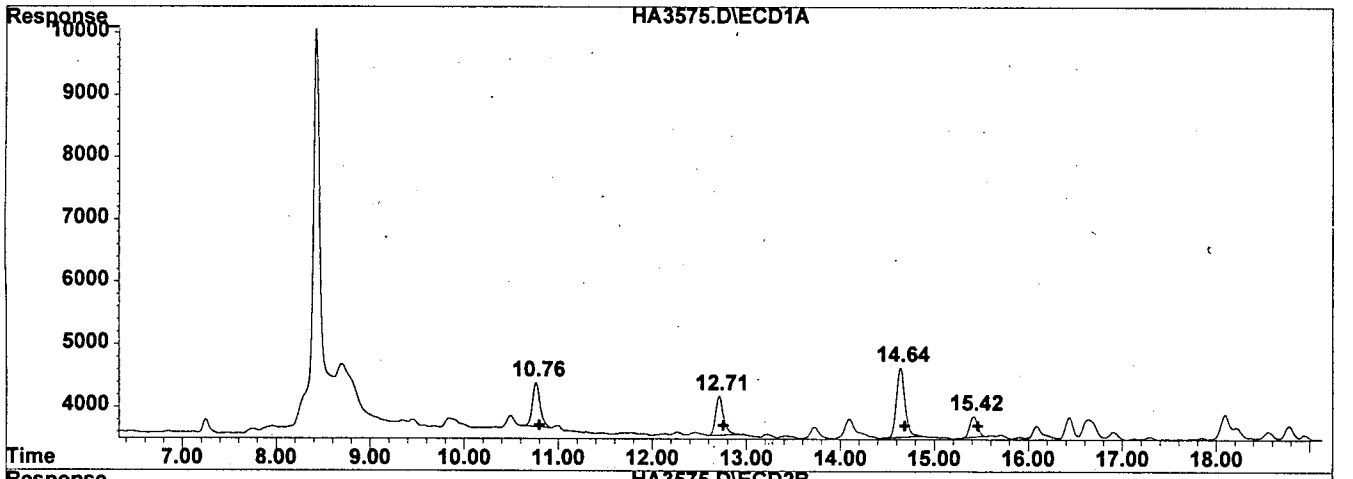
(+) = Expected Retention Time

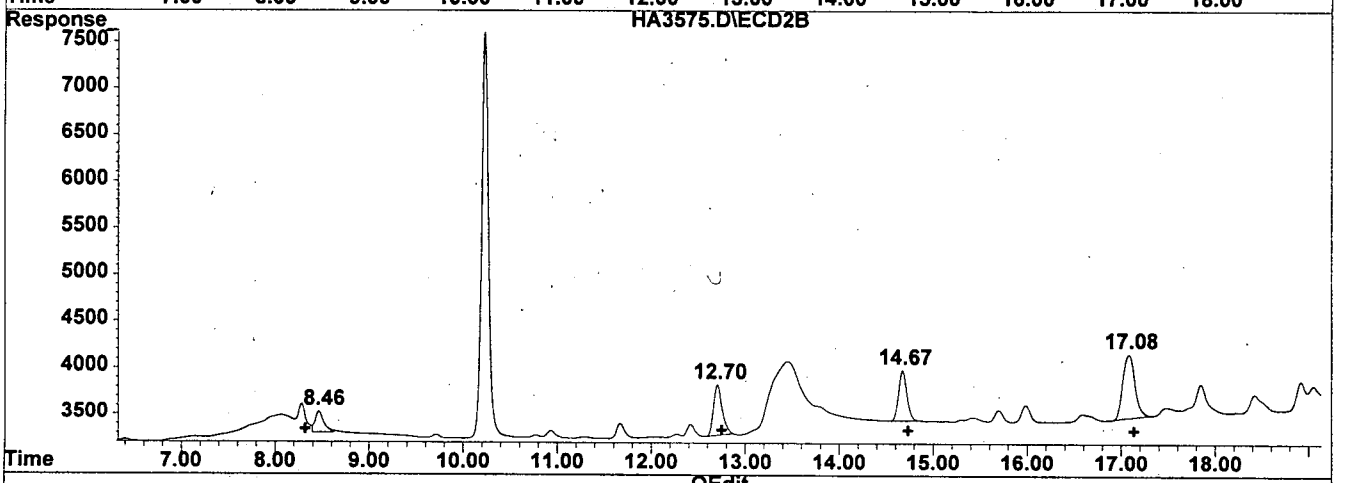
HA3575.D CLP_8.M Wed Feb 25 10:05:52 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3575.D\ECD1A.CH Vial: 5
Signal #2 : F:\1\DATA_H\HA3575.D\ECD2B.CH
Acq On : 25 Mar 98 2:28 Operator:
Sample : AR123201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:49 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(31) Aroclor-1232{1} (L3)

R.T.	Response	Conc
10.76	40154	104.48
12.71	37152	88.71
14.64	70929	104.31
15.42	18897	93.78

(31) Aroclor-1232{1} #2 (L3)

R.T.	Response	Conc
8.46	14152	104.29
12.70	35327	95.41
14.67	33167	100.18
17.08	61583	92.36

(+) = Expected Retention Time

HA3575.D CLP_8.M Wed Feb 25 10:06:34 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3576.D\ECD1A.CH Vial: 6
Signal #2 : F:\1\DATA_H\HA3576.D\ECD2B.CH
Acq On : 25 Mar 98 3:22 Operator:
Sample : AR124201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:52 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	338663	226324	23.586m	16.845 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					58.97%#	42.11%#
2) SA Decachlorobiphen	39.49	41.55f	345804	420371	17.908m	15.975m
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.77%#	39.94%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
35) L4 Aroclor-1242{1}	10.76	12.70	25085	21282	112.425	99.078m
36) L4 Aroclor-1242{2}	12.71	14.67	46417	42390	99.154	102.596
37) L4 Aroclor-1242{3}	14.64	17.08	101983	75397	117.906	93.793
38) L4 Aroclor-1242{4}	15.42	17.84	27685	30044	111.567	85.029m
39) L4 Aroclor-1242{5}	18.09	20.42	31230	36888	95.109m	91.742
Sum Aroclor-1242			232399	206000	536.162	472.239
Average Aroclor-1242					107.232	94.448
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

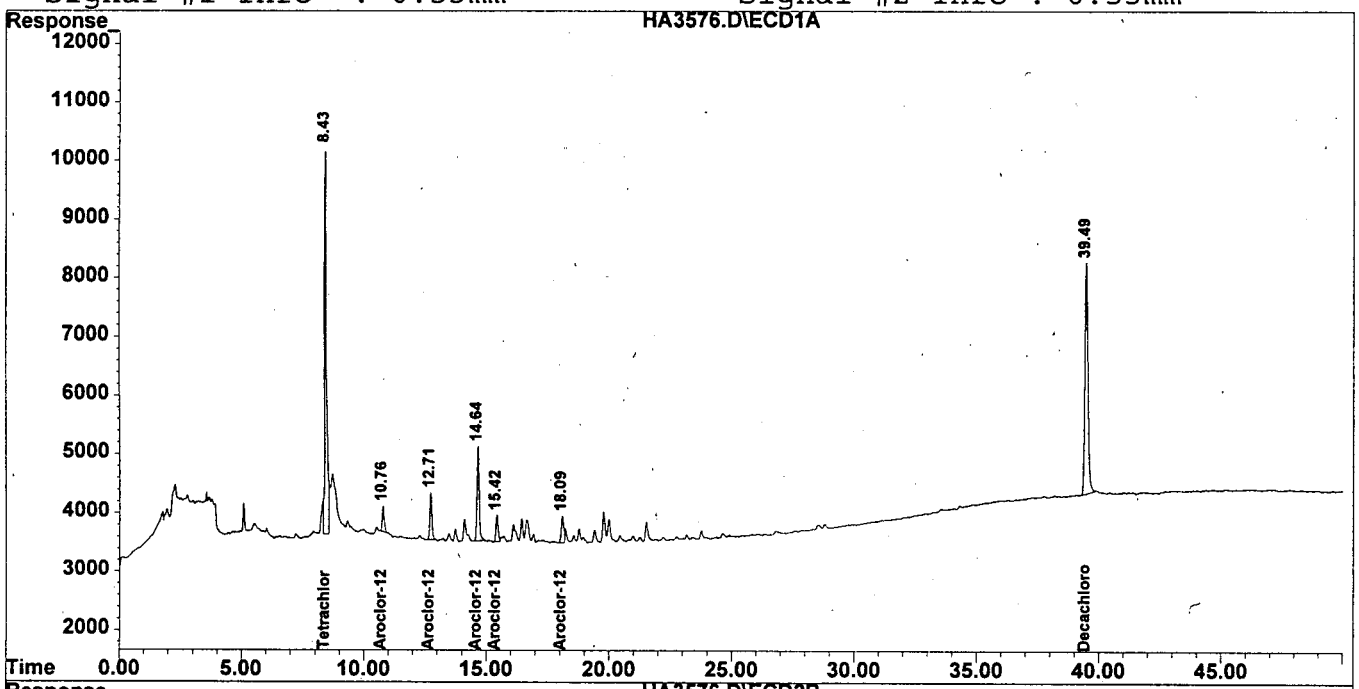
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

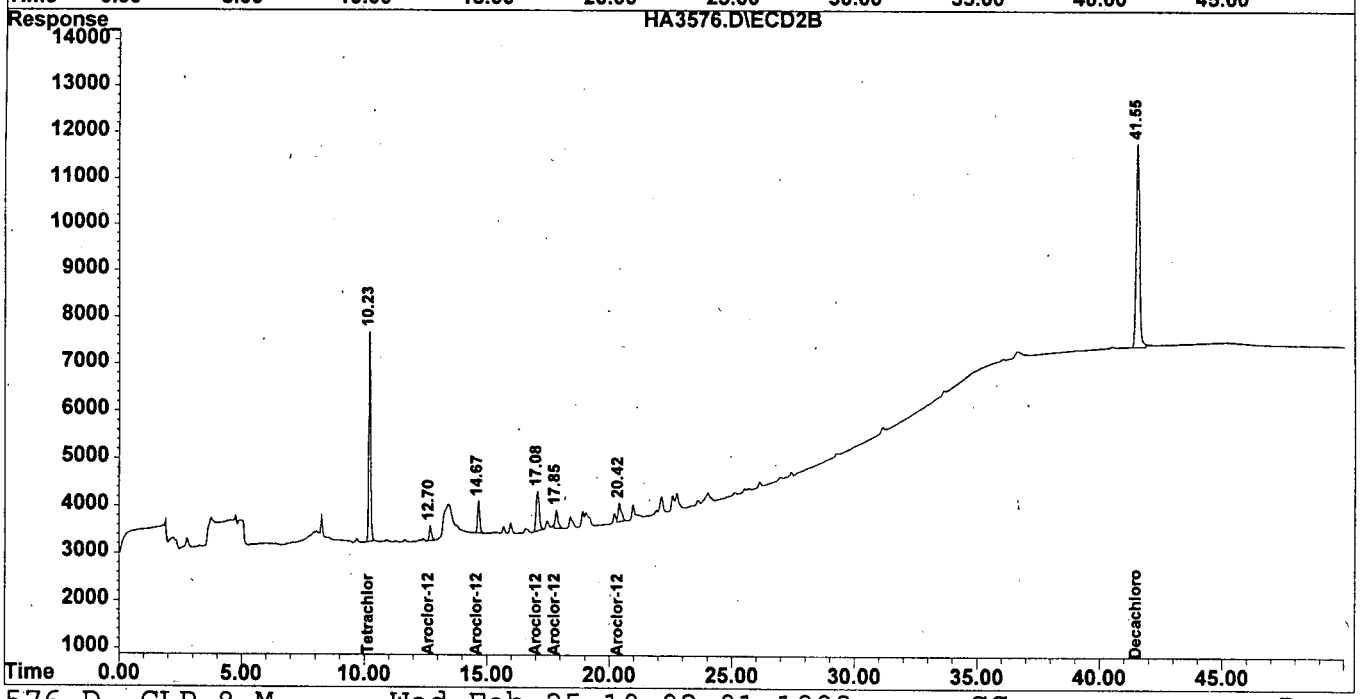
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3576.D\ECD1A.CH Vial: 6
Signal #2 : F:\1\DATA_H\HA3576.D\ECD2B.CH
Acq On : 25 Mar 98 3:22 Operator:
Sample : AR124201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:52 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

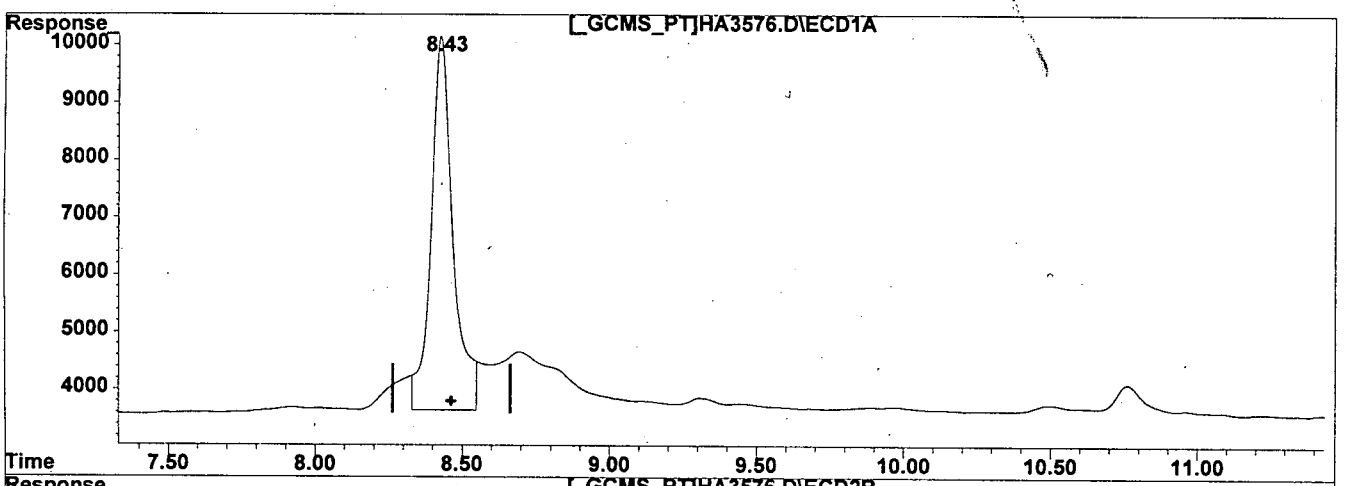


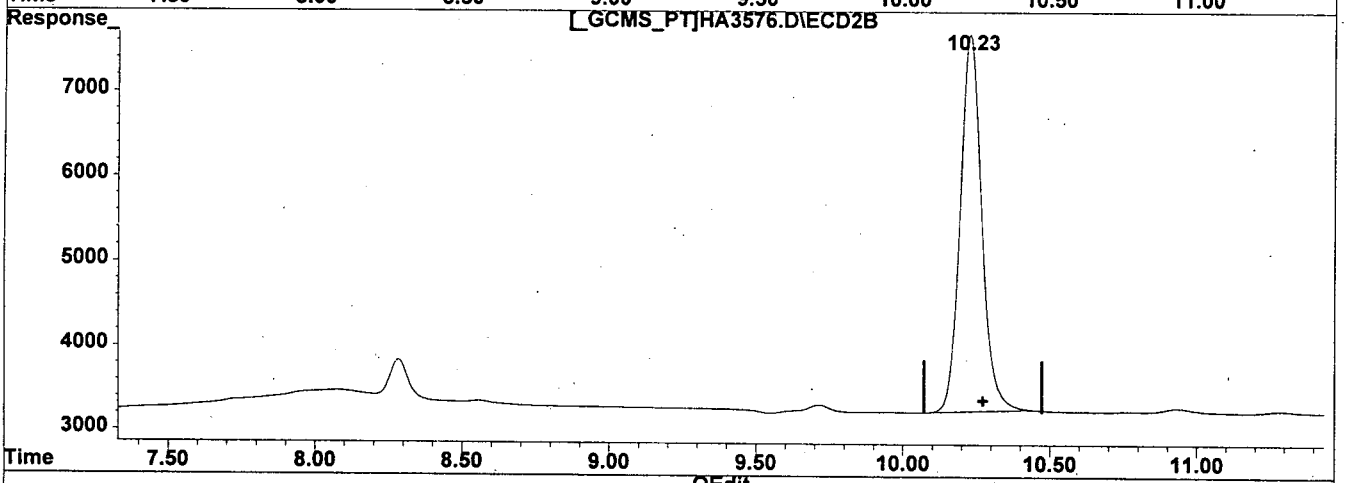


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3576.D\ECD1A.CH Vial: 6
Signal #2 : F:\1\DATA_H\HA3576.D\ECD2B.CH
Acq On : 25 Mar 98 3:22 Operator:
Sample : AR124201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:52 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 23.586ng/ml m

response 338663

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 16.845ng/ml

response 226324

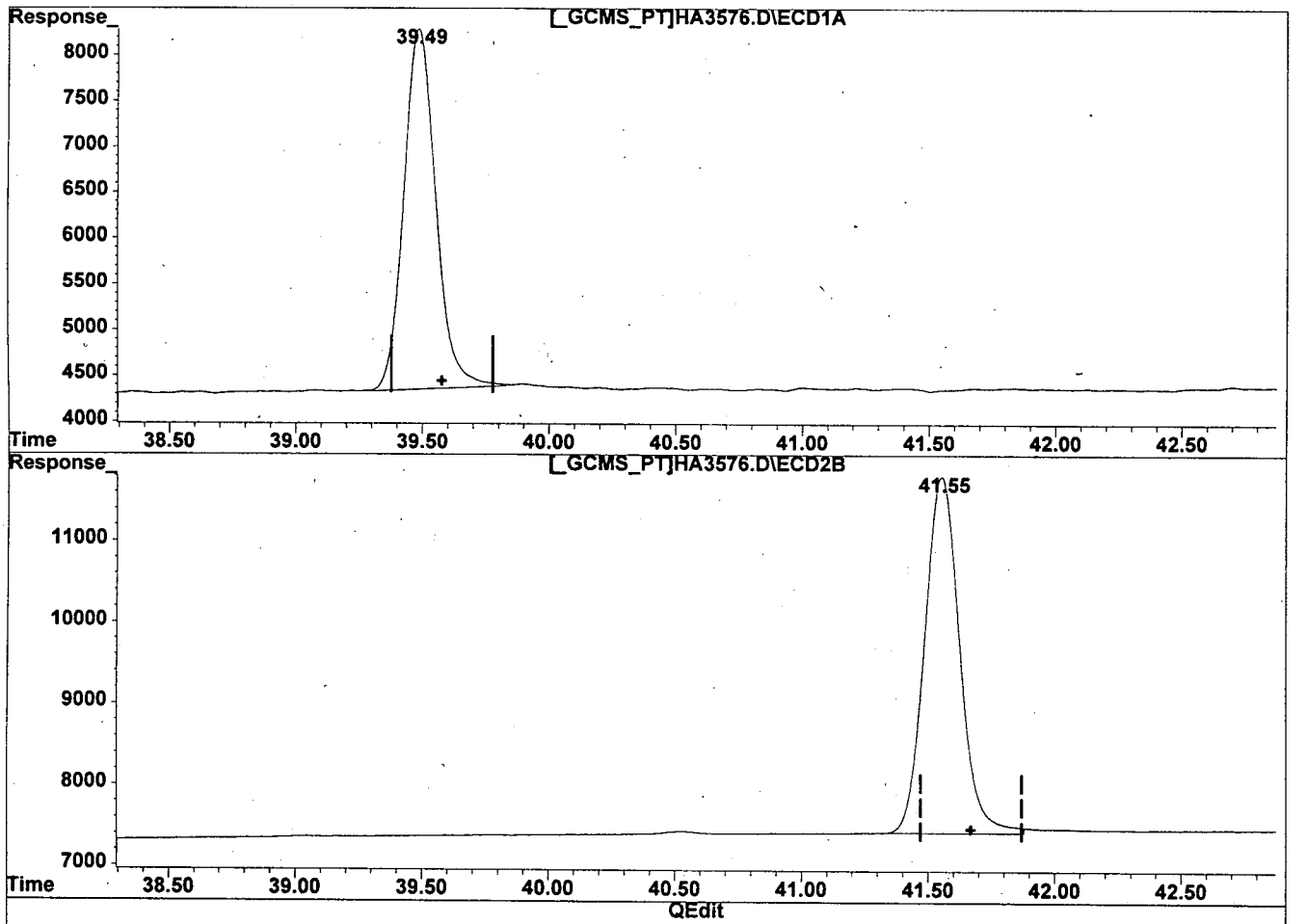
(+) = Expected Retention Time

HA3576.D CLP_8.M Wed Feb 25 10:06:54 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3576.D\ECD1A.CH Vial: 6
Signal #2 : F:\1\DATA_H\HA3576.D\ECD2B.CH
Acq On : 25 Mar 98 3:22 Operator:
Sample : AR124201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:52 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



QEdit

(22) Decachlorobiphenyl (SA)

39.49min 17.908ng/ml m

response 345804

(22) Decachlorobiphenyl #2 (SA)

41.55min 15.975ng/ml m

response 420371

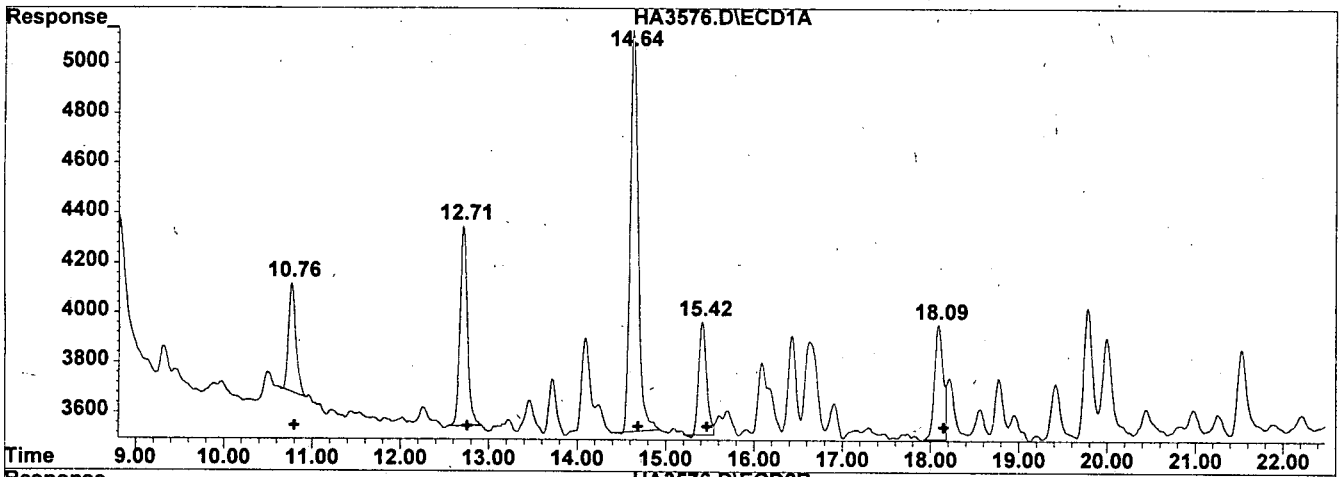
(+) = Expected Retention Time

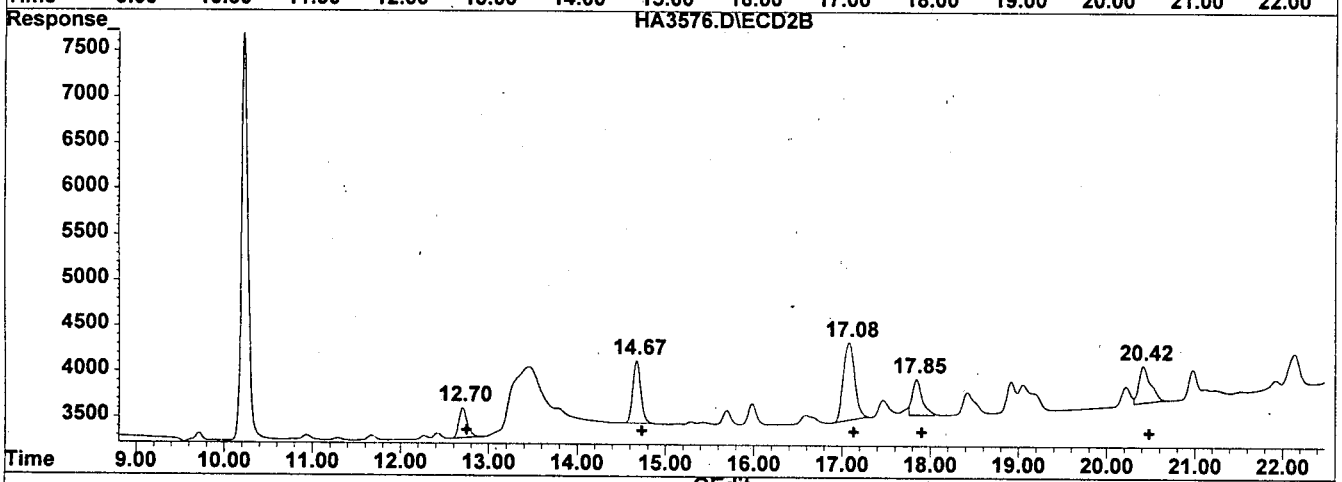
HA3576.D CLP_8.M Wed Feb 25 10:06:59 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3576.D\ECD1A.CH Vial: 6
Signal #2 : F:\1\DATA_H\HA3576.D\ECD2B.CH
Acq On : 25 Mar 98 3:22 Operator:
Sample : AR124201 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:52 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(35) Aroclor-1242{1} (L4)

R.T.	Response	Conc
10.76	25085	112.43
12.71	46417	99.15
14.64	101983	117.91
15.42	27685	111.57
18.09	31230	95.11

(35) Aroclor-1242{1} #2 (L4)

R.T.	Response	Conc
12.70	21282	99.08
14.67	42390	102.60
17.08	75397	93.79
17.84	30044	85.03
20.42	36888	91.74

(+) = Expected Retention Time

HA3576.D CLP_8.M Wed Feb 25 10:07:09 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3577.D\ECD1A.CH Vial: 7
Signal #2 : F:\1\DATA_H\HA3577.D\ECD2B.CH
Acq On : 25 Mar 98 4:16 Operator:
Sample : AR124801 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:54 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	301111	219404	20.971m	16.330
Spiked Amount 40.000 Range 60 - 150 Recovery =					52.43%#	40.83%#
2) SA Decachlorobiphen	39.49	41.55f	347616	411417	18.002m	15.635m
Spiked Amount 40.000 Range 60 - 150 Recovery =					45.01%#	39.09%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
40) L5 Aroclor-1248{1}	12.71	14.67	29775	28157	97.406	99.410
41) L5 Aroclor-1248{2}	14.64	17.08	93256	83937	100.328	89.135
42) L5 Aroclor-1248{3}	16.43	18.92	48656	48084	99.958	93.444
43) L5 Aroclor-1248{4}	18.09	20.41	61800	76968	100.019	105.688m
44) L5 Aroclor-1248{5}	19.78	20.97	78533	49494	91.942	100.223m
Sum Aroclor-1248			312021	286640	489.655	487.900
Average Aroclor-1248					97.931	97.580
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

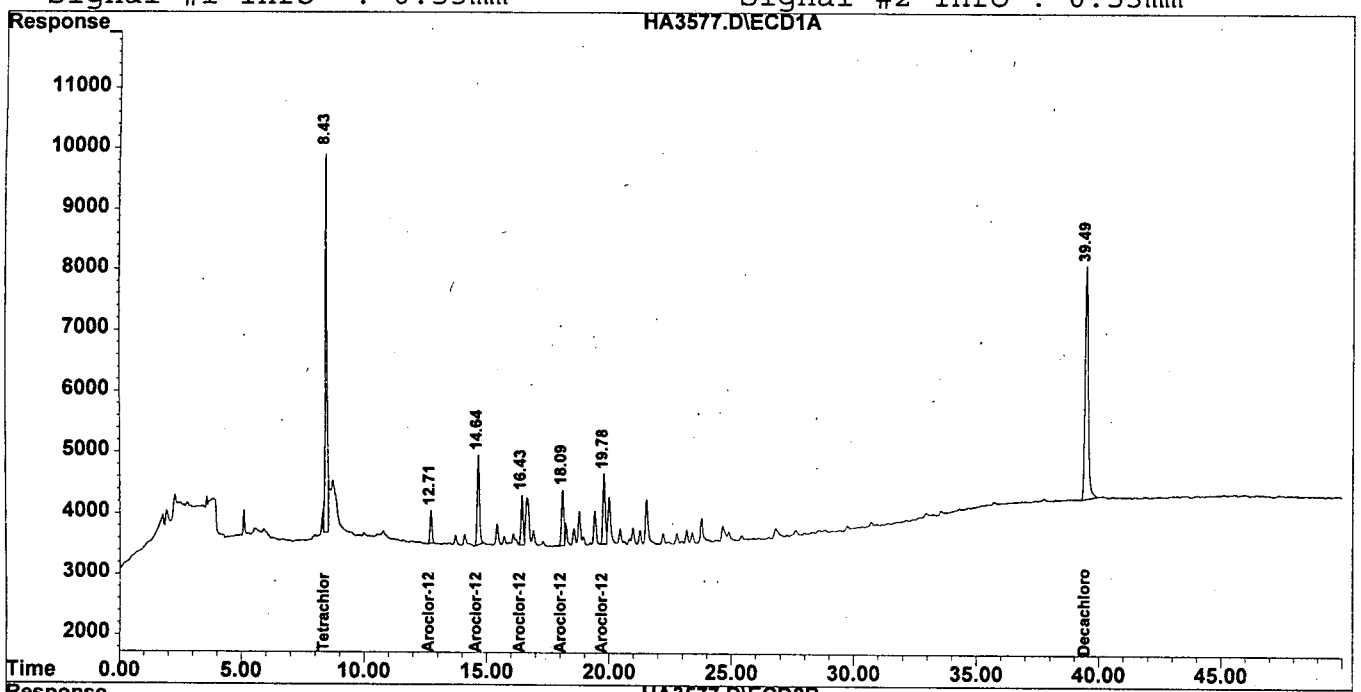
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

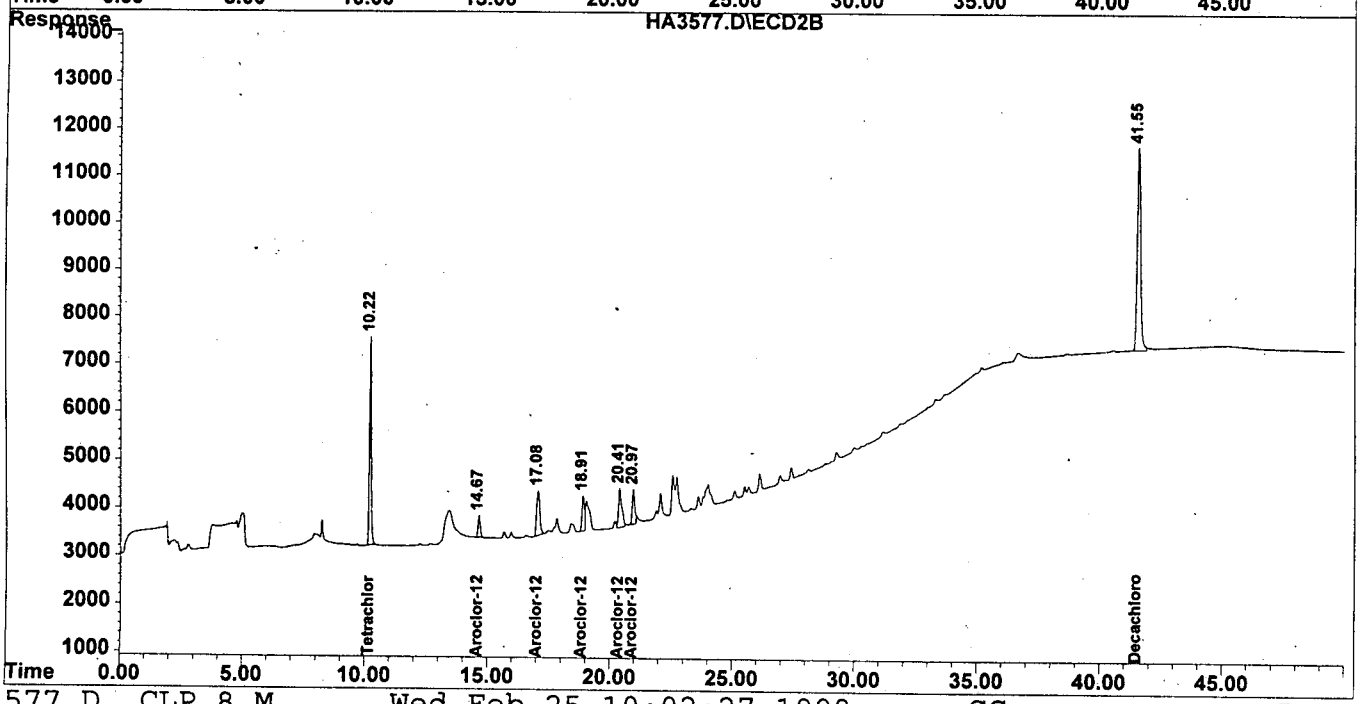
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3577.D\ECD1A.CH Vial: 7
Signal #2 : F:\1\DATA_H\HA3577.D\ECD2B.CH
Acq On : 25 Mar 98 4:16 Operator:
Sample : AR124801 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:54 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

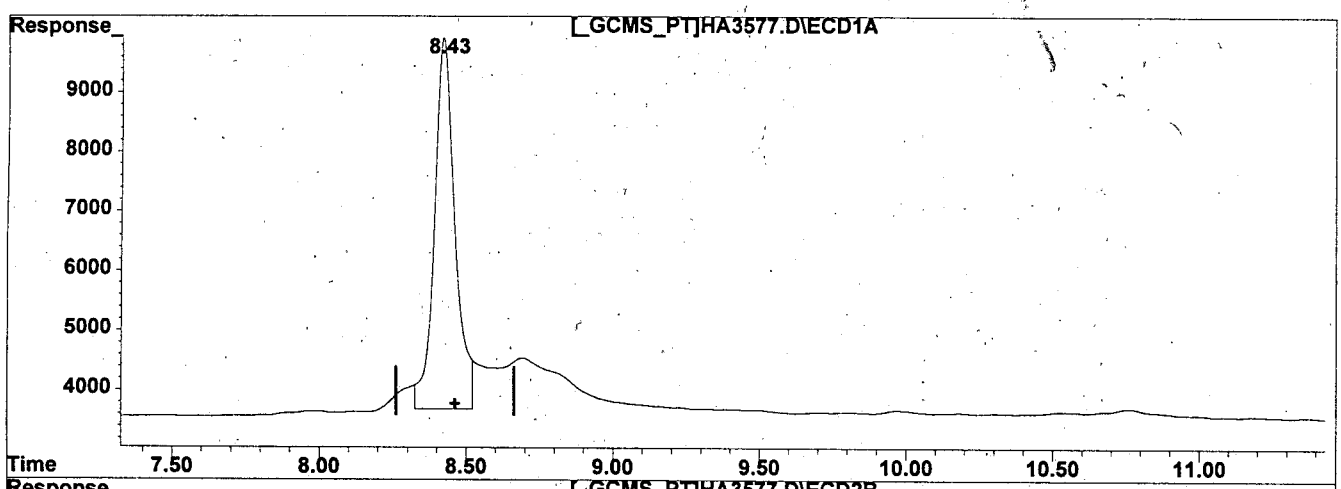


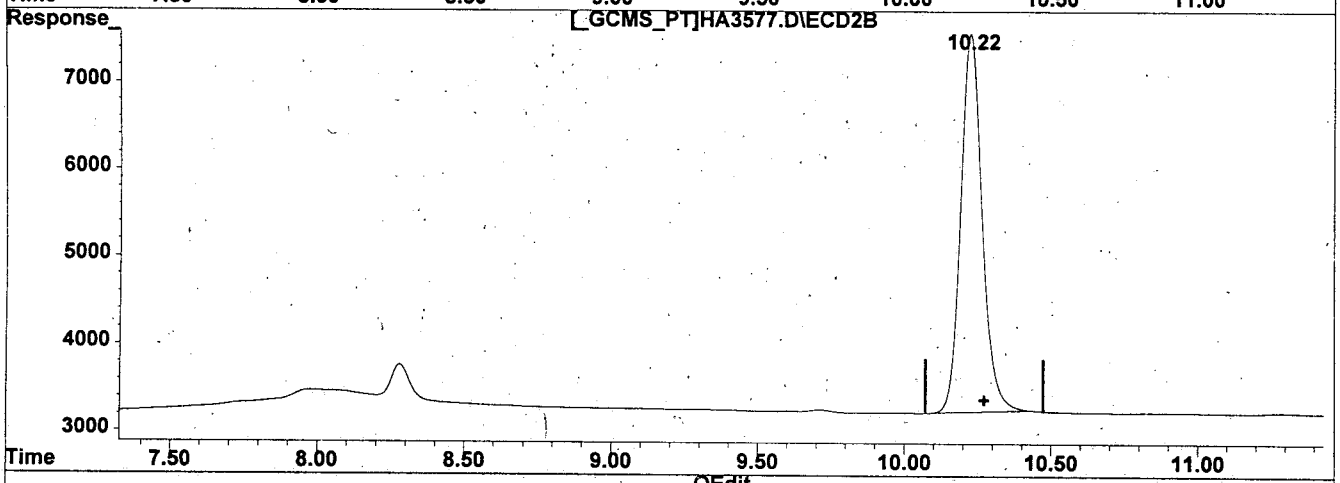


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3577.D\ECD1A.CH Vial: 7
Signal #2 : F:\1\DATA_H\HA3577.D\ECD2B.CH
Acq On : 25 Mar 98 4:16 Operator:
Sample : AR124801 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:54 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 20.971ng/ml m

response 301111

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 16.330ng/ml

response 219404

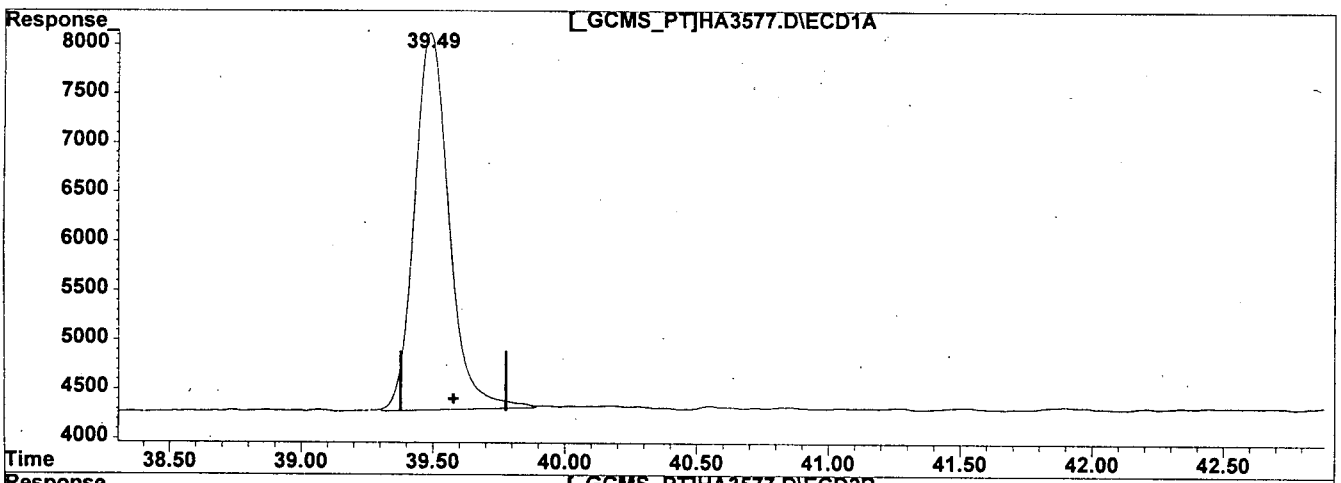
(+) = Expected Retention Time

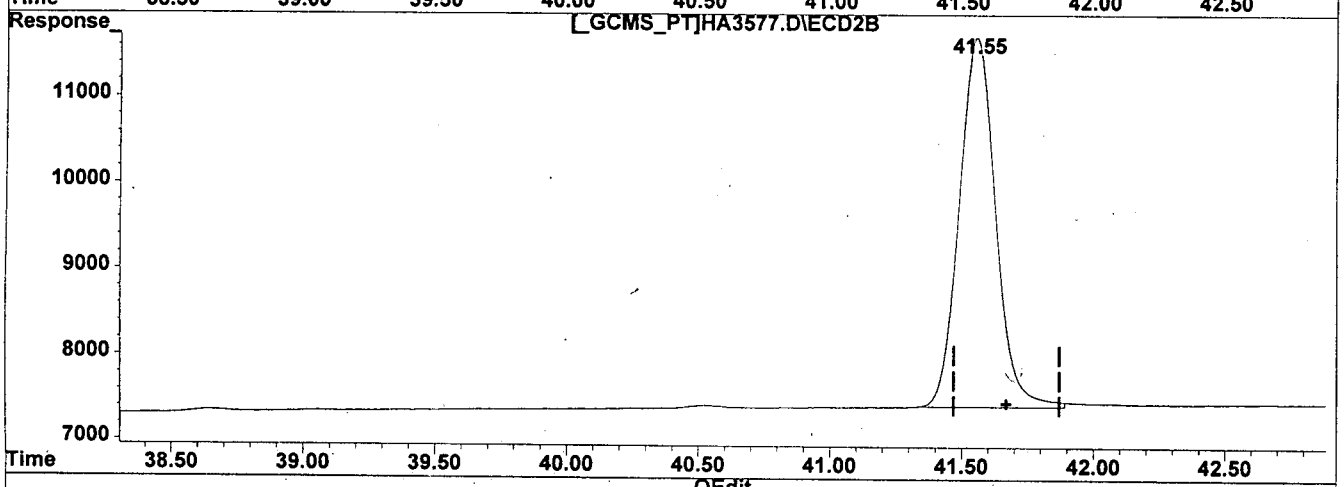
HA3577.D CLP_8.M Wed Feb 25 10:07:32 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3577.D\ECD1A.CH Vial: 7
Signal #2 : F:\1\DATA_H\HA3577.D\ECD2B.CH
Acq On : 25 Mar 98 4:16 Operator:
Sample : AR124801 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:54 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 18.002ng/ml m

response 347616

(22) Decachlorobiphenyl #2 (SA)

41.55min 15.635ng/ml m

response 411417

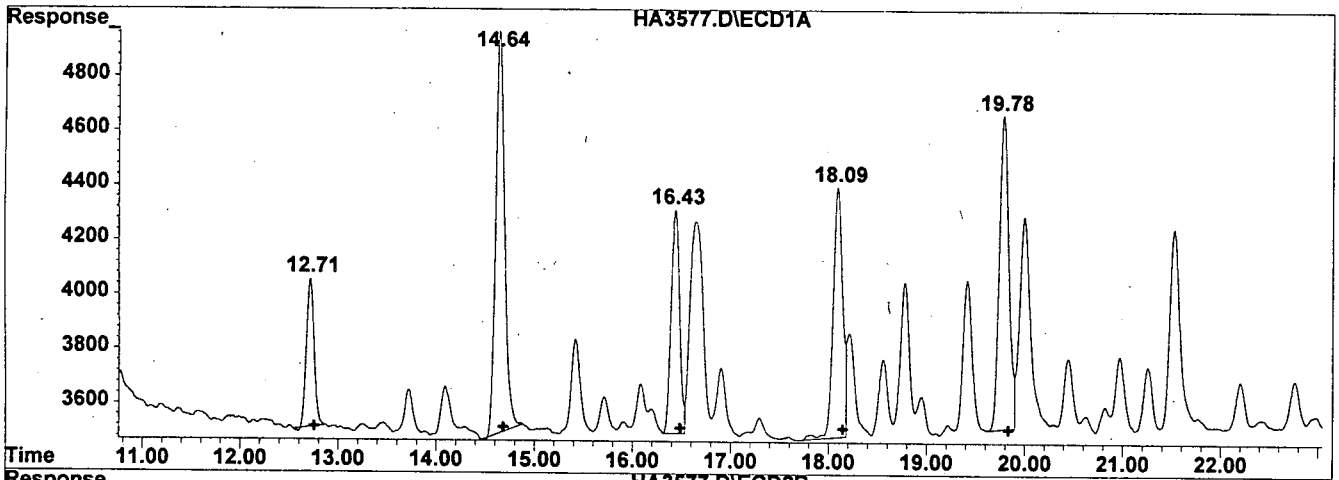
(+) = Expected Retention Time

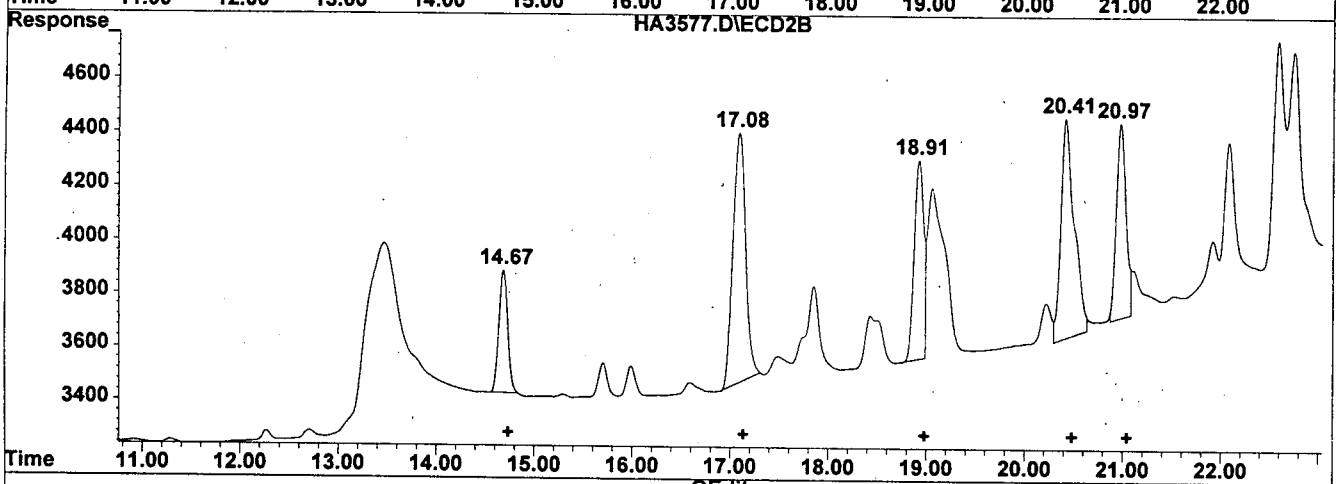
HA3577.D CLP_8.M Wed Feb 25 10:07:37 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3577.D\ECD1A.CH Vial: 7
Signal #2 : F:\1\DATA_H\HA3577.D\ECD2B.CH
Acq On : 25 Mar 98 4:16 Operator:
Sample : AR124801 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:54 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(40) Aroclor-1248{1} (L5)

R.T.	Response	Conc
12.71	29775	97.41
14.64	93256	100.33
16.43	48656	99.96
18.09	61800	100.02
19.78	78533	91.94

(40) Aroclor-1248{1} #2 (L5)

R.T.	Response	Conc
14.67	28157	99.41
17.08	83937	89.14
18.92	48084	93.44
20.41	76968	105.69
20.97	49494	100.22

(+) = Expected Retention Time

HA3577.D CLP_8.M Wed Feb 25 10:07:46 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3578.D\ECD1A.CH Vial: 8
Signal #2 : F:\1\DATA_H\HA3578.D\ECD2B.CH
Acq On : 25 Mar 98 5:10 Operator:
Sample : AR125401 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:57 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.22	296492	220229	20.649m	16.391 no ZNS 0.01
Spiked Amount 40.000 Range 60 - 150 Recovery =					51.62%#	40.98%#
2) SA Decachlorobiphen	39.48	41.55f	341803	416363	17.701m	15.823m
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.25%#	39.56%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
45) L6 Aroclor-1254{1}	20.45	22.66	72005	89896	105.758	98.579m 0.10
46) L6 Aroclor-1254{2}	20.97	23.63	92756	84324	108.393	95.649m
47) L6 Aroclor-1254{3}	23.77	26.13	104804	105072	101.710m	101.704m
48) L6 Aroclor-1254{4}	26.89	28.12	72629	53194	103.531	104.427m
49) L6 Aroclor-1254{5}	27.62	29.98	118662	99792	108.175	96.150m
Sum Aroclor-1254			460855	432278	527.567	496.509
Average Aroclor-1254					105.513	99.302
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

2/25/98

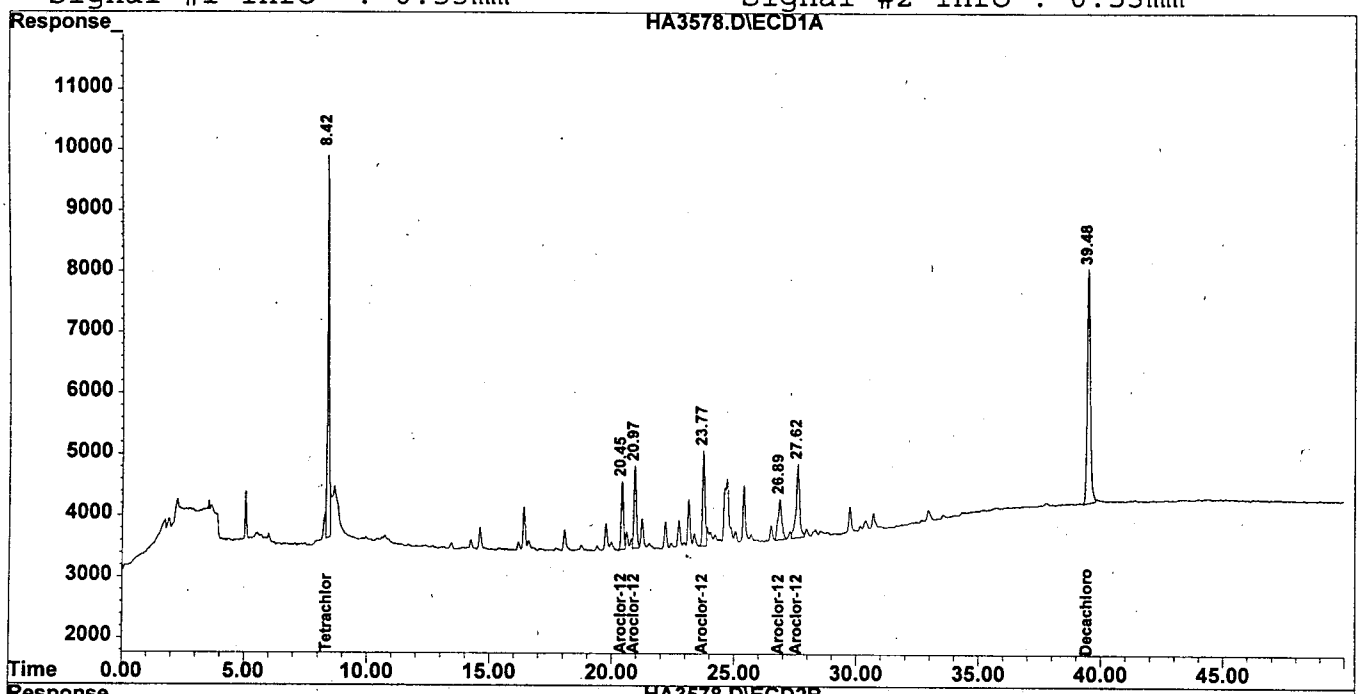
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

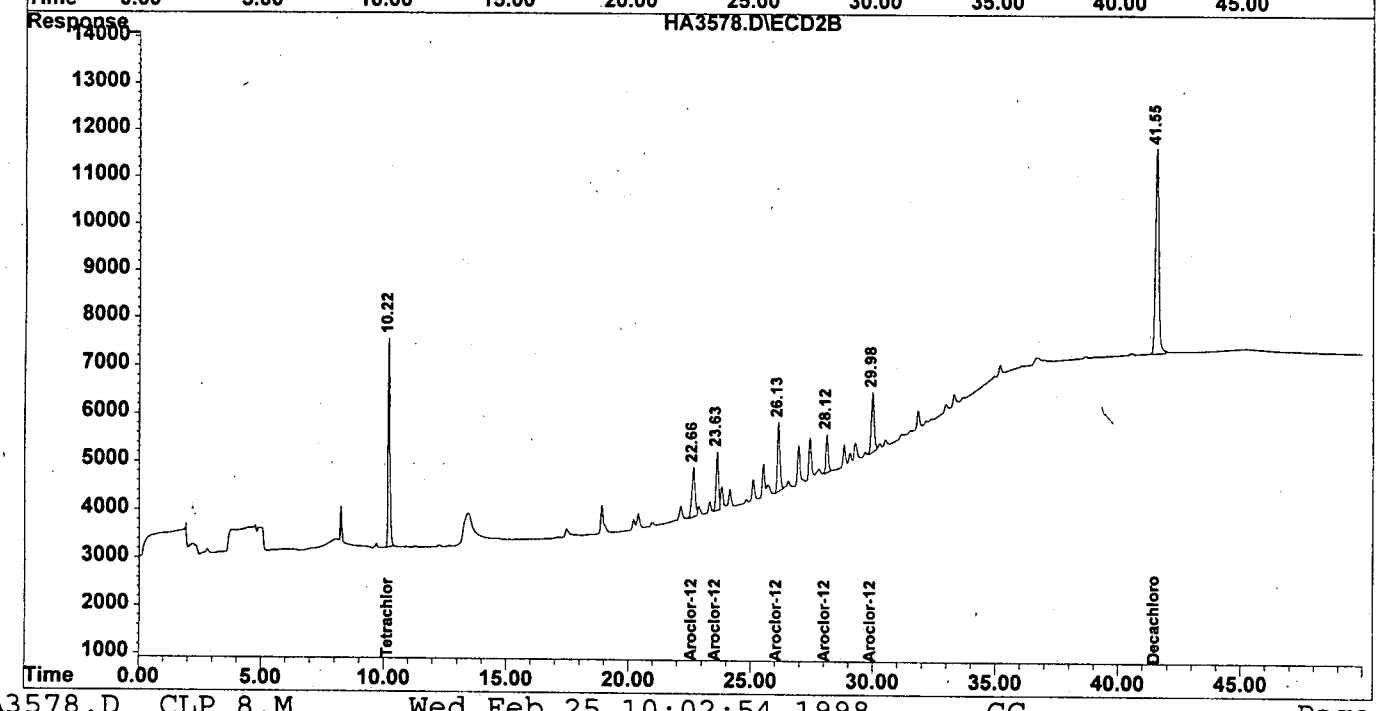
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3578.D\ECD1A.CH Vial: 8
Signal #2 : F:\1\DATA_H\HA3578.D\ECD2B.CH
Acq On : 25 Mar 98 5:10 Operator:
Sample : AR125401 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:57 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

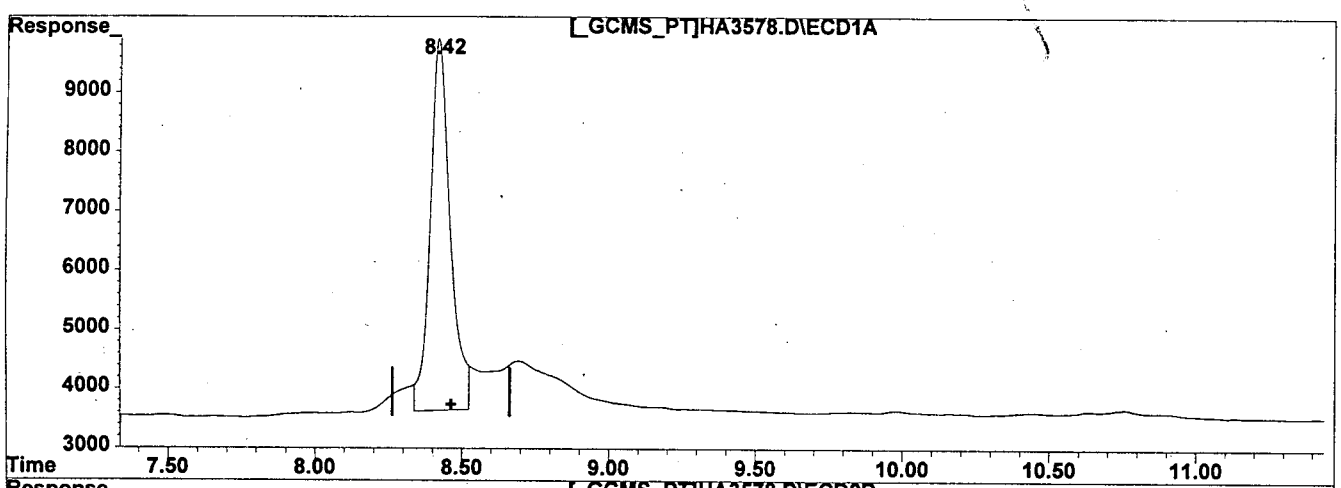


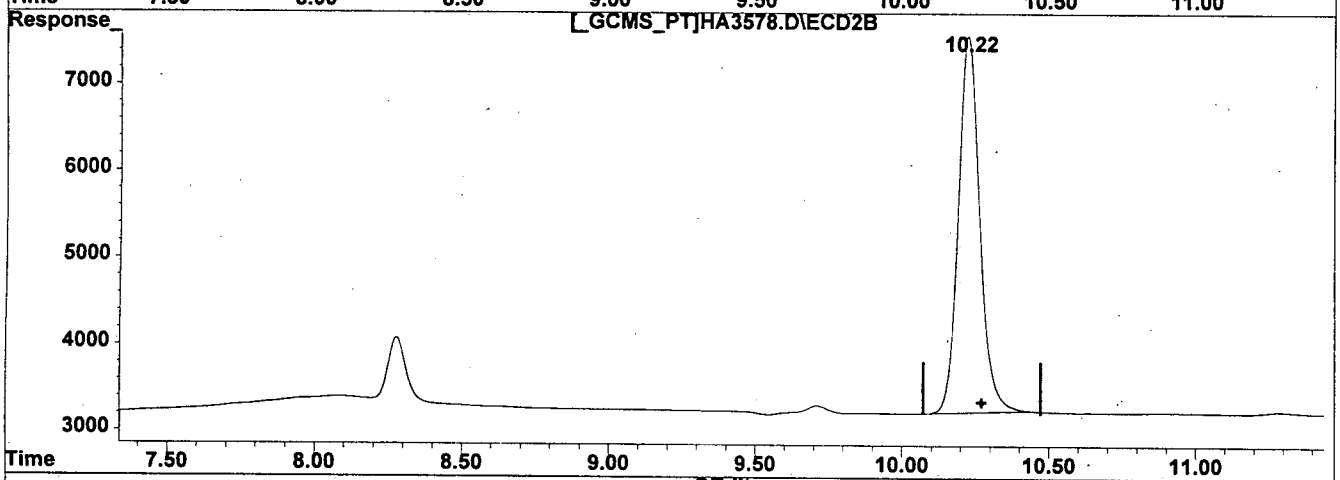


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3578.D\ECD1A.CH Vial: 8
Signal #2 : F:\1\DATA_H\HA3578.D\ECD2B.CH
Acq On : 25 Mar 98 5:10 Operator:
Sample : AR125401 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:57 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.42min 20.649ng/ml m

response 296492

(1) Tetrachloro-m-xylene #2 (SA)

10.22min 16.391ng/ml

response 220229

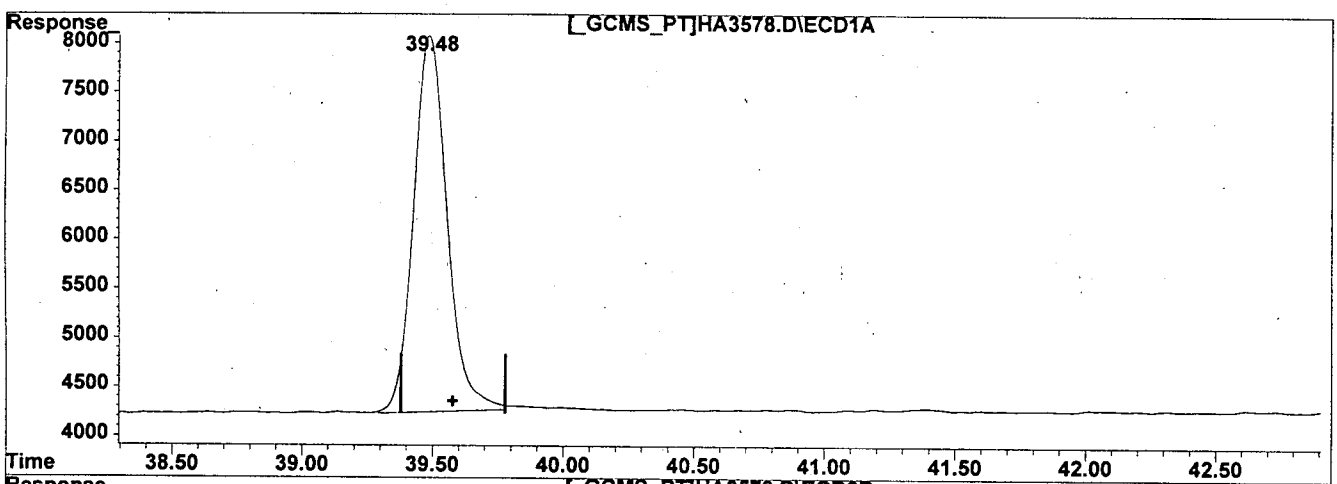
(+) = Expected Retention Time

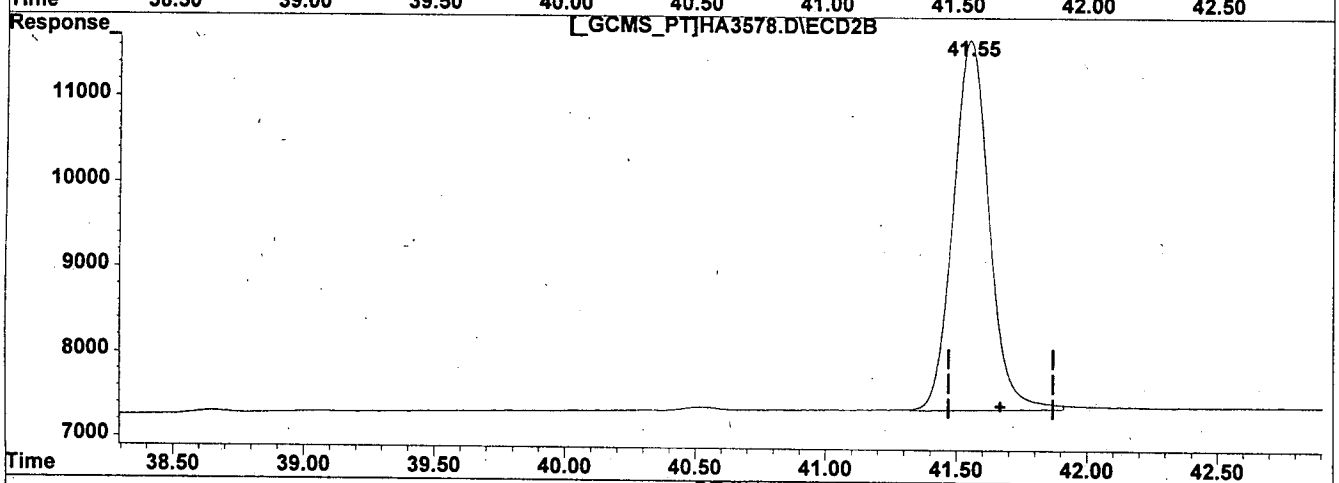
HA3578.D CLP_8.M Wed Feb 25 10:08:06 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3578.D\ECD1A.CH Vial: 8
Signal #2 : F:\1\DATA_H\HA3578.D\ECD2B.CH
Acq On : 25 Mar 98 5:10 Operator:
Sample : AR125401 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:57 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.48min 17.701ng/ml m

response 341803

(22) Decachlorobiphenyl #2 (SA)

41.55min 15.823ng/ml m

response 416363

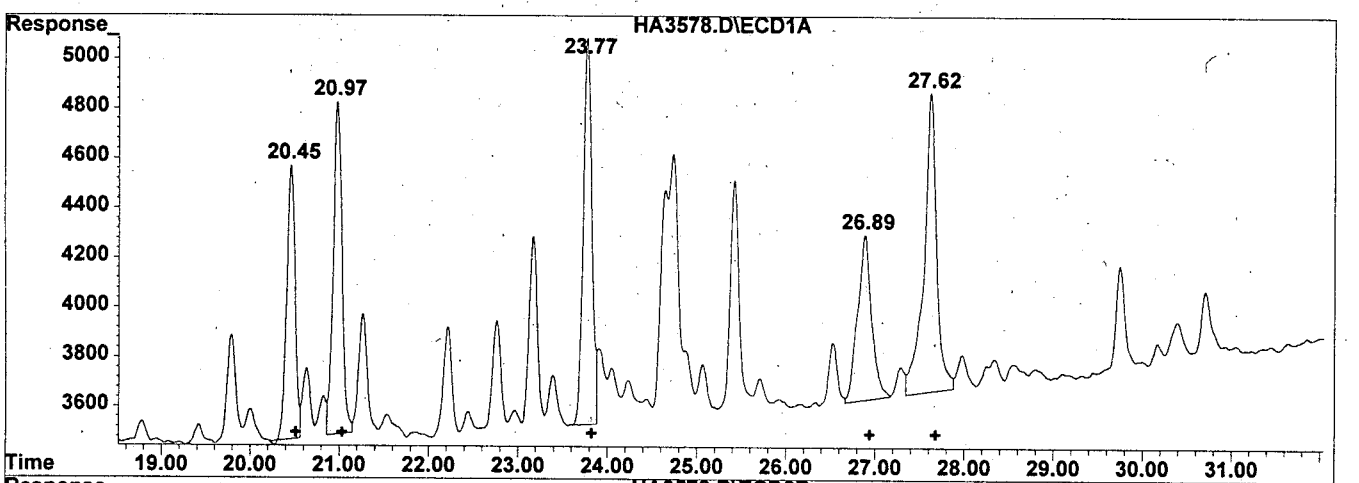
(+) = Expected Retention Time

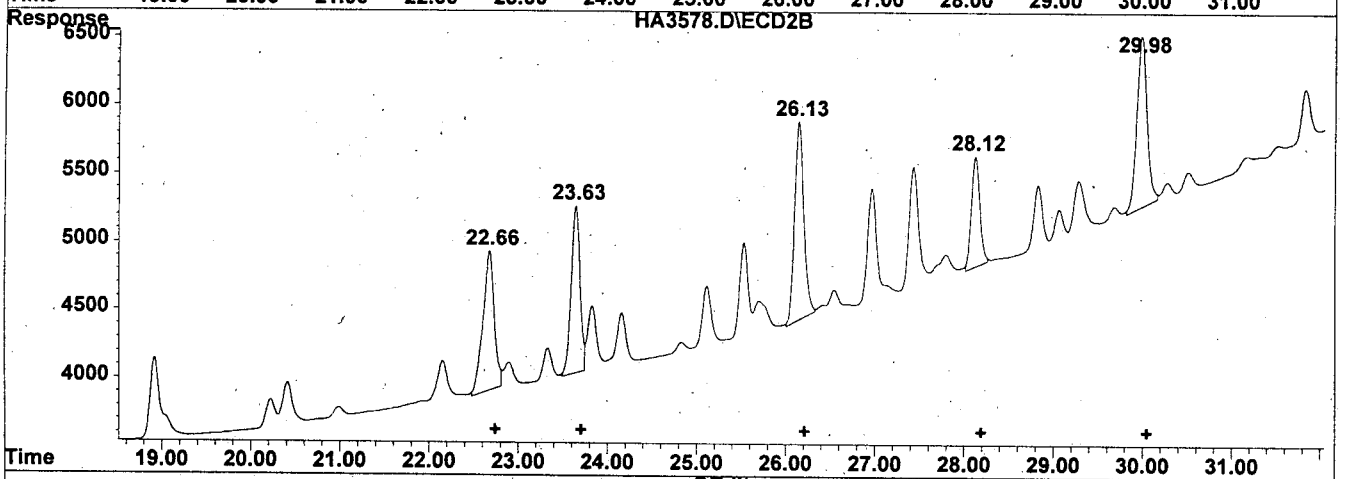
HA3578.D CLP_8.M Wed Feb 25 10:08:11 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3578.D\ECD1A.CH Vial: 8
Signal #2 : F:\1\DATA_H\HA3578.D\ECD2B.CH
Acq On : 25 Mar 98 5:10 Operator:
Sample : AR125401 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:57 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(45) Aroclor-1254{1} (L6)

R.T.	Response	Conc
20.45	72005	105.76
20.97	92756	108.39
23.77	104804	101.71
26.89	72629	103.53
27.62	118662	108.18

(45) Aroclor-1254{1} #2 (L6)

R.T.	Response	Conc
22.66	89896	98.58
23.63	84324	95.65
26.13	105072	101.70
28.12	53194	104.43
29.98	99792	96.15

(+) = Expected Retention Time

HA3578.D CLP_8.M Wed Feb 25 10:08:40 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : F:\1\DATA_H\HA3579.D\ECD1A.CH Vial: 9
Signal #2 : F:\1\DATA_H\HA3579.D\ECD2B.CH
Acq On : 25 Mar 98 6:03 Operator:
Sample : TOXAPH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:59 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: F:\1\DATA_H\HA3573.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	302463	214169	21.065m	15.940 ns Inj 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					52.66%#	39.85%#
2) SA Decachlorobiphen	39.49	41.56f	334456	402715	17.320m	15.304m
Spiked Amount 40.000 Range 60 - 150 Recovery =					43.30%#	38.26%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
55) L8 Toxaphene{1}	26.58	27.94	131838	53442	522.289	519.361m 0.50
56) L8 Toxaphene{2}	28.73	32.03	120269	115556	608.548	465.535m
57) L8 Toxaphene{3}	31.21	33.75	92660	94740	408.458	452.036m
58) L8 Toxaphene{4}	32.78	35.10	94530	99004	513.965	472.234m
Sum Toxaphene			439297	362742	2053.260	1909.166
Average Toxaphene					513.315	477.291

DRS 3/25/98

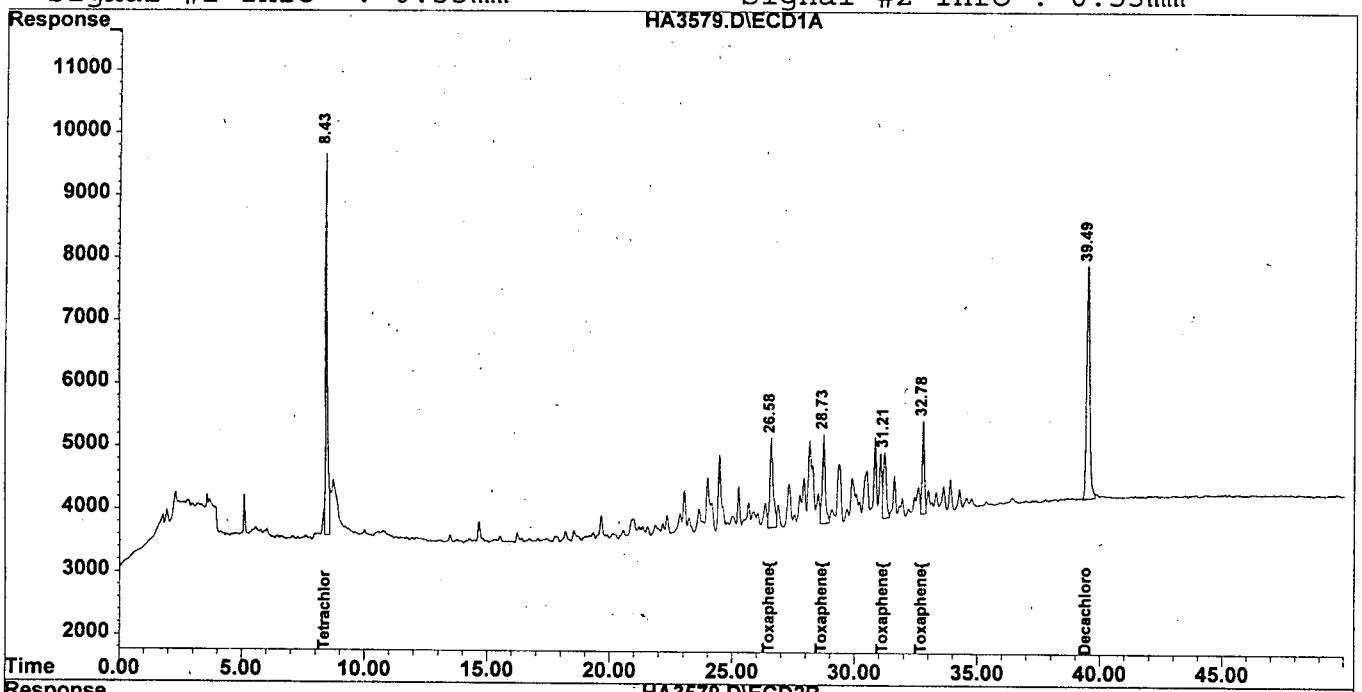
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

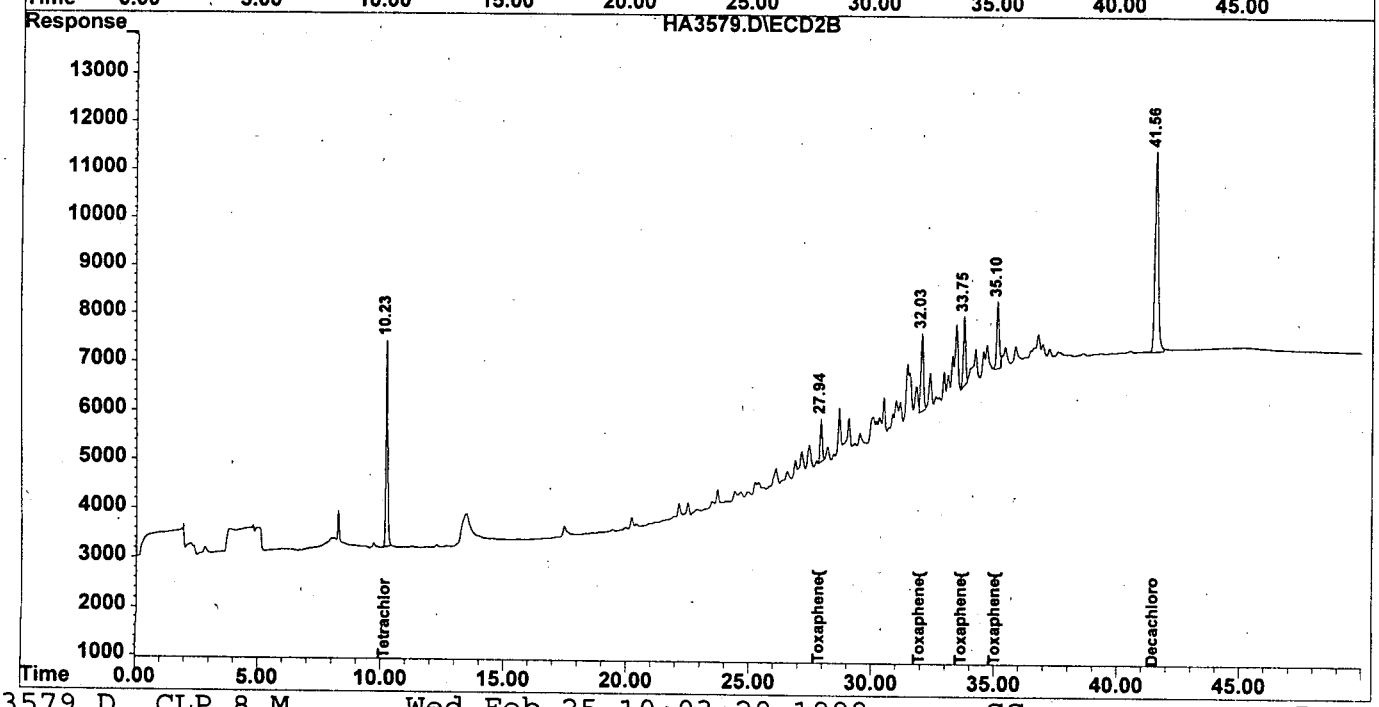
Quantitation Report

Signal #1 : F:\1\DATA_H\HA3579.D\ECD1A.CH Vial: 9
Signal #2 : F:\1\DATA_H\HA3579.D\ECD2B.CH
Acq On : 25 Mar 98 6:03 Operator:
Sample : TOXAPH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:59 1998 Quant Results File: CLP_8.RES

Quant Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

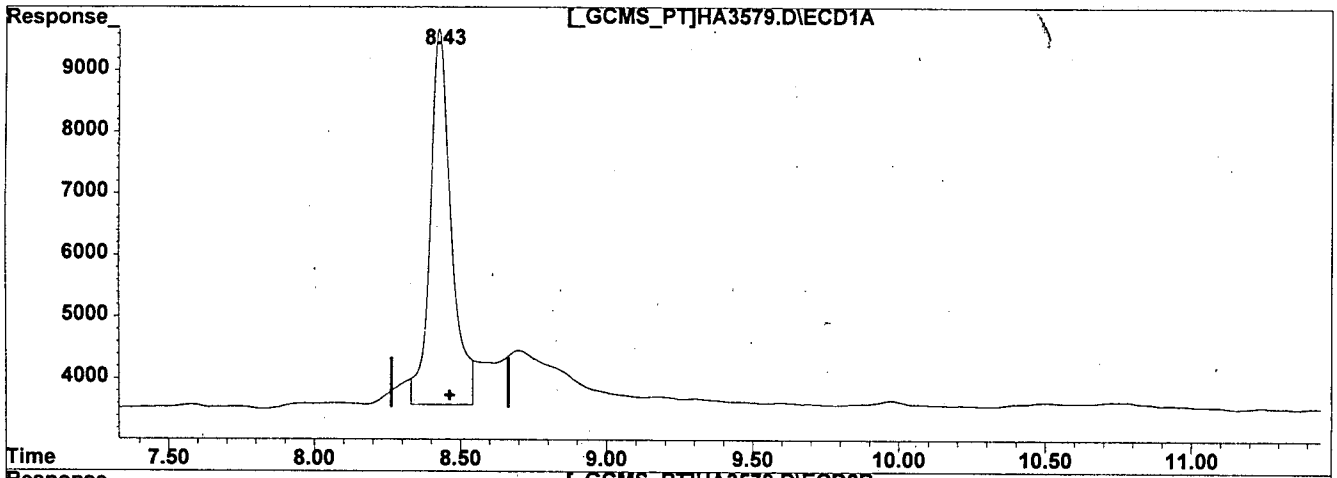


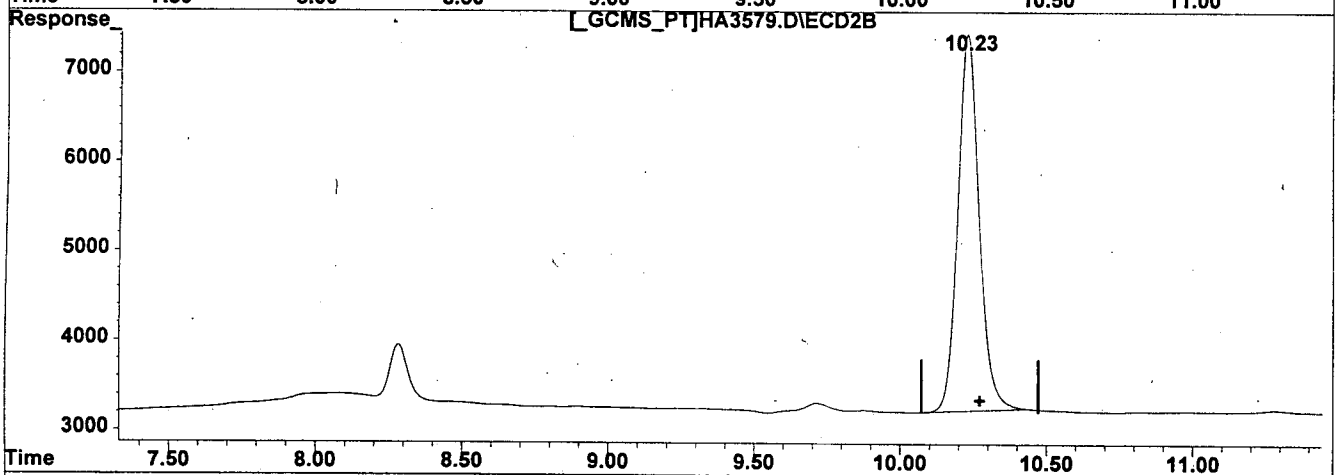


Quantitation Report

Signal #1 : F:\1\DATA_H\HA3579.D\ECD1A.CH Vial: 9
Signal #2 : F:\1\DATA_H\HA3579.D\ECD2B.CH
Acq On : 25 Mar 98 6:03 Operator:
Sample : TOXAPH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:59 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 21.065ng/ml m

response 302463

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 15.940ng/ml

response 214169

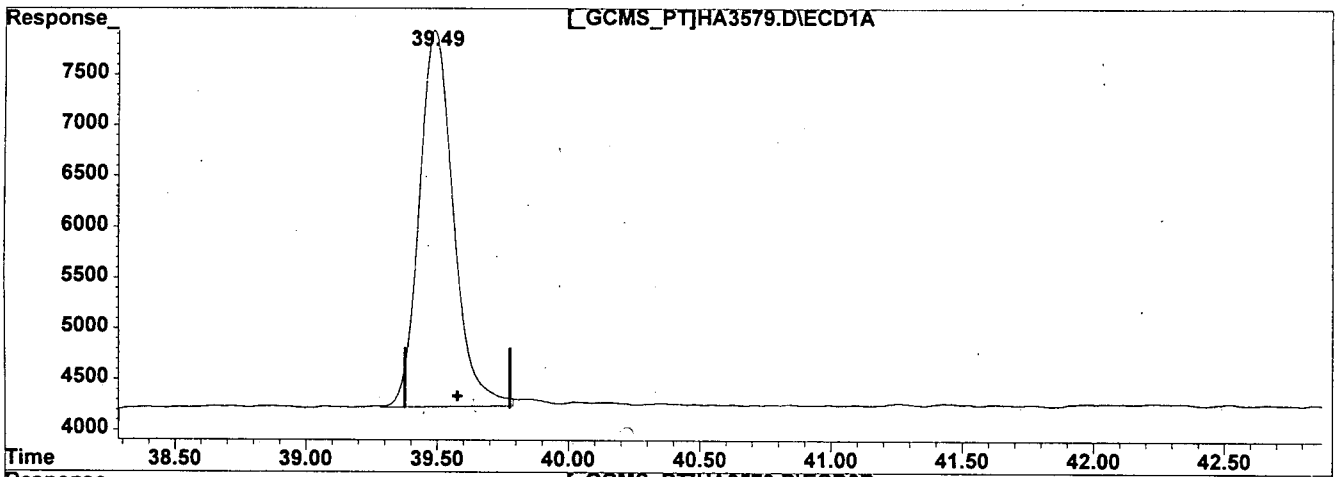
(+) = Expected Retention Time

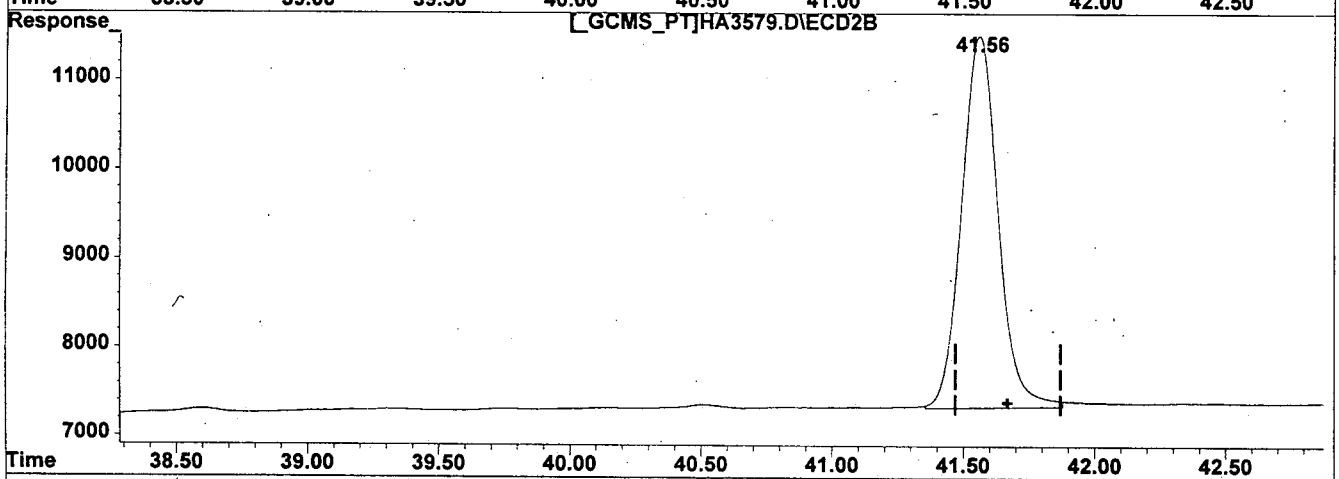
HA3579.D CLP_8.M Wed Feb 25 10:09:02 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3579.D\ECD1A.CH Vial: 9
Signal #2 : F:\1\DATA_H\HA3579.D\ECD2B.CH
Acq On : 25 Mar 98 6:03 Operator:
Sample : TOXAPH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:59 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 17.320ng/ml m

response 334456

(22) Decachlorobiphenyl #2 (SA)

41.56min 15.304ng/ml m

response 402715

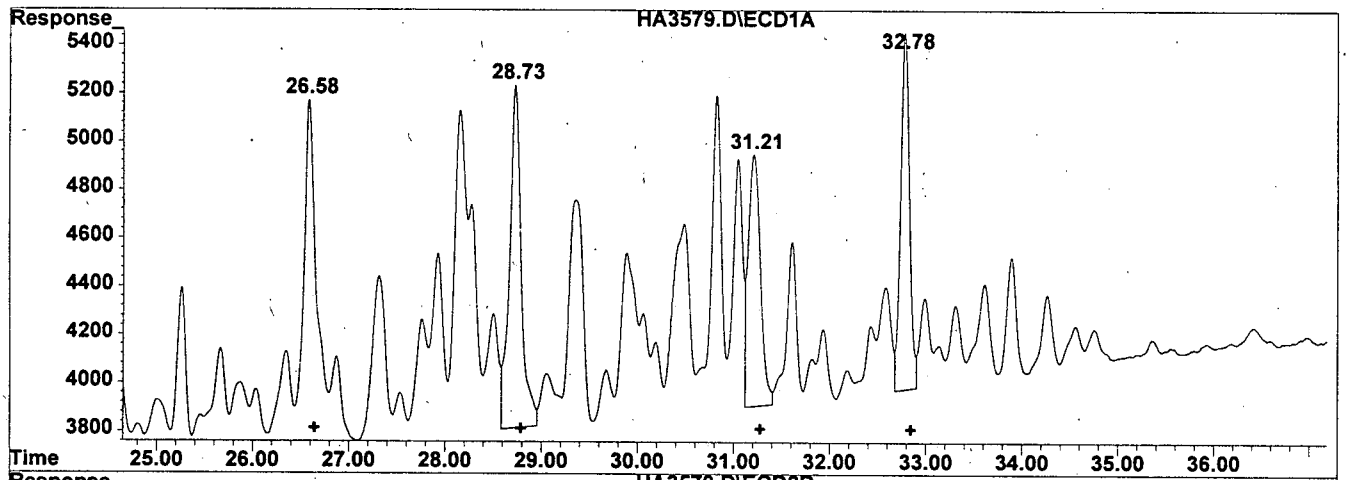
(+) = Expected Retention Time

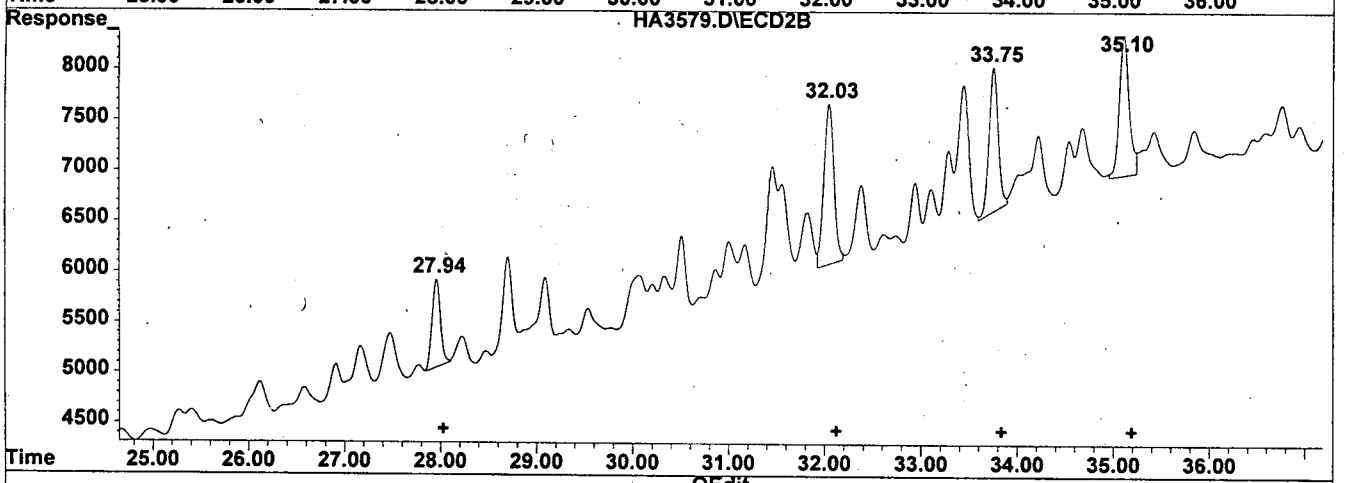
HA3579.D CLP_8.M Wed Feb 25 10:09:08 1998 GC

Quantitation Report

Signal #1 : F:\1\DATA_H\HA3579.D\ECD1A.CH Vial: 9
Signal #2 : F:\1\DATA_H\HA3579.D\ECD2B.CH
Acq On : 25 Mar 98 6:03 Operator:
Sample : TOXAPH01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Feb 25 9:59 1998 Quant Results File: CLP_8.RES

Method : H:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(55) Toxaphene{1} (L8)

R.T.	Response	Conc
26.58	131838	522.29
28.73	120269	608.55
31.21	92660	408.46
32.78	94530	513.96

(55) Toxaphene{1} #2 (L8)

R.T.	Response	Conc
27.94	53442	519.36
32.03	115556	465.53
33.75	94740	452.04
35.10	99004	472.23

(+) = Expected Retention Time

HA3579.D CLP_8.M Wed Feb 25 10:09:17 1998 GC

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD2B.CH
Acq On : 26 Mar 98 00:48 Operator:
Sample : INDAM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:37 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	346396	245973	21.224	19.569	no Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					53.06%#	48.92%#	
2) SA Decachlorobiphen	39.47	41.54	853744	1054817	38.437	39.724	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					96.09%	99.31%	
Target Compounds							
2) A alpha-BHC	11.08	14.37	254179	219660	19.712	19.116	0.02
3) MA gamma-BHC (Linda	13.01	16.48	256322	227370	19.276	19.152	
4) MA Heptachlor	14.37	17.66	288410	404043	24.027	19.464	
9) A Endosulfan I	21.34	24.56	303563	295728	19.572	18.710	
13) MA Dieldrin	23.20	26.45	540828	526030	38.893	37.242	0.04
14) MA Endrin	25.06	27.61	519028	520738	38.601m	39.395	
16) A 4,4'-DDD	25.97	29.71	341248	343782	40.269	38.752m	
17) MA 4,4'-DDT	27.48	30.57	382224	377840	40.377	39.062	
20) A Methoxychlor	32.30	33.74	1160175	1559158	201.590m	200.151m	0.20
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

3/31/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD2B.CH
Acq On : 26 Mar 98 00:48 Operator:
Sample : INDAM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:37 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
verage Toxaphene					0.000	0.000

DP 3/31/98

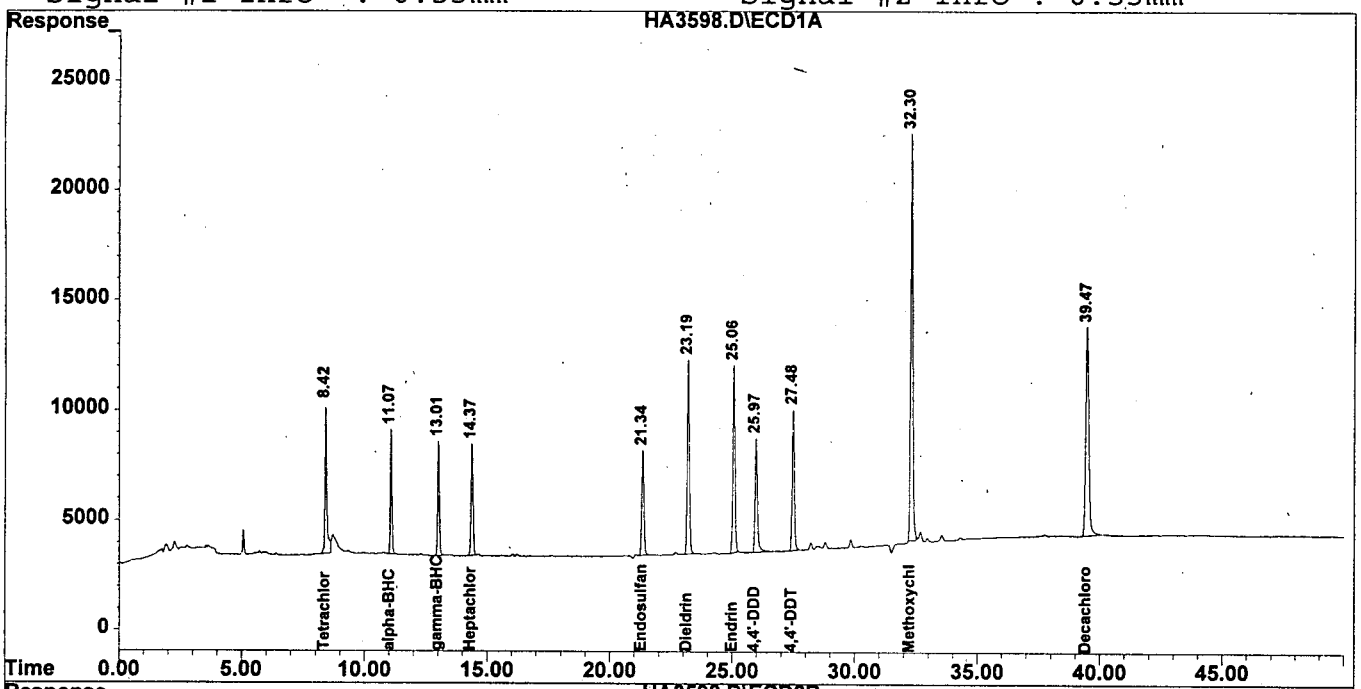
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

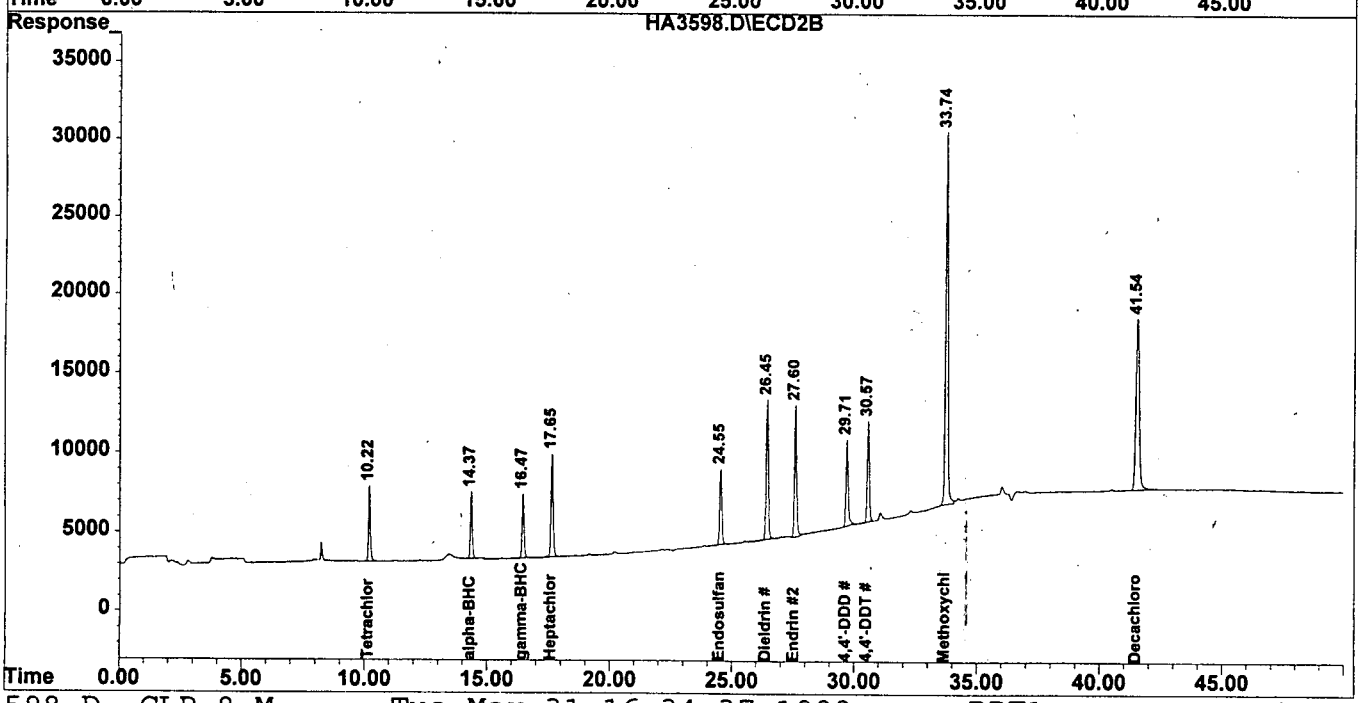
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD2B.CH
Acq On : 26 Mar 98 00:48 Operator:
Sample : INDAM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:37 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

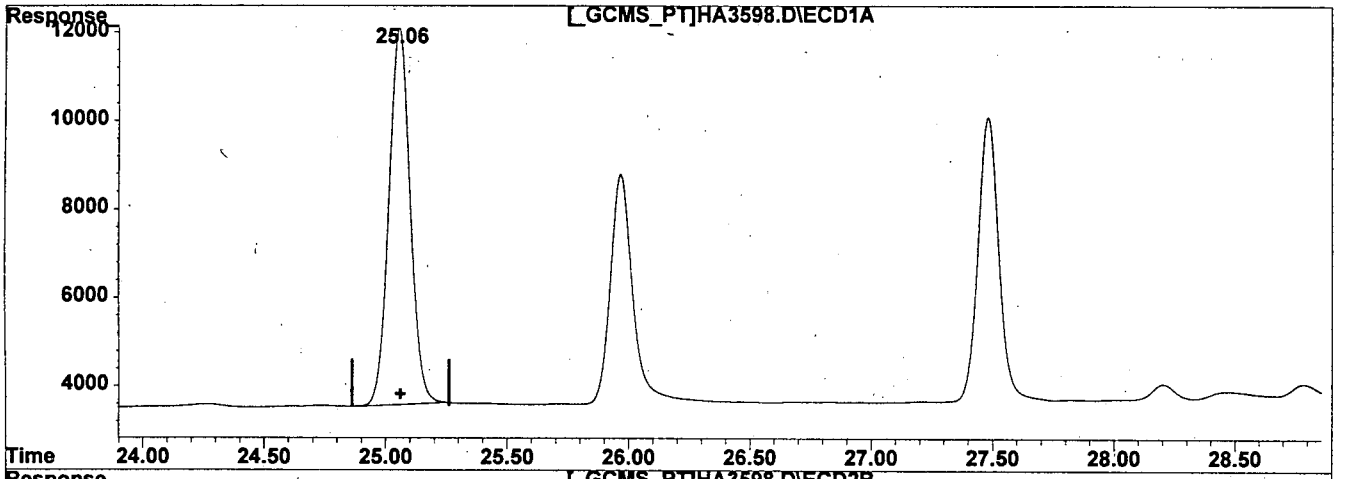


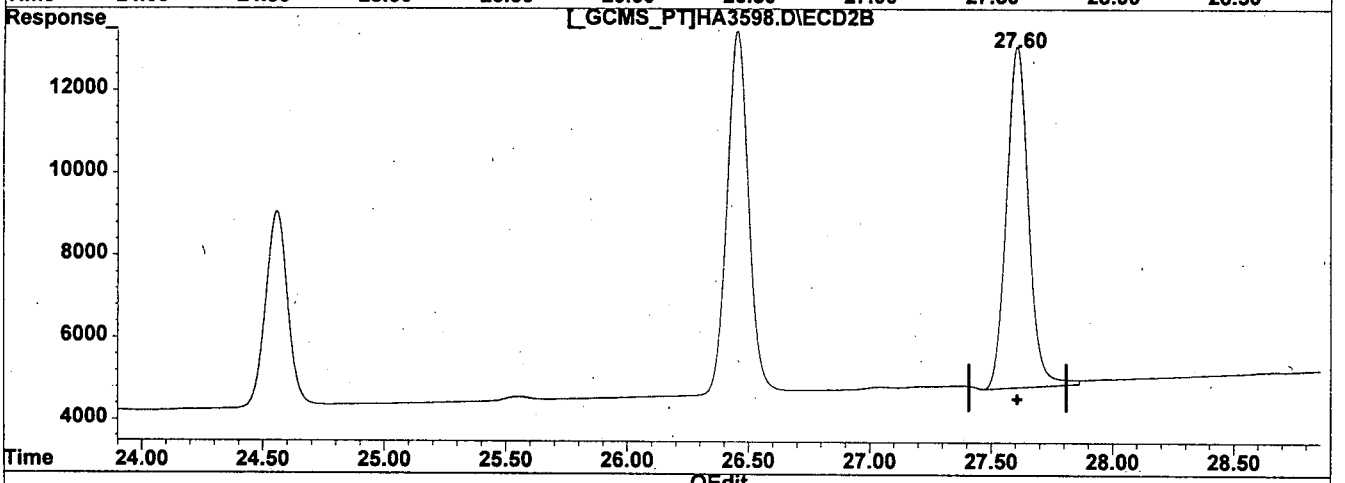


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD2B.CH
Acq On : 26 Mar 98 00:48 Operator:
Sample : INDAM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:37 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(14) Endrin (MA)

25.06min 38.601ng/ml m

response 519028

(14) Endrin #2 (MA)

27.61min 39.395ng/ml

response 520738

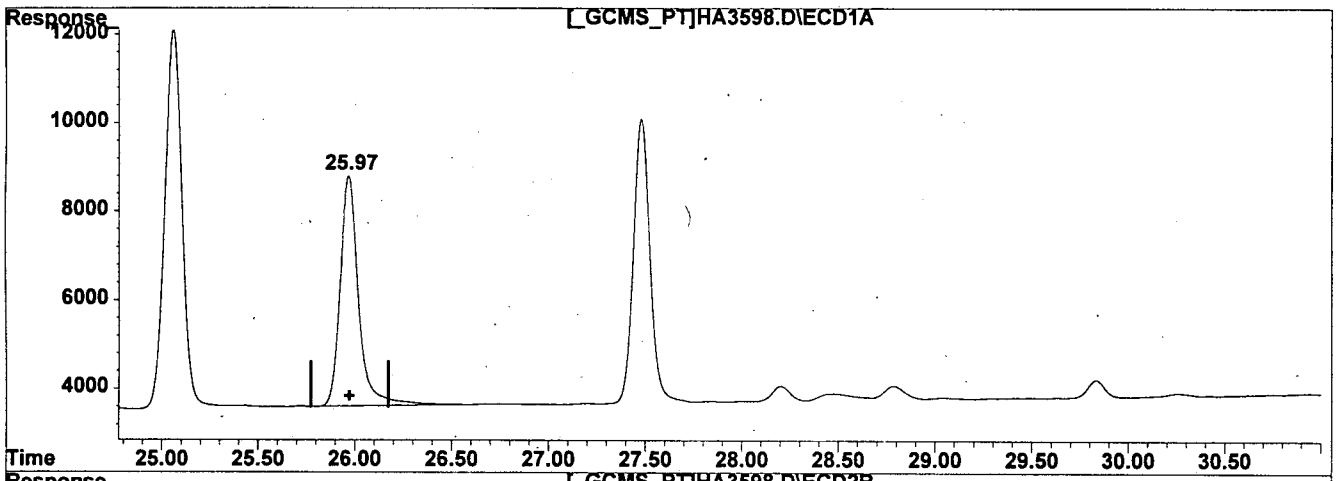
(+) = Expected Retention Time

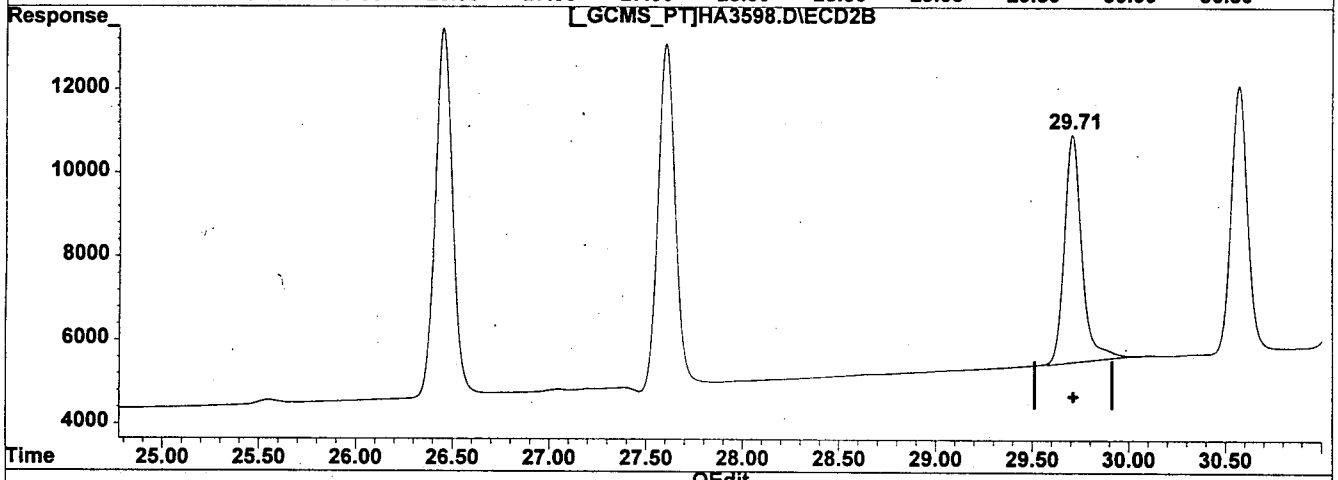
HA3598.D CLP_8.M Tue Mar 31 17:24:22 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD2B.CH
Acq On : 26 Mar 98 00:48 Operator:
Sample : INDAM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:37 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(16) 4,4'-DDD (A)

25.97min 40.269ng/ml

response 341248

(16) 4,4'-DDD #2 (A)

29.71min 38.752ng/ml m

response 343782

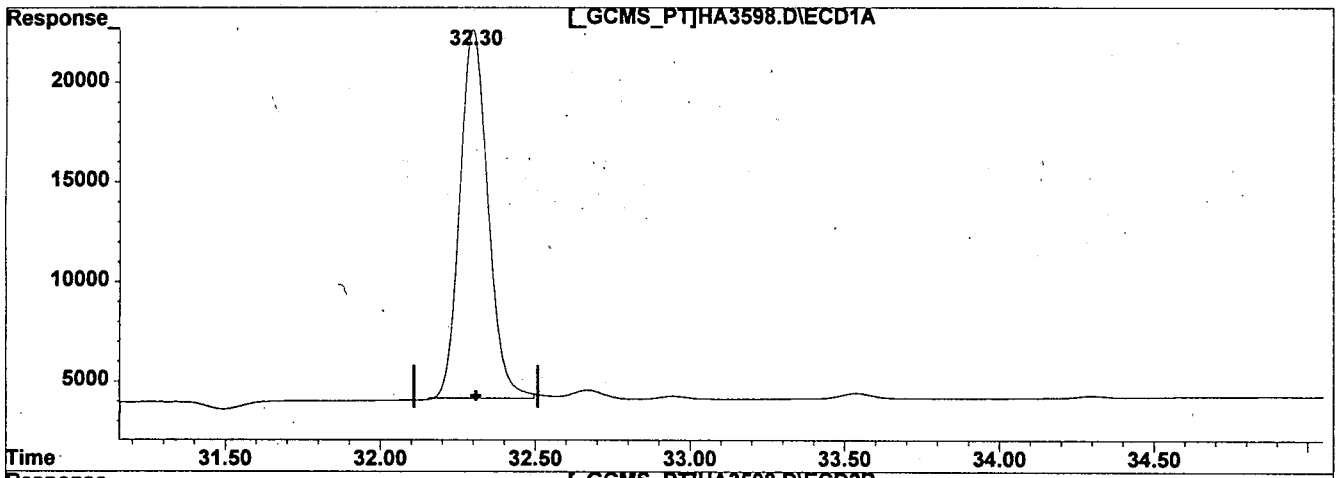
(+) = Expected Retention Time

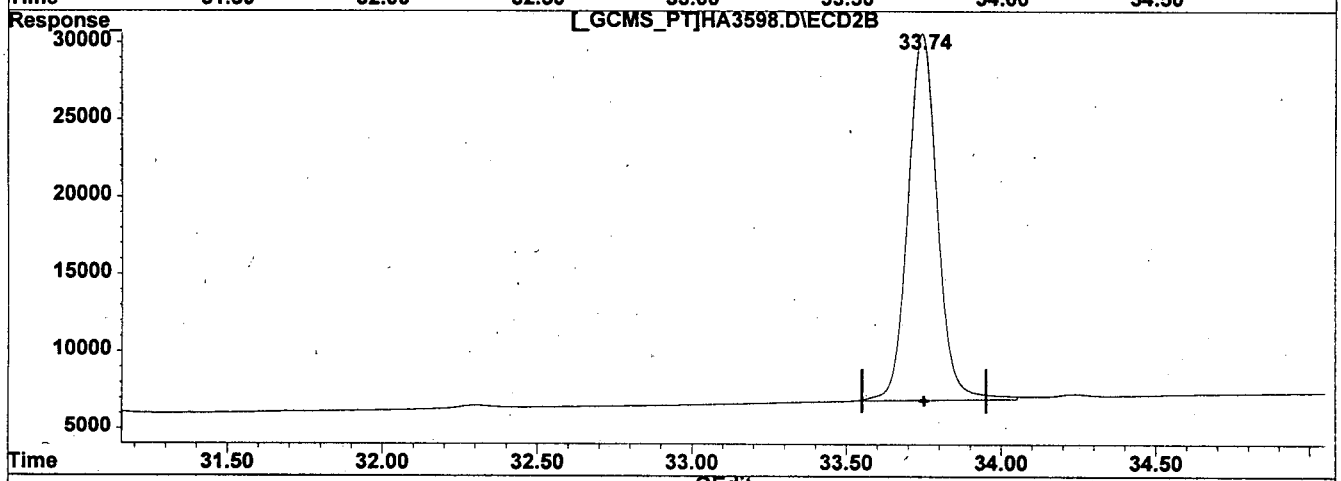
HA3598.D CLP_8.M Tue Mar 31 17:24:31 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD1A.CH Vial: 28
Signal #2 : C:\HPCHEM\1\DATA_H\HA3598.D\ECD2B.CH
Acq On : 26 Mar 98 00:48 Operator:
Sample : INDAM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:37 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(20) Methoxychlor (A)

32.30min 201.590ng/ml m

response 1160175

(20) Methoxychlor #2 (A)

33.74min 200.151ng/ml m

response 1559158

(+) = Expected Retention Time

HA3598.D CLP_8.M Tue Mar 31 17:24:39 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD2B.CH
Acq On : 27 Mar 98 6:45 Operator:
Sample : INDAM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:12 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.21	297511	253502	18.229	20.168	ns Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					45.57%#	50.42%#	
2) SA Decachlorobiphen	39.46	41.52	889150	1083549	40.031	40.806	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					100.08%	102.02%	
Target Compounds							
2) A alpha-BHC	11.07	14.36	267873	228724	20.774	19.904	0.02
3) MA gamma-BHC (Linda	13.00	16.47	274801	237065	20.666	19.969	
4) MA Heptachlor	14.37	17.65	287019	421173	23.911	20.290	
9) A Endosulfan I	21.34	24.54	317716	309107	20.485	19.557	
13) MA Dieldrin	23.19	26.44	573620	569786	41.251	40.340	0.04
14) MA Endrin	25.05	27.59	551474	539355	41.014m	40.804	
16) A 4,4'-DDD	25.96	29.70	356961	353034	42.123	39.795	
17) MA 4,4'-DDT	27.48	30.56	431885	402218	45.623	41.582	
20) A Methoxychlor	32.29	33.73	1316825	1677894	228.809m	215.394m	0.20
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

PP 3/31/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD2B.CH
Acq On : 27 Mar 98 6:45 Operator:
Sample : INDAM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:12 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

R 3/31/98

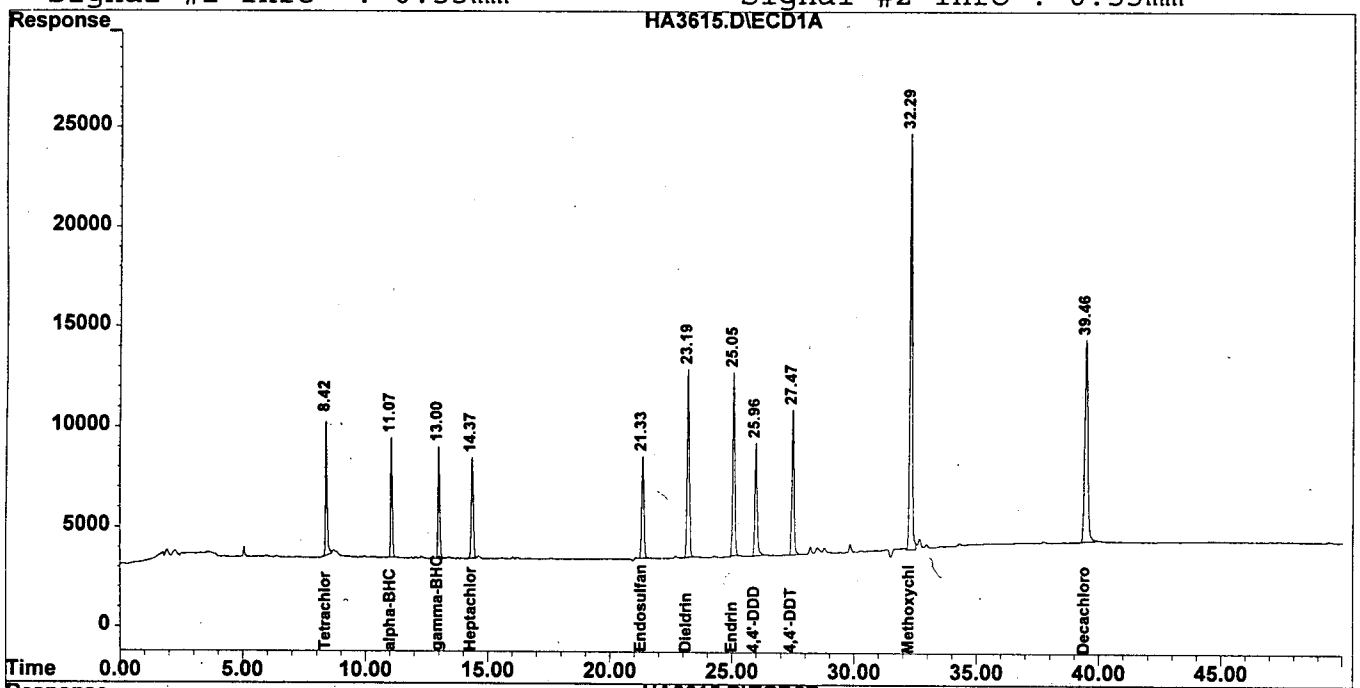
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

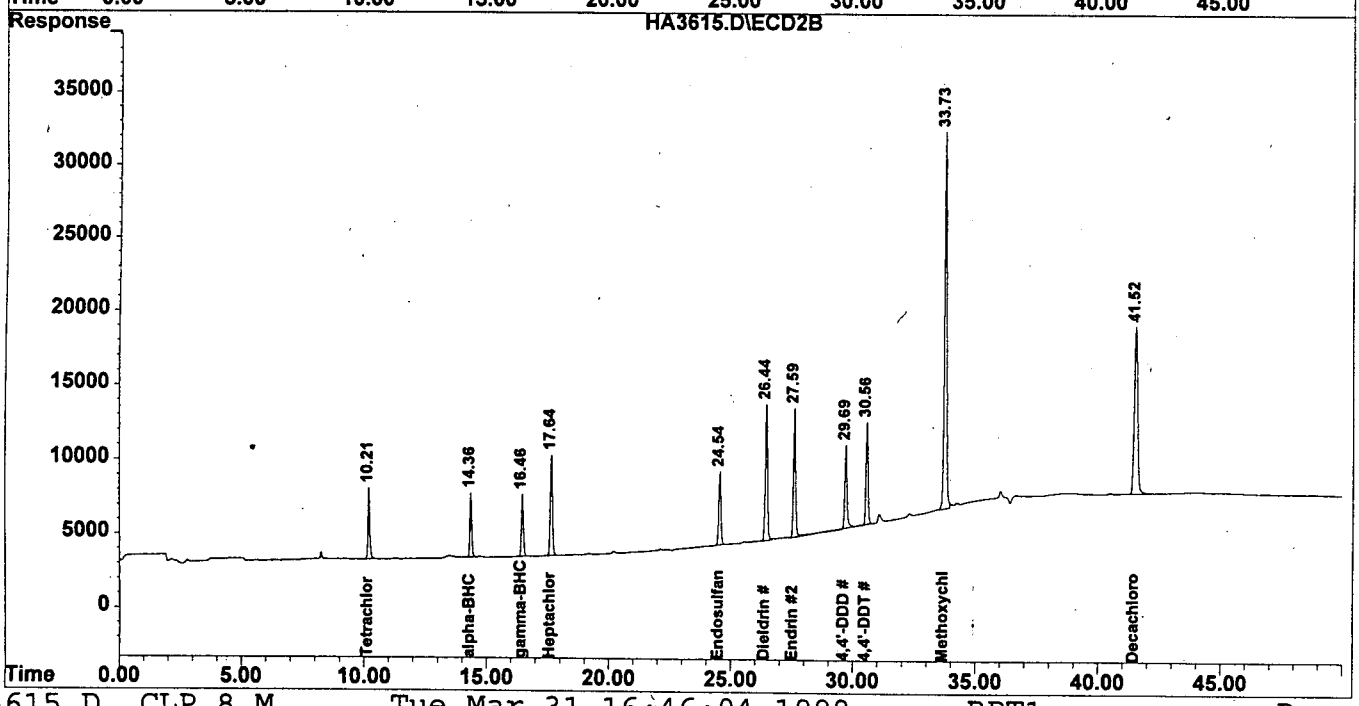
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD2B.CH
Acq On : 27 Mar 98 6:45 Operator:
Sample : INDAM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:12 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

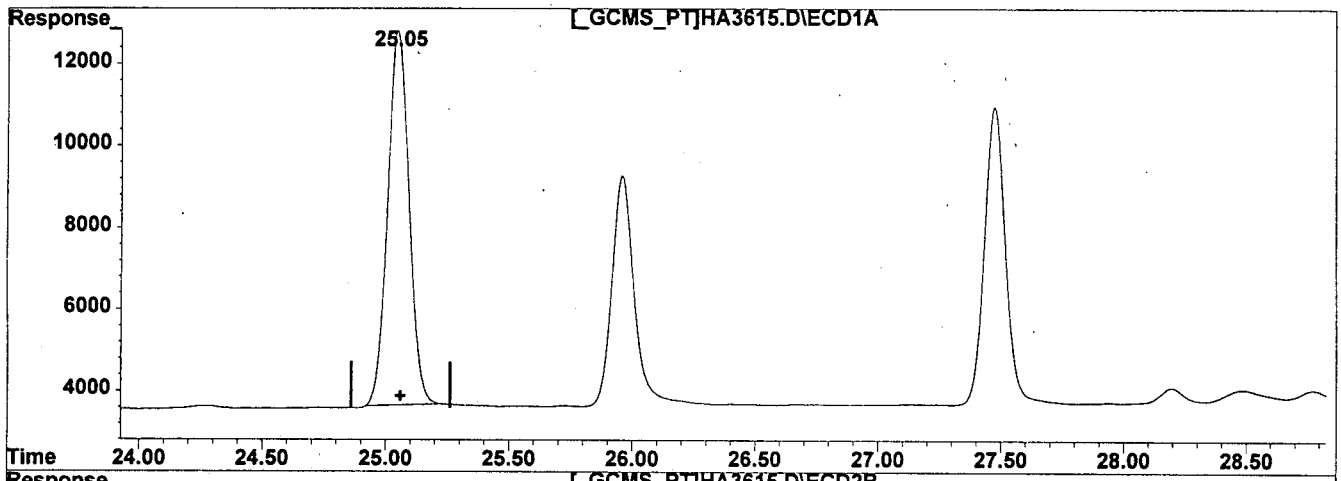


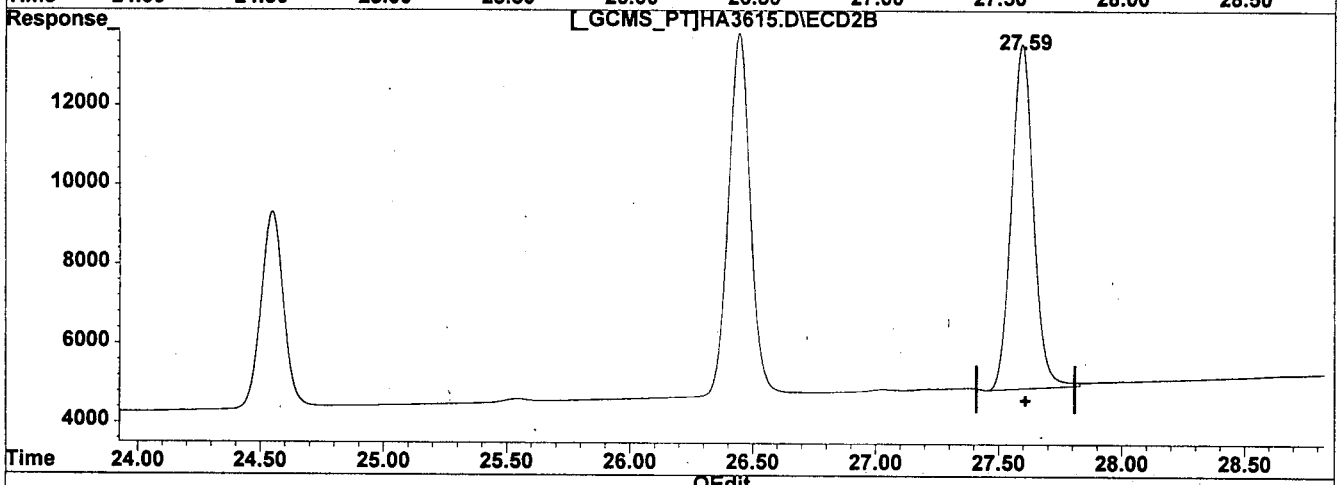


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD2B.CH
Acq On : 27 Mar 98 6:45 Operator:
Sample : INDAM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:12 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(14) Endrin (MA)

25.05min 41.014ng/ml m

response 551474

(14) Endrin #2 (MA)

27.59min 40.804ng/ml

response 539355

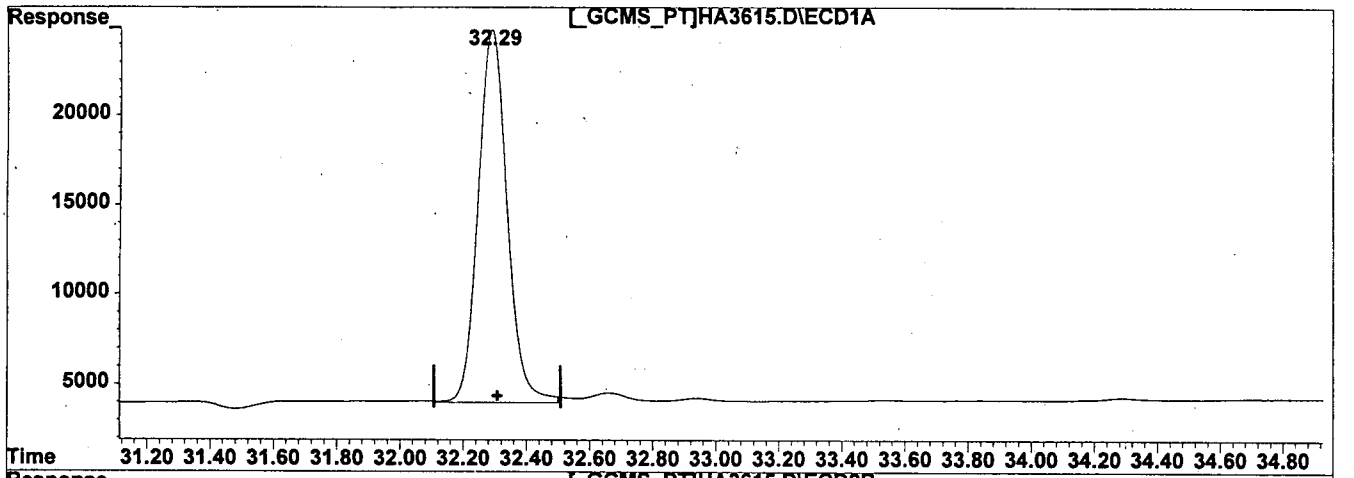
(+) = Expected Retention Time

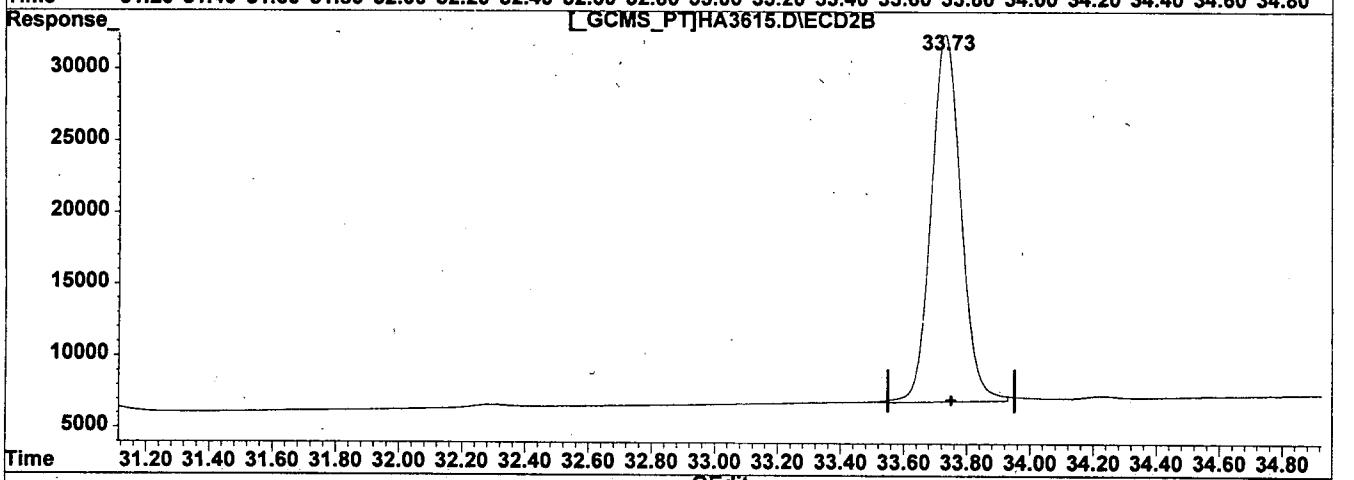
HA3615.D CLP_8.M Tue Mar 31 17:32:31 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3615.D\ECD2B.CH
Acq On : 27 Mar 98 6:45 Operator:
Sample : INDAM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:12 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(20) Methoxychlor (A)

32.29min 228.809ng/ml m

response 1316825

(20) Methoxychlor #2 (A)

33.73min 215.394ng/ml m

response 1677894

(+) = Expected Retention Time

HA3615.D CLP_8.M Tue Mar 31 17:32:44 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD2B.CH
Acq On : 4 Apr 98 6:52 Operator:
Sample : INDAM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:17 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	300108	251058	18.388m	19.973
Spiked Amount 40.000 Range 60 - 150 Recovery =					45.97%#	49.93%#
2) SA Decachlorobiphen	39.50	41.55	829976	1028131	37.367	38.719
Spiked Amount 40.000 Range 60 - 150 Recovery =					93.42%	96.80%
Target Compounds						
2) A alpha-BHC	11.09	14.37	256878	223541	19.921	19.453
3) MA gamma-BHC (Linda	13.02	16.48	255513	231922	19.215	19.536
4) MA Heptachlor	14.38	17.66	241030	426262	20.080	20.535
9) A Endosulfan I	21.35	24.56	314403	314187	20.271	19.878
13) MA Dieldrin	23.21	26.46	549349	552464	39.506	39.113
14) MA Endrin	25.07	27.61	500592	484665	37.230m	36.666
15) A 4,4'-DDD	26.00	29.72	288893	329583	34.091m	37.151m
17) MA 4,4'-DDT	27.50	30.58	341388	382017	36.064	39.494
20) A Methoxychlor	32.33	33.76	908202	1369687	157.808	175.829
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD2B.CH
Acq On : 4 Apr 98 6:52 Operator:
Sample : INDAM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:17 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

7-34/5/8

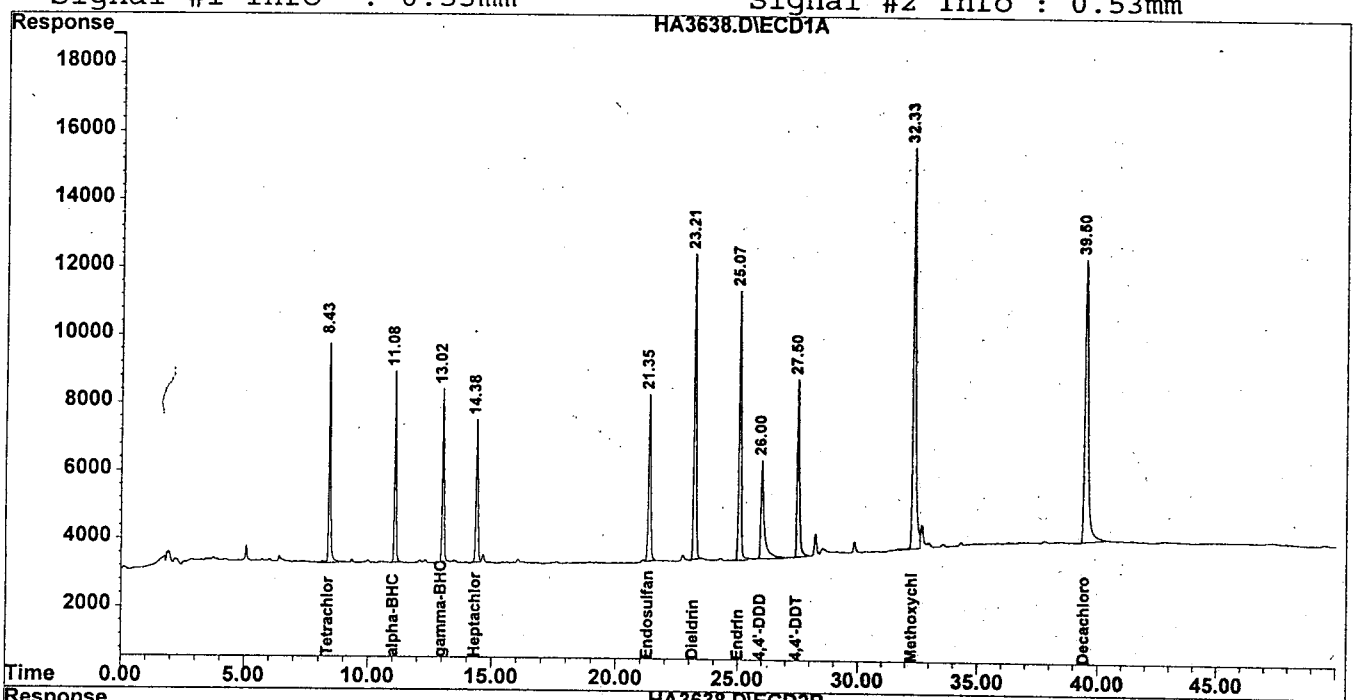
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

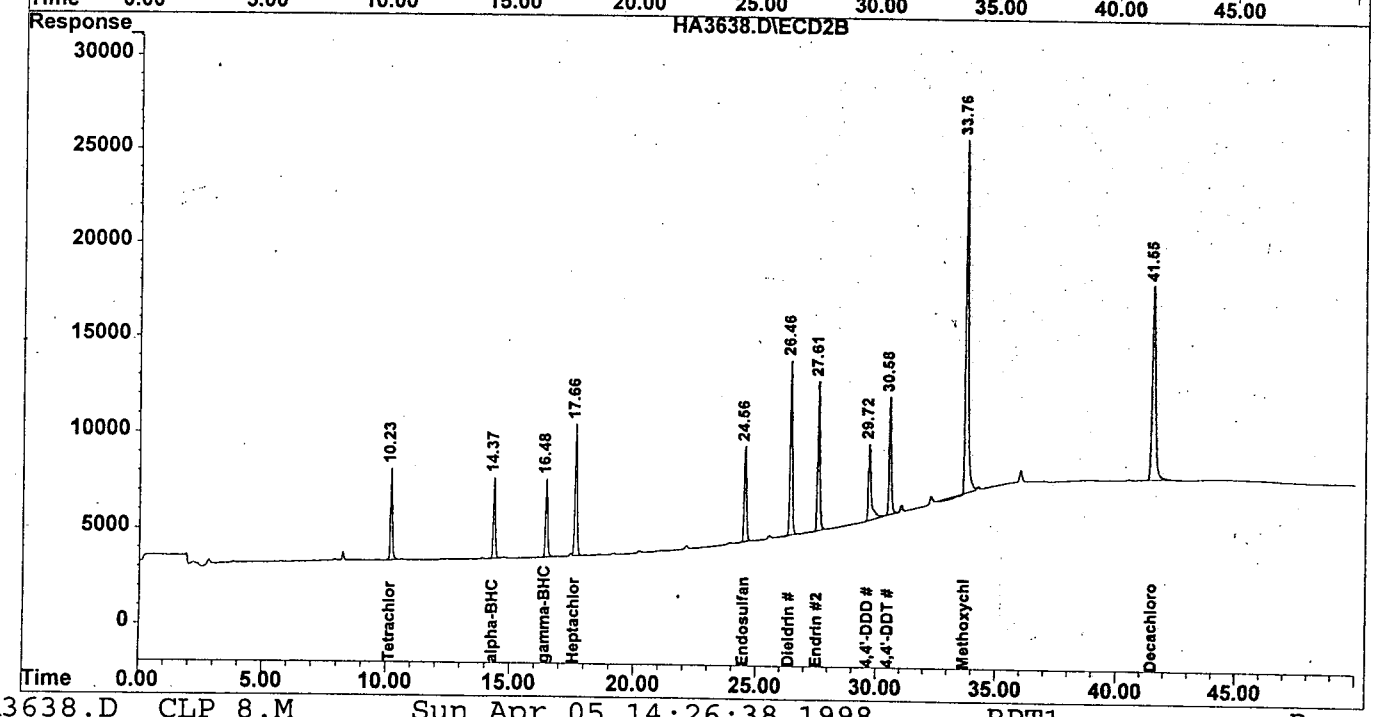
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD2B.CH
Acq On : 4 Apr 98 6:52 Operator:
Sample : INDAM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:17 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

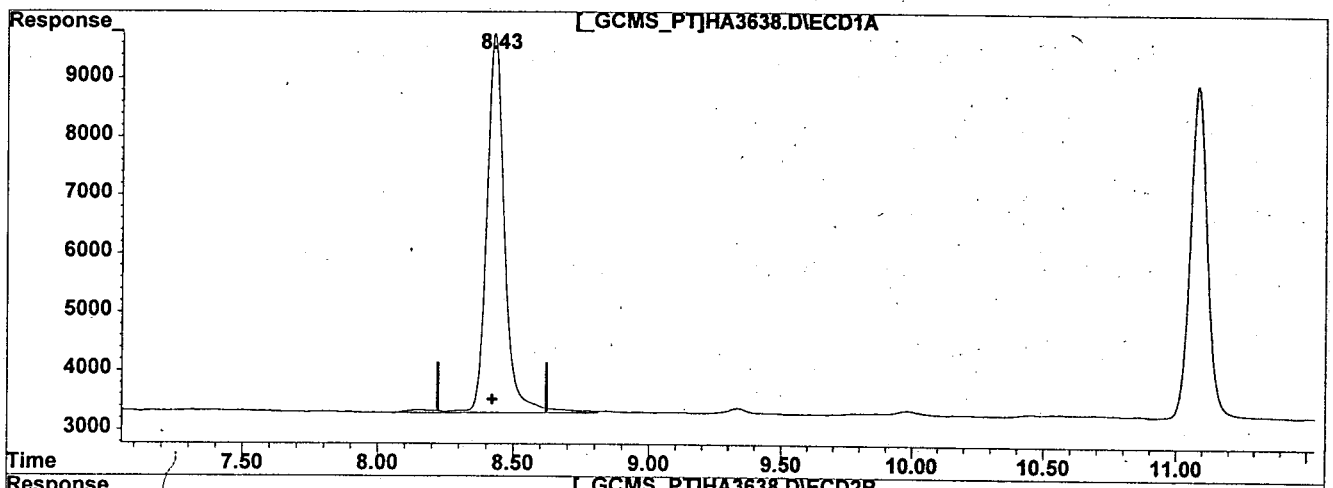


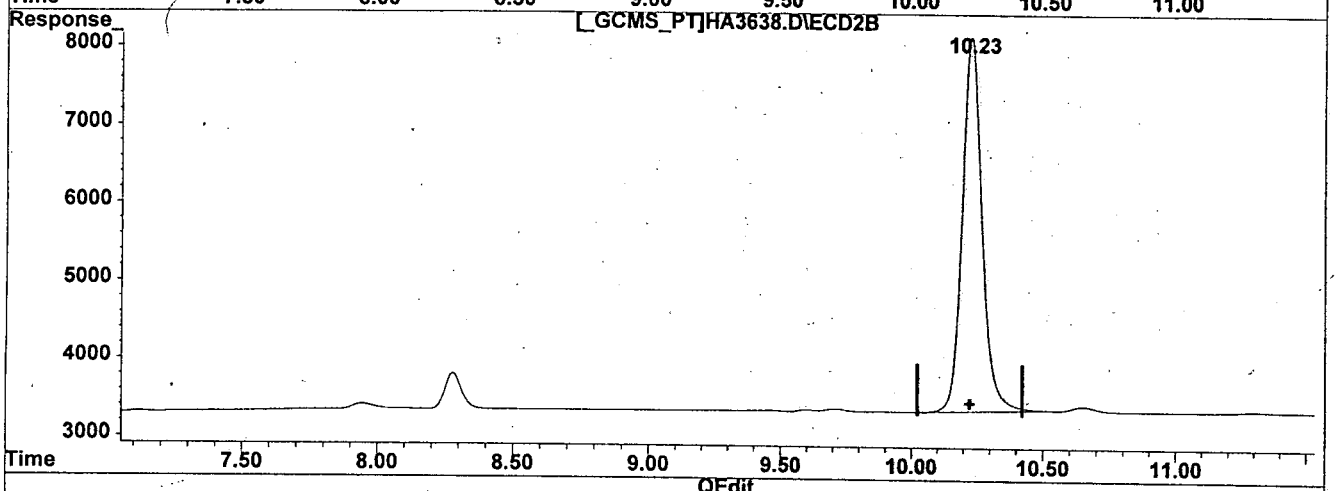


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD2B.CH
Acq On : 4 Apr 98 6:52 Operator:
Sample : INDAM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:17 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.43min 18.388ng/ml m

response 300108

(1) Tetrachloro-m-xylene #2 (SA)

10.23min 19.973ng/ml

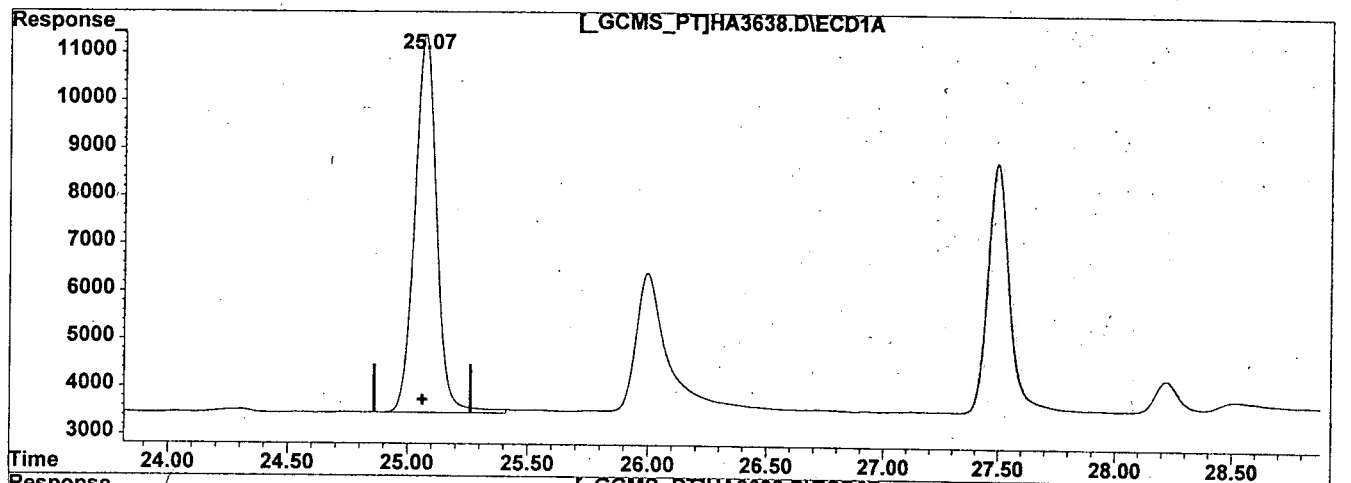
response 251058

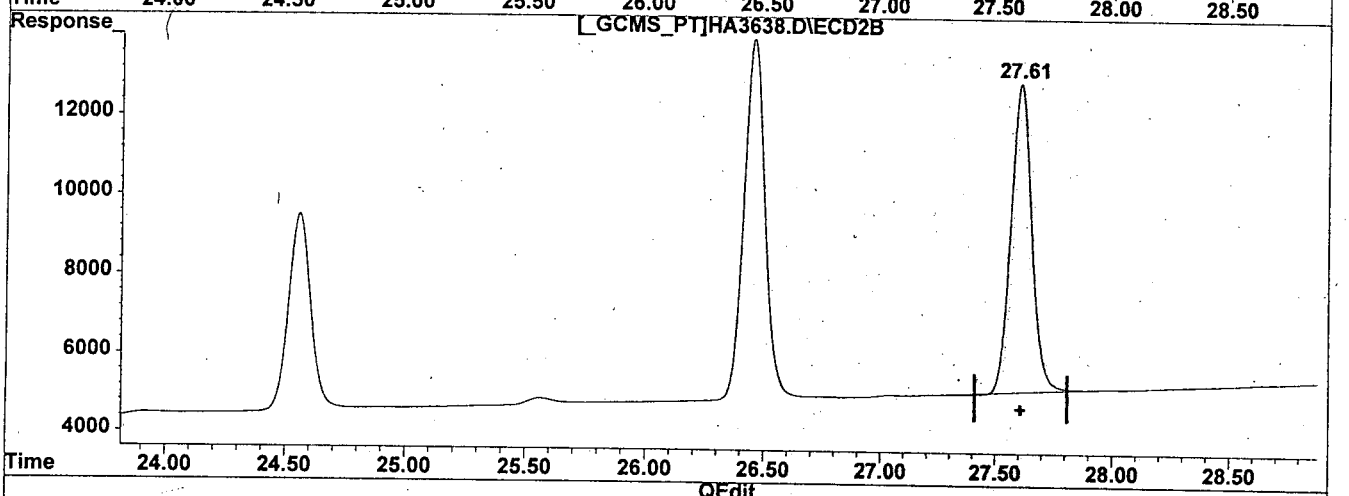
(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD1A.CH Vial: 14
Signal #2 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD2B.CH
Acq On : 4 Apr 98 6:52 Operator:
Sample : INDAM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:17 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(14) Endrin (MA)

25.07min 37.230ng/ml m

response 500592

(14) Endrin #2 (MA)

27.61min 36.666ng/ml

response 484665

(+) = Expected Retention Time

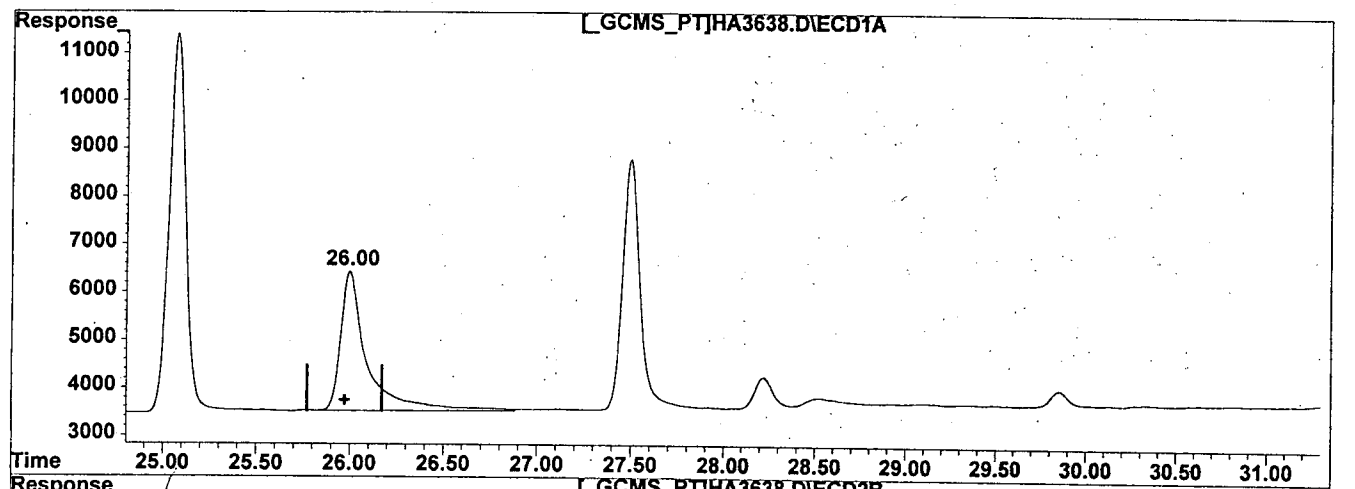
Quantitation Report

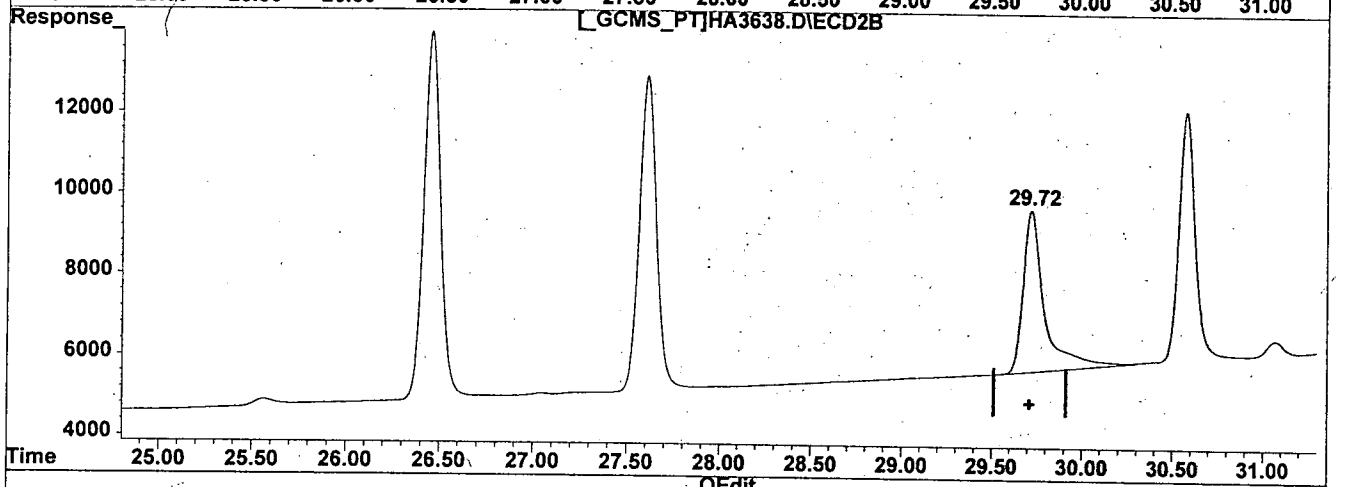
Signal #1 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_H\HA3638.D\ECD2B.CH
Acq On : 4 Apr 98 6:52
Sample : INDAM04
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:17 1998 Quant Results File: CLP_8.RES

Vial: 14

Operator:
Inst : GC_5890_8
Multiplr: 1.00

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(16) 4,4'-DDD (A)

26.00min 34.091ng/ml m

response 288893

(16) 4,4'-DDD #2 (A)

29.72min 37.151ng/ml m

response 329583

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD2B.CH
Acq On : 6 Apr 98 4:42 Operator:
Sample : INDAM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:03 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	ng Inj
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	276472	251752	16.940	20.029	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					42.35%#	50.07%#	
22) SA Decachlorobiphen	39.49	41.54	834370	1031626	37.565	38.851	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					93.91%	97.13%	
Target Compounds							
2) A alpha-BHC	11.08	14.36	250729	224705	19.444	19.555	0.02
3) MA gamma-BHC (Linda	13.01	16.47	253325	235186	19.051	19.811	
4) MA Heptachlor	14.37	17.65	254783	426297	21.225	20.536	
9) A Endosulfan I	21.35	24.55	313622	310370	20.221	19.637	
13) MA Dieldrin	23.20	26.45	544276	550253	39.141	38.957	0.04
14) MA Endrin	25.06	27.60	500846	504012	37.249m	38.130	
16) A 4,4'-DDD	25.99	29.71	277213	329724	32.712	37.167m	
17) MA 4,4'-DDT	27.49	30.57	363556	389542	38.405	40.272	
20) A Methoxychlor	32.32	33.75	999631	1508150	173.694	193.603m	0.20
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD2B.CH
Acq On : 6 Apr 98 4:42 Operator:
Sample : INDAM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:03 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

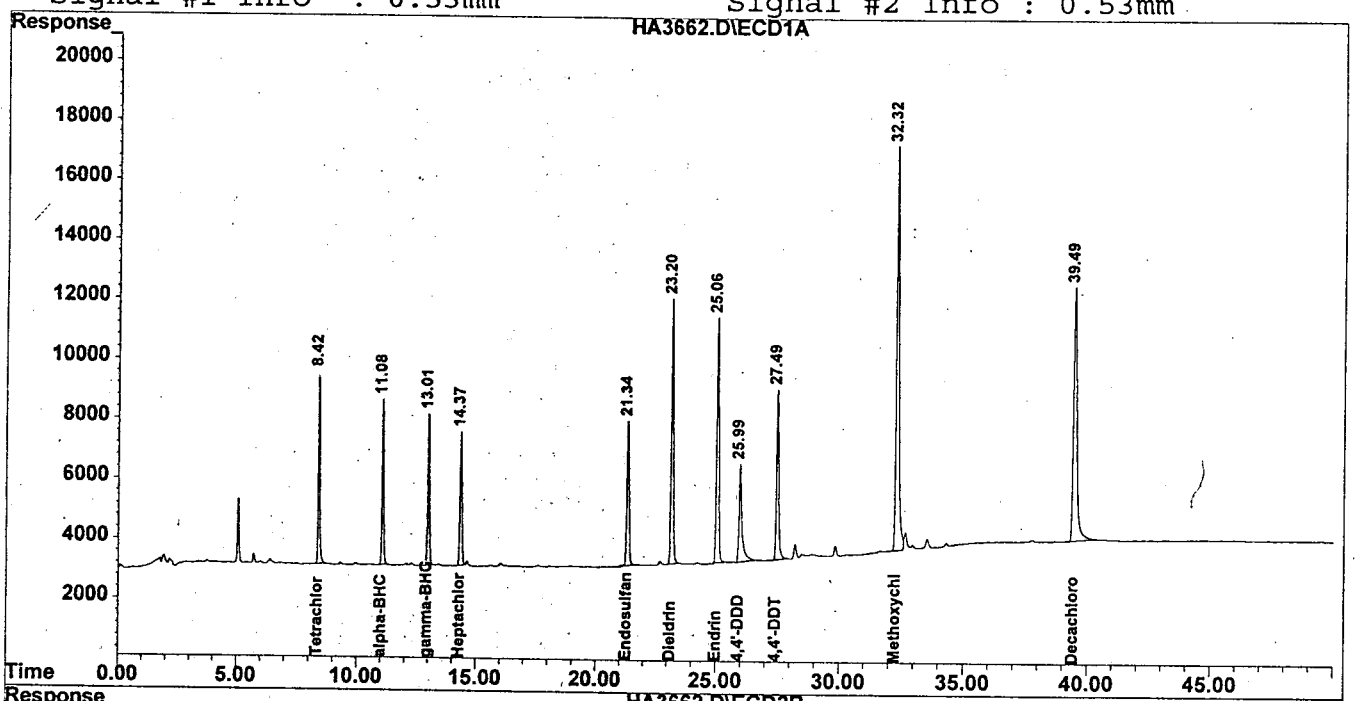
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

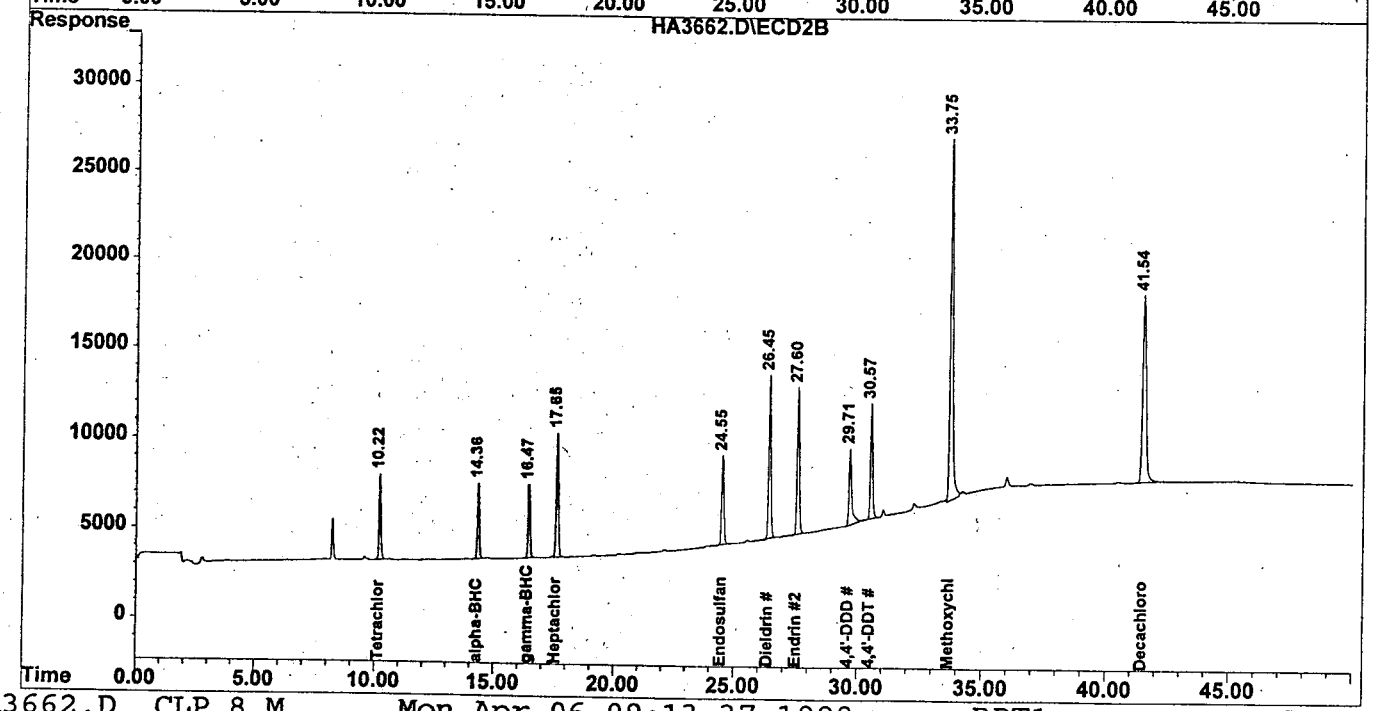
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD2B.CH
Acq On : 6 Apr 98 4:42 Operator:
Sample : INDAM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:03 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

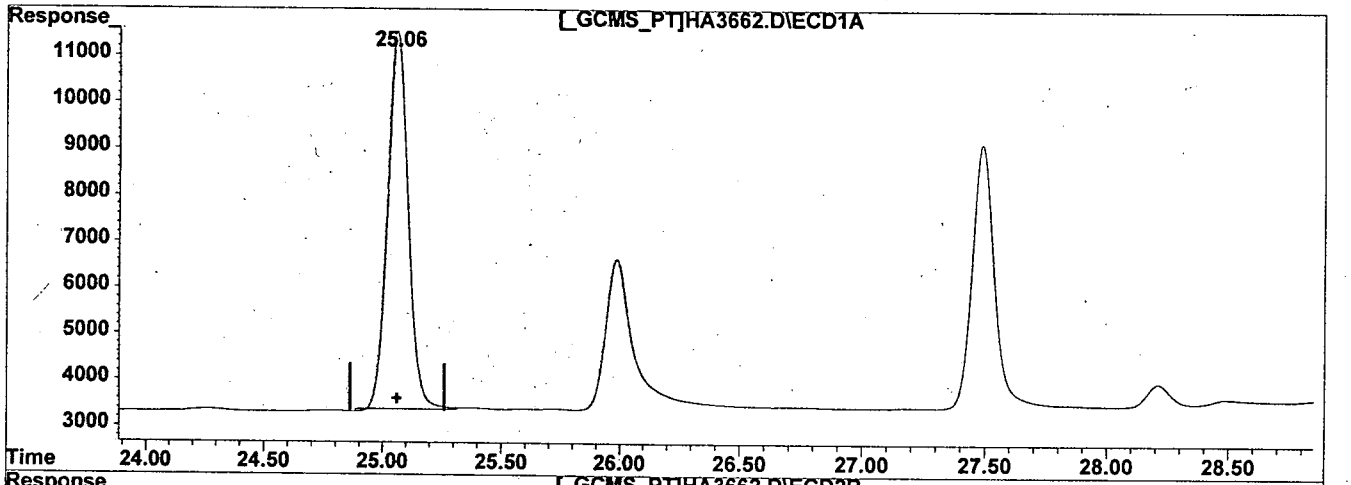


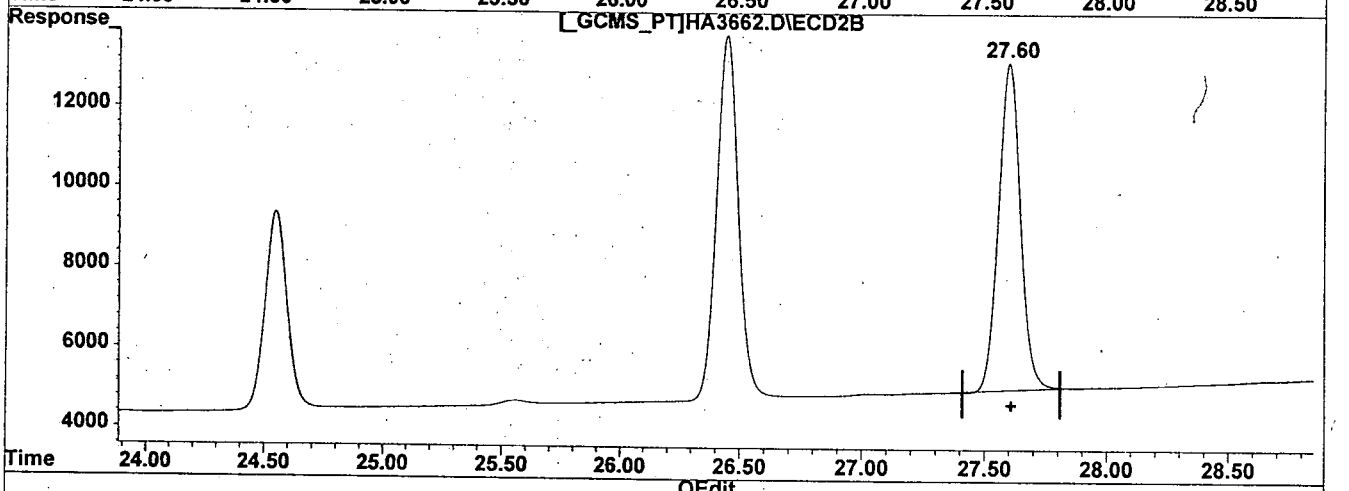


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_H\HA3662:D\ECD2B.CH
Acq On : 6 Apr 98 4:42 Operator:
Sample : INDAM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:03 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(14) Endrin (MA)

25.06min 37.249ng/ml m

response 500846

(14) Endrin #2 (MA)

27.60min 38.130ng/ml

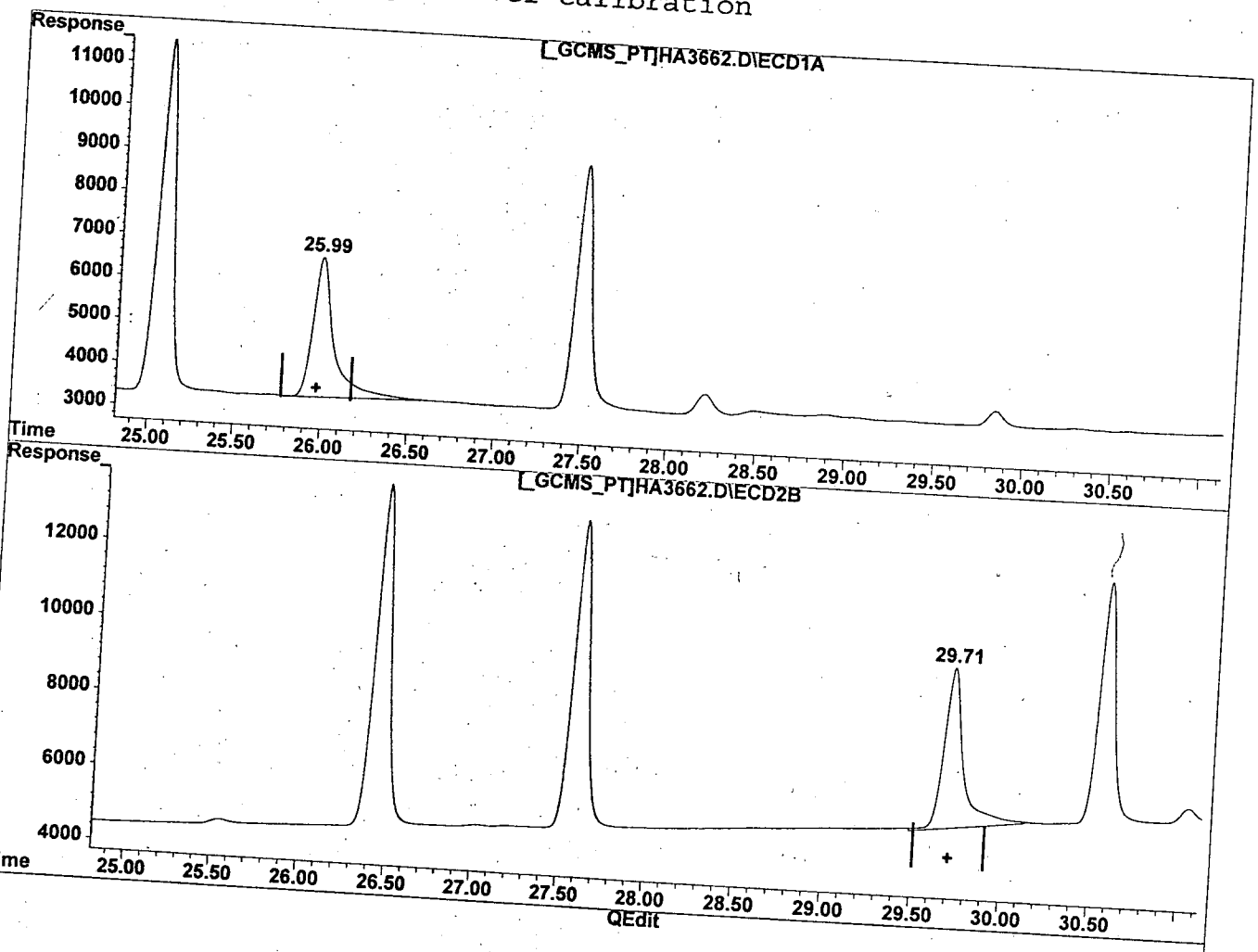
response 504012

(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD2B.CH
Acq On : 6 Apr 98 4:42 Vial: 11
Sample : INDAM05
Misc : Operator:
Inst : GC_5890_8
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E Multiplr: 1.00
Quant Time: Apr 6 9:03 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(16) 4,4'-DDD (A)

25.99min 32.712ng/ml

response 277213

(16) 4,4'-DDD #2 (A)

29.71min 37.167ng/ml m

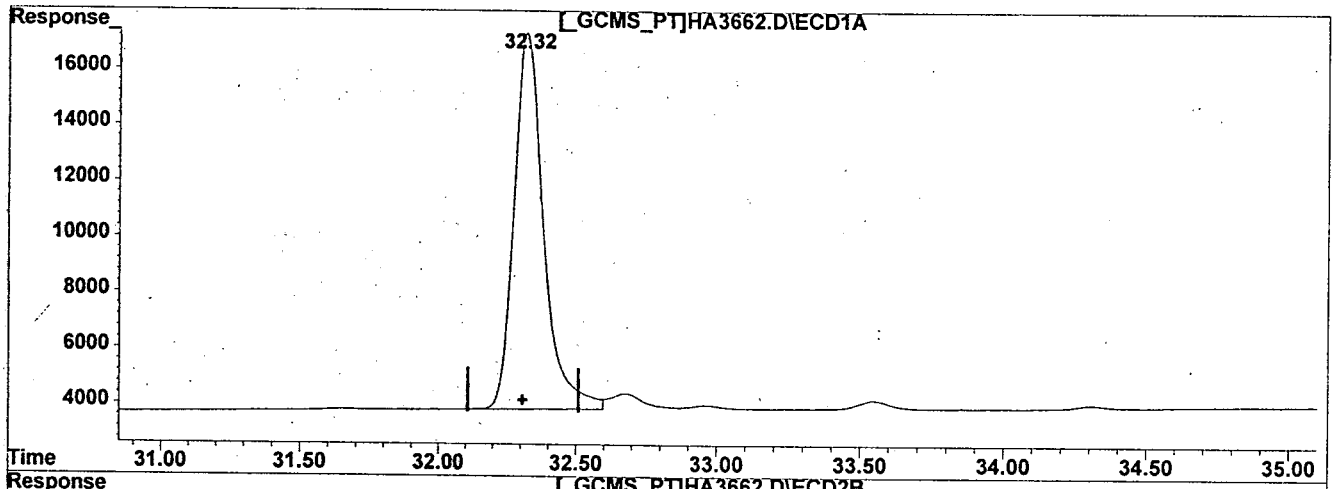
response 329724

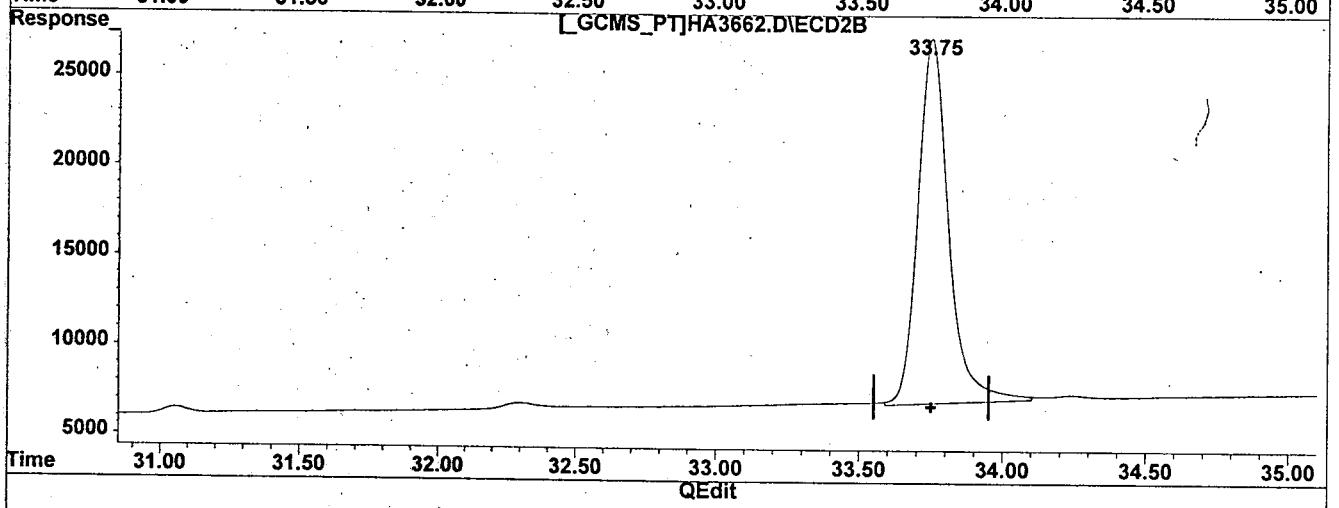
(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD1A.CH Vial: 11
Signal #2 : C:\HPCHEM\1\DATA_H\HA3662.D\ECD2B.CH
Acq On : 6 Apr 98 4:42 Operator:
Sample : INDAM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:03 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(20) Methoxychlor (A)

32.32min 173.694ng/ml

response 999631

(20) Methoxychlor #2 (A)

33.75min 193.603ng/ml m

response 1508150

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD2B.CH
Acq On : 7 Apr 98 5:16 Operator:
Sample : INDAM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 12:21 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.43	10.22	271321	251113	16.624	19.978	no Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					41.56%#	49.95%#	
22) SA Decachlorobiphen	39.49	41.53	800182	1035982	36.026	39.015m	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					90.07%	97.54%	
Target Compounds							
2) A alpha-BHC	11.08	14.36	250555	225265	19.430	19.603	0.02
3) MA gamma-BHC (Linda	13.01	16.47	250125	234778	18.810	19.776	
4) MA Heptachlor	14.38	17.65	242261	417498	20.182	20.113	
9) A Endosulfan I	21.35	24.55	298482	356957	19.245	22.584	
13) MA Dieldrin	23.20	26.45	522720	544206	37.591	38.529	0.04
14) MA Endrin	25.07	27.60	489600	517716	36.413	39.167	
16) A 4,4'-DDD	25.98	29.70	299566	324868	35.350m	36.620m	
17) MA 4,4'-DDT	27.49	30.57	349346	450735	36.904	46.598 #	
20) A Methoxychlor	32.32	33.74	1026414	1511890	178.348m	194.084m	0.20
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	

2034/17/08

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD2B.CH
Acq On : 7 Apr 98 5:16 Operator:
Sample : INDAM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 12:21 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

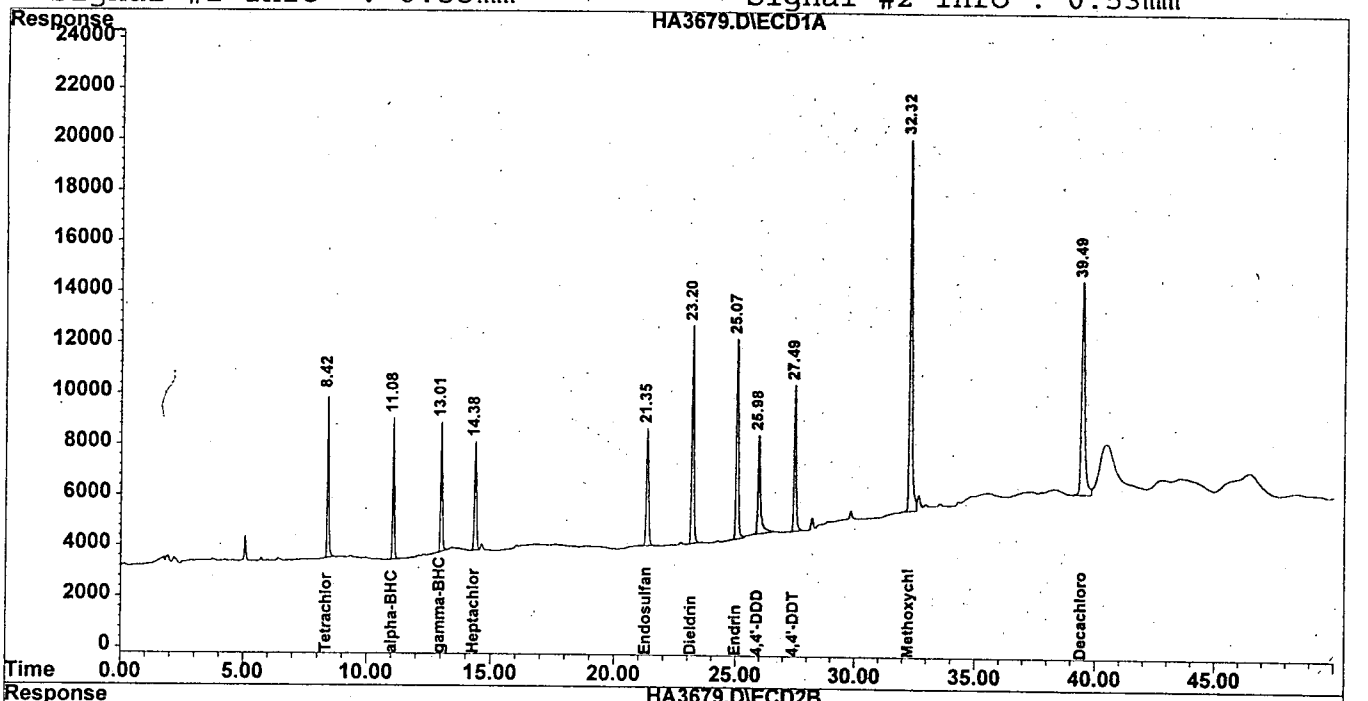
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

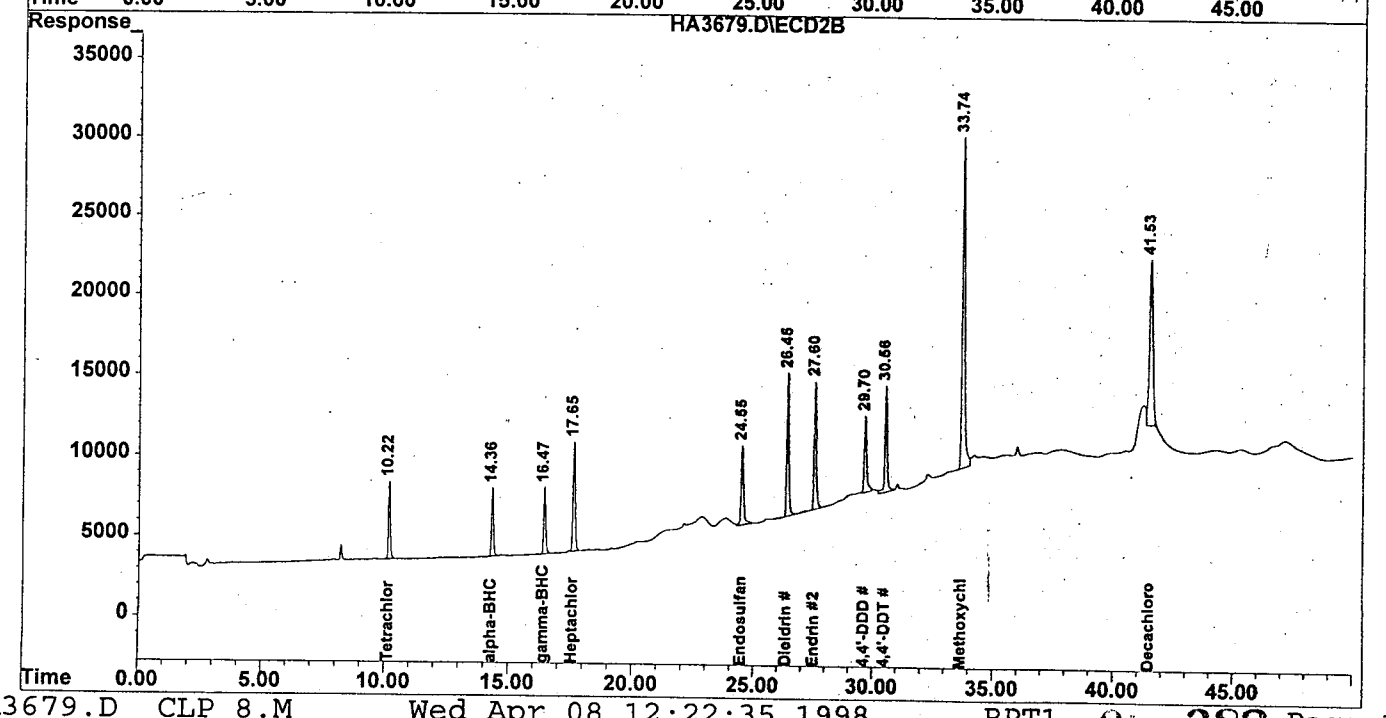
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD2B.CH
Acq On : 7 Apr 98 5:16 Operator:
Sample : INDAM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 12:21 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



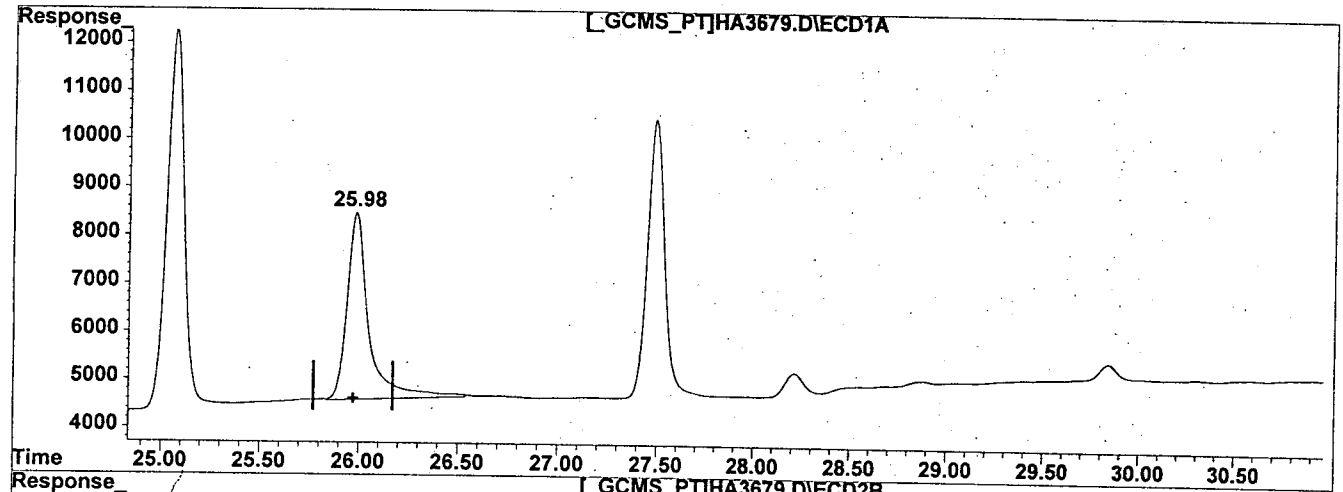


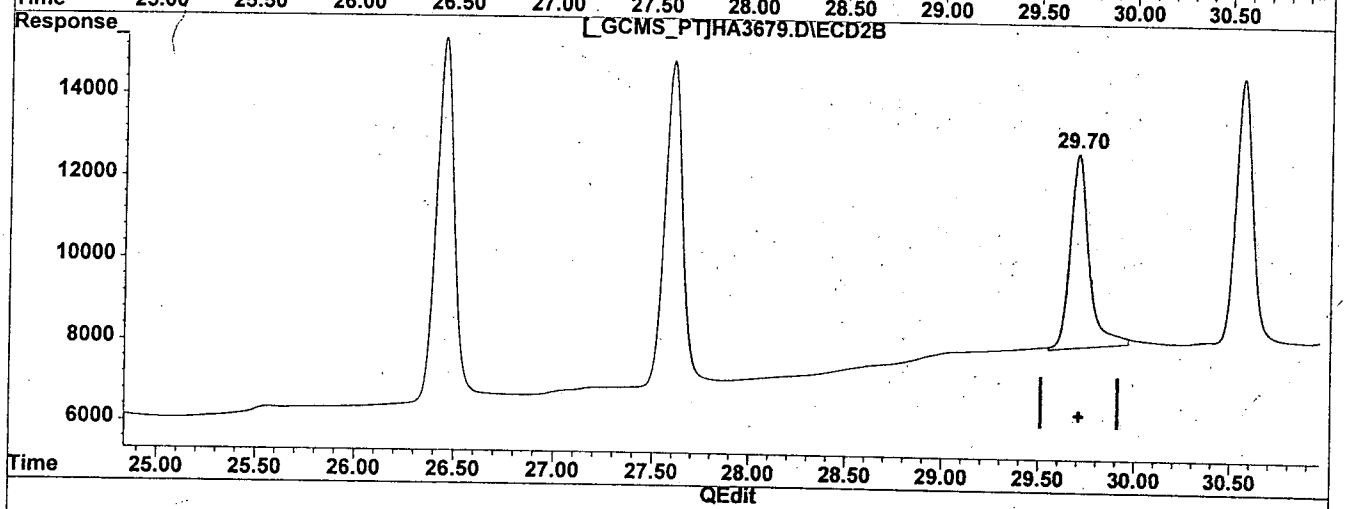
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD2B.CH
Acq On : 7 Apr 98 5:16
Sample : INDAM06
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 12:21 1998 Quant Results File: CLP_8.RES

Vial: 15
Operator:
Inst : GC_5890_8
Multiplr: 1.00

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(16) 4,4'-DDD (A)

25.98min 35.350ng/ml m

response 299566

(16) 4,4'-DDD #2 (A)

29.70min 36.620ng/ml m

response 324868

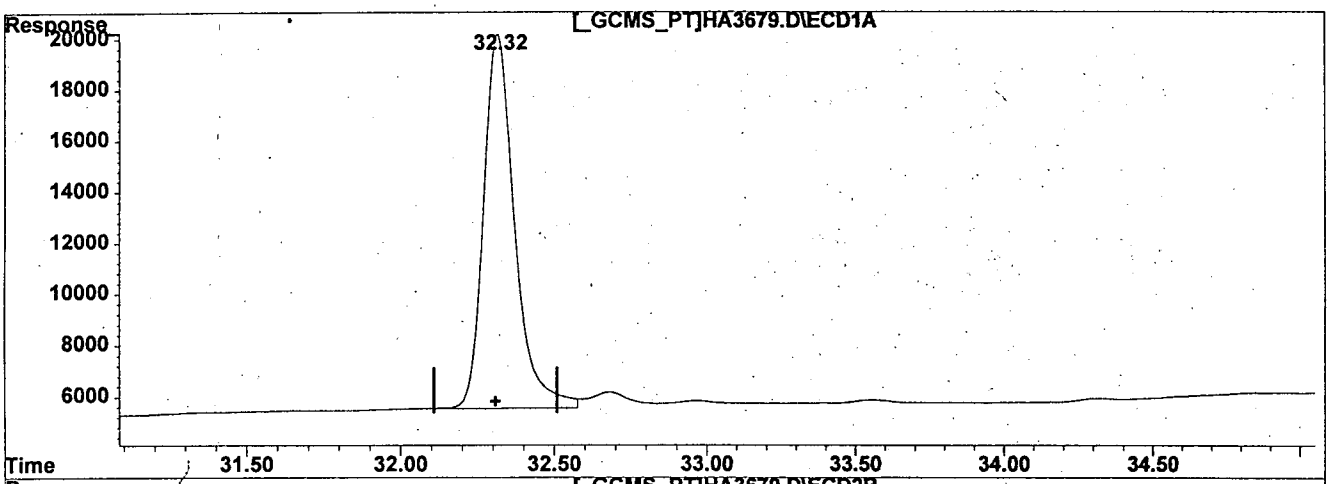
(+) = Expected Retention Time

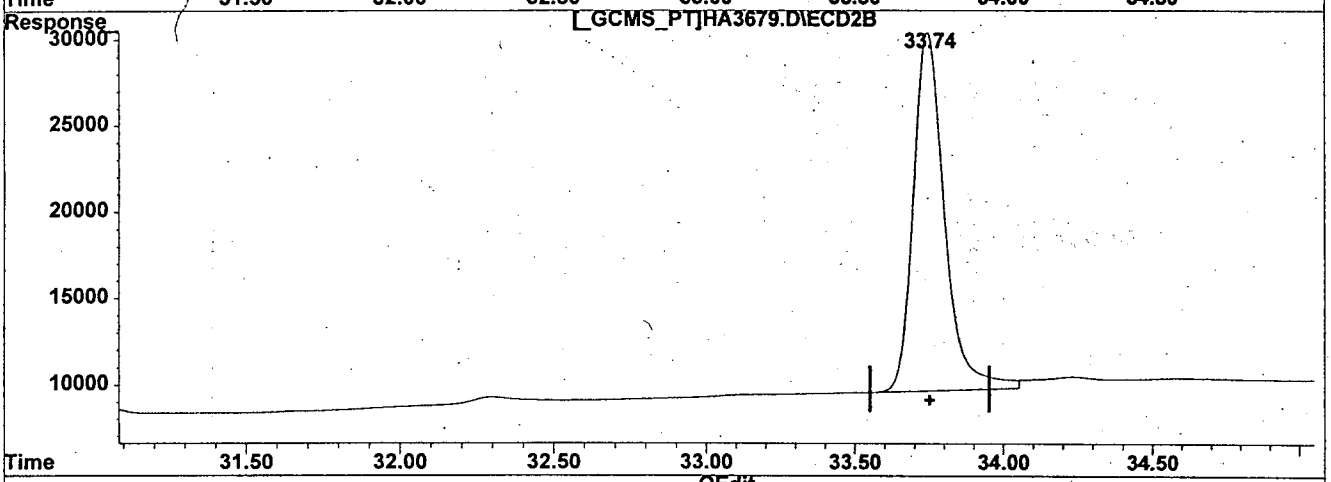
HA3679.D CLP_8.M Fri Apr 10 19:43:09 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD2B.CH
Acq On : 7 Apr 98 5:16 Operator:
Sample : INDAM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 12:21 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(20) Methoxychlor (A)

32.32min 178.348ng/ml m

response 1026414

(20) Methoxychlor #2 (A)

33.74min 194.084ng/ml m

response 1511890

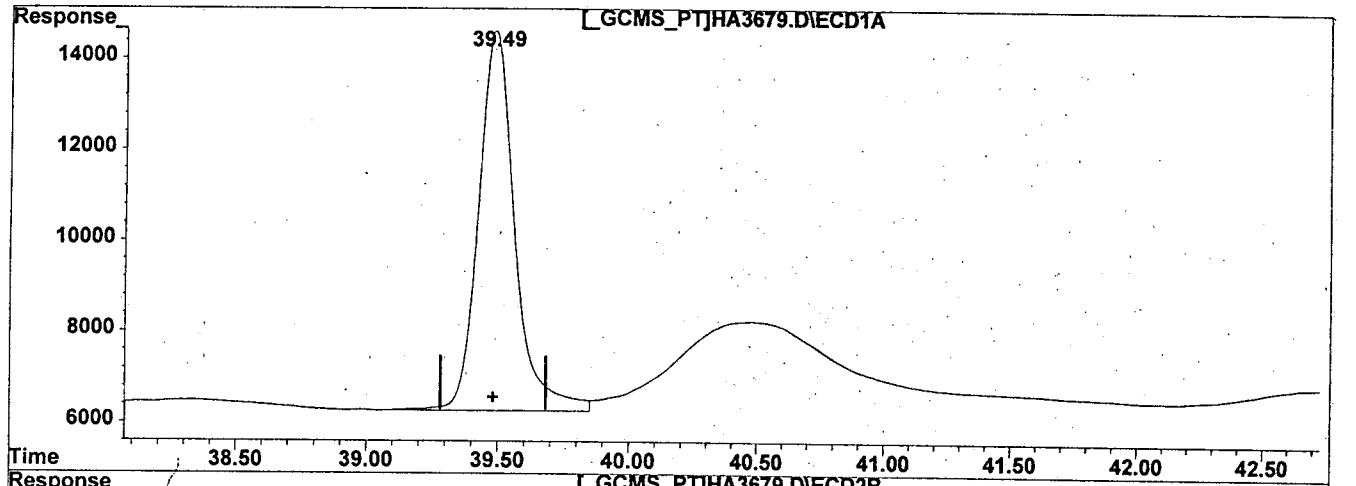
(+) = Expected Retention Time

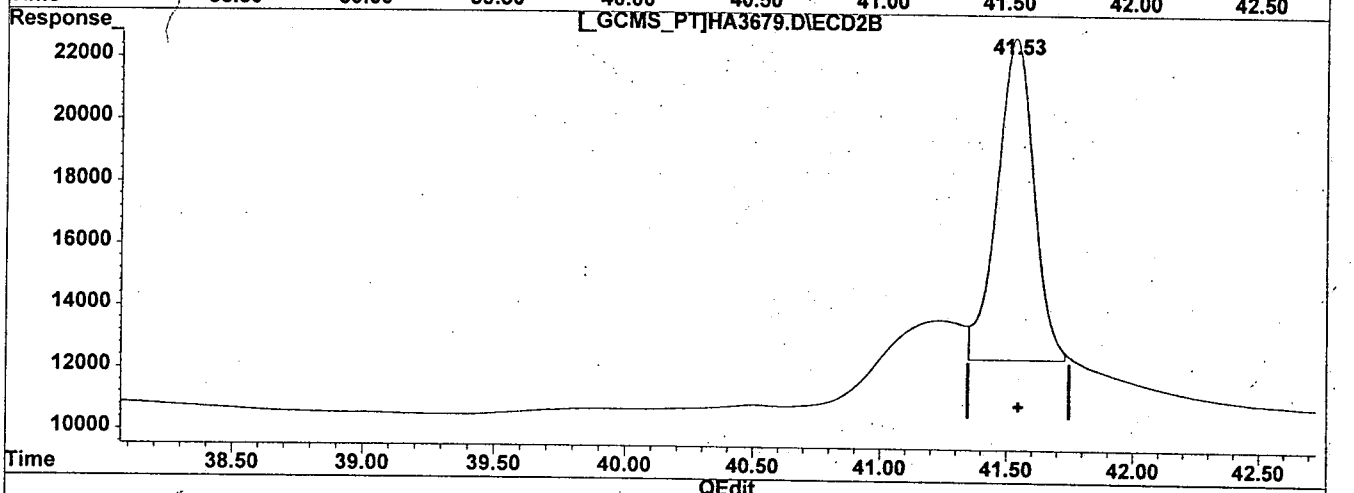
HA3679.D CLP_8.M Fri Apr 10 19:43:20 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3679.D\ECD2B.CH
Acq On : 7 Apr 98 5:16 Operator:
Sample : INDAM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 12:21 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 36.026ng/ml

response 800182

(22) Decachlorobiphenyl #2 (SA)

41.53min 39.015ng/ml m

response 1035982

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD2B.CH
Acq On : 9 Apr 98 5:15 Operator:
Sample : INDAM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:37 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	System Monitoring Compounds							
1)	SA Tetrachloro-m-xy	8.42	10.22	276581	249106	16.946	19.818	0.02
	Spiked Amount 40.000 Range 60 - 150 Recovery =					42.37%#	49.55%#	
22)	SA Decachlorobiphen	39.49	41.53	864779	1029732	38.934	38.779	0.04
	Spiked Amount 40.000 Range 60 - 150 Recovery =					97.33%	96.95%	
	Target Compounds							
2)	A alpha-BHC	11.08	14.36	246152	219429	19.089	19.096	0.02
7)	MA gamma-BHC (Linda	13.01	16.47	250776	231273	18.859	19.481	
8)	MA Heptachlor	14.37	17.64	242609	425014	20.211	20.475	
9)	A Endosulfan I	21.34	24.54	311220	286312	20.066	18.115	
1[illegible])	MA Dieldrin	23.20	26.44	543648	560220	39.096	39.663	0.04
1[illegible])	MA Endrin	25.06	27.59	492222	480449	36.608	36.347	
16)	A 4,4'-DDD	26.01	29.71	257005	315717	30.328	35.588m	
17)	MA 4,4'-DDT	27.49	30.56	343132	382558	36.248	39.550	
2[illegible])	A Methoxychlor	32.33	33.75	879851	1363258	152.882m	175.003m	0.20
	Sum Aroclor-1016			0	0	N.D.	N.D.	
	Average Aroclor-1016					0.000	0.000	
	Sum Aroclor-1221			0	0	N.D.	N.D.	
	Average Aroclor-1221					0.000	0.000	
	Sum Aroclor-1232			0	0	N.D.	N.D.	
	Average Aroclor-1232					0.000	0.000	
	Sum Aroclor-1242			0	0	N.D.	N.D.	
	Average Aroclor-1242					0.000	0.000	
	Sum Aroclor-1248			0	0	N.D.	N.D.	
	Average Aroclor-1248					0.000	0.000	
	Sum Aroclor-1254			0	0	N.D.	N.D.	
	Average Aroclor-1254					0.000	0.000	
	Sum Aroclor-1260			0	0	N.D.	N.D.	
	Average Aroclor-1260					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD2B.CH
Acq On : 9 Apr 98 5:15 Operator:
Sample : INDAM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:37 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

Jas 4/8/98

387

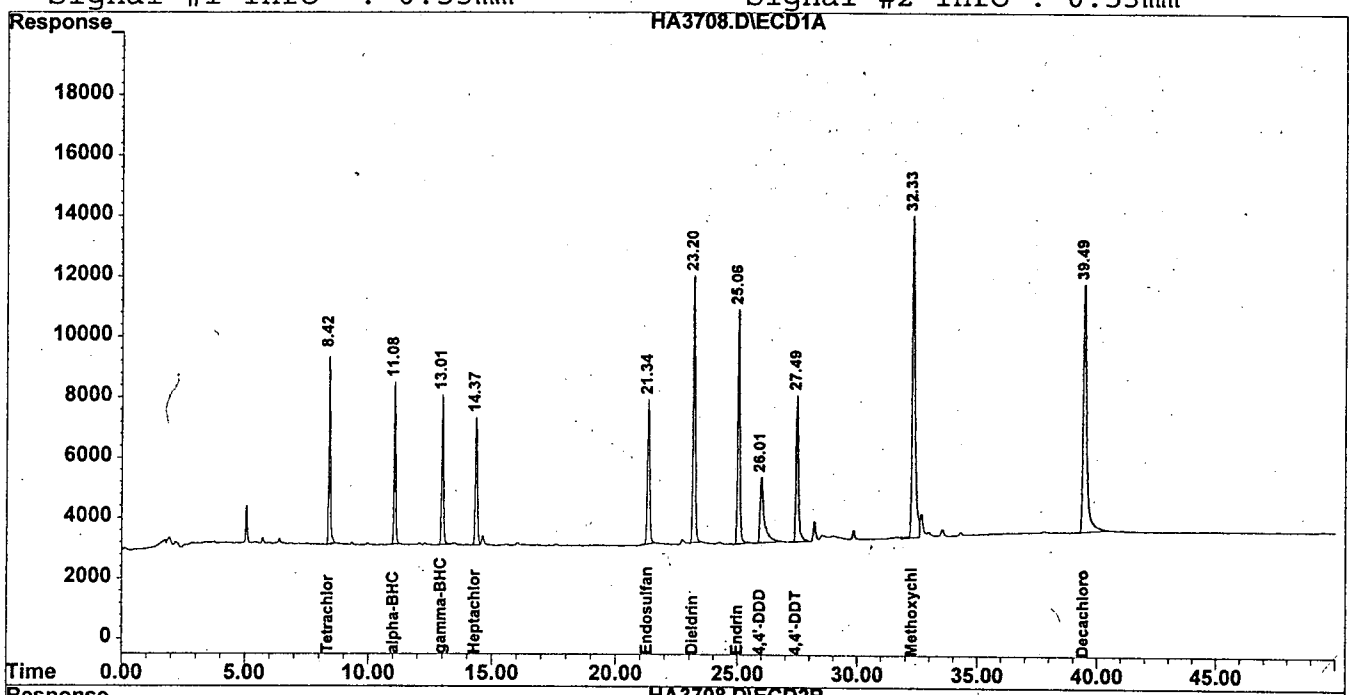
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

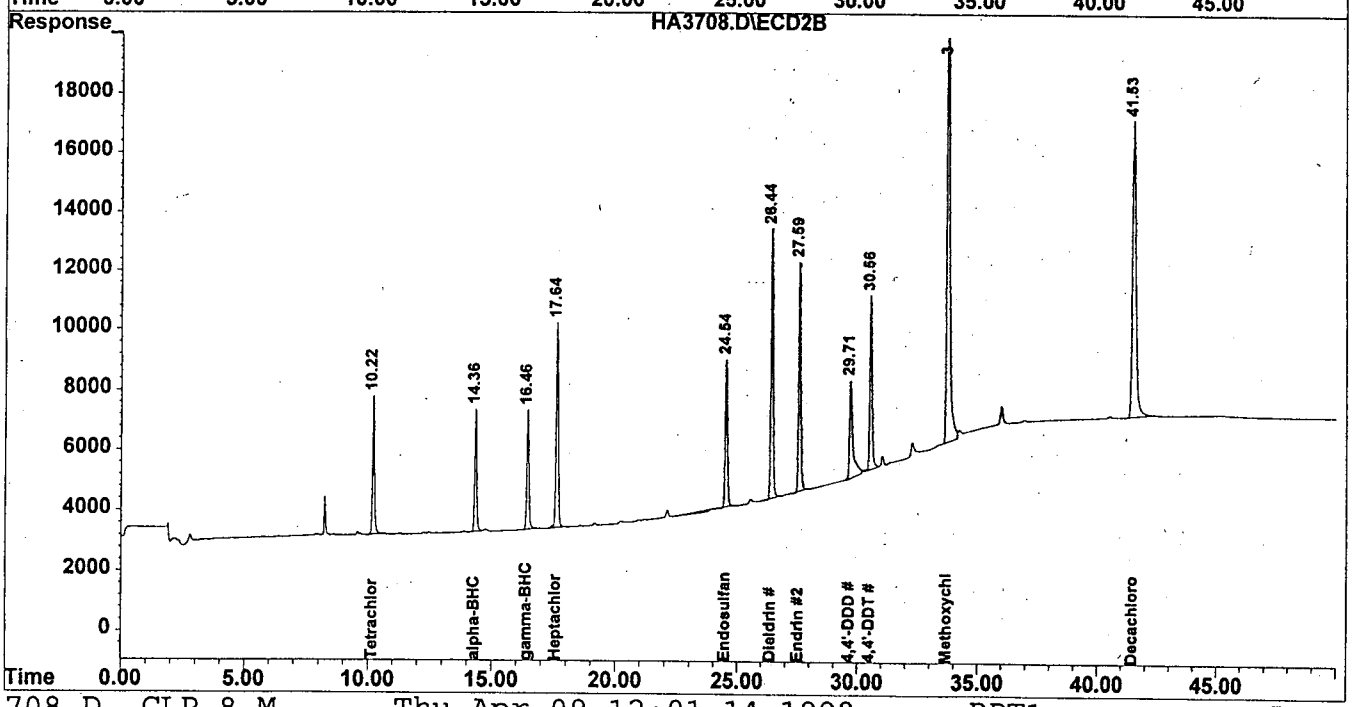
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD2B.CH
Acq On : 9 Apr 98 5:15 Operator:
Sample : INDAM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:37 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

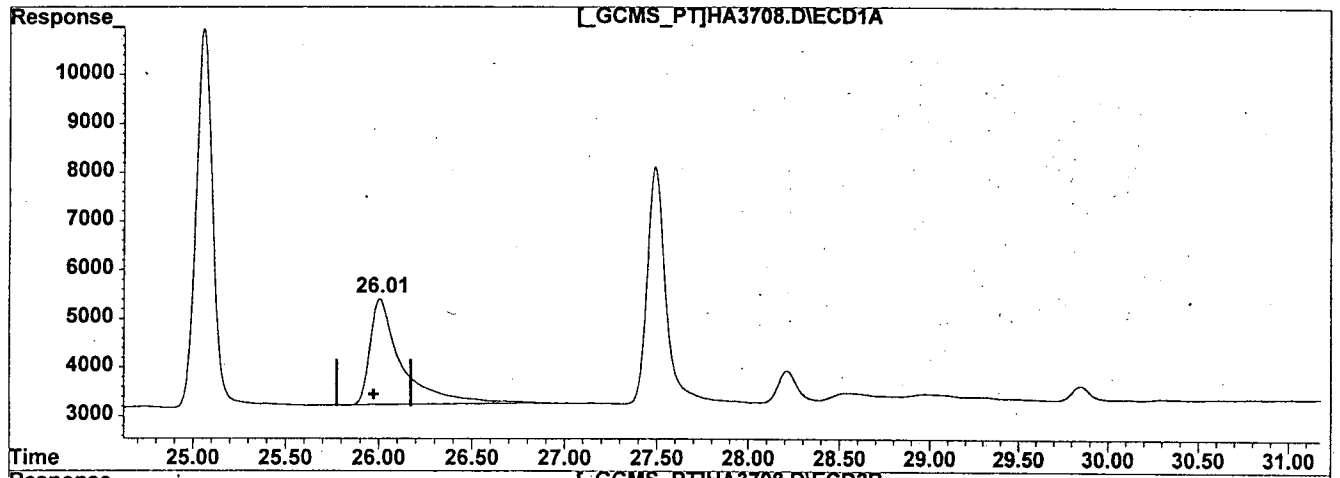


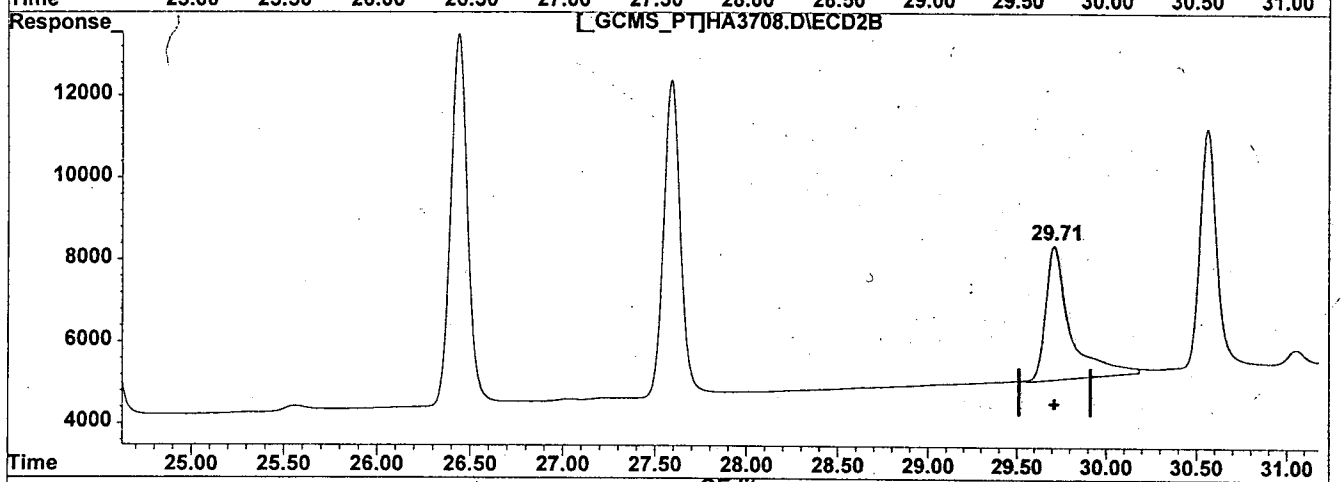


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD2B.CH
Acq On : 9 Apr 98 5:15 Operator:
Sample : INDAM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:37 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(16) 4,4'-DDD (A)

26.01min 30.328ng/ml

response 257005

(16) 4,4'-DDD #2 (A)

29.71min 35.588ng/ml m

response 315717

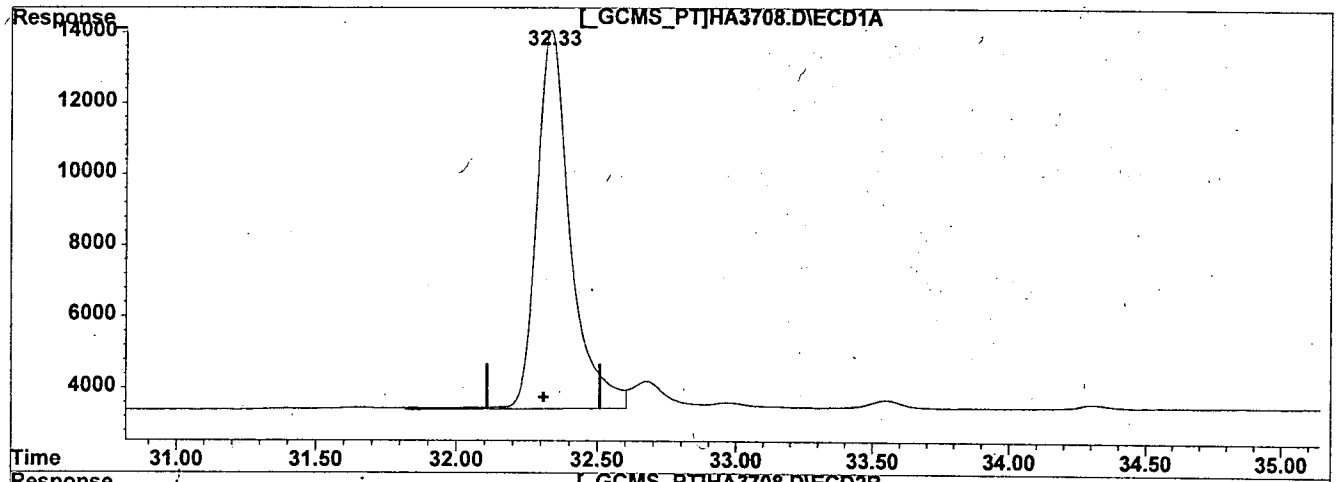
(+) = Expected Retention Time

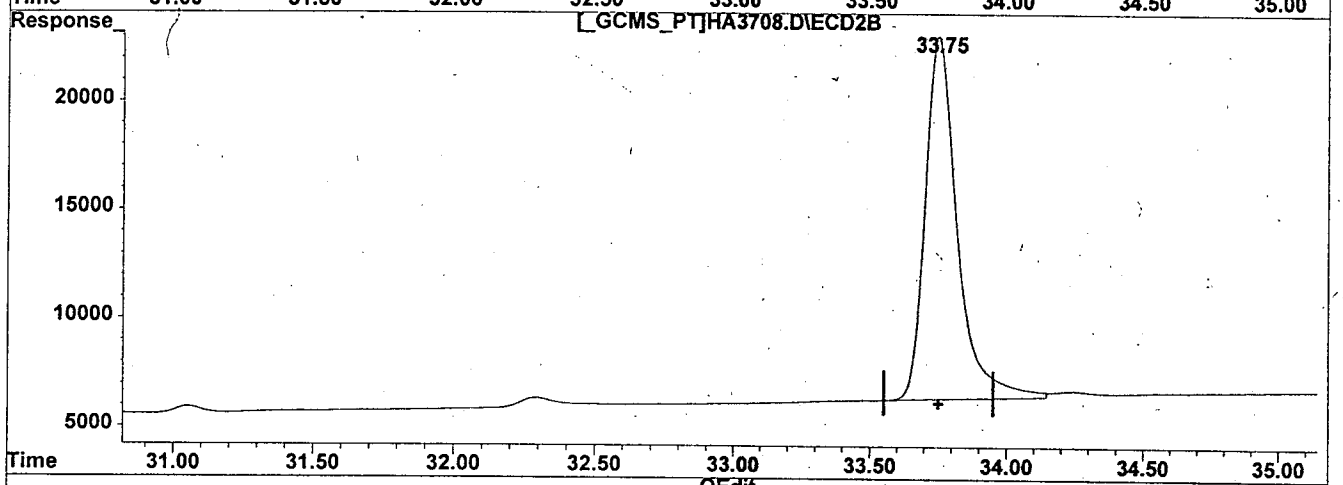
HA3708.D CLP_8.M Fri Apr 10 20:17:44 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD1A.CH Vial: 26
Signal #2 : C:\HPCHEM\1\DATA_H\HA3708.D\ECD2B.CH
Acq On : 9 Apr 98 5:15 Operator:
Sample : INDAM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:37 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(20) Methoxychlor (A)

32.33min 152.882ng/ml m

response 879851

(20) Methoxychlor #2 (A)

33.75min 175.003ng/ml m

response 1363258

(+) = Expected Retention Time

HA3708.D CLP_8.M Fri Apr 10 20:18:04 1998 RPT1

Signal #1 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD2B.CH
Acq On : 26 Mar 98 1:42 Operator:
Sample : INDBM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:40 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	346795	259343	21.249	20.633	no Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					53.12%#	51.58%#	
2) SA Decachlorobiphen	39.48	41.54	924128	1095112	41.606	41.241	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					104.02%	103.10%	
Target Compounds							
5) MB Aldrin	16.04	19.18	249995	235001	22.307	21.151	0.02
6) B beta-BHC	14.23	20.59	165981	134314	21.001	21.020	
7) B delta-BHC	15.54	21.94	173228	148669	21.362	20.784	
8) B Heptachlor epoxi	19.37	23.02	290521	282343	21.297	20.662	
10) B gamma-Chlordane	20.40	24.81	306331	307396	21.321	20.903	
11) B alpha-Chlordane	21.23	25.15	304252	293098	21.387	20.833	
12) B 4,4'-DDE	22.69	25.55	477328	436523	43.547	42.169	0.04
15) B Endosulfan II	26.52	30.11	498809	488438	43.526	42.235	
18) B Endrin aldehyde	28.21	32.30	465155	481648	43.341	44.713m	
19) B Endosulfan Sulfa	29.09	33.96	388128	368795	42.079	41.007	
21) B Endrin ketone	32.68	36.03	457920	454914	42.062m	41.354m	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

2032/31/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD2B.CH
Acq On : 26 Mar 98 1:42 Operator:
Sample : INDBM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:40 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

Dm 3/31/98

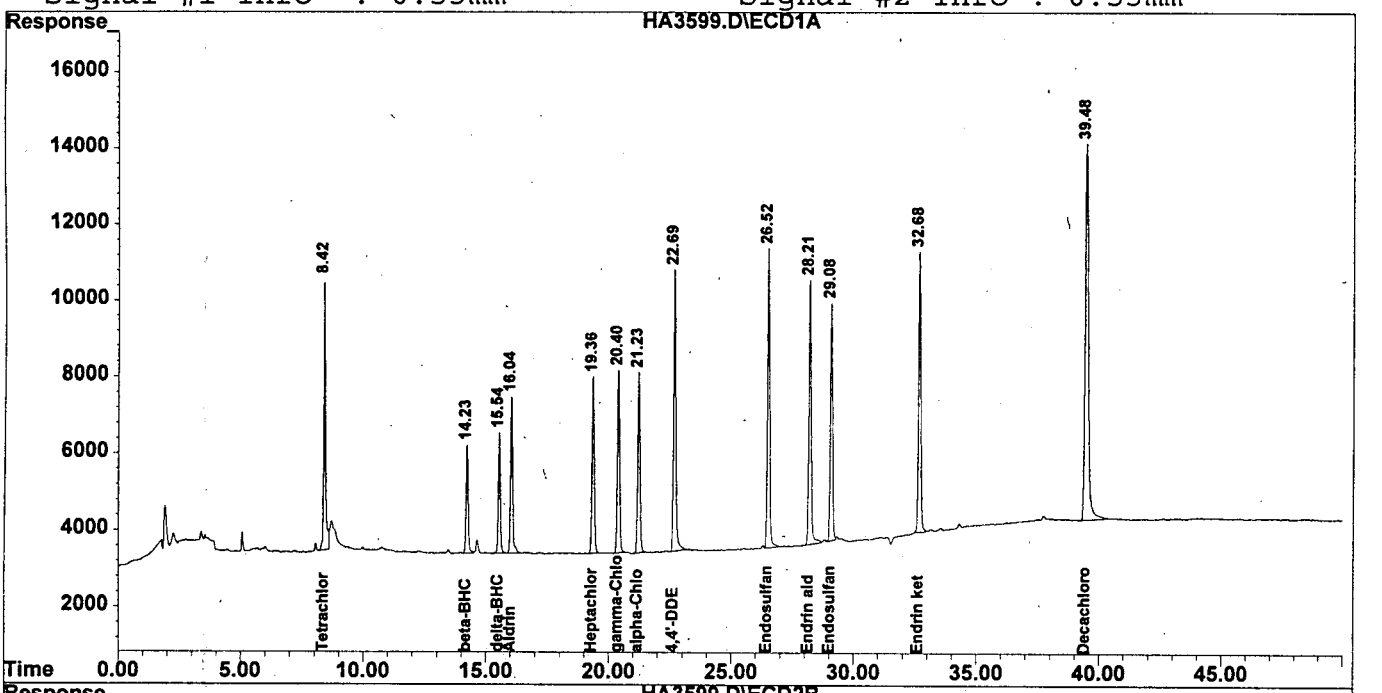
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

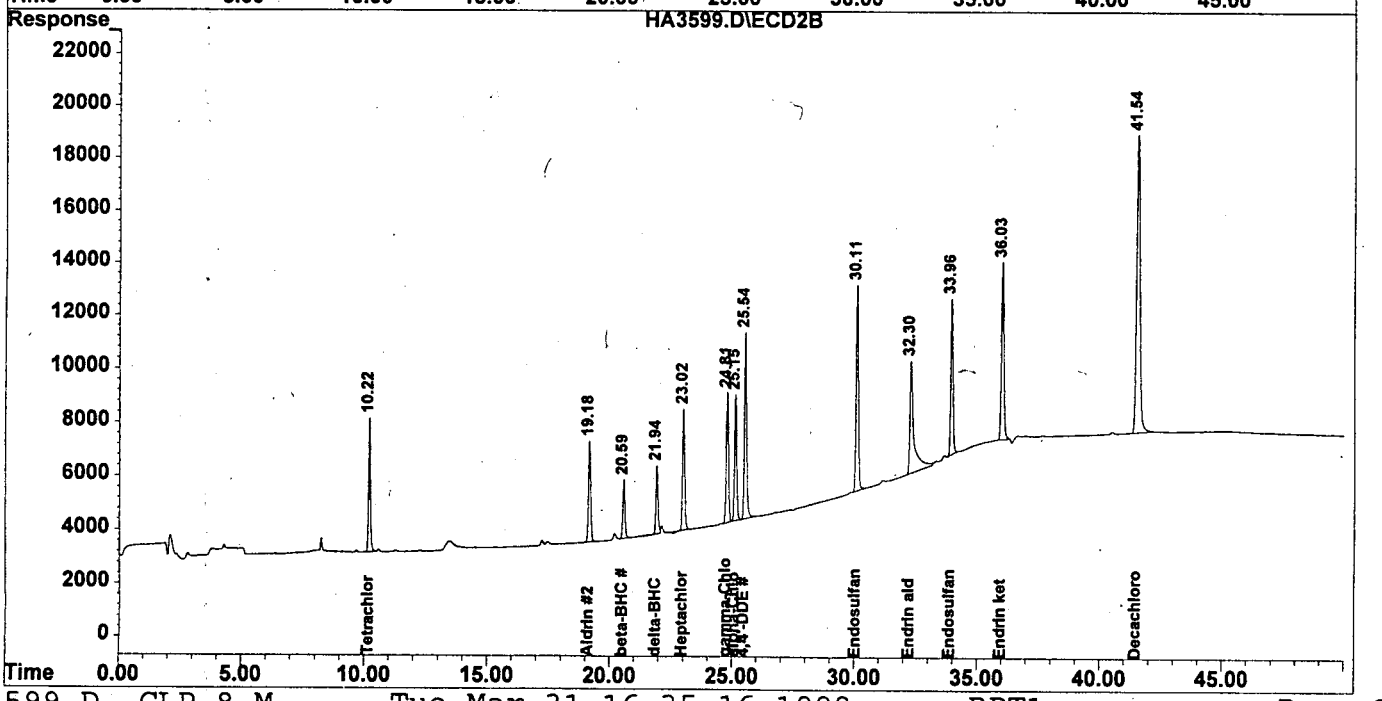
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD2B.CH
Acq On : 26 Mar 98 1:42 Operator:
Sample : INDBM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:40 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

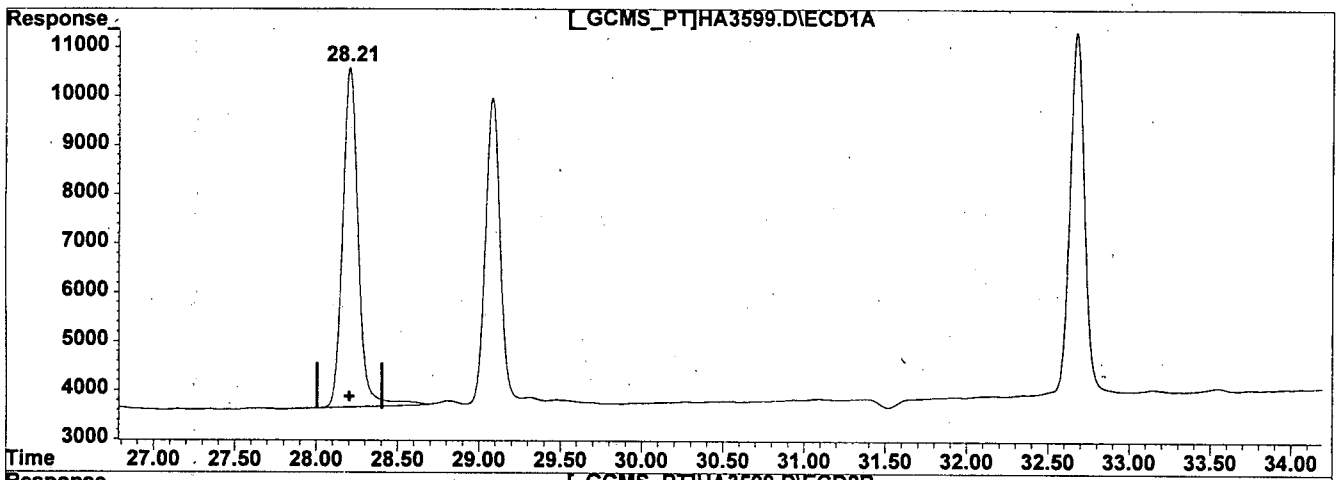


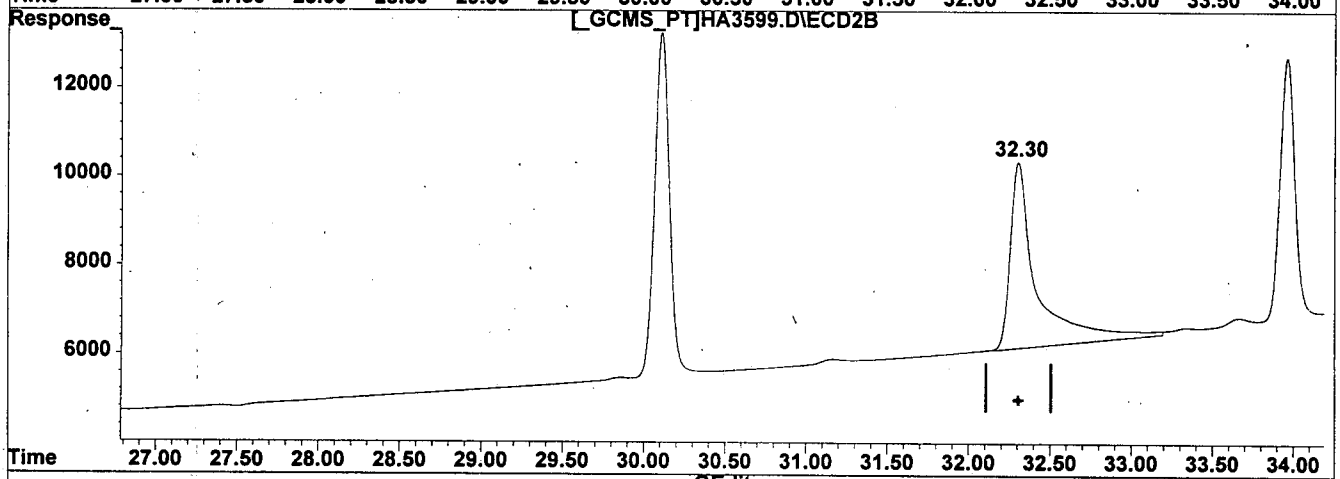


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD2B.CH
Acq On : 26 Mar 98 1:42 Operator:
Sample : INDBM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:40 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(18) Endrin aldehyde (B)

28.21min 43.341ng/ml

response 465155

(18) Endrin aldehyde #2 (B)

32.30min 44.713ng/ml m

response 481648

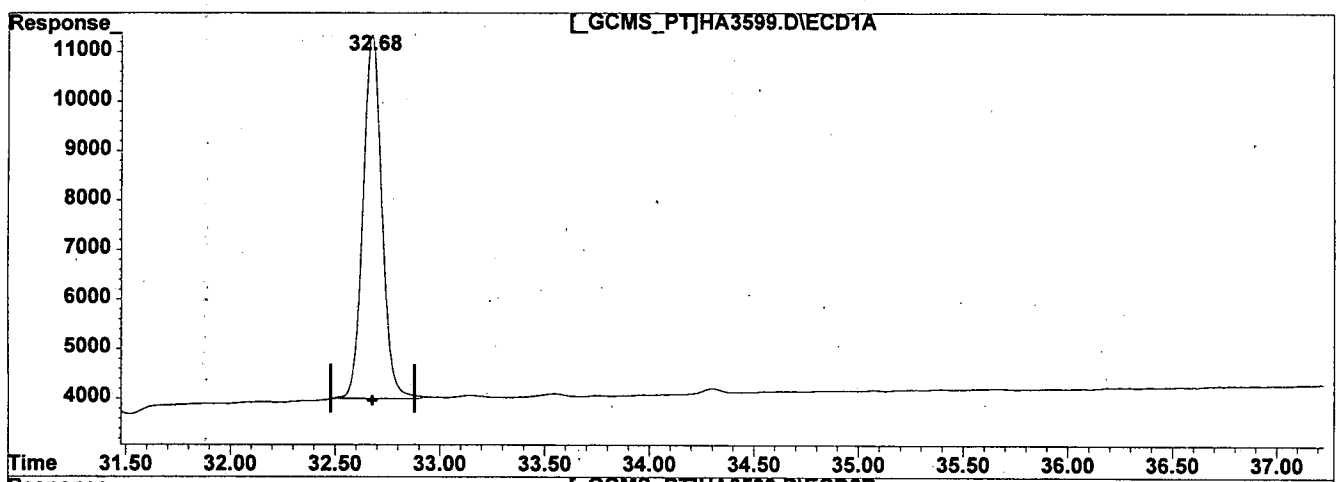
(+) = Expected Retention Time

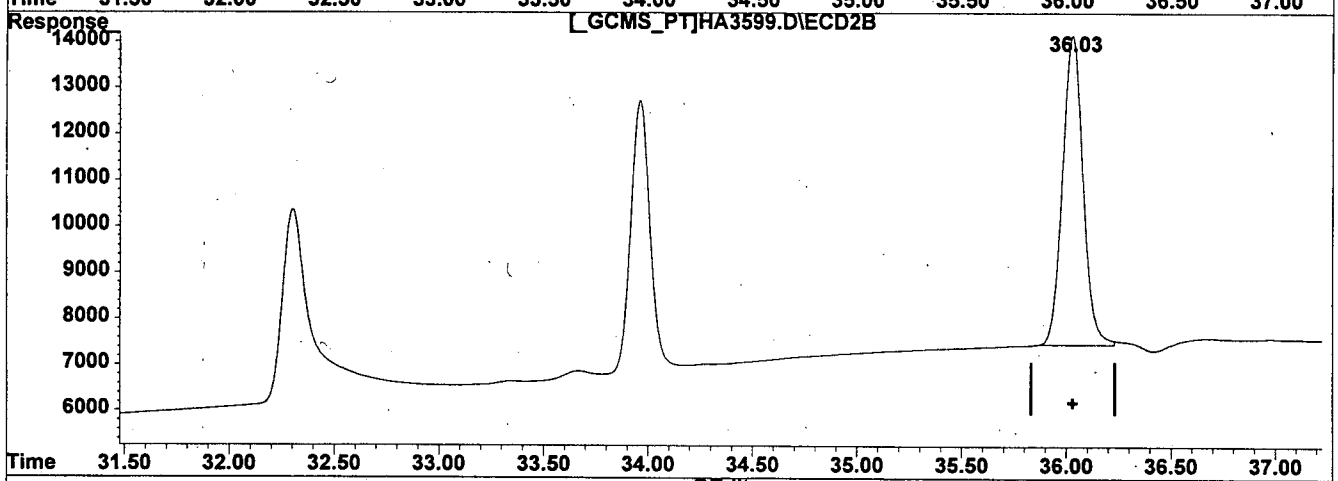
HA3599.D CLP_8.M Tue Mar 31 17:25:16 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD1A.CH Vial: 29
Signal #2 : C:\HPCHEM\1\DATA_H\HA3599.D\ECD2B.CH
Acq On : 26 Mar 98 1:42 Operator:
Sample : INDBM02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:40 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(21) Endrin ketone (B)

32.68min 42.062ng/ml m

response 457920

(21) Endrin ketone #2 (B)

36.03min 41.354ng/ml m

response 454914

(+) = Expected Retention Time

HA3599.D CLP_8.M Tue Mar 31 17:25:25 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD2B.CH
Acq On : 27 Mar 98 7:39 Operator:
Sample : INDBM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:13 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	315824	250748	19.351	19.949	ns Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					48.38%#	49.87%#	
2) SA Decachlorobiphen	39.47	41.52	902575	1071318	40.635	40.345	0.07
Spiked Amount 40.000 Range 60 - 150 Recovery =					101.59%	100.86%	
Target Compounds							
5) MB Aldrin	16.03	19.17	239685	229148	21.387	20.624	0.02
6) B beta-BHC	14.22	20.58	160642	130874	20.326	20.482	
7) B delta-BHC	15.53	21.93	174896	147357	21.568	20.601	
8) B Heptachlor epoxi	19.36	23.01	290467	277251	21.293	20.289	
10) B gamma-Chlordane	20.39	24.80	304219	298143	21.174	20.274	
11) B alpha-Chlordane	21.22	25.13	296638	283545	20.852	20.154	
12) B 4,4'-DDE	22.68	25.53	474171	425758	43.258	41.129	0.07
15) B Endosulfan II	26.51	30.10	488591	554475	42.634	47.945	
18) B Endrin aldehyde	28.20	32.29	457391	453786	42.618	42.126m	
19) B Endosulfan Sulfa	29.08	33.95	406310	373098	44.050	41.485	
21) B Endrin ketone	32.67	36.01	467506	447714	42.942m	40.699m	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Signal #1 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD2B.CH
Acq On : 27 Mar 98 7:39 Operator:
Sample : INDBM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:13 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
verage Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
verage Toxaphene					0.000	0.000

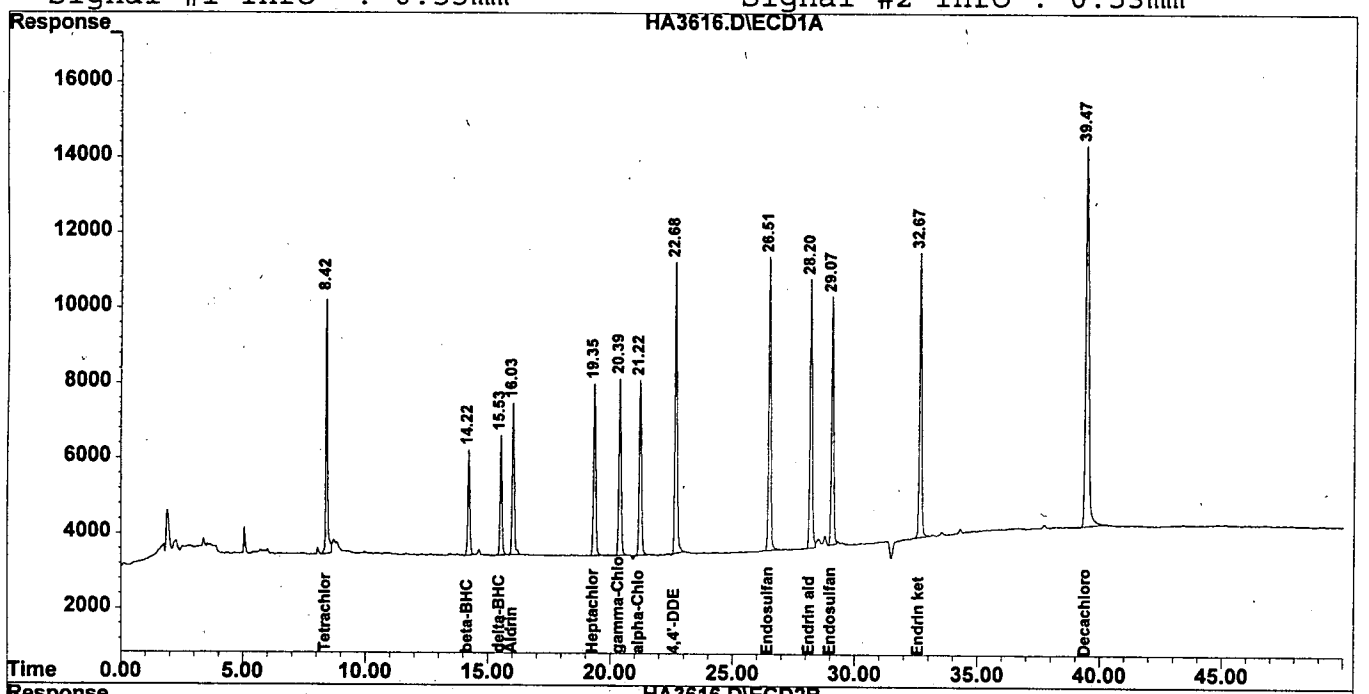
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

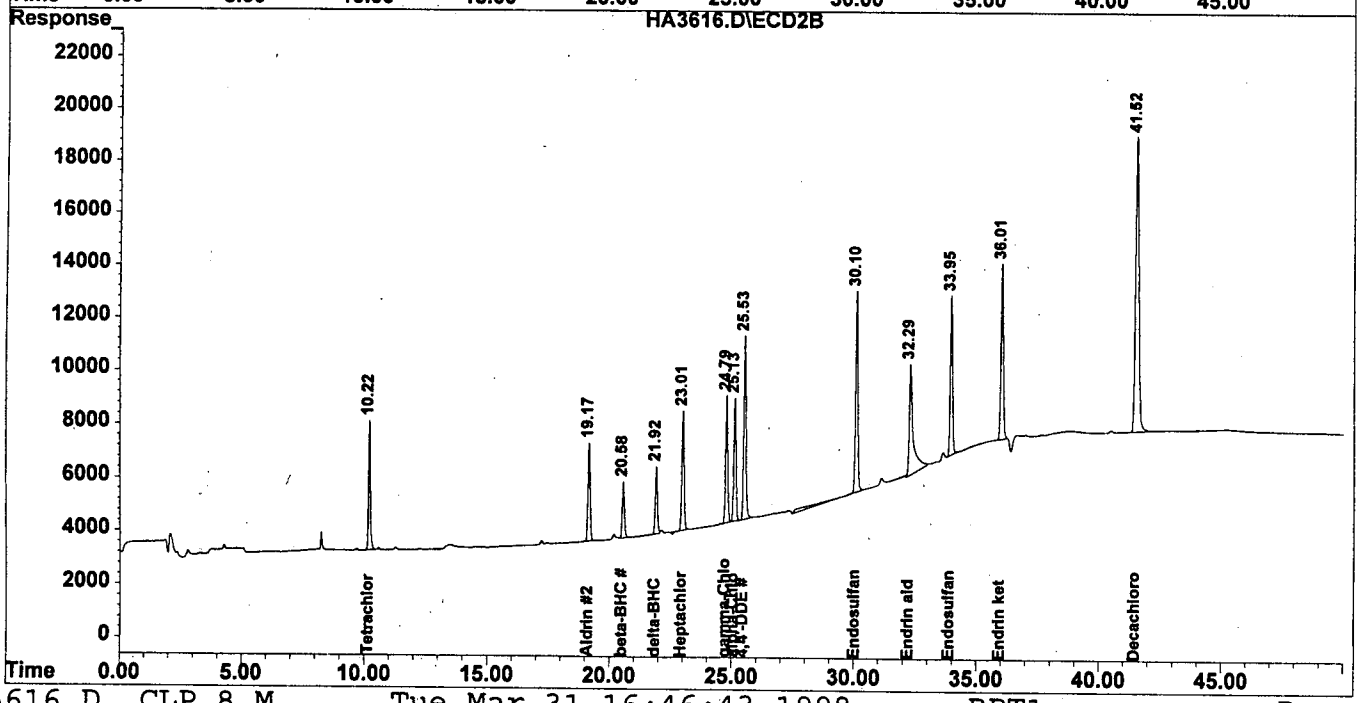
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD2B.CH
Acq On : 27 Mar 98 7:39 Operator:
Sample : INDBM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:13 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

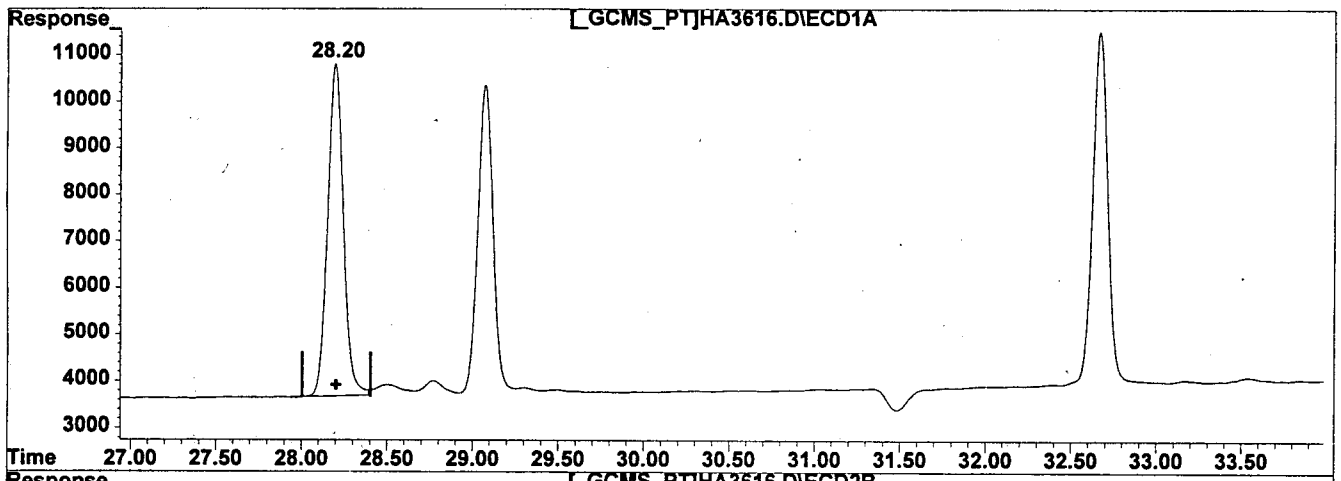


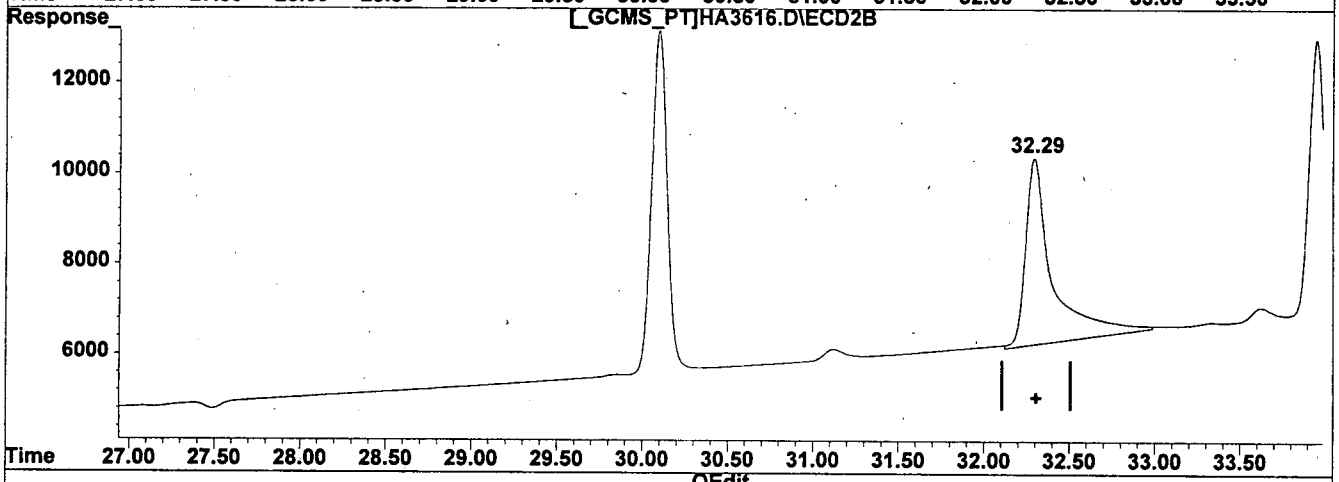


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD2B.CH
Acq On : 27 Mar 98 7:39 Operator:
Sample : INDBM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:13 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(18) Endrin aldehyde (B)

28.20min 42.618ng/ml

response 457391

(18) Endrin aldehyde #2 (B)

32.29min 42.126ng/ml m

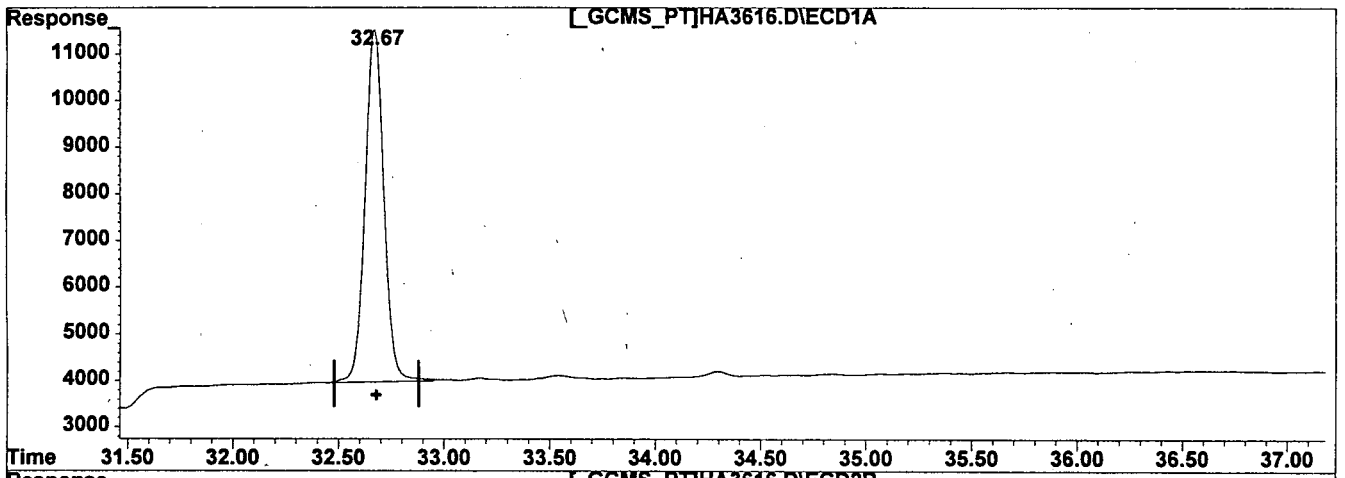
response 453786

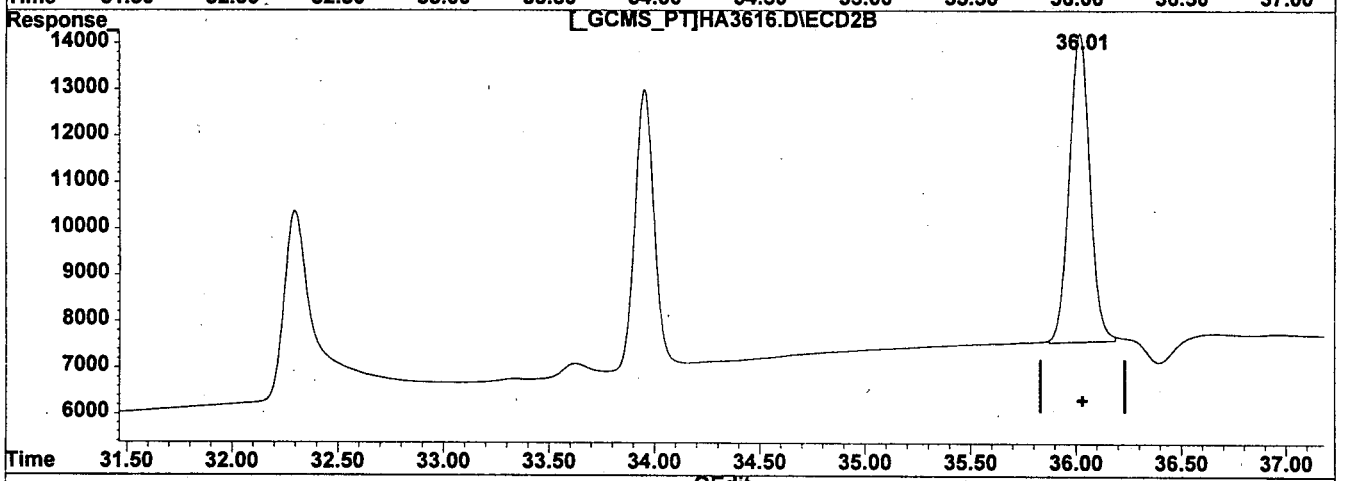
(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD1A.CH Vial: 17
Signal #2 : C:\HPCHEM\1\DATA_H\HA3616.D\ECD2B.CH
Acq On : 27 Mar 98 7:39 Operator:
Sample : INDBM03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:13 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(21) Endrin ketone (B)

32.67min 42.942ng/ml m

response 467506

(21) Endrin ketone #2 (B)

36.01min 40.699ng/ml m

response 447714

(+) = Expected Retention Time

HA3616.D CLP_8.M Tue Mar 31 17:33:33 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD2B.CH
Acq On : 4 Apr 98 7:46 Operator:
Sample : INDBM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:20 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	277735	252179	17.017	20.063
Spiked Amount 40.000 Range 60 - 150 Recovery =					42.54%#	50.16%#
22) SA Decachlorobiphen	39.51	41.56	849818	1027580	38.260	38.698
Spiked Amount 40.000 Range 60 - 150 Recovery =					95.65%	96.75%
Target Compounds						
5) MB Aldrin	16.04	19.18	235925	233530	21.052	21.018
6) B beta-BHC	14.23	20.59	150138	127788	18.997	19.999
7) B delta-BHC	15.55	21.94	143848	135775	17.739	18.982
8) B Heptachlor epoxi	19.37	23.02	285971	283254	20.963	20.728
10) B gamma-Chlordane	20.41	24.81	299823	301806	20.868	20.523
11) B alpha-Chlordane	21.24	25.14	293371	288235	20.622	20.487
12) B 4,4'-DDE	22.70	25.55	392390	395483	35.798	38.205
15) B Endosulfan II	26.52	30.10	466279	470357	40.687	40.672m
18) B Endrin aldehyde	28.22	32.30	417240	421803	38.877	39.157m
19) B Endosulfan Sulfa	29.10	33.96	312508	312898	33.881	34.792
21) B Endrin ketone	32.69	36.03	398376	445036	36.593	40.456
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD2B.CH
Acq On : 4 Apr 98 7:46 Operator:
Sample : INDBM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:20 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

7as 4/5/98

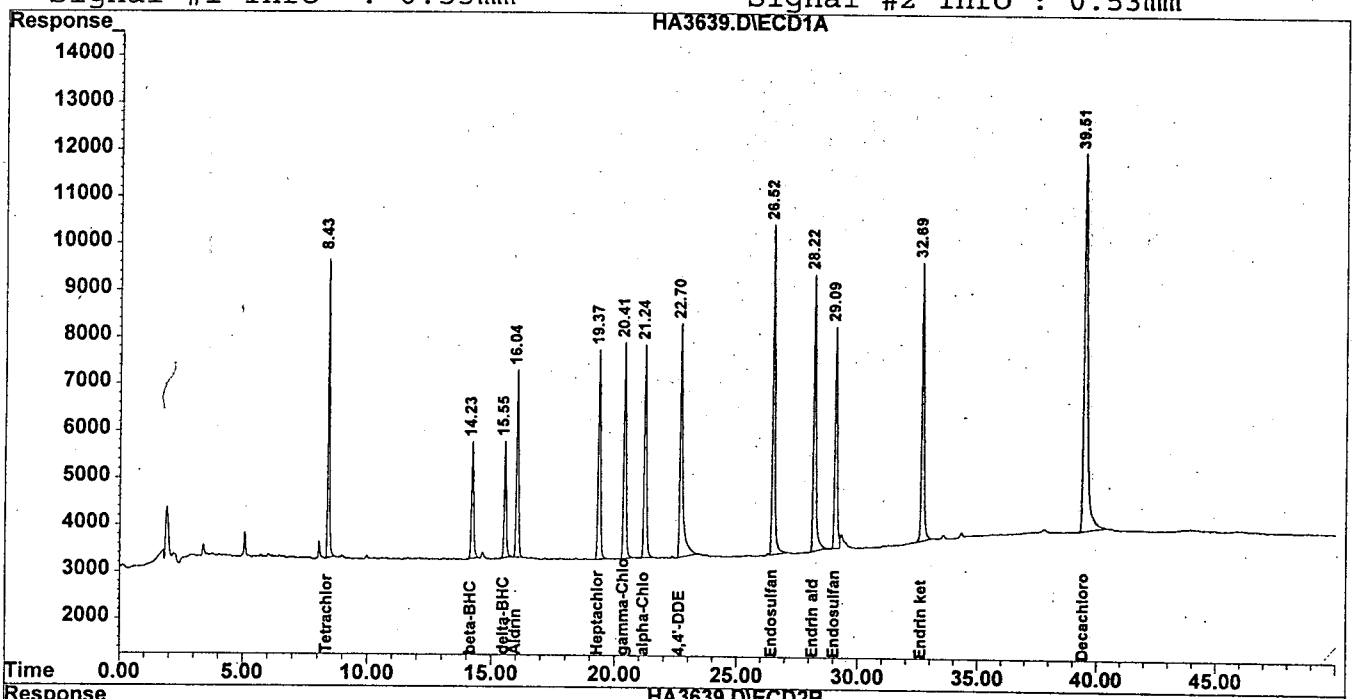
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

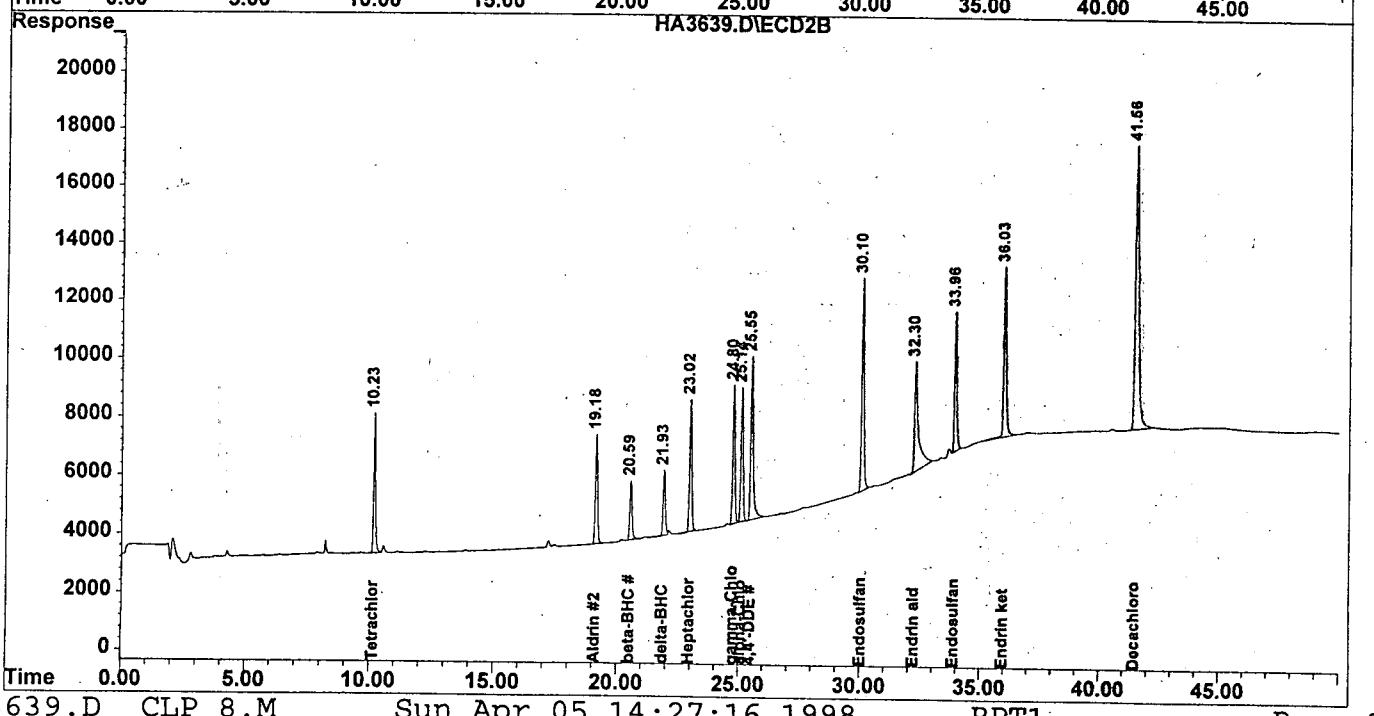
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD2B.CH
Acq On : 4 Apr 98 7:46 Operator:
Sample : INDBM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:20 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

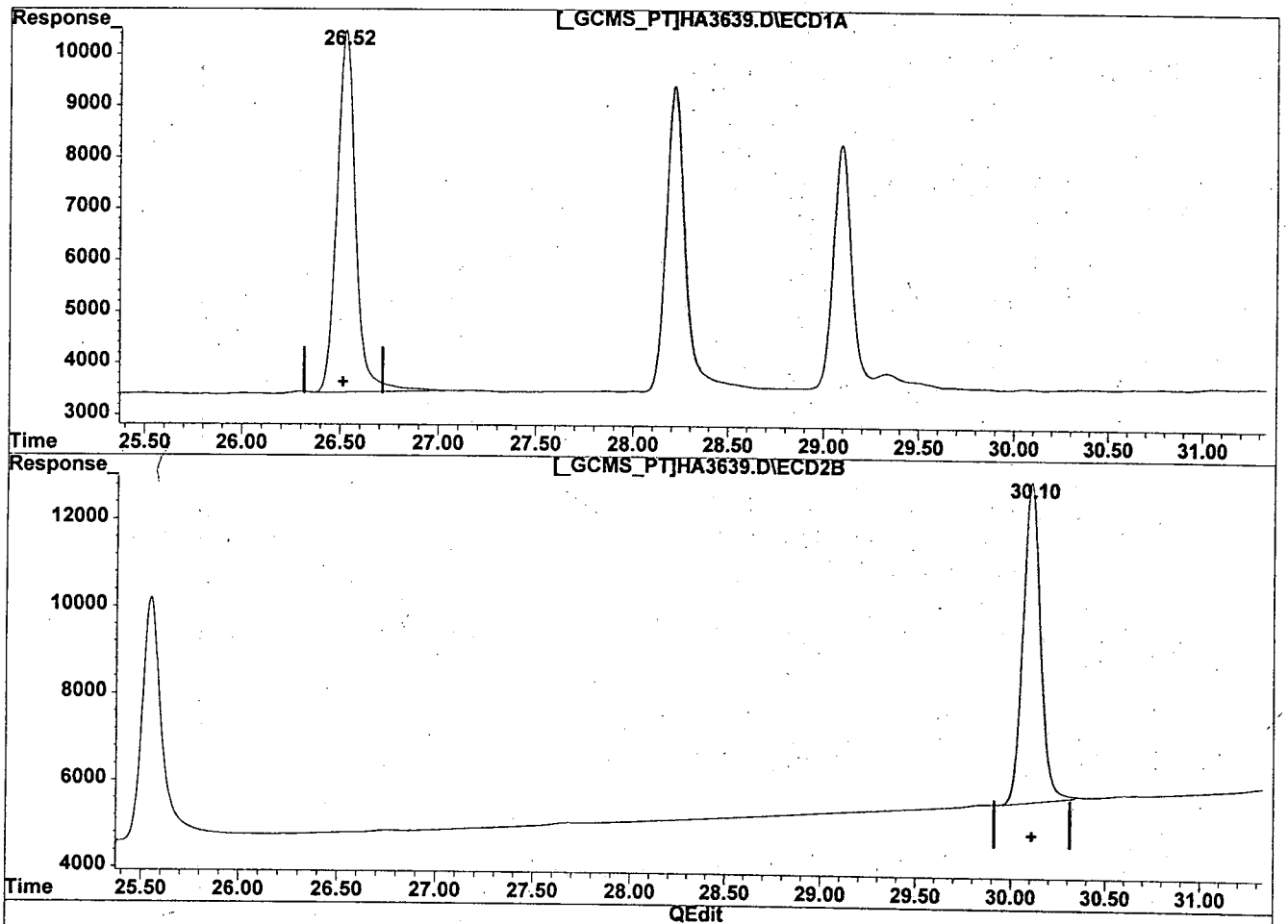




Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD2B.CH
Acq On : 4 Apr 98 7:46 Operator:
Sample : INDBM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:20 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(15) Endosulfan II (B)

26.52min 40.687ng/ml

response 466279

(15) Endosulfan II #2 (B)

30.10min 40.672ng/ml m

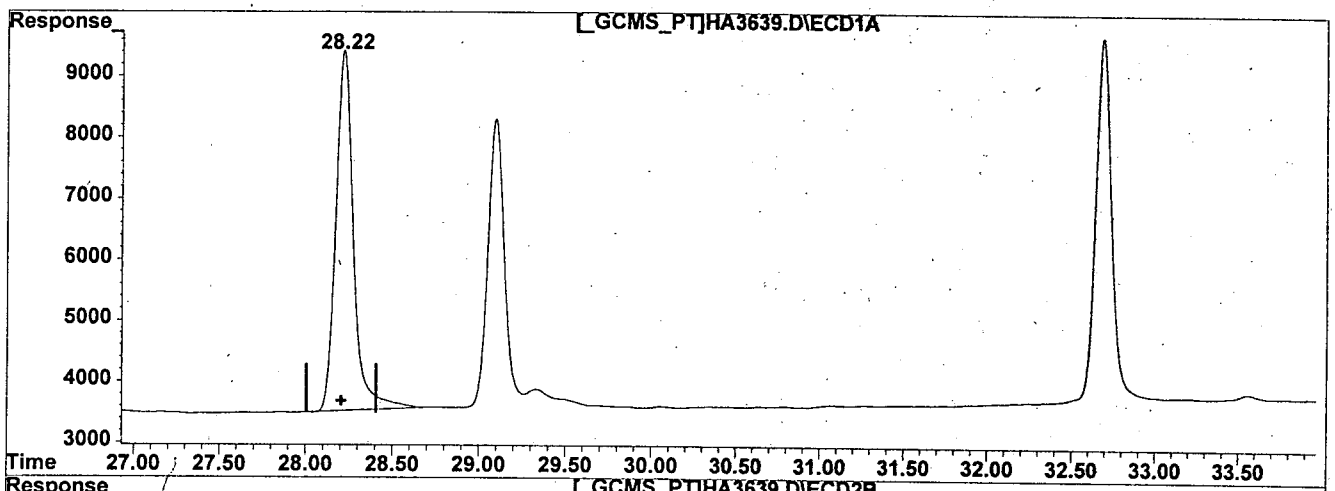
response 470357

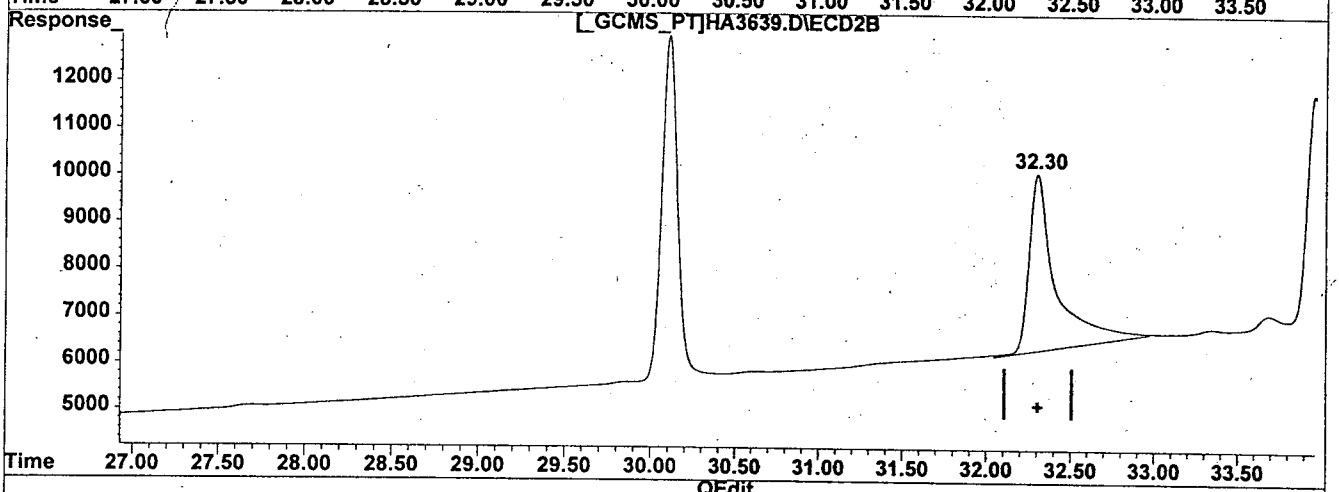
(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3639.D\ECD2B.CH
Acq On : 4 Apr 98 7:46 Operator:
Sample : INDBM04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 13:20 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(18) Endrin aldehyde (B)

28.22min 38.877ng/ml

response 417240

(18) Endrin aldehyde #2 (B)

32.30min 39.157ng/ml m

response 421803

(+) = Expected Retention Time

HA3639.D CLP_8.M Fri Apr 10 17:48:05 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD2B.CH
Acq On : 6 Apr 98 5:36 Operator:
Sample : INDBM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:05 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	ng Inj
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.43	10.22	275788	254171	16.898	20.221	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					42.25%#	50.55%#	
22) SA Decachlorobiphen	39.50	41.54	841454	1043080	37.884	39.282	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					94.71%	98.20%	
Target Compounds							
5) MB Aldrin	16.04	19.17	236769	235920	21.127	21.234	0.02
6) B beta-BHC	14.23	20.58	150333	130694	19.021	20.454	
7) B delta-BHC	15.54	21.93	152565	140377	18.814	19.625	
8) B Heptachlor epoxi	19.37	23.01	281065	287440	20.604	21.035	
10) B gamma-Chlordane	20.40	24.80	298493	304747	20.775	20.723	
11) B alpha-Chlordane	21.23	25.14	294193	290469	20.680	20.646	
12) B 4,4'-DDE	22.69	25.54	404290	403063	36.883	38.937	0.04
15) B Endosulfan II	26.52	30.10	462399	488044	40.348	42.201m	
18) B Endrin aldehyde	28.21	32.29	422464	431280	39.364	40.037m	
19) B Endosulfan Sulfa	29.09	33.95	348948	348410	37.832	38.740	
21) B Endrin ketone	32.68	36.02	415975	468780	38.209	42.614	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD2B.CH
Acq On : 6 Apr 98 5:36 Operator:
Sample : INDBM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:05 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

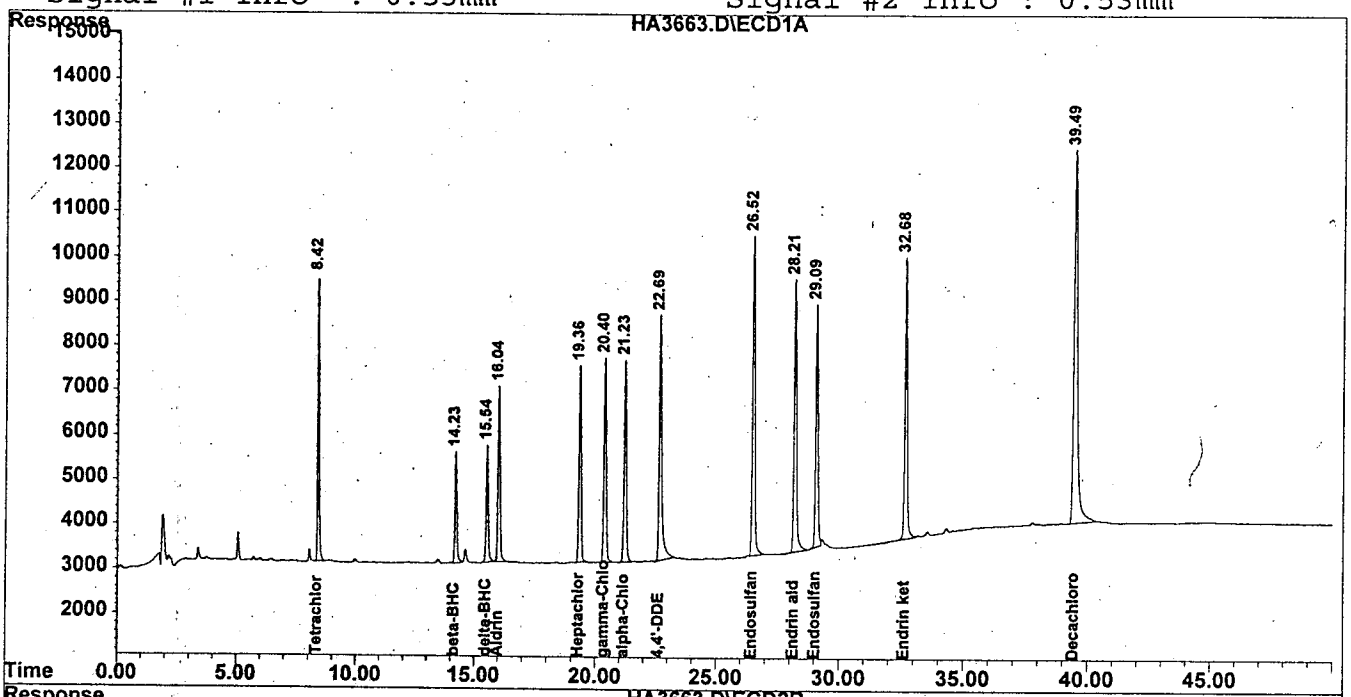
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

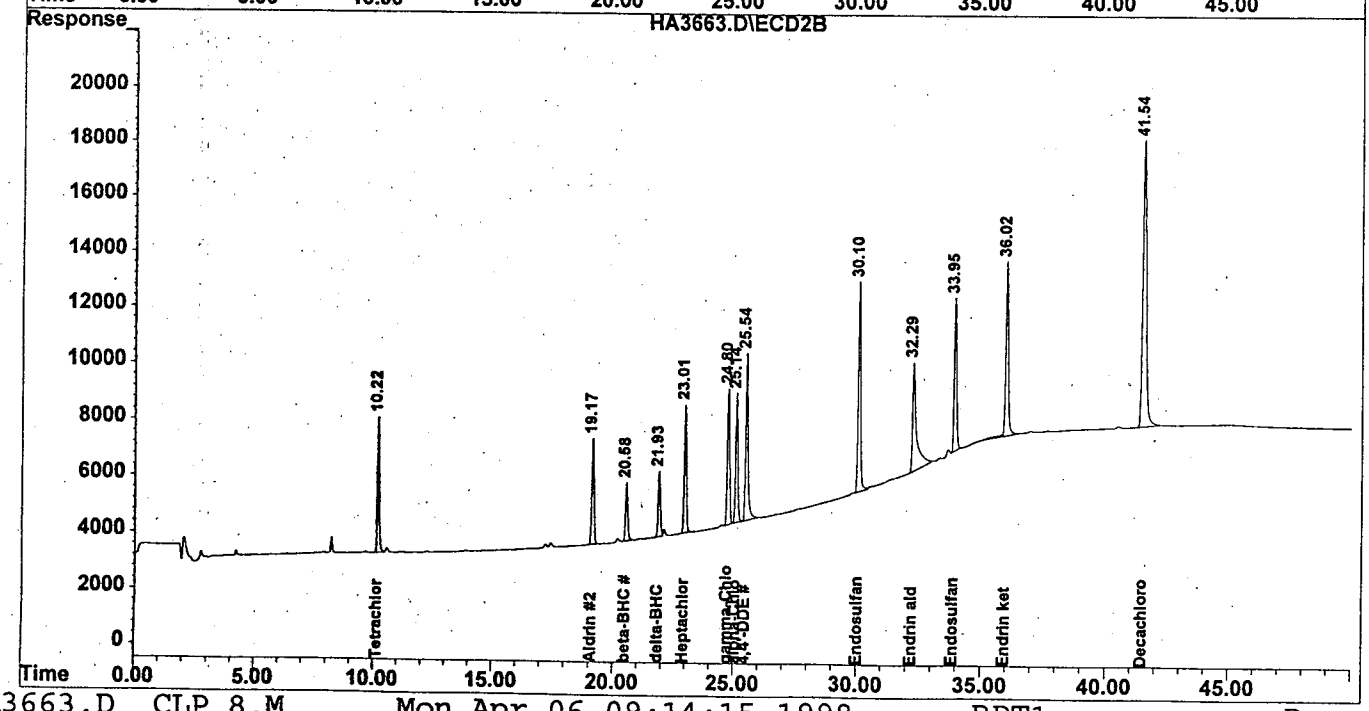
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD2B.CH
Acq On : 6 Apr 98 5:36 Operator:
Sample : INDBM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:05 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

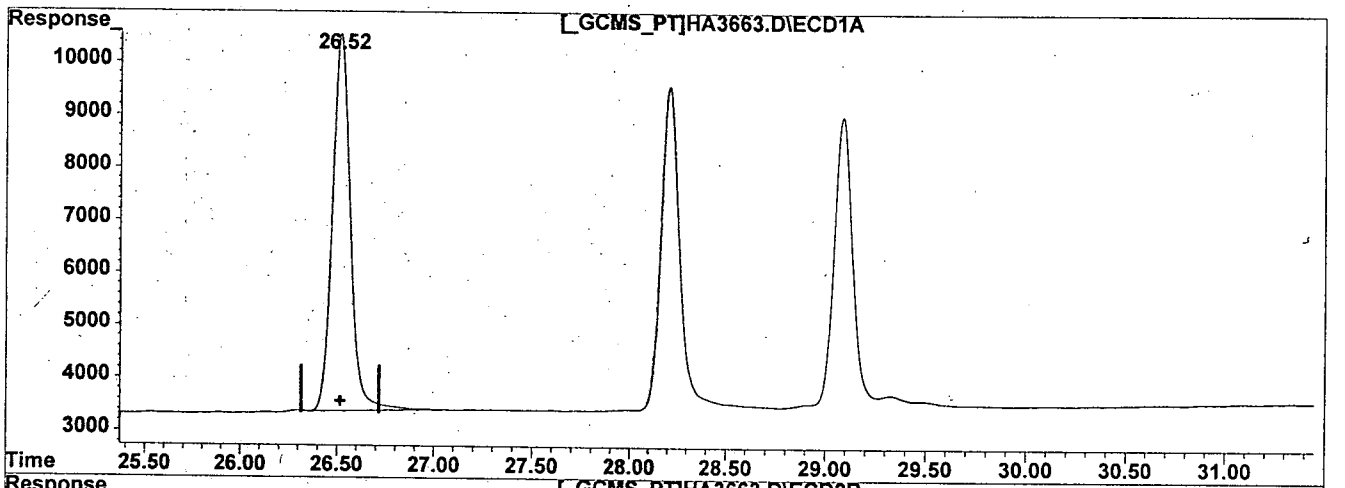


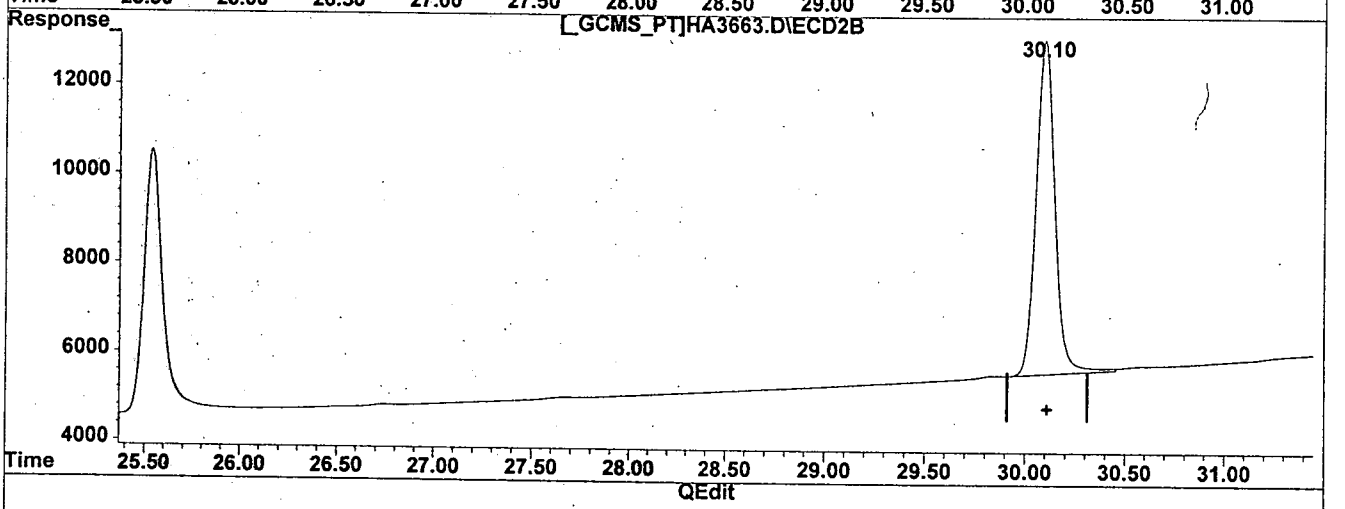


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD2B.CH
Acq On : 6 Apr 98 5:36 Operator:
Sample : INDBM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:05 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(15) Endosulfan II (B)

26.52min 40.348ng/ml

response 462399

(15) Endosulfan II #2 (B)

30.10min 42.201ng/ml m

response 488044

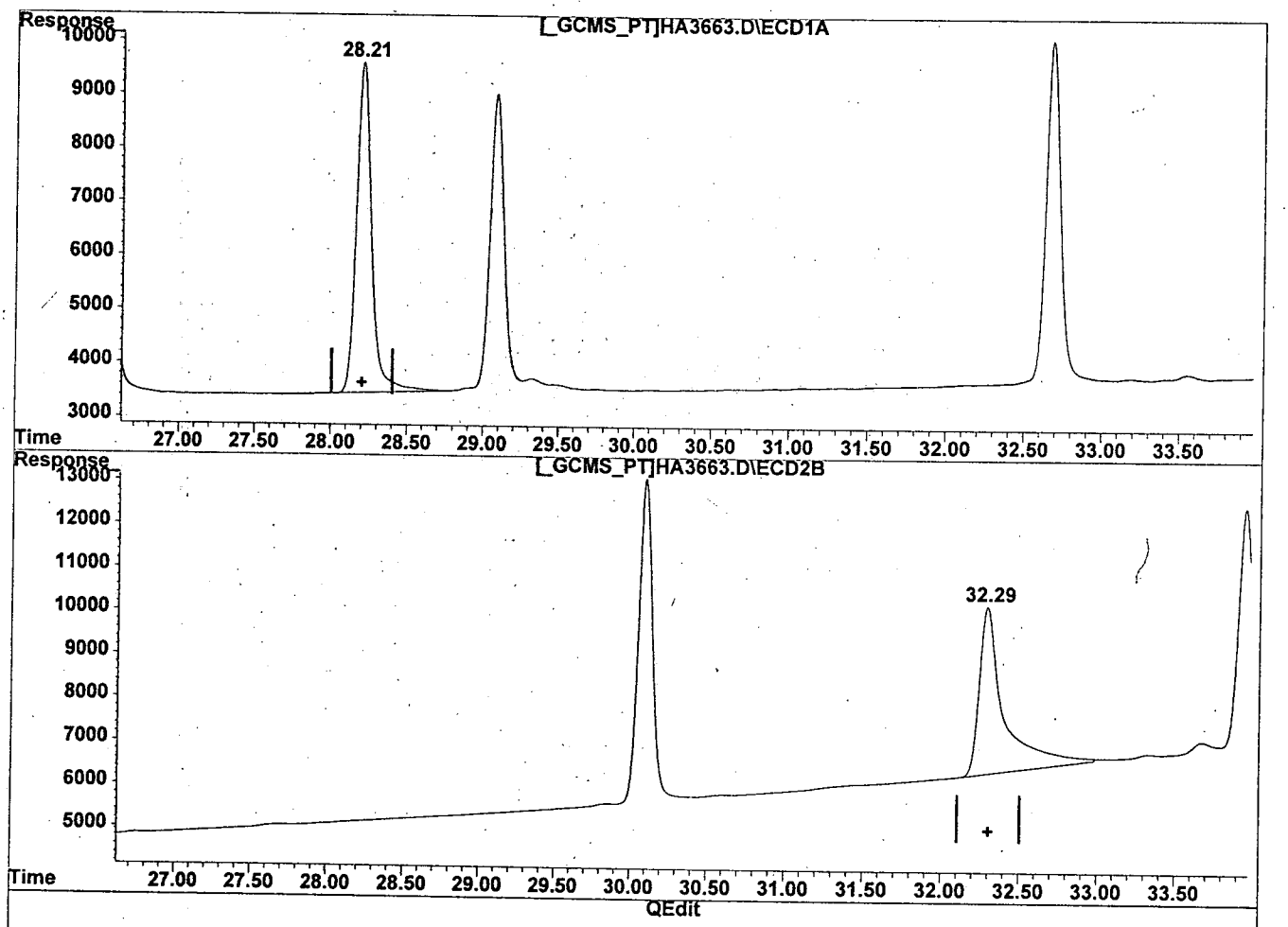
(+) = Expected Retention Time

HA3663.D CLP_8.M Fri Apr 10 18:52:22 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA_H\HA3663.D\ECD2B.CH
Acq On : 6 Apr 98 5:36 Operator:
Sample : INDBM05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 9:05 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(18) Endrin aldehyde (B)

28.21min 39.364ng/ml

response 422464

(18) Endrin aldehyde #2 (B)

32.29min 40.037ng/ml m

response 431280

(+) = Expected Retention Time

HA3663.D CLP_8.M Fri Apr 10 18:53:00 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.22	274675	250528	16.830	19.931 m, Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					42.08%#	49.83%#
2) SA Decachlorobiphen	39.49	41.54	785465	1003338	35.363	37.785m 0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					88.41%	94.46%
Target Compounds						
5) MB Aldrin	16.04	19.18	227199	227558	20.273	20.481 0.02
6) B beta-BHC	14.23	20.58	139532	127603	17.655	19.970
7) B delta-BHC	15.55	21.93	152925	152791	18.858	21.360
8) B Heptachlor epoxi	19.37	23.01	273252	288343	20.031	21.101
10) B gamma-Chlordane	20.40	24.80	287795	291544	20.030	19.825
11) B alpha-Chlordane	21.23	25.14	280126	277148	19.691	19.699
12) B 4,4'-DDE	22.69	25.54	401853	393714	36.661	38.034 0.04
15) B Endosulfan II	26.52	30.10	442948	448944	38.651	38.820m
18) B Endrin aldehyde	28.21	32.29	404157	406923	37.658m	37.776m
19) B Endosulfan Sulfa	29.09	33.95	364117	352428	39.476	39.187
21) B Endrin ketone	32.68	36.02	395643	447469	36.342m	40.677m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000

Dos 4/8/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

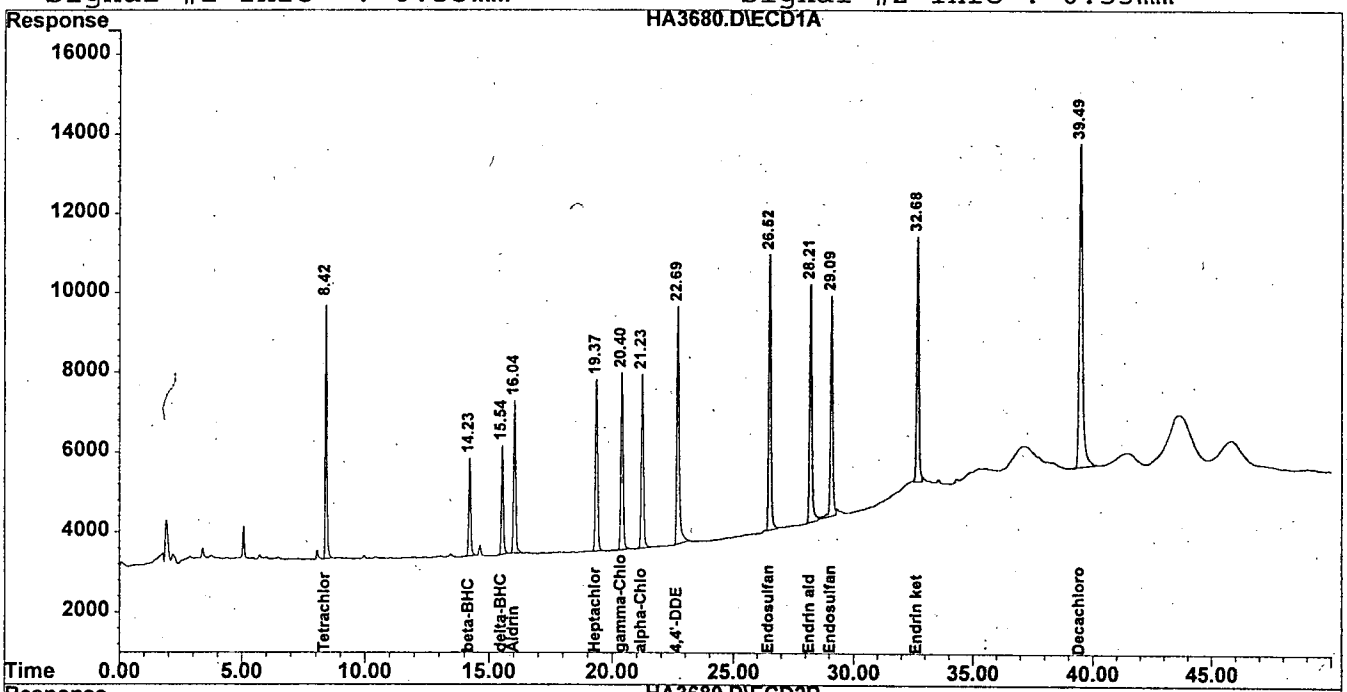
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

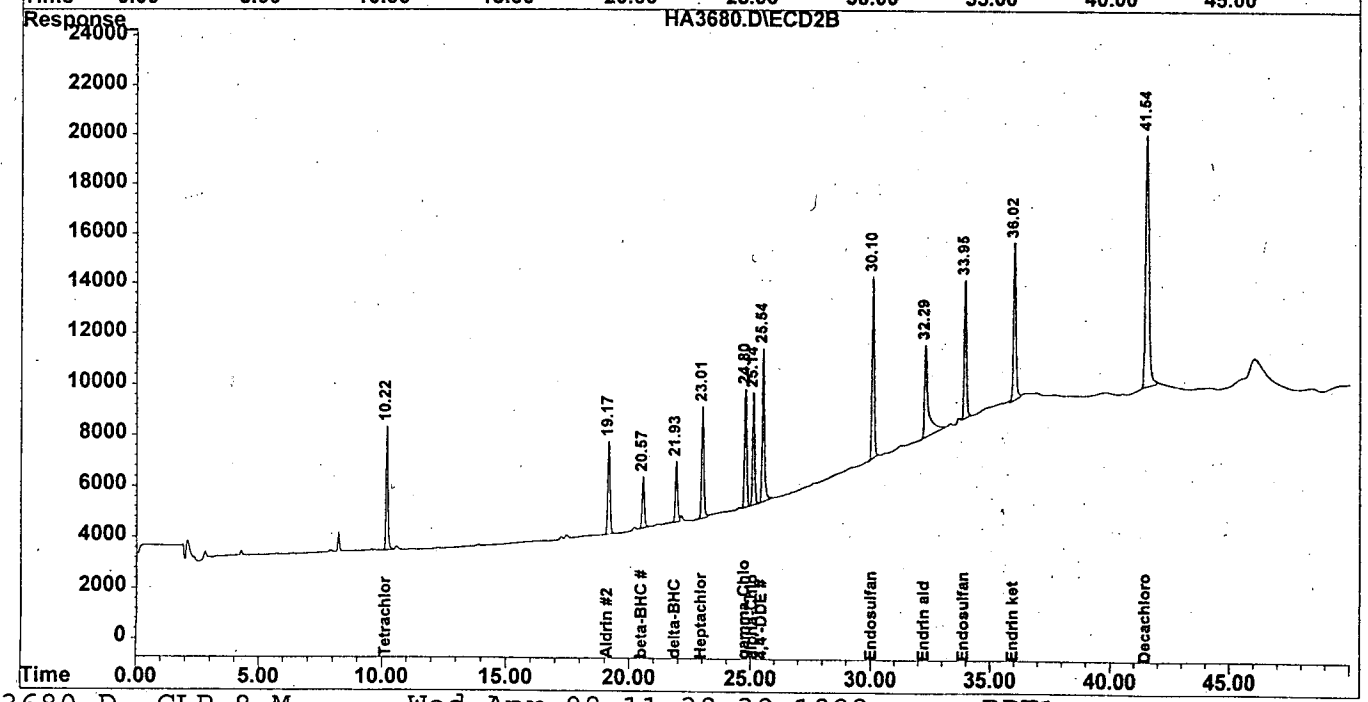
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

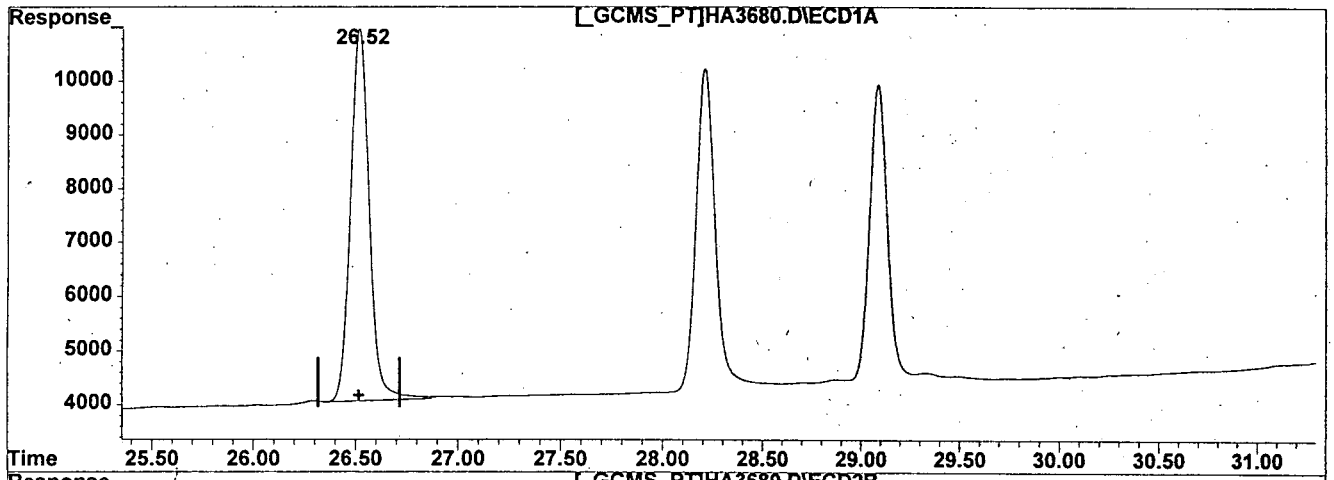


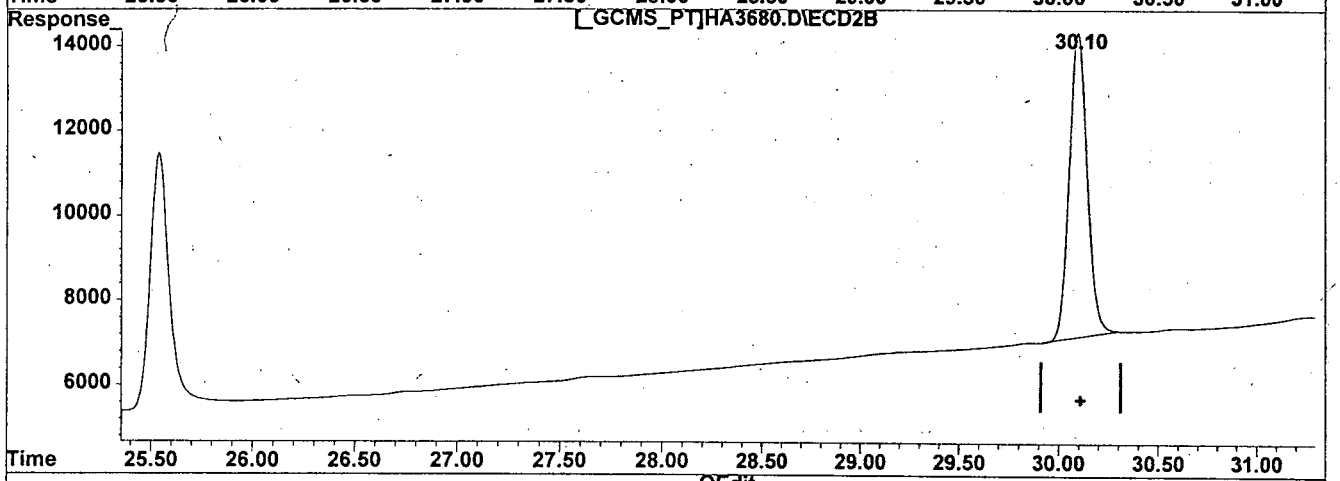


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(15) Endosulfan II (B)

26.52min 38.651ng/ml

response 442948

(15) Endosulfan II #2 (B)

30.10min 38.820ng/ml m

response 448944

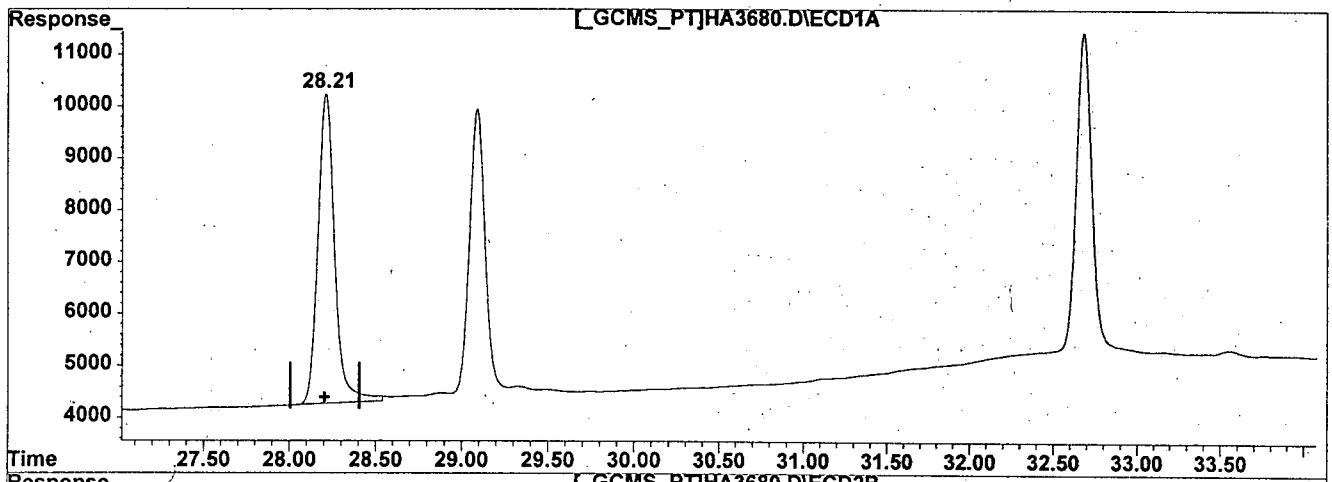
(+) = Expected Retention Time

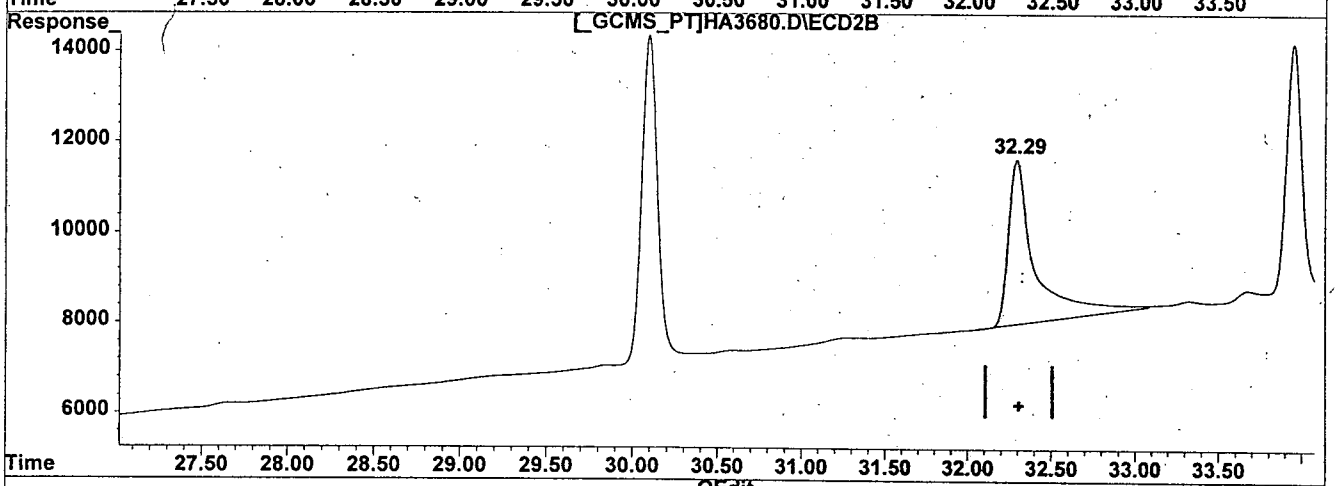
HA3680.D CLP_8.M Fri Apr 10 19:44:44 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(18) Endrin aldehyde (B)

28.21min 37.658ng/ml m

response 404157

(18) Endrin aldehyde #2 (B)

32.29min 37.776ng/ml m

response 406923

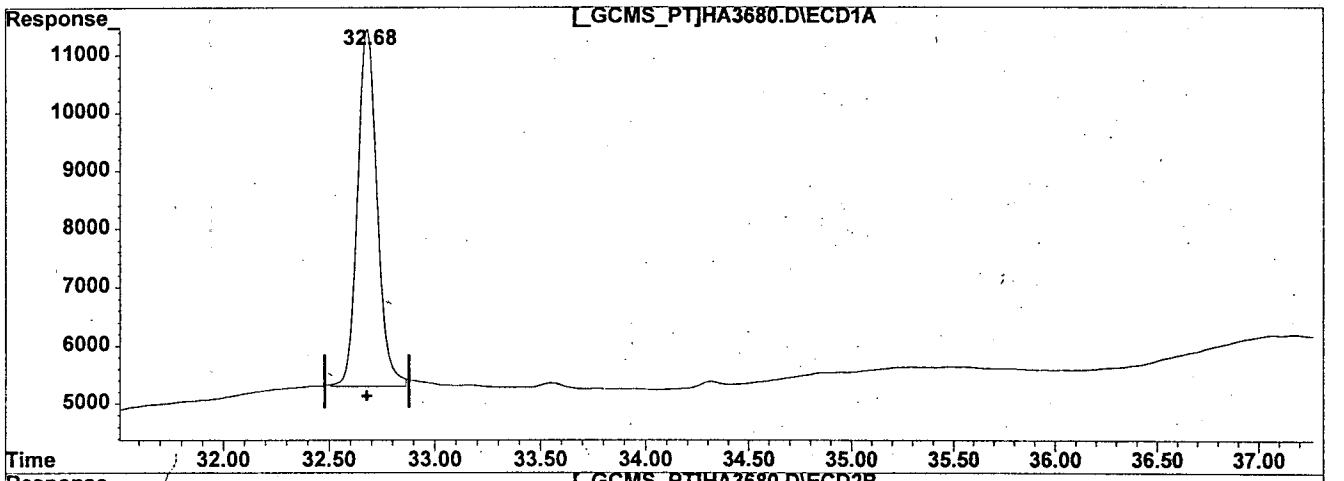
(+) = Expected Retention Time

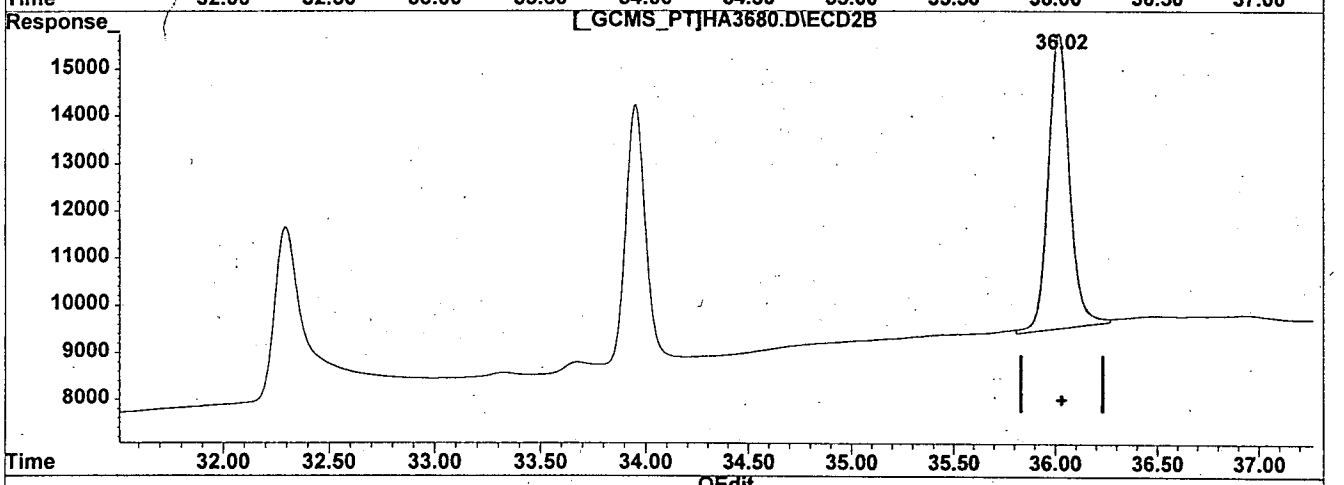
HA3680.D CLP_8.M Fri Apr 10 19:44:58 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(21) Endrin ketone (B)

32.68min 36.342ng/ml m

response 395643

(21) Endrin ketone #2 (B)

36.02min 40.677ng/ml m

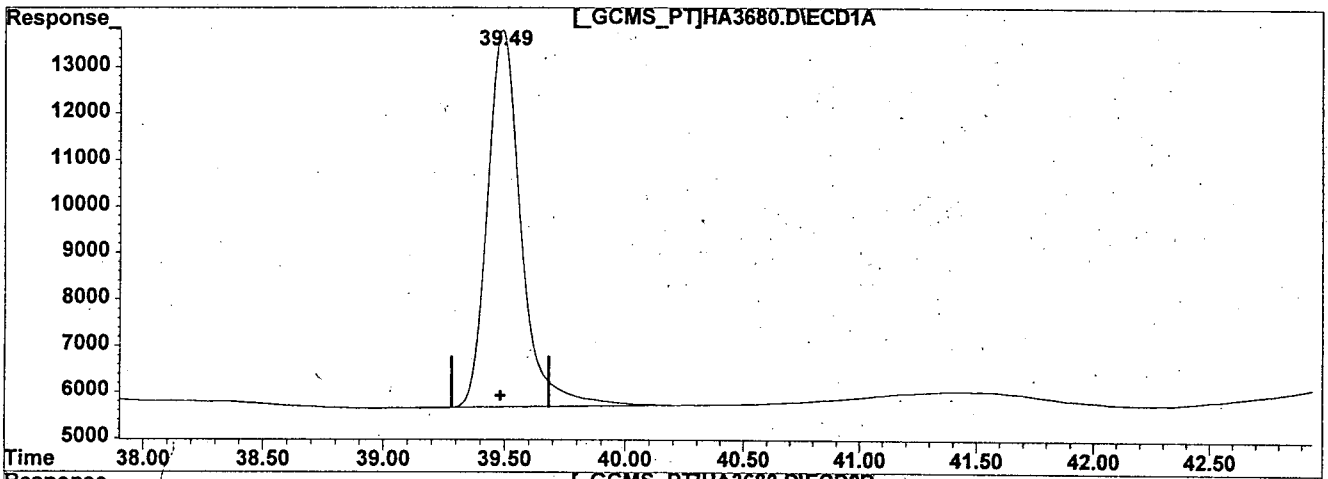
response 447469

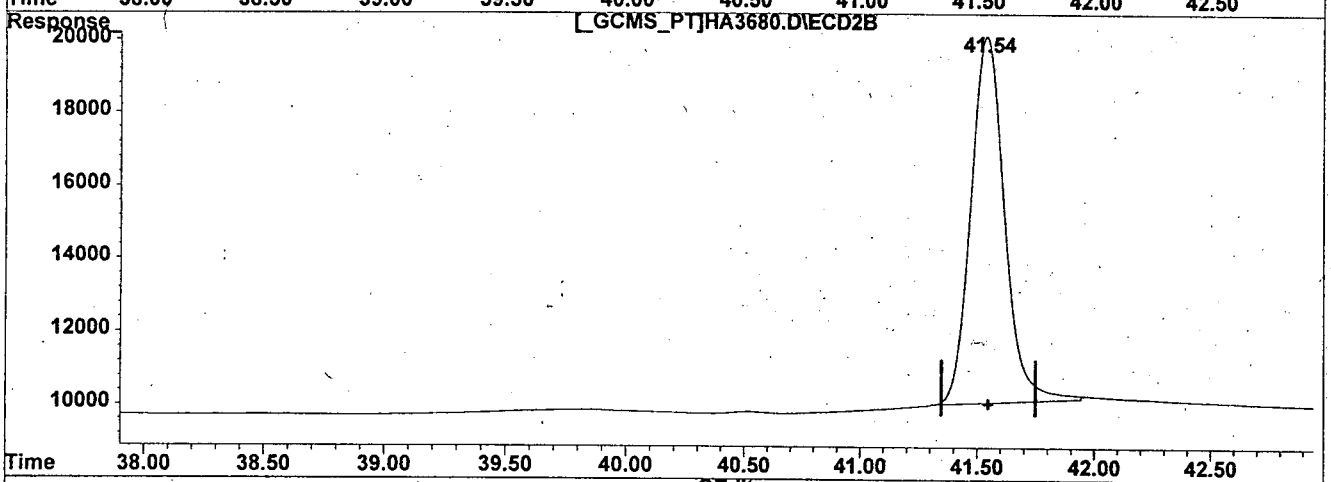
(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3680.D\ECD2B.CH
Acq On : 7 Apr 98 6:10 Operator:
Sample : INDBM06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:45 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 35.363ng/ml

response 785465

(22) Decachlorobiphenyl #2 (SA)

41.54min 37.785ng/ml m

response 1003338

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD2B.CH
Acq On : 9 Apr 98 6:09 Operator:
Sample : INDBM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:40 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	271416	244299	16.630	19.436	no Ins 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					41.58%#	48.59%#	
2) SA Decachlorobiphen	39.50	41.54	844123	1018619	38.004	38.361	0.04
Spiked Amount 40.000 Range 60 - 150 Recovery =					95.01%	95.90%	
Target Compounds							
5) MB Aldrin	16.04	19.17	227812	229134	20.328	20.623	0.02
6) B beta-BHC	14.23	20.57	137144	124447	17.353	19.476	
7) B delta-BHC	15.55	21.92	137383	129068	16.942	18.044	
8) B Heptachlor epoxi	19.36	23.00	273388	279960	20.041	20.487	
10) B gamma-Chlordane	20.40	24.79	292398	295028	20.351	20.062	
11) B alpha-Chlordane	21.23	25.13	286988	281197	20.174	19.987	
14) B 4,4'-DDE	22.69	25.54	381901	374549	34.841	36.182	0.04
15) B Endosulfan II	26.52	30.09	451748	458035	39.419	39.606m	
18) B Endrin aldehyde	28.21	32.28	406400	421059	37.867	39.088m	
19) B Endosulfan Sulfa	29.09	33.94	328071	327448	35.568	36.409	
21) B Endrin ketone	32.68	36.01	392788	435689	36.079	39.606	
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	

JBS 4/21/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD2B.CH
Acq On : 9 Apr 98 6:09 Operator:
Sample : INDBM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:40 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

4/8/98

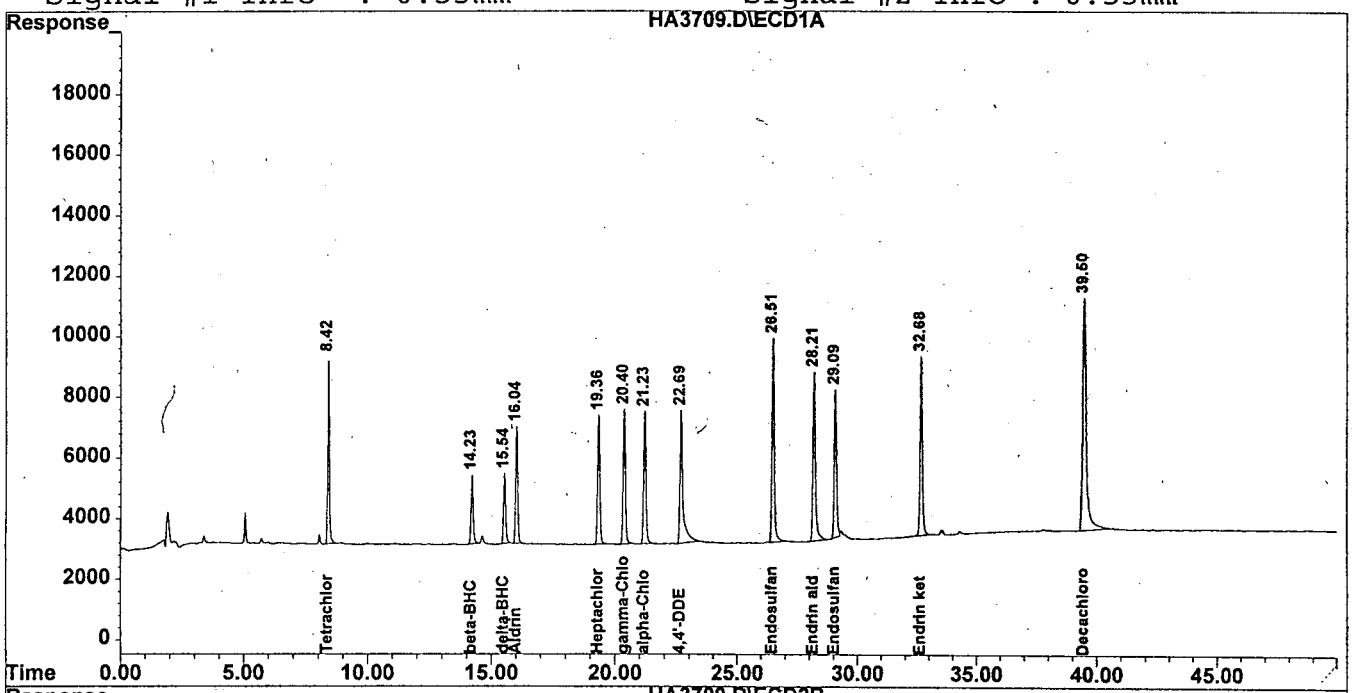
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

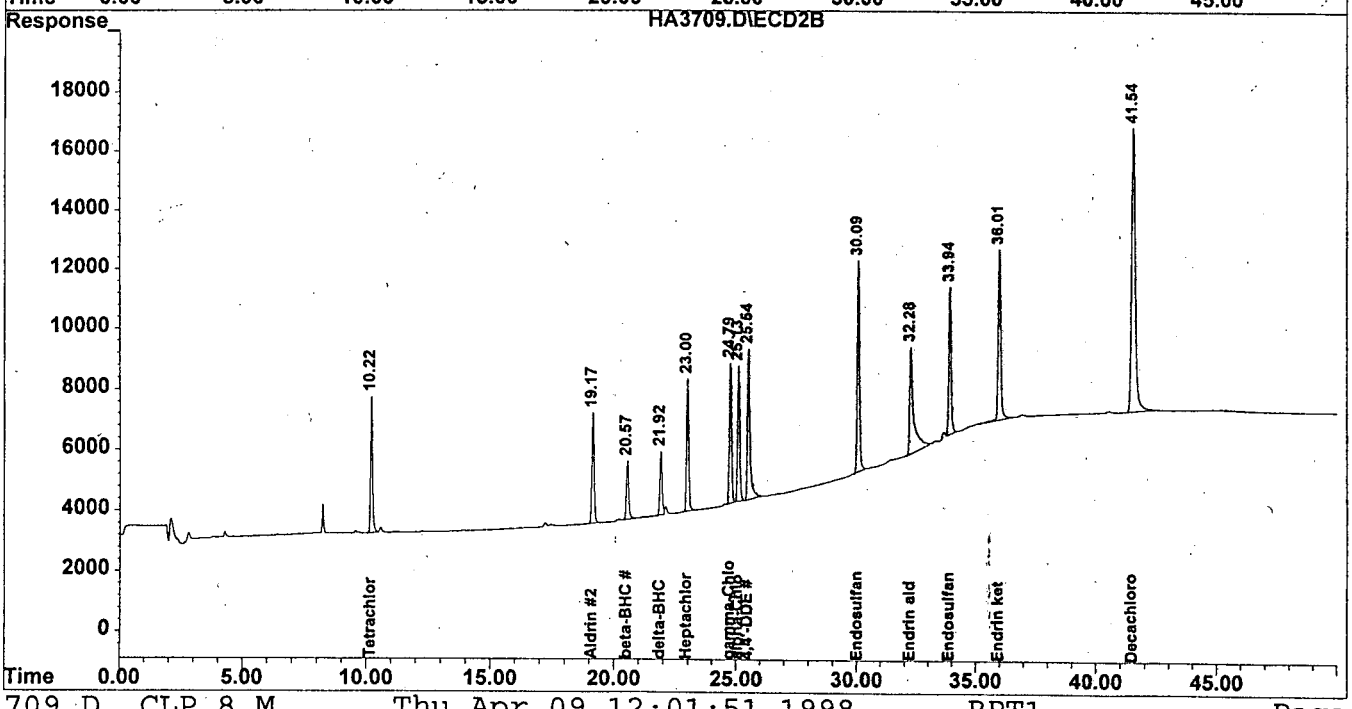
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD2B.CH
Acq On : 9 Apr 98 6:09 Operator:
Sample : INDBM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:40 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

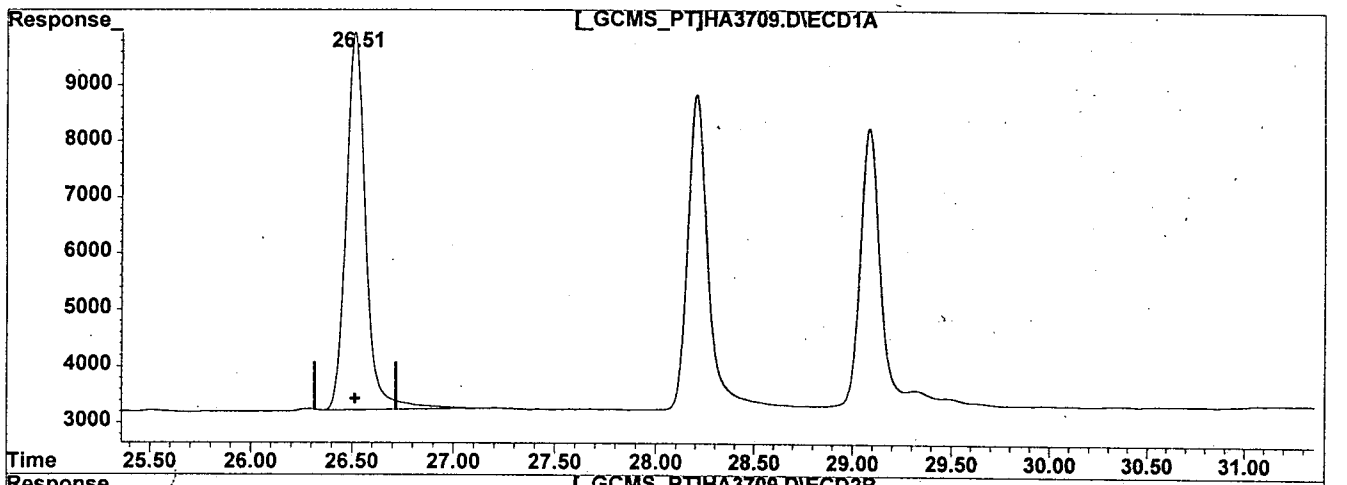


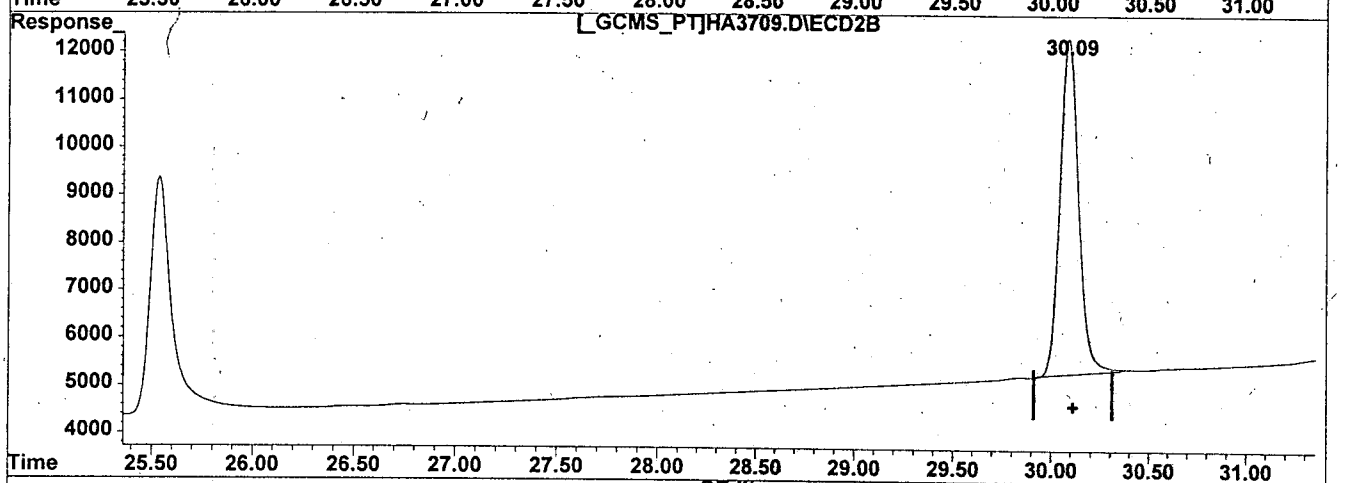


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD2B.CH
Acq On : 9 Apr 98 6:09 Operator:
Sample : INDBM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:40 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(15) Endosulfan II (B)

26.52min 39.419ng/ml

response 451748

(15) Endosulfan II #2 (B)

30.09min 39.606ng/ml m

response 458035

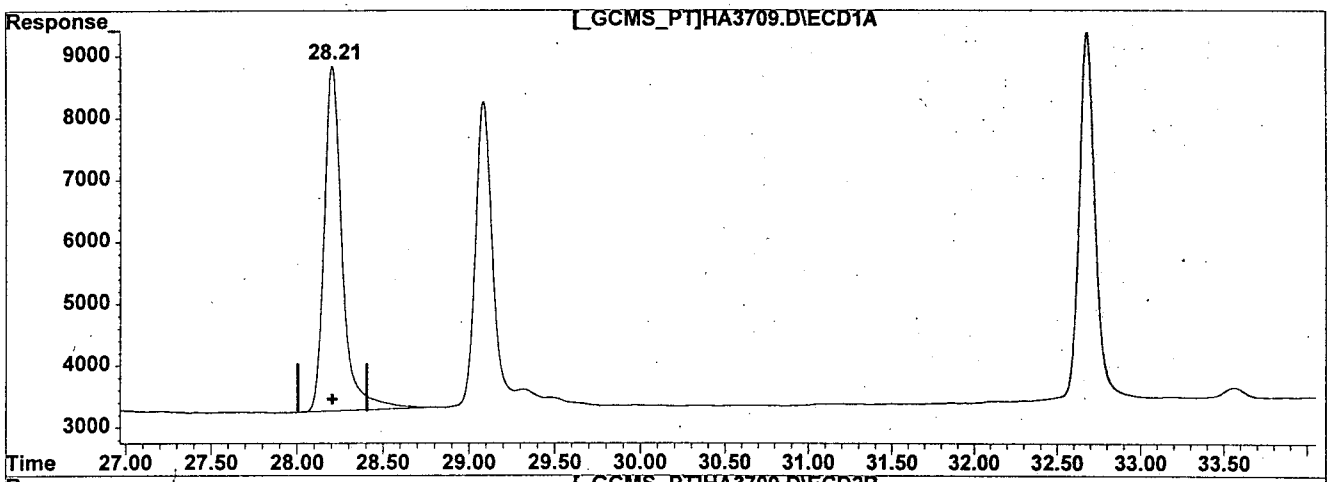
(+) = Expected Retention Time

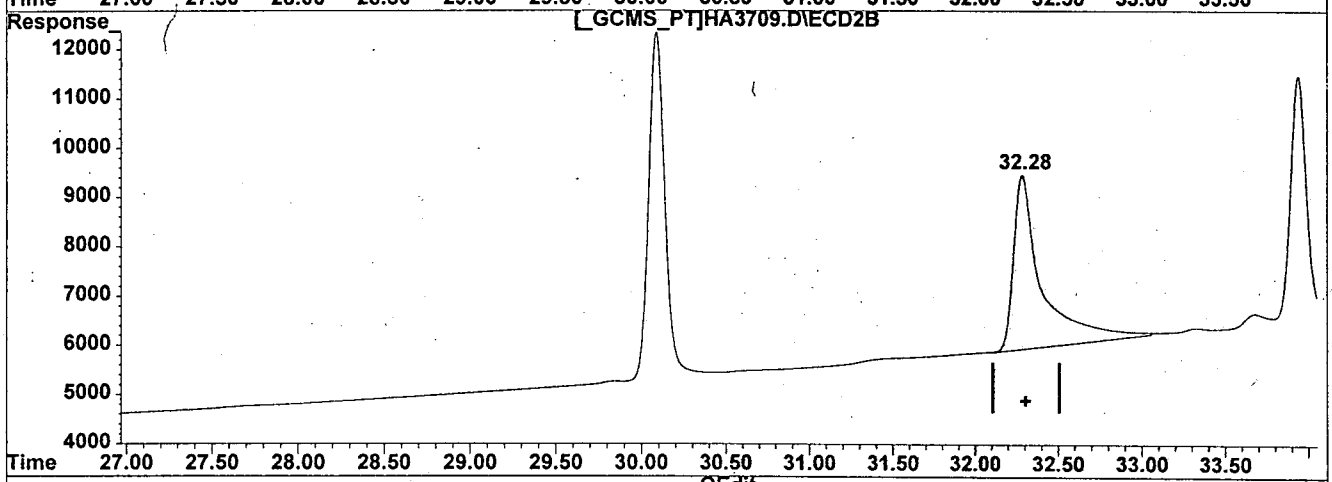
HA3709.D CLP_8.M Fri Apr 10 20:19:01 1998 RPT1

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3709.D\ECD2B.CH
Acq On : 9 Apr 98 6:09 Operator:
Sample : INDBM07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:40 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(18) Endrin aldehyde (B)

28.21min 37.867ng/ml

response 406400

(18) Endrin aldehyde #2 (B)

32.28min 39.088ng/ml m

response 421059

(+) = Expected Retention Time

HA3709.D CLP_8.M Fri Apr 10 20:19:13 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3617.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_H\HA3617.D\ECD2B.CH
Acq On : 27 Mar 98 8:33 Operator:
Sample : AR166002 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:16 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	279238	229559	17.109	18.263	m, Int 0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					42.77%#	45.66%#	
2) SA Decachlorobiphen	39.47	41.52	381076	427684	17.157	16.106	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					42.89%#	40.27%#	
Target Compounds							
23) L1 Aroclor-1016{1}	10.76	12.70	32680	31934	88.411	104.411	0.10
24) L1 Aroclor-1016{2}	12.70	14.66	82465	74087	111.838	105.975	
25) L1 Aroclor-1016{3}	14.63	17.08	140403	127557	97.982	101.538	
26) L1 Aroclor-1016{4}	15.41	17.84	44860	54758	106.085	107.612	
27) L1 Aroclor-1016{5}	18.08	20.40	66473	59471	146.649	99.877 #	
Sum Aroclor-1016			366882	347806	550.965	519.413	
Average Aroclor-1016					110.193	103.883	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
50) L7 Aroclor-1260{1}	24.73	26.94	108385	106658	101.147	123.633	0.10
51) L7 Aroclor-1260{2}	25.41	28.10	125211	121393	105.152	117.168	
52) L7 Aroclor-1260{3}	29.72	31.83	80310	63792	103.941	96.998	
53) L7 Aroclor-1260{4}	30.69	33.27	153052	141661	102.114	106.240	
54) L7 Aroclor-1260{5}	32.94	35.14	123344	105396	104.884	90.616	
Sum Aroclor-1260			590302	538900	517.238	534.656	
Average Aroclor-1260					103.448	106.931	

RMB 3/1/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3617.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_H\HA3617.D\ECD2B.CH
Acq On : 27 Mar 98 8:33 Operator:
Sample : AR166002 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:16 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

3/31/98

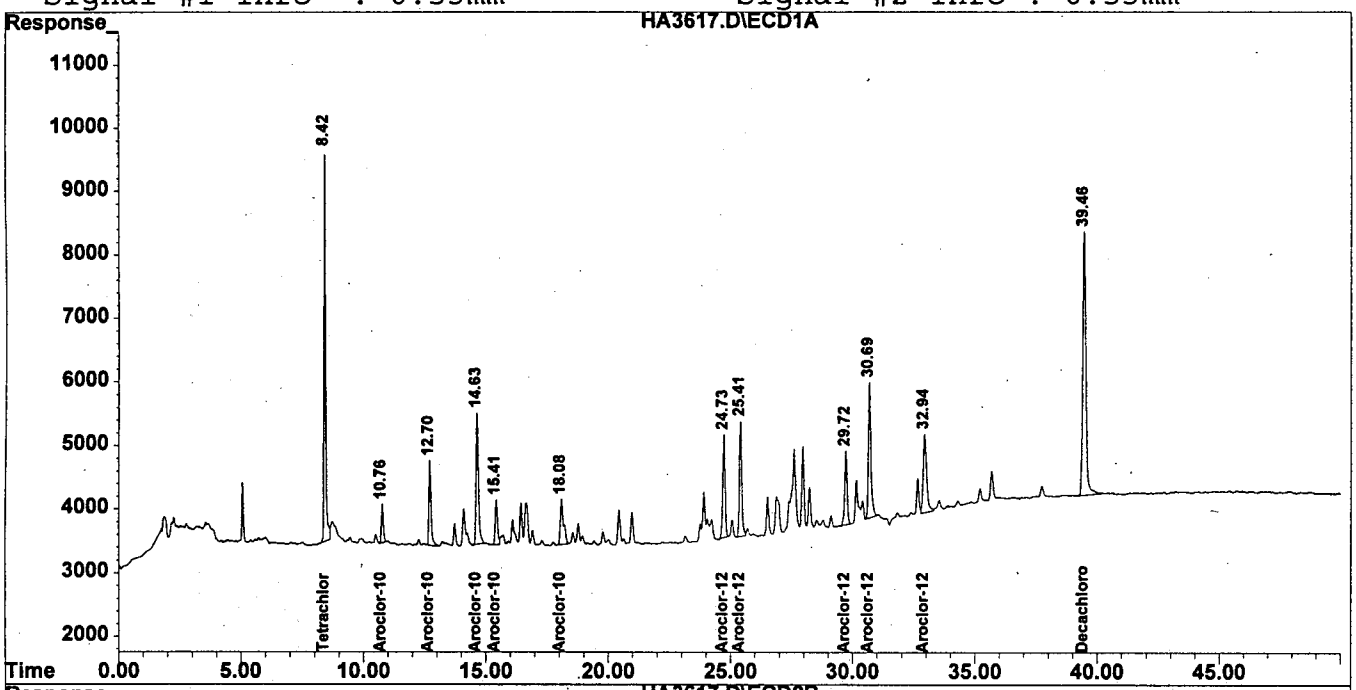
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

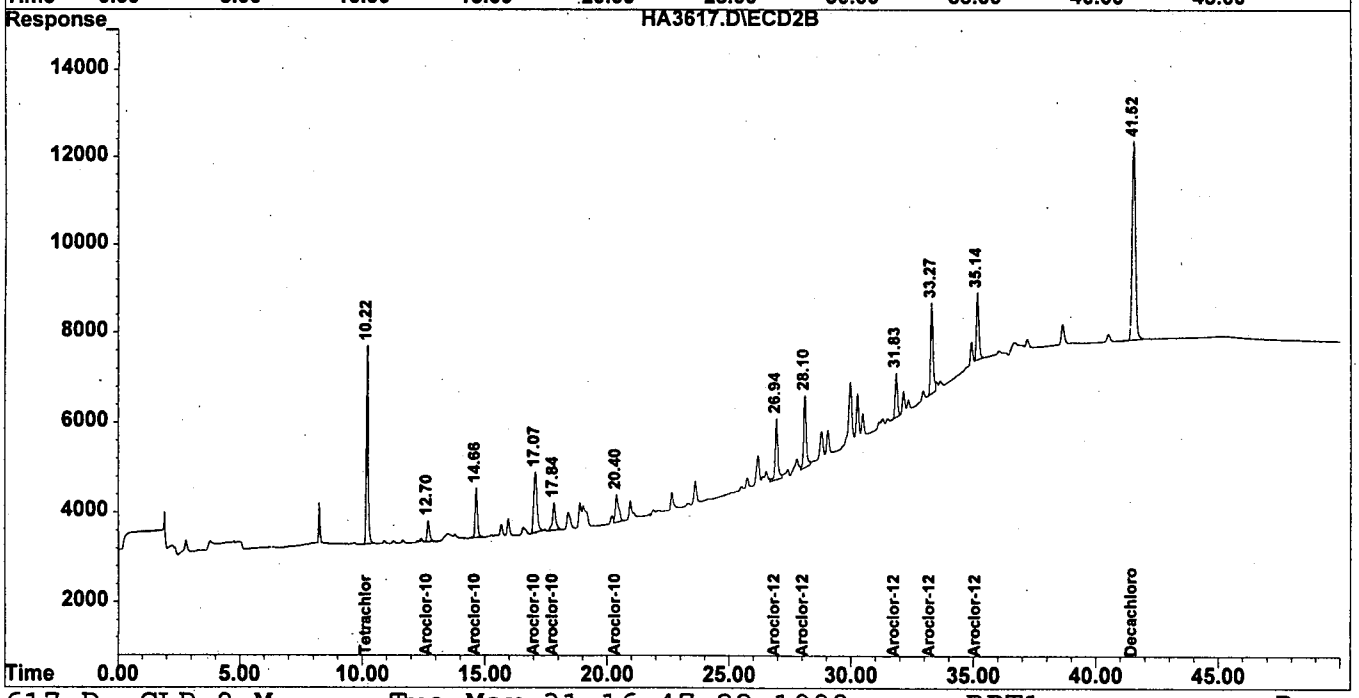
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3617.D\ECD1A.CH Vial: 18
Signal #2 : C:\HPCHEM\1\DATA_H\HA3617.D\ECD2B.CH
Acq On : 27 Mar 98 8:33 Operator:
Sample : AR166002 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:16 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD2B.CH
Acq On : 5 Apr 98 18:48 Operator:
Sample : AR166003 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:50 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	ng Inj
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	248206	226762	15.208	18.041	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.02%#	45.10%#	
22) SA Decachlorobiphen	39.49	41.53	347260	409974	15.634m	15.439m	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					39.09%#	38.60%#	
Target Compounds							
23) L1 Aroclor-1016{1}	10.77	12.70	28931	30213	78.267	98.784 #	0.10
24) L1 Aroclor-1016{2}	12.71	14.66	75161	70292	101.931	100.546	
25) L1 Aroclor-1016{3}	14.64	17.07	128301	122612	89.536	97.601	
26) L1 Aroclor-1016{4}	15.42	17.84	40228	51516	95.132	101.241	
27) L1 Aroclor-1016{5}	18.09	20.40	59346	54621	130.927	91.733 #	
Sum Aroclor-1016			331967	329254	495.793	489.906	
Average Aroclor-1016					99.159	97.981	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
Sum Aroclor-1254			0	0	N.D.	N.D.	
Average Aroclor-1254					0.000	0.000	
50) L7 Aroclor-1260{1}	24.74	26.94	95615	79546	89.230	92.206	0.10
51) L7 Aroclor-1260{2}	25.42	28.11	102743	94087	86.283	90.812	
52) L7 Aroclor-1260{3}	29.74	31.84	64691	56826	83.725	86.406	
53) L7 Aroclor-1260{4}	30.72	33.29	146426	132258	97.693	99.188	
54) L7 Aroclor-1260{5}	32.98	35.16	101025	93153	85.905	80.091	
Sum Aroclor-1260			510499	455870	442.837	448.704	
Average Aroclor-1260					88.567	89.741	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD2B.CH
Acq On : 5 Apr 98 18:48 Operator:
Sample : AR166003 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:50 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

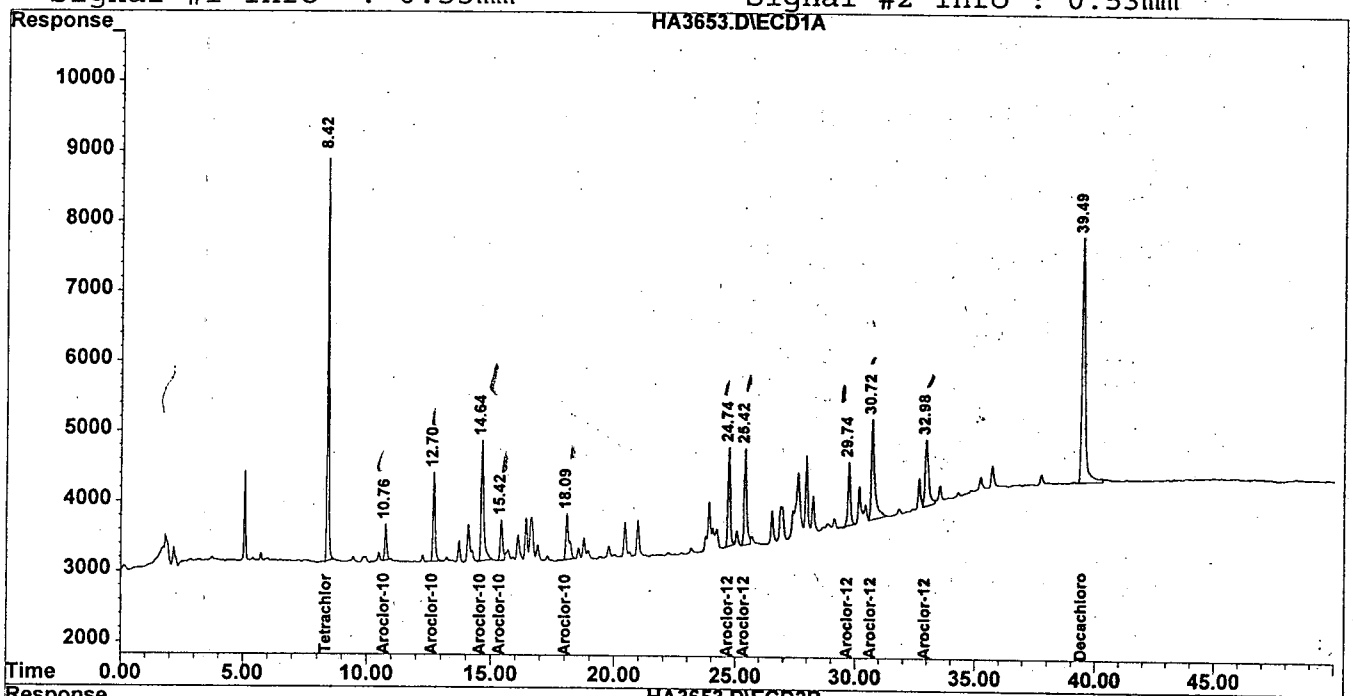
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

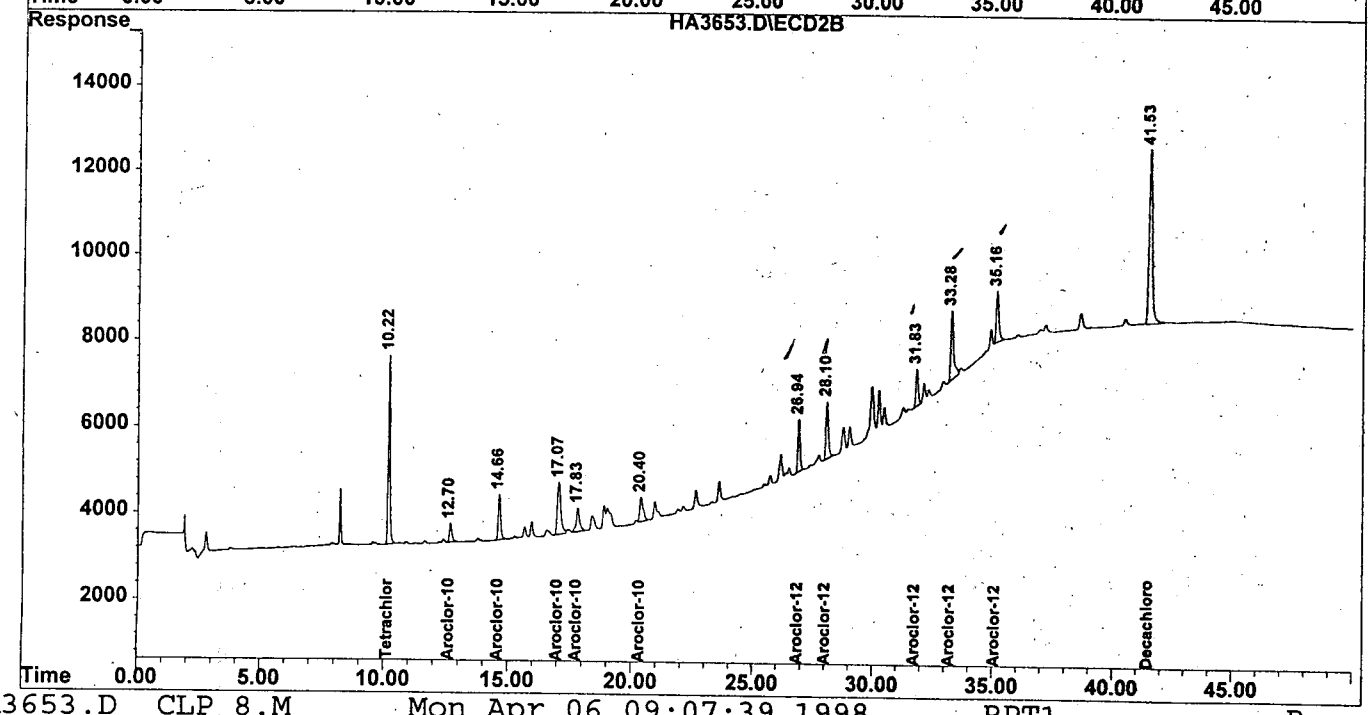
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD2B.CH
Acq On : 5 Apr 98 18:48 Operator:
Sample : AR166003 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:50 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

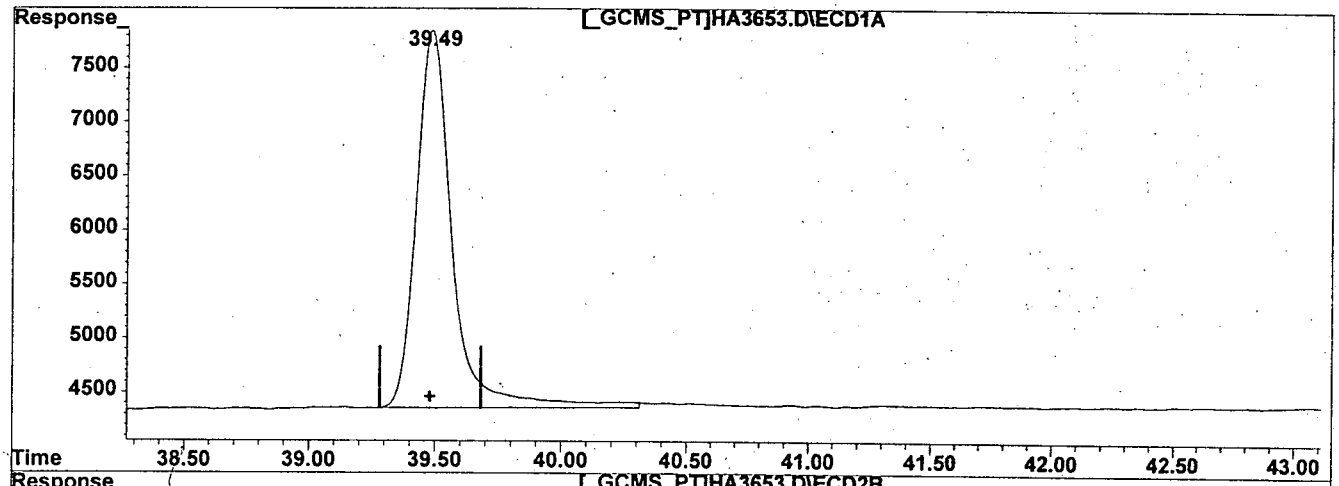


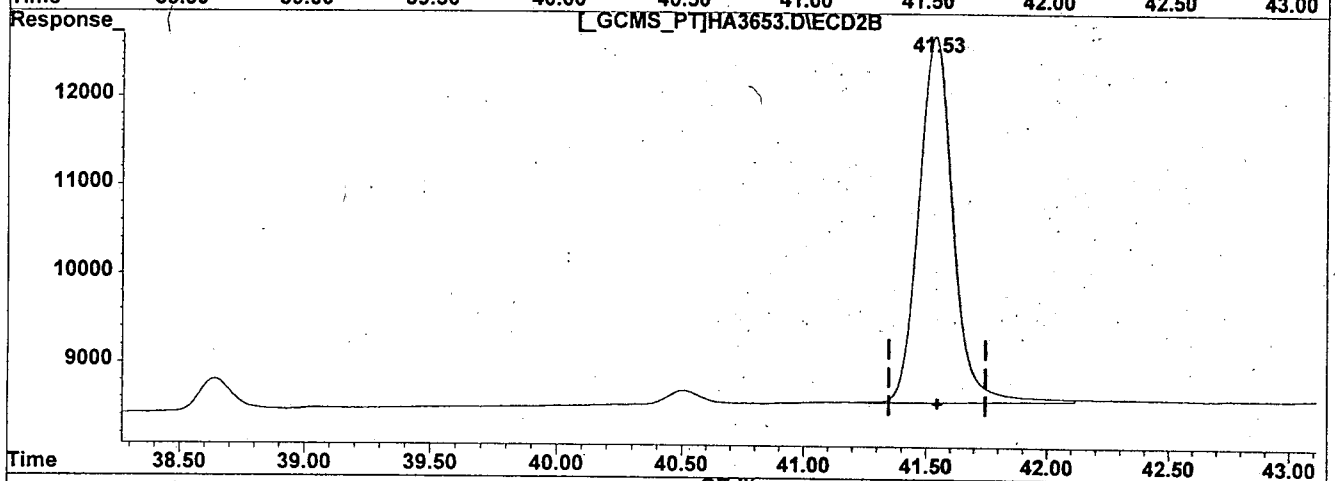


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_H\HA3653.D\ECD2B.CH
Acq On : 5 Apr 98 18:48 Operator:
Sample : AR166003 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:50 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.49min 15.634ng/ml m

response 347260

(22) Decachlorobiphenyl #2 (SA)

41.53min 15.439ng/ml m

response 409974

(+) = Expected Retention Time

HA3653.D CLP_8.M Fri Apr 10 18:30:14 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3712.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_H\HA3712.D\ECD2B.CH
Acq On : 9 Apr 98 12:22 Operator:
Sample : AR166004 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 12:56 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.22	250955	225034	15.376	17.903
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.44%#	44.76%#
22) SA Decachlorobiphen	39.47	41.51	351103	411433	15.807	15.494
Spiked Amount 40.000 Range 60 - 150 Recovery =					39.52%#	38.74%#
Target Compounds						
23) L1 Aroclor-1016{1}	10.77	12.71	28394	28641	76.816	93.644
24) L1 Aroclor-1016{2}	12.71	14.66	70003	69517	94.936	99.439
25) L1 Aroclor-1016{3}	14.65	17.08	121430	113423	84.741	90.287
26) L1 Aroclor-1016{4}	15.43	17.84	33863	52913	80.079	103.987 #
27) L1 Aroclor-1016{5}	18.09	20.39	57133	56125	126.043	94.258 #
Sum Aroclor-1016			310823	320619	462.616	481.615
Average Aroclor-1016					92.523	96.323
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	24.73	26.93	99919	80232	93.246	93.001
51) L7 Aroclor-1260{2}	25.42	28.10	100592	89765	84.477	86.641
52) L7 Aroclor-1260{3}	29.73	31.83	70728	76647	91.540	116.544 #
53) L7 Aroclor-1260{4}	30.72	33.28	144116	128214	96.152	96.156
54) L7 Aroclor-1260{5}	32.98	35.15	105739	92179	89.914	79.253
Sum Aroclor-1260			521094	467036	455.329	471.595
Average Aroclor-1260					91.066	94.319

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3712.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_H\HA3712.D\ECD2B.CH
Acq On : 9 Apr 98 12:22 Operator:
Sample : AR166004 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 12:56 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

JM 4/14/98

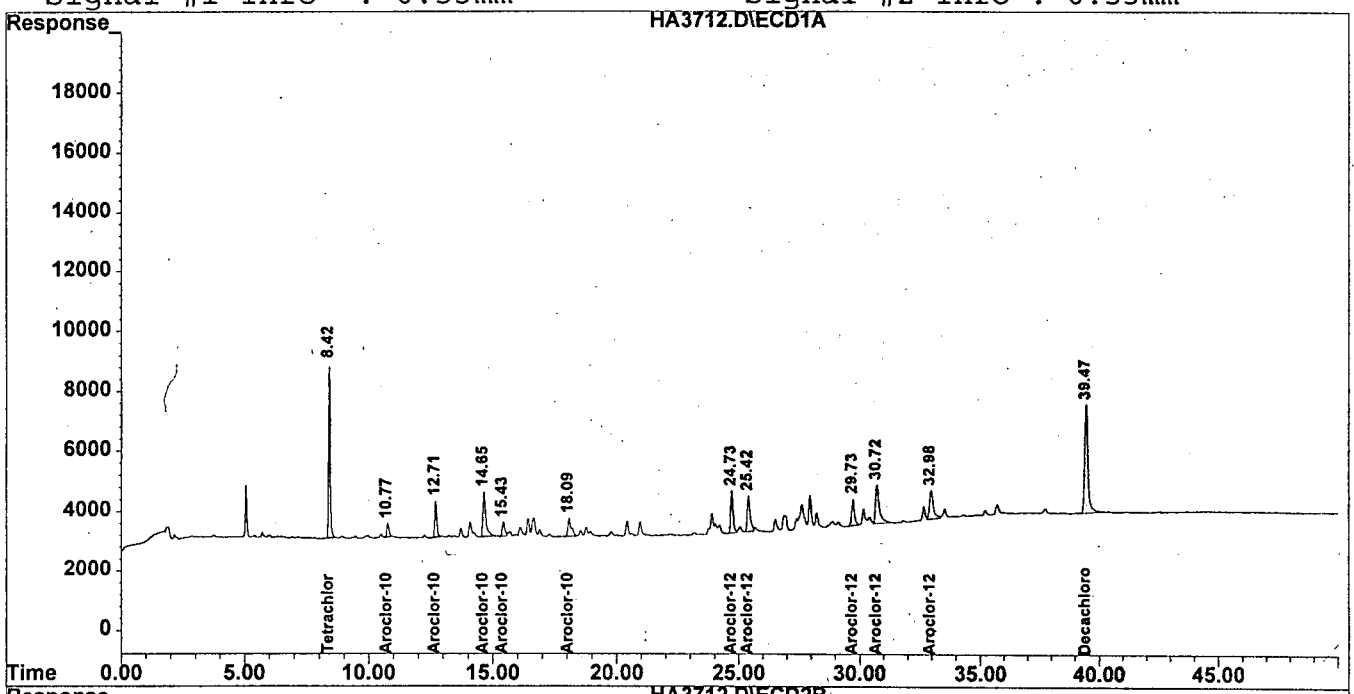
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

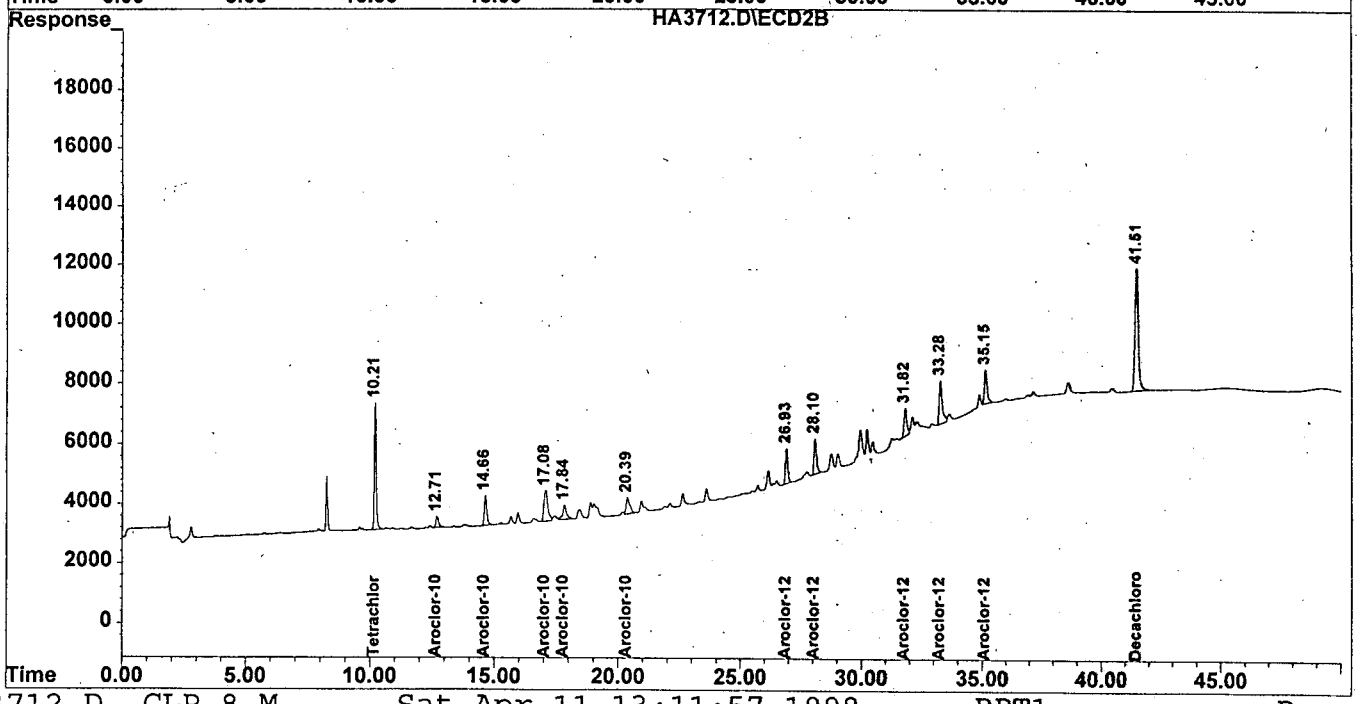
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3712.D\ECD1A.CH Vial: 30
Signal #2 : C:\HPCHEM\1\DATA_H\HA3712.D\ECD2B.CH
Acq On : 9 Apr 98 12:22 Operator:
Sample : AR166004 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 12:56 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3654.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_H\HA3654.D\ECD2B.CH
Acq On : 5 Apr 98 19:42 Operator:
Sample : AR125402 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:52 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	ng Inj
System Monitoring Compounds							
1) SA Tetrachloro-m-xy	8.42	10.22	248900	227126	15.250	18.070	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.13%#	45.18%#	
2) SA Decachlorobiphen	39.49	41.54	341863	401713	15.391m	15.128	0.02
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.48%#	37.82%#	
Target Compounds							
Sum Aroclor-1016			0	0	N.D.	N.D.	
Average Aroclor-1016					0.000	0.000	
Sum Aroclor-1221			0	0	N.D.	N.D.	
Average Aroclor-1221					0.000	0.000	
Sum Aroclor-1232			0	0	N.D.	N.D.	
Average Aroclor-1232					0.000	0.000	
Sum Aroclor-1242			0	0	N.D.	N.D.	
Average Aroclor-1242					0.000	0.000	
Sum Aroclor-1248			0	0	N.D.	N.D.	
Average Aroclor-1248					0.000	0.000	
45) L6 Aroclor-1254{1}	20.44	22.64	68431	82077	95.037	91.302	0.10
46) L6 Aroclor-1254{2}	20.97	23.61	86234	78358	92.968	92.925	
47) L6 Aroclor-1254{3}	23.77	26.12	87662	96882	83.644	92.205	
48) L6 Aroclor-1254{4}	26.89	28.10	57543	47185	79.229	88.705	
49) L6 Aroclor-1254{5}	27.63	29.97	103966	87531	87.616	87.714	
Sum Aroclor-1254			403837	392034	438.494	452.851	
Average Aroclor-1254					87.699	90.570	
Sum Aroclor-1260			0	0	N.D.	N.D.	
Average Aroclor-1260					0.000	0.000	
Sum Toxaphene			0	0	N.D.	N.D.	
Average Toxaphene					0.000	0.000	

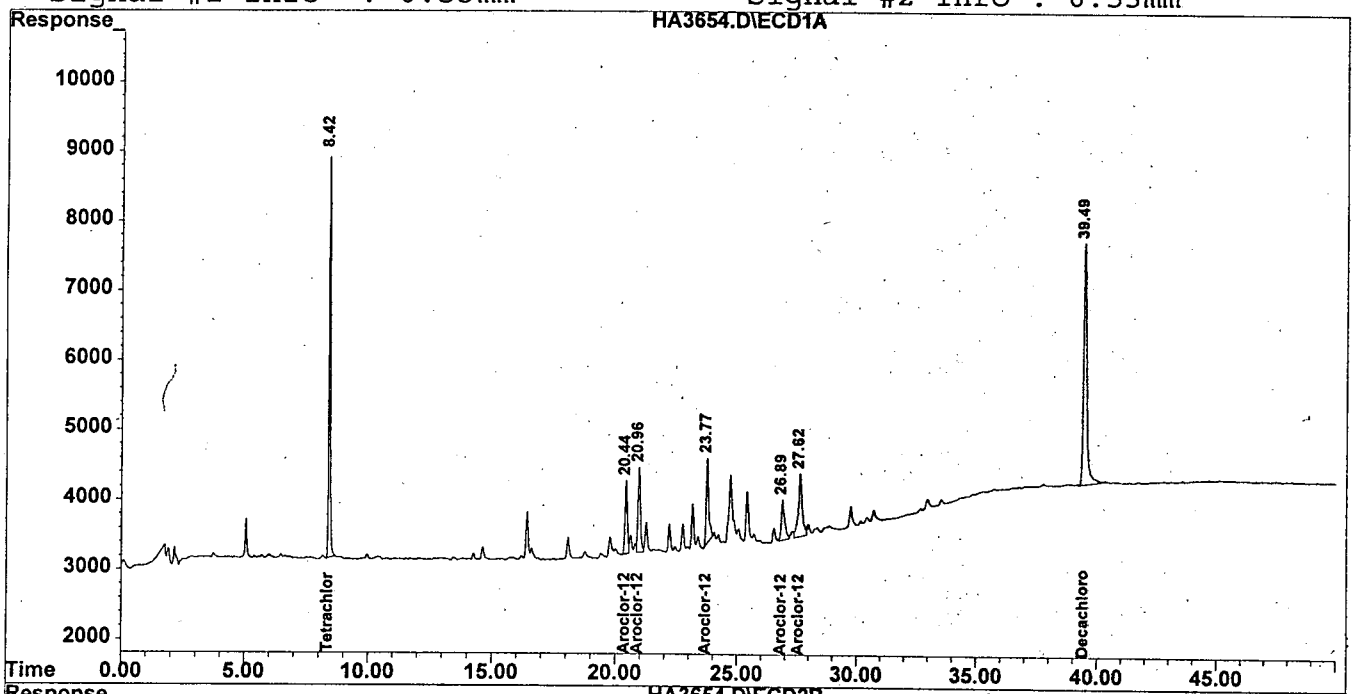
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

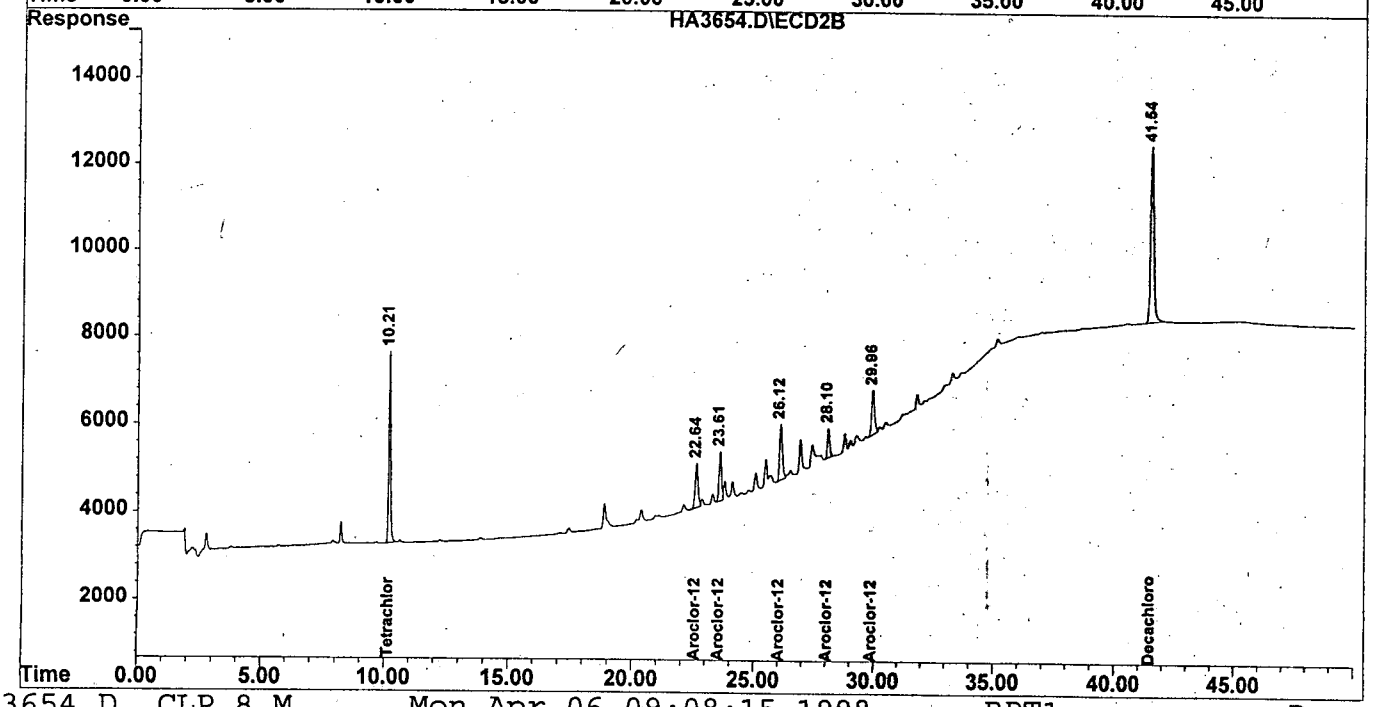
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3654.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_H\HA3654.D\ECD2B.CH
Acq On : 5 Apr 98 19:42 Operator:
Sample : AR125402 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:52 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

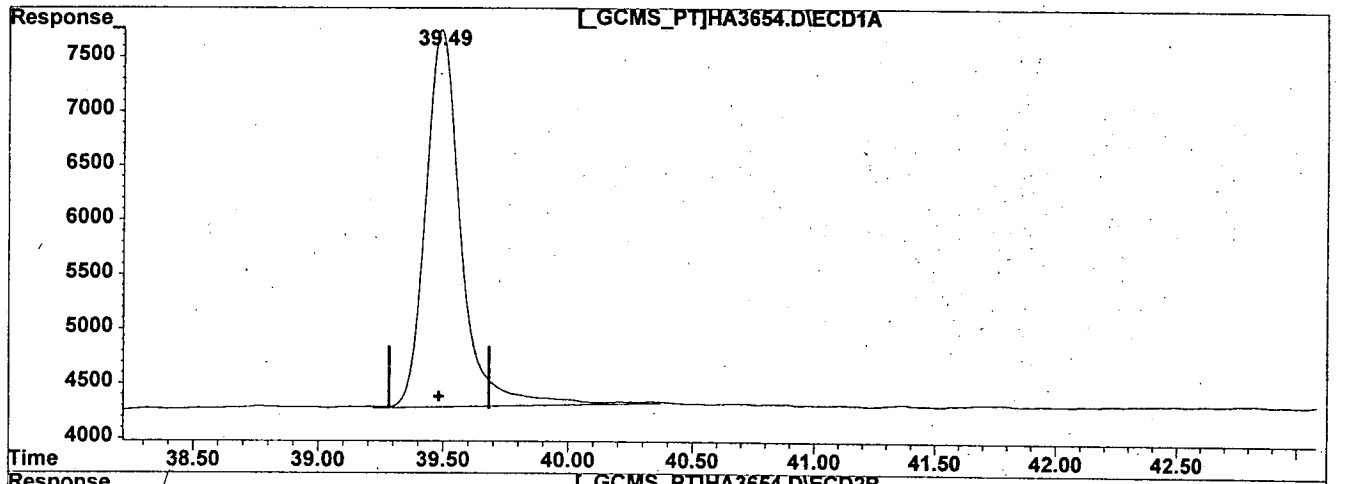


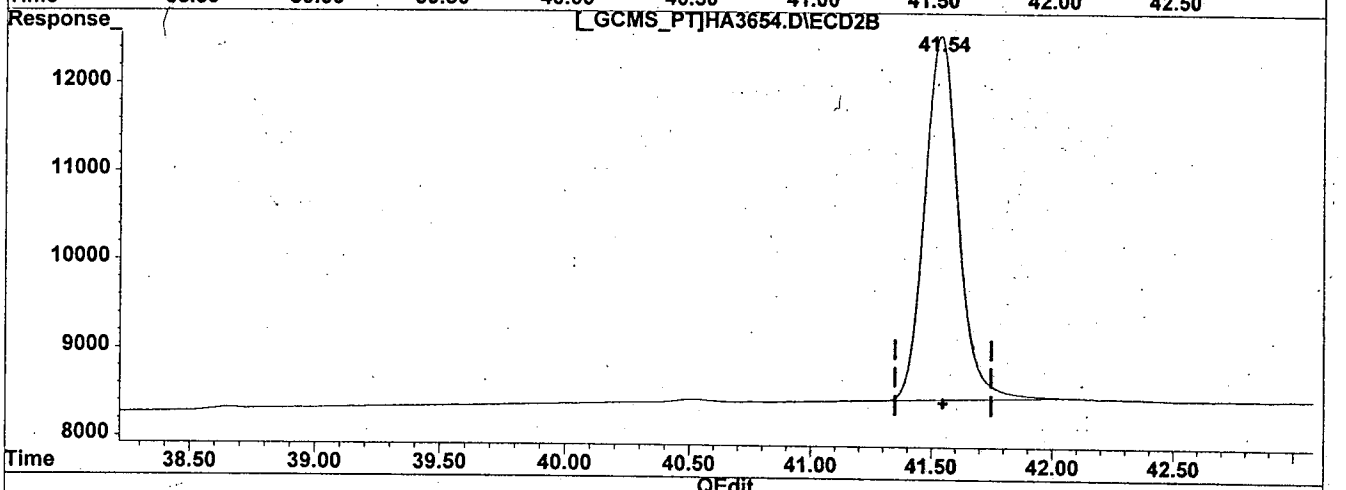


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3654.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_H\HA3654.D\ECD2B.CH
Acq On : 5 Apr 98 19:42 Operator:
Sample : AR125402 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:52 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





(22) Decachlorobiphenyl (SA)

39.49min 15.391ng/ml m

response 341863

(22) Decachlorobiphenyl #2 (SA)

41.54min 15.128ng/ml

response 401713

(+) = Expected Retention Time

HA3654.D CLP_8.M Fri Apr 10 18:33:35 1998 RPT1

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3713.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_H\HA3713.D\ECD2B.CH
Acq On : 9 Apr 98 13:16 Operator:
Sample : AR125403 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 13:06 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.21	255588	230447	15.660	18.334
Spiked Amount 40.000 Range 60 - 150 Recovery =					39.15%#	45.84%#
22) SA Decachlorobiphen	39.48	41.51	343720	410599	15.475	15.463
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.69%#	38.66%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
4[illegible]) L6 Aroclor-1254{1}	20.43	22.63	71576	80887	99.405	89.979
4[illegible]) L6 Aroclor-1254{2}	20.96	23.61	87218	76490	94.030	90.710
47) L6 Aroclor-1254{3}	23.76	26.11	95714	95261	91.327	90.663
4[illegible]) L6 Aroclor-1254{4}	26.88	28.10	52631	47428	72.465	89.161
4[illegible]) L6 Aroclor-1254{5}	27.63	29.97	104640	87929	88.183	88.113
Sum Aroclor-1254			411779	387996	445.410	448.625
Average Aroclor-1254					89.082	89.725
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

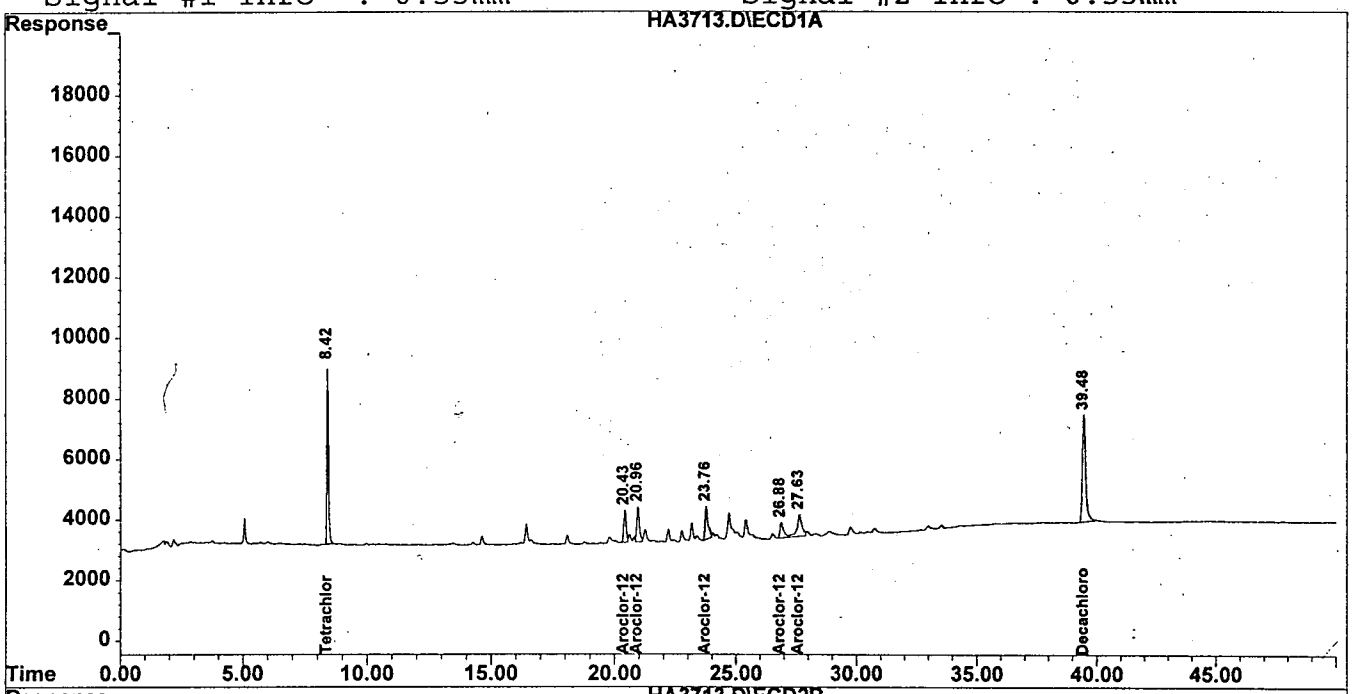
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

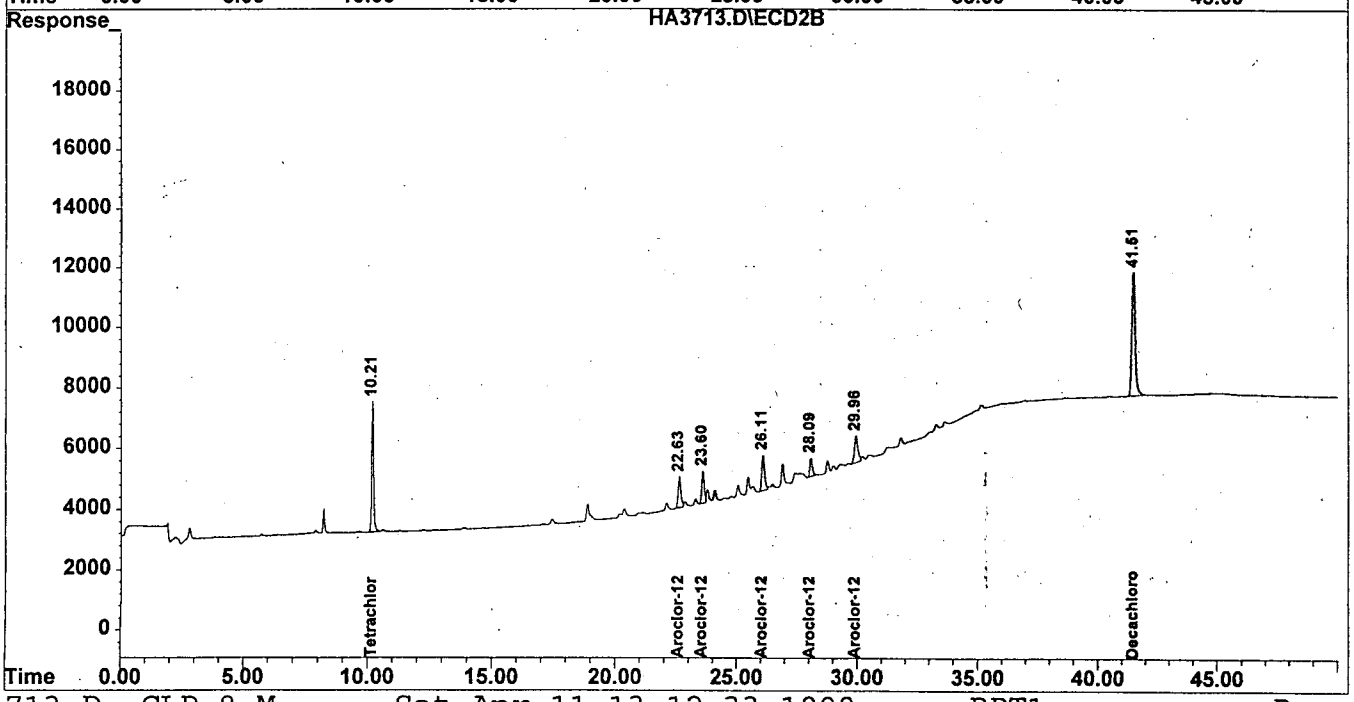
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3713.D\ECD1A.CH Vial: 31
Signal #2 : C:\HPCHEM\1\DATA_H\HA3713.D\ECD2B.CH
Acq On : 9 Apr 98 13:16 Operator:
Sample : AR125403 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 13:06 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PBLK15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

Matrix: (soil/water) SOIL Lab Sample ID: PBLK15

Sample wt/vol: 30.0 (g/mL) G Lab File ID: HA3686

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

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/29/98

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/07/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

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

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
12674-11-2------	Aroclor-1016	33.	U
11104-28-2------	Aroclor-1221	33.	U
11141-16-5------	Aroclor-1232	33.	U
53469-21-9------	Aroclor-1242	33.	U
12672-29-6------	Aroclor-1248	33.	U
11097-69-1------	Aroclor-1254	33.	U
11096-82-5------	Aroclor-1260	33.	U

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD2B.CH
Acq On : 7 Apr 98 22:18 Operator:
Sample : BLANK Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 13 13:12 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.41	10.21	493621	496263	30.245	39.481 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					75.61%	98.70%
22) SA Decachlorobiphen	39.46	41.50	780642	919037	35.146m	34.611m
Spiked Amount 40.000 Range 60 - 150 Recovery =					87.87%	86.53%
Target Compounds						
23) L1 Aroclor-1016{1}	10.75	12.68	86044	92458	232.778	302.300 #
24) L1 Aroclor-1016{2}	12.69	14.64	219449	204556	297.611	292.599
25) L1 Aroclor-1016{3}	14.62	17.05	174812	158597	121.995	126.246
26) L1 Aroclor-1016{4}	15.40	17.81	37678	75338	89.100	148.057 #
27) L1 Aroclor-1016{5}	18.07	0.00	30944	0	68.267	N.D. #
Sum Aroclor-1016			548927	530948	809.752	869.203
Average Aroclor-1016					161.950	217.301
28) L2 Aroclor-1221{1}	0.00	11.65	0	24662	N.D.	151.522 #
29) L2 Aroclor-1221{2}	10.48	12.40	17275	17102	106.141	147.125 #
30) L2 Aroclor-1221{3}	10.75	12.68	86044	92458	175.820	186.703
Sum Aroclor-1221			103319	134221	281.960	485.349
Average Aroclor-1221					140.980	161.783
31) L3 Aroclor-1232{1}	10.75	8.49	86044	13200	214.283	93.274 #
32) L3 Aroclor-1232{2}	12.69	12.68	219449	92458	590.671	261.718 #
33) L3 Aroclor-1232{3}	14.62	14.64	174812	204556	246.461	616.746 #
34) L3 Aroclor-1232{4}	15.40	17.05	37678	158597	199.382	257.536 #
Sum Aroclor-1232			517983	468811	1250.796	1229.275
Average Aroclor-1232					312.699	307.319
35) L4 Aroclor-1242{1}	10.75	12.68	86044	92458	343.012	434.441 #
36) L4 Aroclor-1242{2}	12.69	14.64	219449	204556	472.780	482.556
37) L4 Aroclor-1242{3}	14.62	17.05	174812	158597	171.413	210.351
38) L4 Aroclor-1242{4}	15.40	17.81	37678	75338	136.095	250.758 #
39) L4 Aroclor-1242{5}	18.07	0.00	30944	0	99.085	N.D. #
Sum Aroclor-1242			548927	530948	1222.385	1378.105
Average Aroclor-1242					244.477	344.526

Jas 4/13/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD2B.CH
Acq On : 7 Apr 98 22:18 Operator:
Sample : BLANK Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 13 13:12 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
40)	L5 Aroclor-1248{1}	12.69	14.64	219449	204556	737.030	726.485	
41)	L5 Aroclor-1248{2}	14.62	17.05	174812	158597	187.454	188.948	
42)	L5 Aroclor-1248{3}	16.42	18.89	17011	24475	34.962	50.900	#
43)	L5 Aroclor-1248{4}	18.07	0.00	30944	0	50.071	N.D.	#
44)	L5 Aroclor-1248{5}	0.00	20.95	0	16494	N.D.	33.326	#
	Sum Aroclor-1248			442216	404122	1009.517	999.659	
	Average Aroclor-1248					252.379	249.915	
						no	no	
46)	L6 Aroclor-1254{2}	0.00	23.58	0	14166	N.D.	16.800	#
47)	L6 Aroclor-1254{3}	0.00	26.11	0	9068	N.D.	8.631	#
48)	L6 Aroclor-1254{4}	26.87	0.00	6232	0	8.580	N.D.	#
49)	L6 Aroclor-1254{5}	0.00	29.96	0	14830	N.D.	14.861	#
	Sum Aroclor-1254			6232	38065	8.580	40.291	
	Average Aroclor-1254					8.580	13.430	
						no	no	
50)	L7 Aroclor-1260{1}	0.00	26.93	0	20131	N.D.	23.335	#
51)	L7 Aroclor-1260{3}	29.72	31.78	16424	18926	21.257	28.778	#
52)	L7 Aroclor-1260{4}	0.00	33.24	0	15771	N.D.	11.828	#
	Sum Aroclor-1260			16424	54829	21.257	63.941	
	Average Aroclor-1260					21.257	21.314	
						no	no	
	Sum Toxaphene			0	0	N.D.	N.D.	
	Average Toxaphene					0.000	0.000	

DS 4/13/98

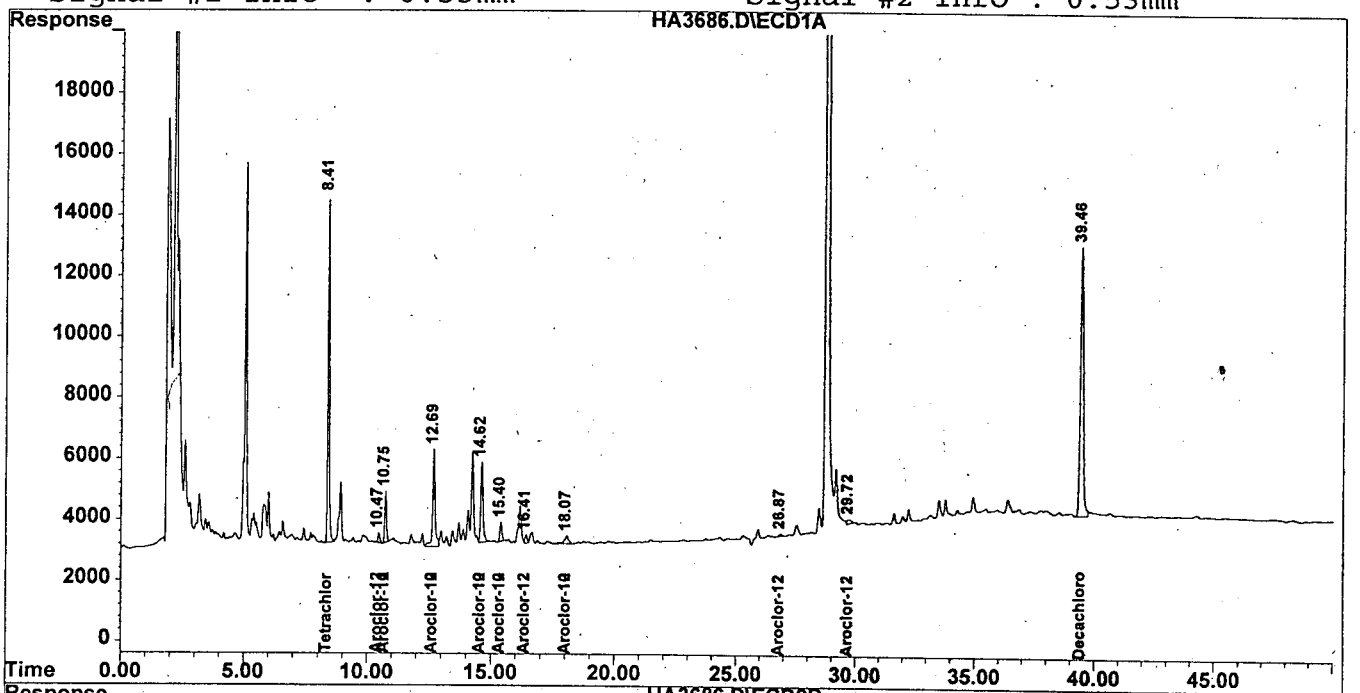
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

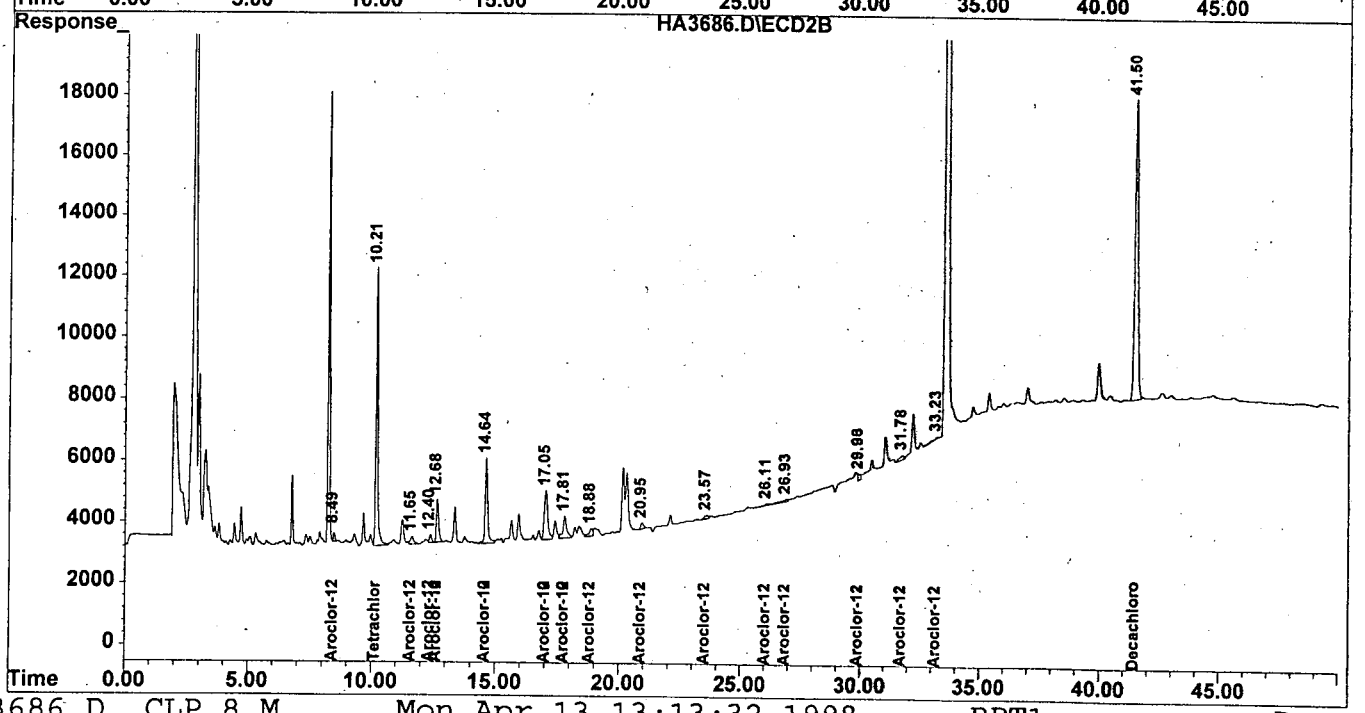
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD2B.CH
Acq On : 7 Apr 98 22:18 Operator:
Sample : BLANK Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 13 13:12 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

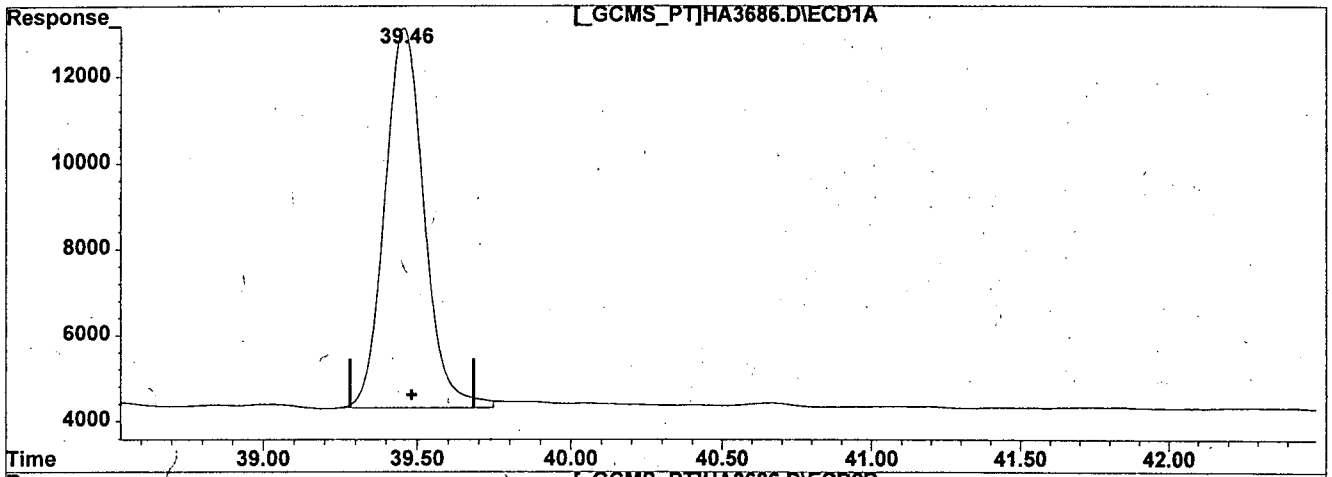


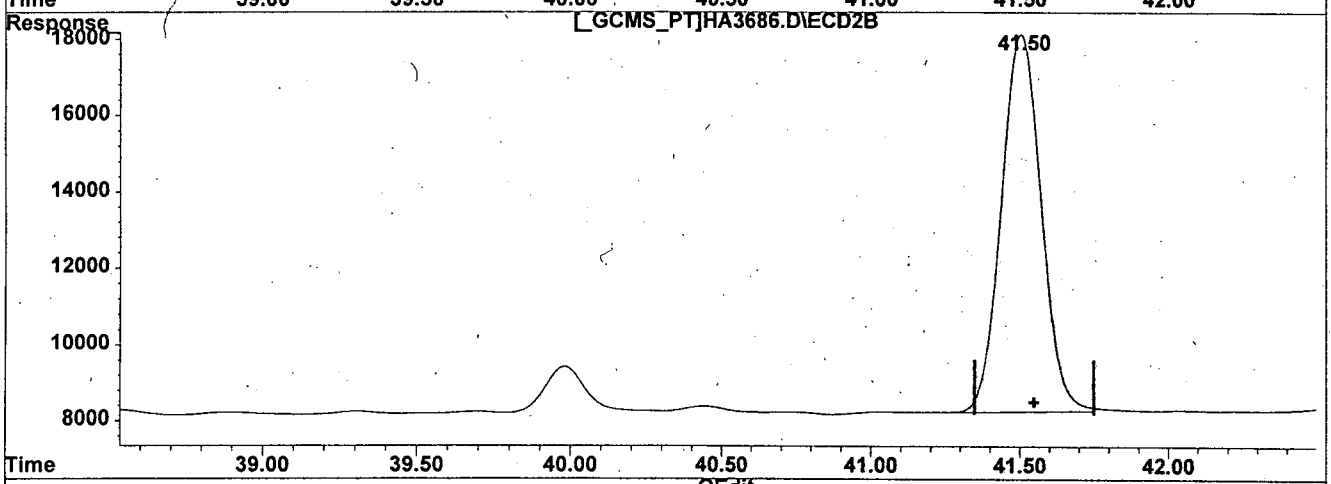


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD1A.CH Vial: 6
Signal #2 : C:\HPCHEM\1\DATA_H\HA3686.D\ECD2B.CH
Acq On : 7 Apr 98 22:18 Operator:
Sample : BLANK Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 16:11 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.46min 35.146ng/ml m

response 780642

(22) Decachlorobiphenyl #2 (SA)

41.50min 34.611ng/ml m

response 919037

(+) = Expected Retention Time

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK01

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3586

% 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: 03/25/98

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	.50	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

Signal #1 : C:\HPCHEM\1\DATA_H\HA3586.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3586.D\ECD2B.CH
Acq On : 25 Mar 98 12:53 Operator:
Sample : PIBLK01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:10 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.44	10.23	329868	216143	20.211	17.196
Spiked Amount 40.000 Range 60 - 150 Recovery =					50.53%#	42.99%#
2) SA Decachlorobiphen	39.49	41.55	336529	409194	15.151	15.410
Spiked Amount 40.000 Range 60 - 150 Recovery =					37.88%#	38.53%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

Ma 3/31/98

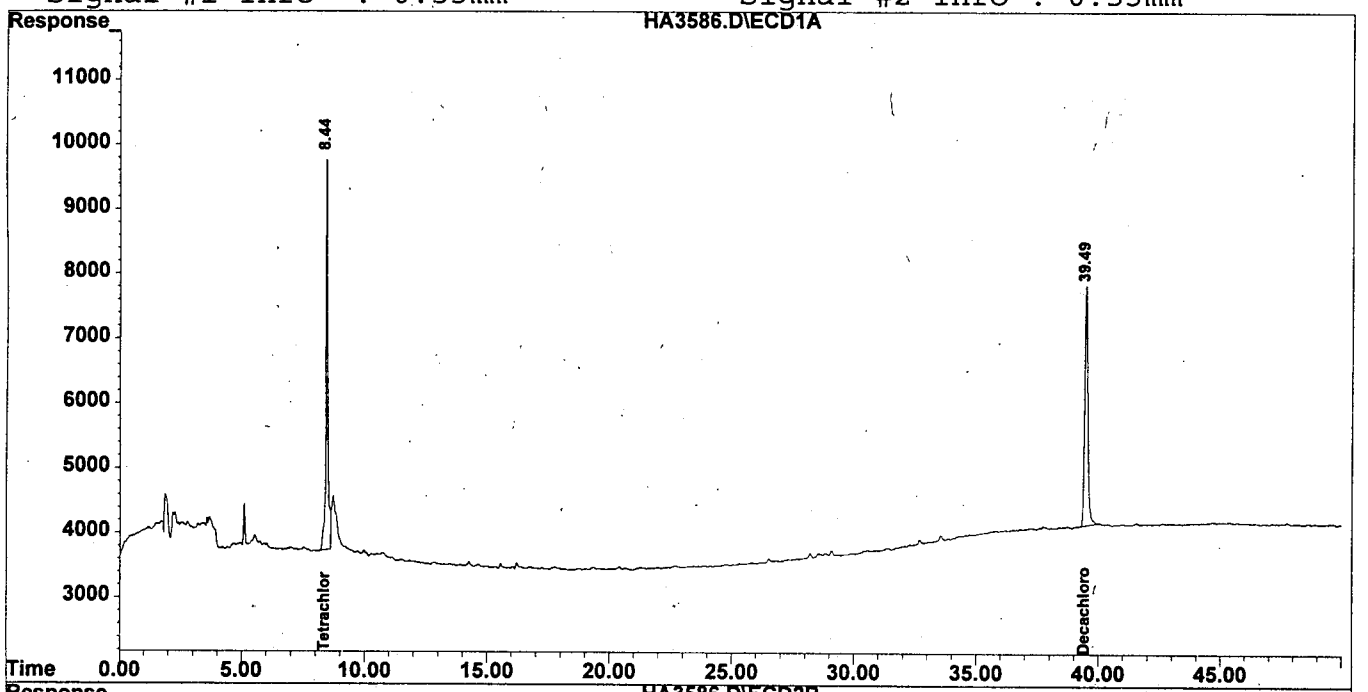
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

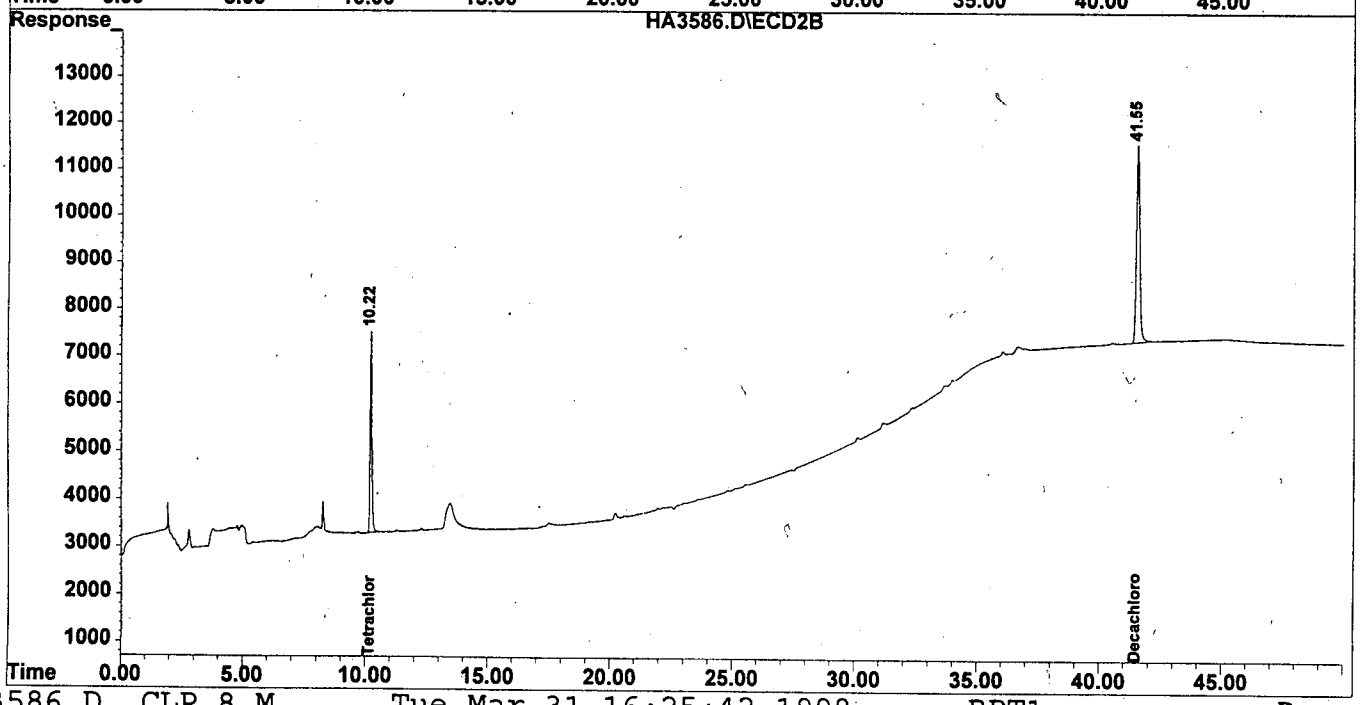
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3586.D\ECD1A.CH Vial: 16
Signal #2 : C:\HPCHEM\1\DATA_H\HA3586.D\ECD2B.CH
Acq On : 25 Mar 98 12:53 Operator:
Sample : PIBLK01 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:10 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK02

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3597

% 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: 03/25/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3597.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3597.D\ECD2B.CH
Acq On : 25 Mar 98 23:54 Operator:
Sample : PIBLK02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:35 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.22	402755	221741	24.677	17.641 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					61.69%	44.10%#
2) SA Decachlorobiphen	39.47	41.53	337111	451411	15.177	17.000
Spiked Amount 40.000 Range 60 - 150 Recovery =					37.94%#	42.50%#
Target Compounds						
3) L1 Aroclor-1016{1}	0.00	12.72	0	46879	N.D.	153.275 #
Sum Aroclor-1016			0	46879	N.D.	153.275
Average Aroclor-1016					0.000	153.275
28) L2 Aroclor-1221{1}	7.25	0.00	87897	0	572.706	N.D. #
30) L2 Aroclor-1221{3}	0.00	12.72	0	46879	N.D.	94.664 #
Sum Aroclor-1221			87897	46879	572.706	94.664
Average Aroclor-1221					572.706	94.664
2) L3 Aroclor-1232{2}	0.00	12.72	0	46879	N.D.	132.699 #
Sum Aroclor-1232			0	46879	N.D.	132.699
Average Aroclor-1232					0.000	132.699
5) L4 Aroclor-1242{1}	0.00	12.72	0	46879	N.D.	220.275 #
Sum Aroclor-1242			0	46879	N.D.	220.275
Average Aroclor-1242					0.000	220.275
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
8) L6 Aroclor-1254{4}	26.96	0.00	3422	0	4.711	N.D. #
Sum Aroclor-1254			3422	0	4.711	N.D.
Average Aroclor-1254					4.711	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

3/31/98

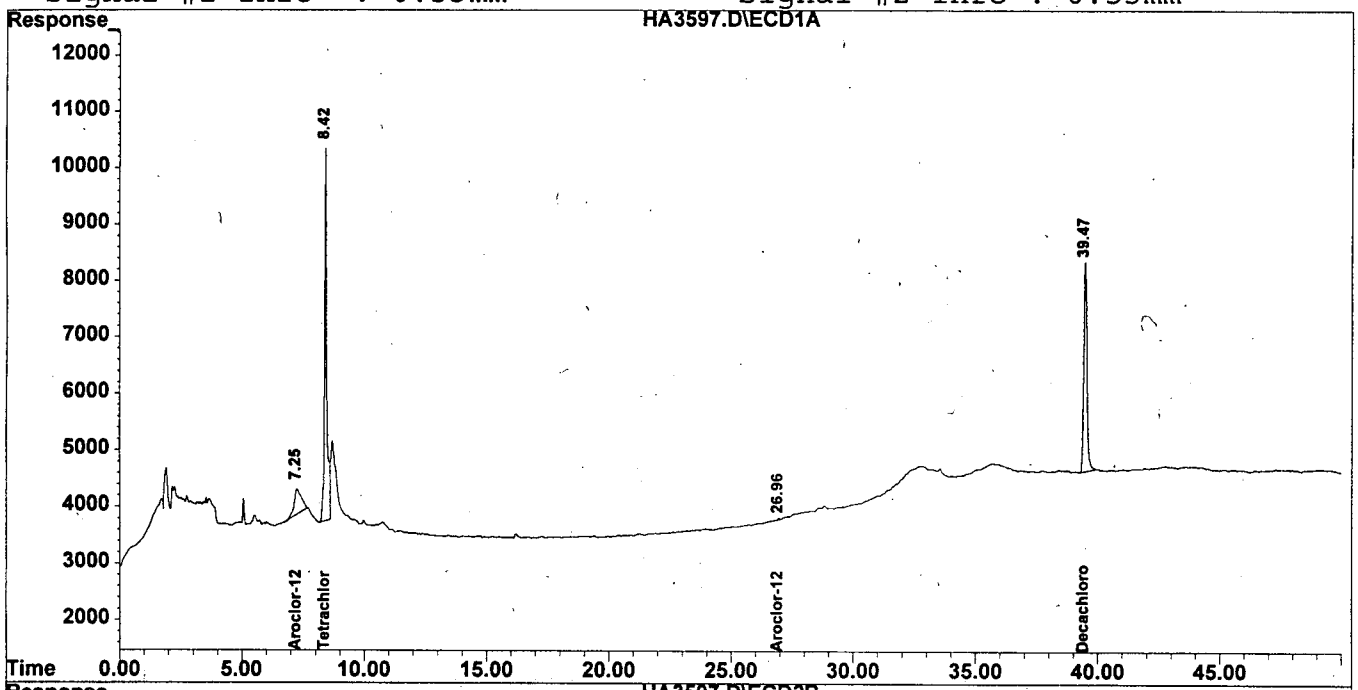
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

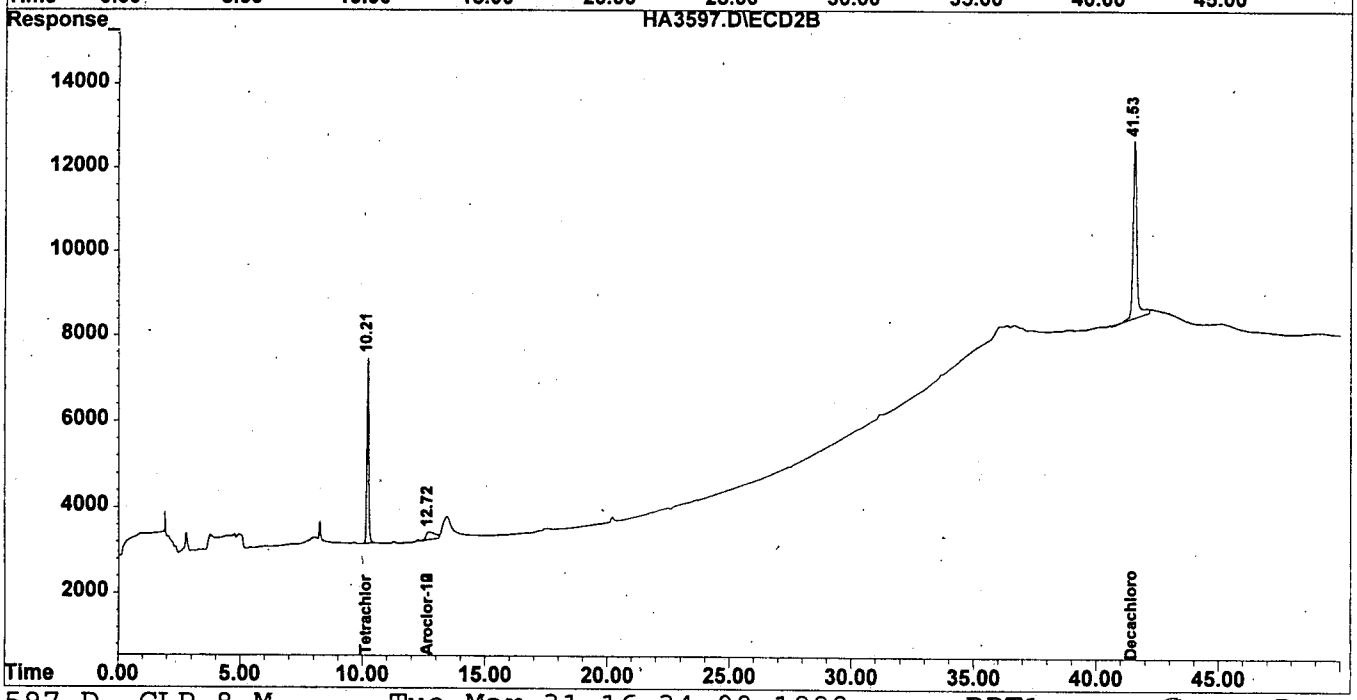
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3597.D\ECD1A.CH Vial: 27
Signal #2 : C:\HPCHEM\1\DATA_H\HA3597.D\ECD2B.CH
Acq On : 25 Mar 98 23:54 Operator:
Sample : PIBLK02 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:35 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D

PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK03

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3600

% 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: 03/26/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3600.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3600.D\ECD2B.CH
Acq On : 26 Mar 98 16:55 Operator:
Sample : PIBLK03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:09 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.21	317350	219101	19.444	17.431
Spiked Amount 40.000 Range 60 - 150 Recovery =					48.61%#	43.58%#
22) SA Decachlorobiphen	39.47	41.52	348795	402382	15.703	15.154
Spiked Amount 40.000 Range 60 - 150 Recovery =					39.26%#	37.89%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

2/3/3/8

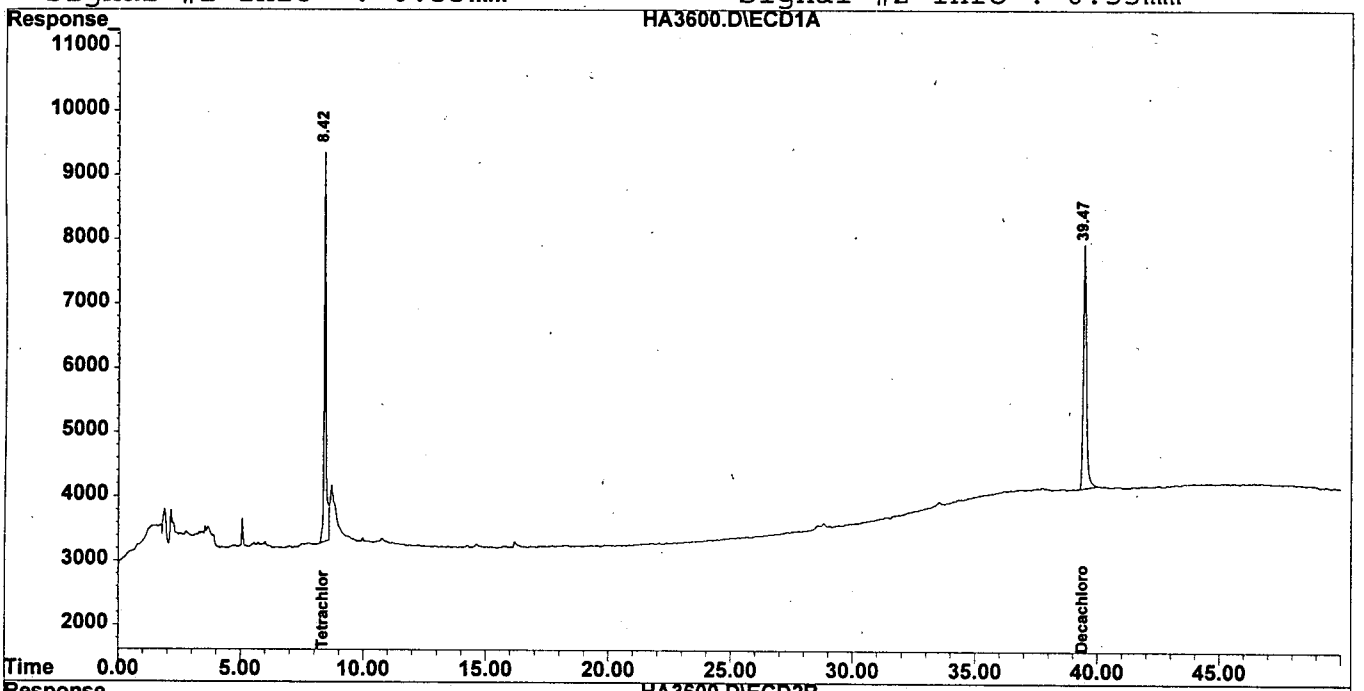
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

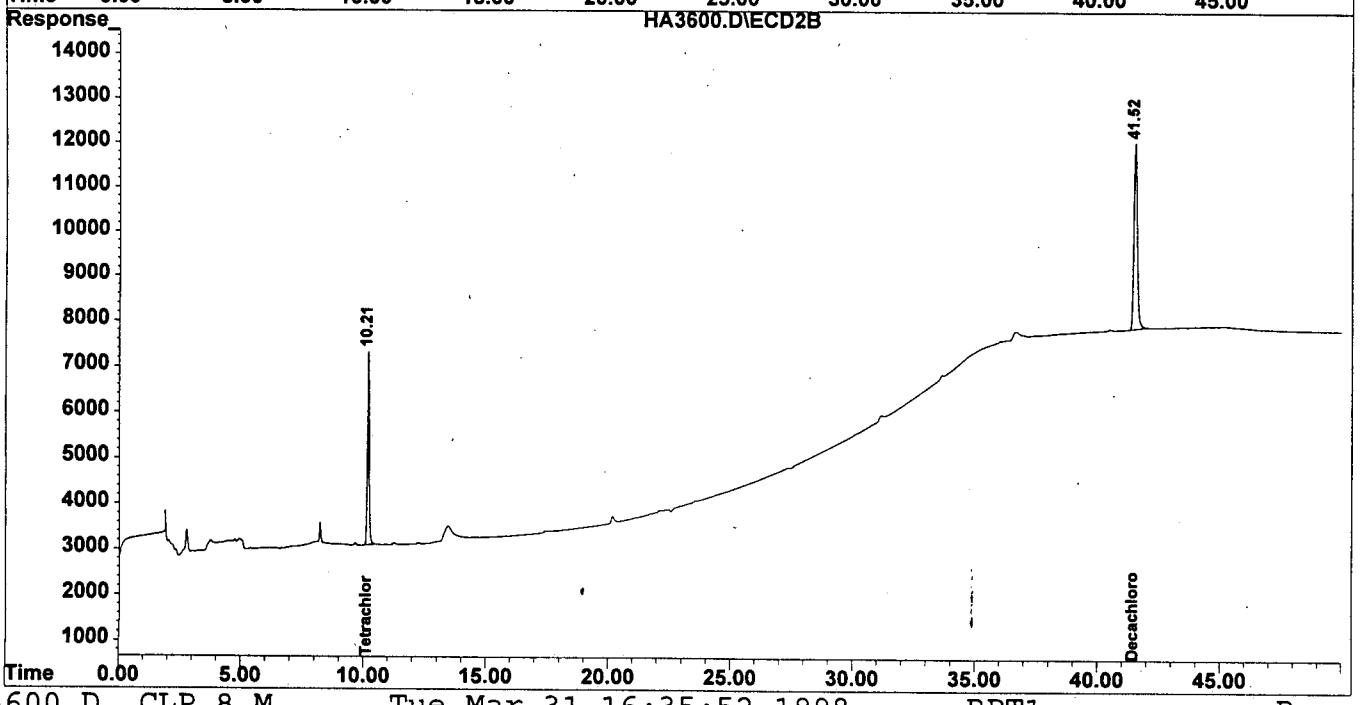
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3600.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3600.D\ECD2B.CH
Acq On : 26 Mar 98 16:55 Operator:
Sample : PIBLK03 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 15:09 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK04

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3614

% 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: 03/27/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3614.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3614.D\ECD2B.CH
Acq On : 27 Mar 98 5:51 Operator:
Sample : PIBLK04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:10 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.21	292333	222934	17.912m	17.736
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.78%#	44.34%#
2) SA Decachlorobiphen	39.47	41.53	369913	460237	16.654	17.332
Spiked Amount 40.000 Range 60 - 150 Recovery =					41.64%#	43.33%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

3/31/98

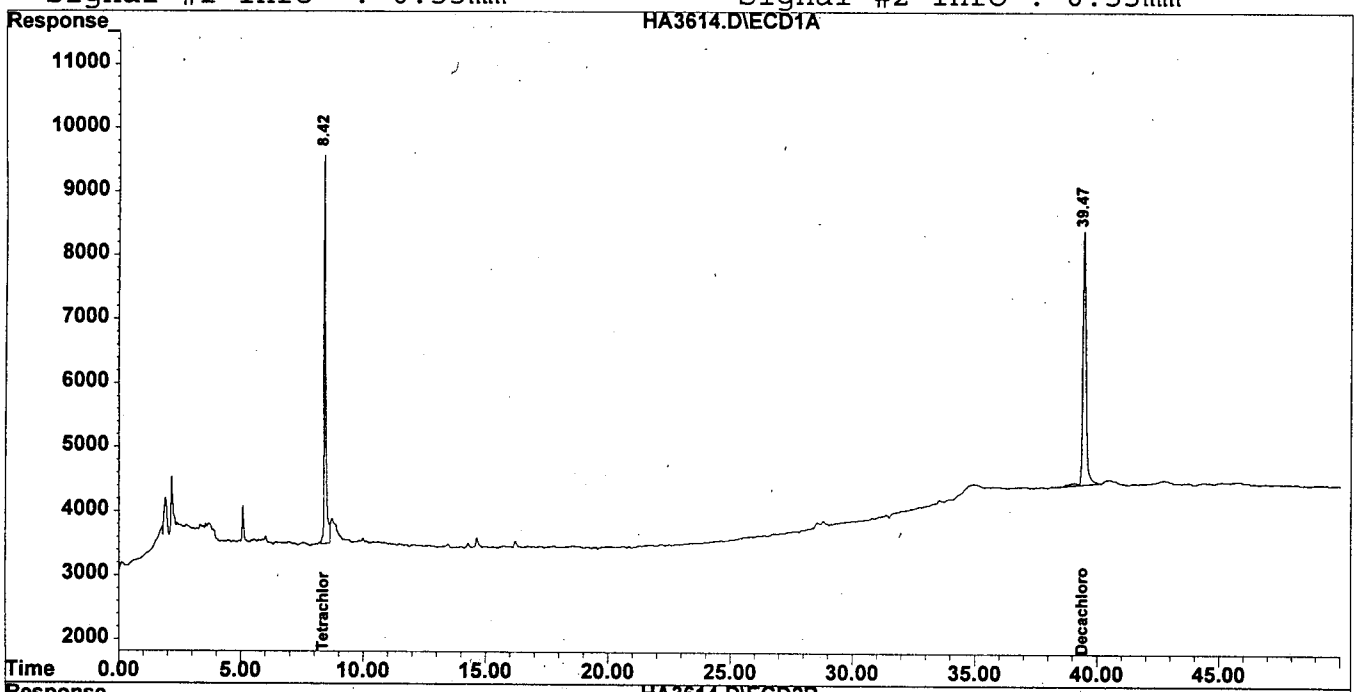
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

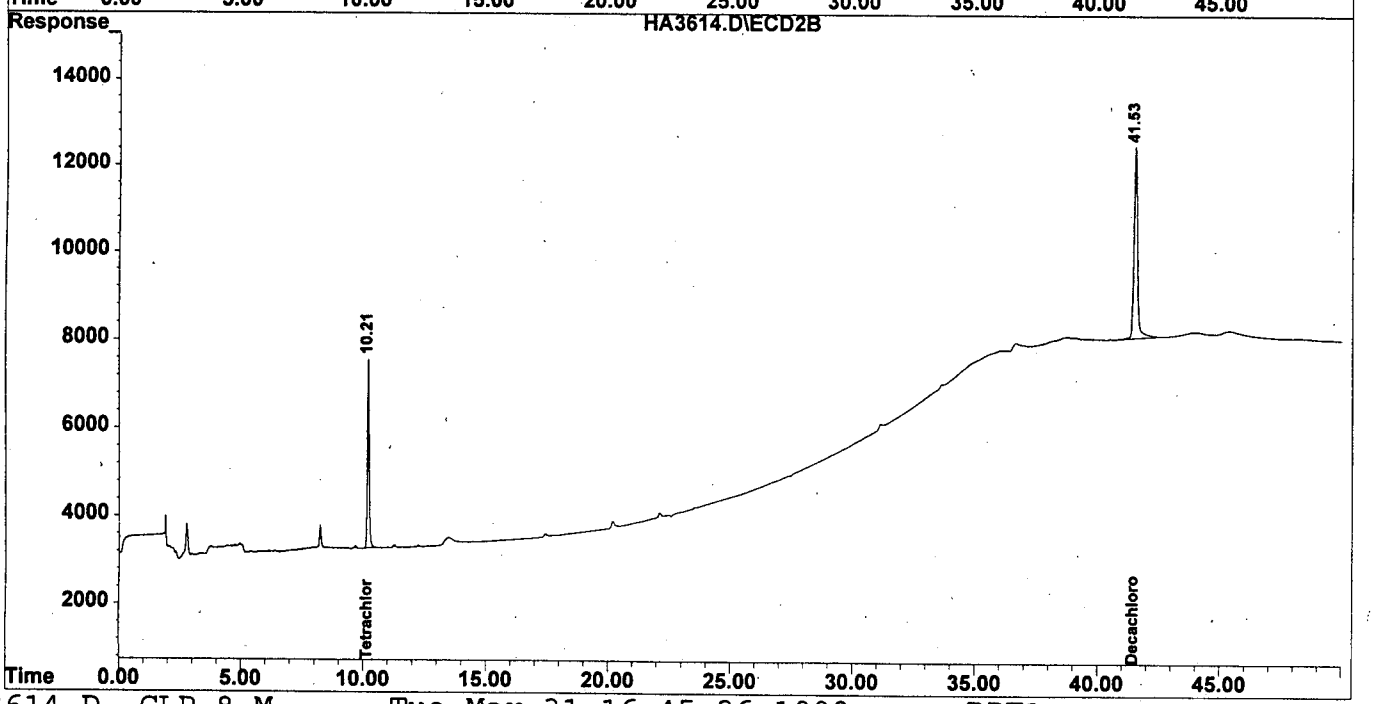
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3614.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3614.D\ECD2B.CH
Acq On : 27 Mar 98 5:51 Operator:
Sample : PIBLK04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:10 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

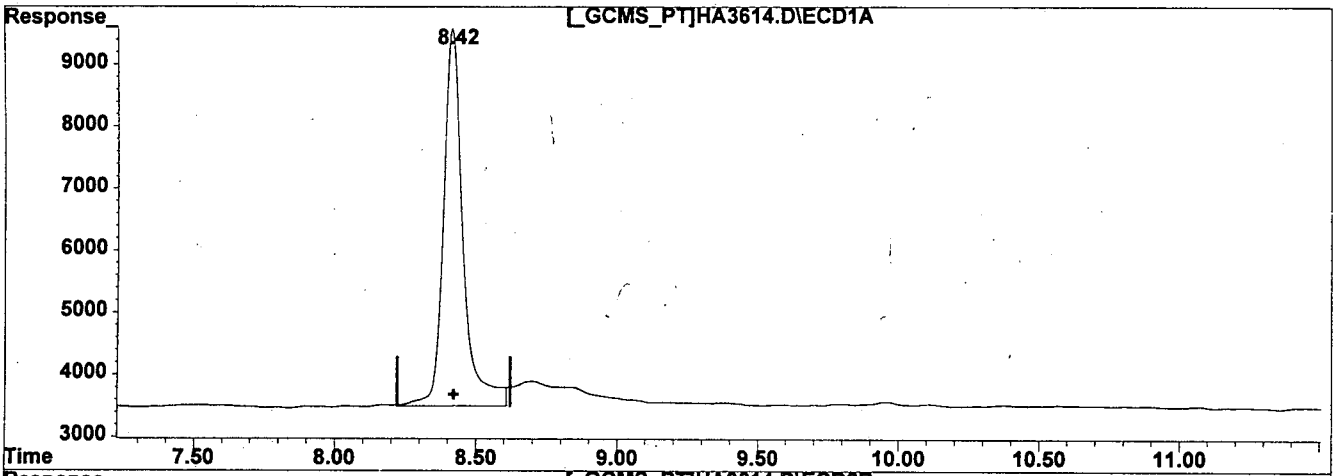


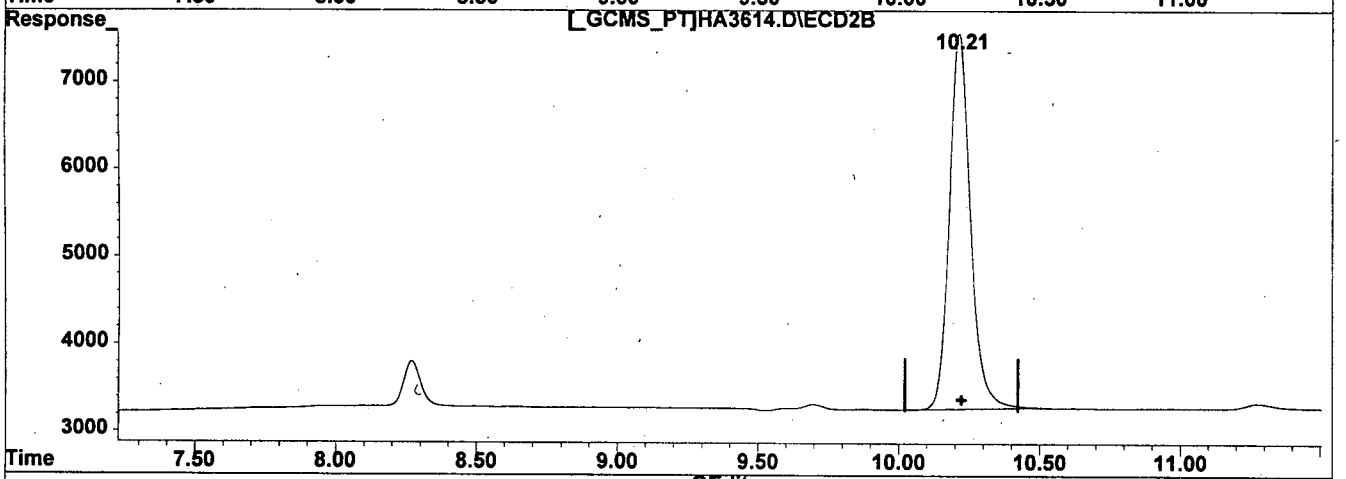


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3614.D\ECD1A.CH Vial: 15
Signal #2 : C:\HPCHEM\1\DATA_H\HA3614.D\ECD2B.CH
Acq On : 27 Mar 98 5:51 Operator:
Sample : PIBLK04 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:10 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(1) Tetrachloro-m-xylene (SA)

8.42min 17.912ng/ml m

response 292333

(1) Tetrachloro-m-xylene #2 (SA)

10.21min 17.736ng/ml

response 222934

(+) = Expected Retention Time

HA3614.D CLP_8.M Tue Mar 31 17:32:05 1998 RPT1

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK05

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3620

% 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: 03/27/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3620.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_H\HA3620.D\ECD2B.CH
Acq On : 27 Mar 98 18:26 Operator:
Sample : PIBLK05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:19 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.40	10.19	280979	226204	17.216	17.996
Spiked Amount 40.000 Range 60 - 150 Recovery =					43.04%#	44.99%#
22) SA Decachlorobiphen	39.44	41.49	363966	413654	16.386	15.578
Spiked Amount 40.000 Range 60 - 150 Recovery =					40.97%#	38.94%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

3/31/98

456

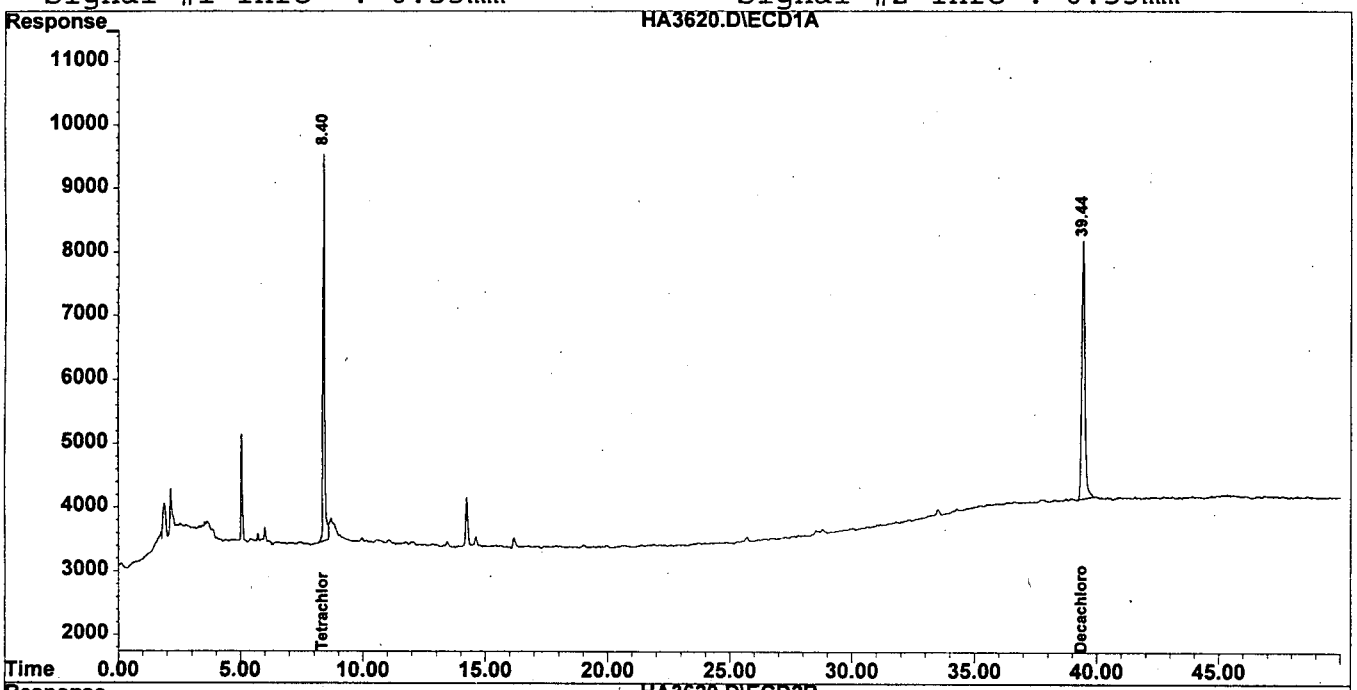
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

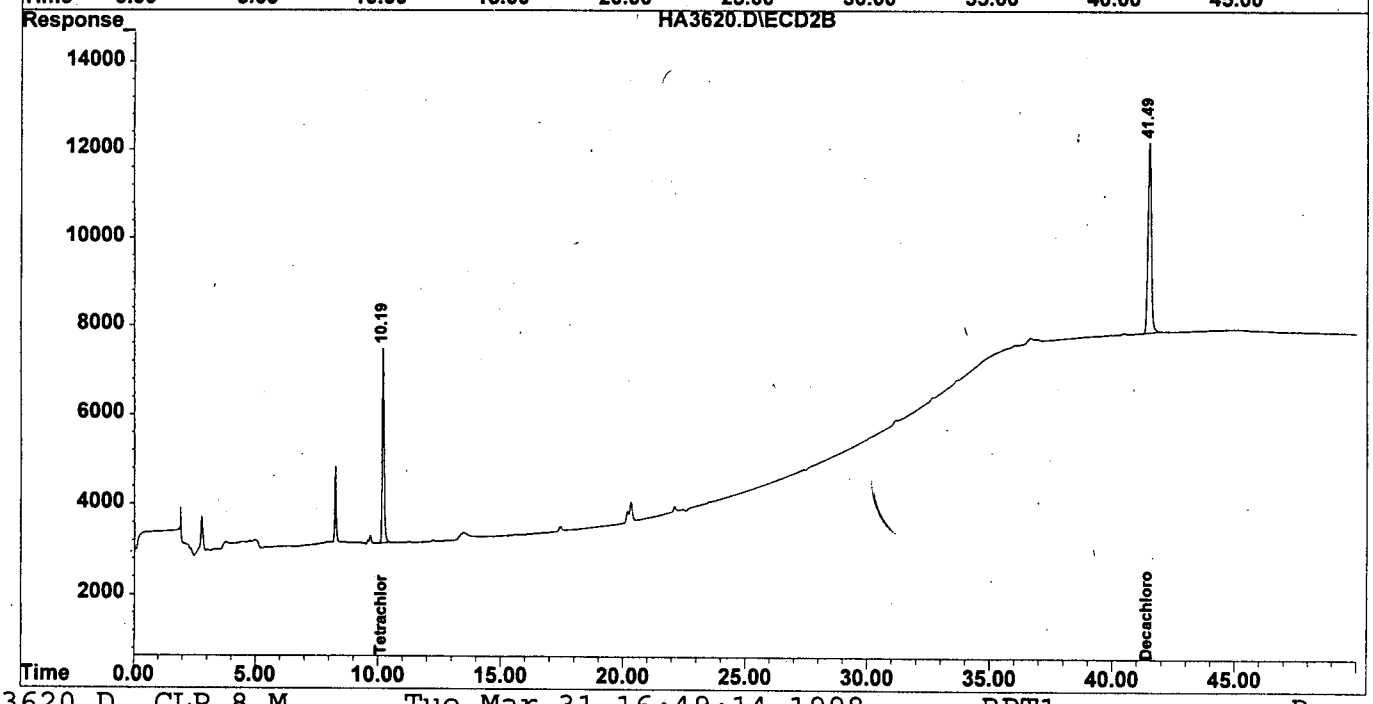
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3620.D\ECD1A.CH Vial: 21
Signal #2 : C:\HPCHEM\1\DATA_H\HA3620.D\ECD2B.CH
Acq On : 27 Mar 98 18:26 Operator:
Sample : PIBLK05 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:19 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK06

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3622

% 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: 03/30/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3622.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3622.D\ECD2B.CH
Acq On : 30 Mar 98 10:57 Operator:
Sample : PIBLK06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:20 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.45	10.23	241423	213648	14.792	16.997
Spiked Amount 40.000 Range 60 - 150 Recovery =					36.98%#	42.49%#
2) SA Decachlorobiphen	39.50	41.55	341399	389030	15.370	14.651
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.43%#	36.63%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.38	0	3443	N.D.	5.783 #
Sum Aroclor-1016			0	3443	N.D.	5.783
Average Aroclor-1016					0.000	5.783
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.38	0	3443	N.D.	9.334 #
Sum Aroclor-1242			0	3443	N.D.	9.334
Average Aroclor-1242					0.000	9.334
43) L5 Aroclor-1248{4}	0.00	20.38	0	3443	N.D.	4.474 #
Sum Aroclor-1248			0	3443	N.D.	4.474
Average Aroclor-1248					0.000	4.474
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

3/31/98

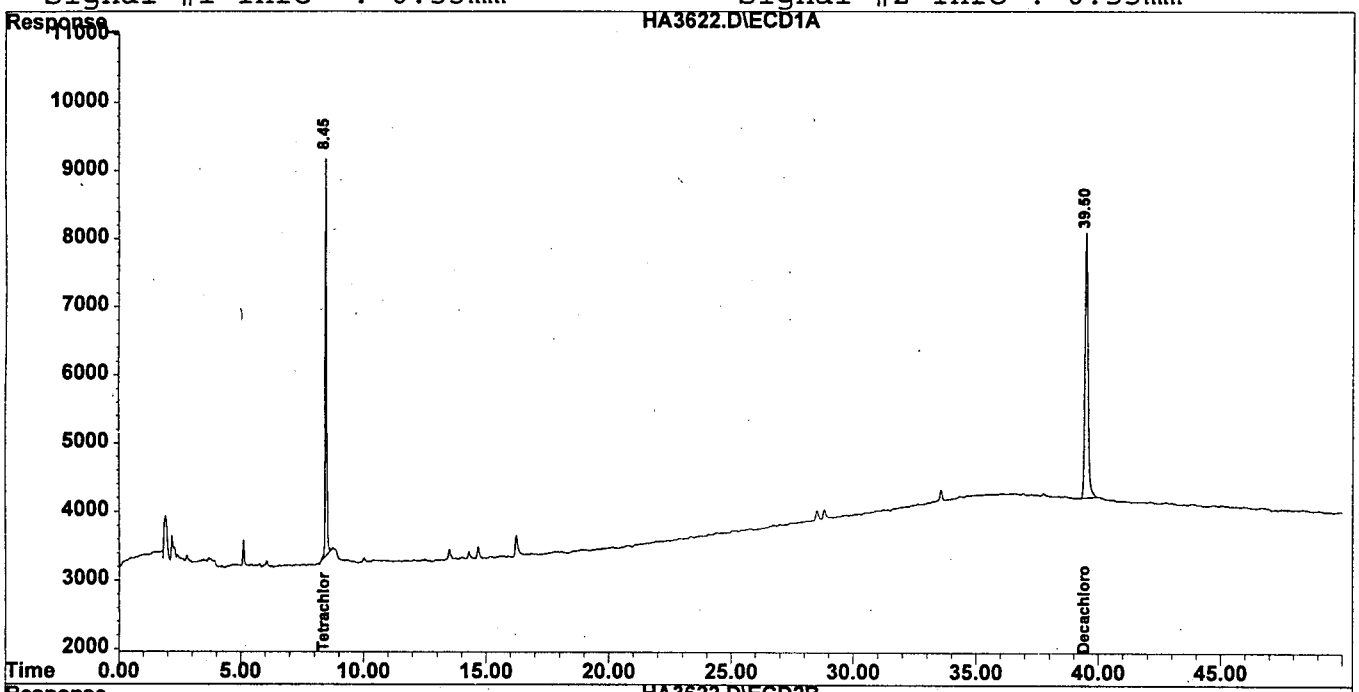
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

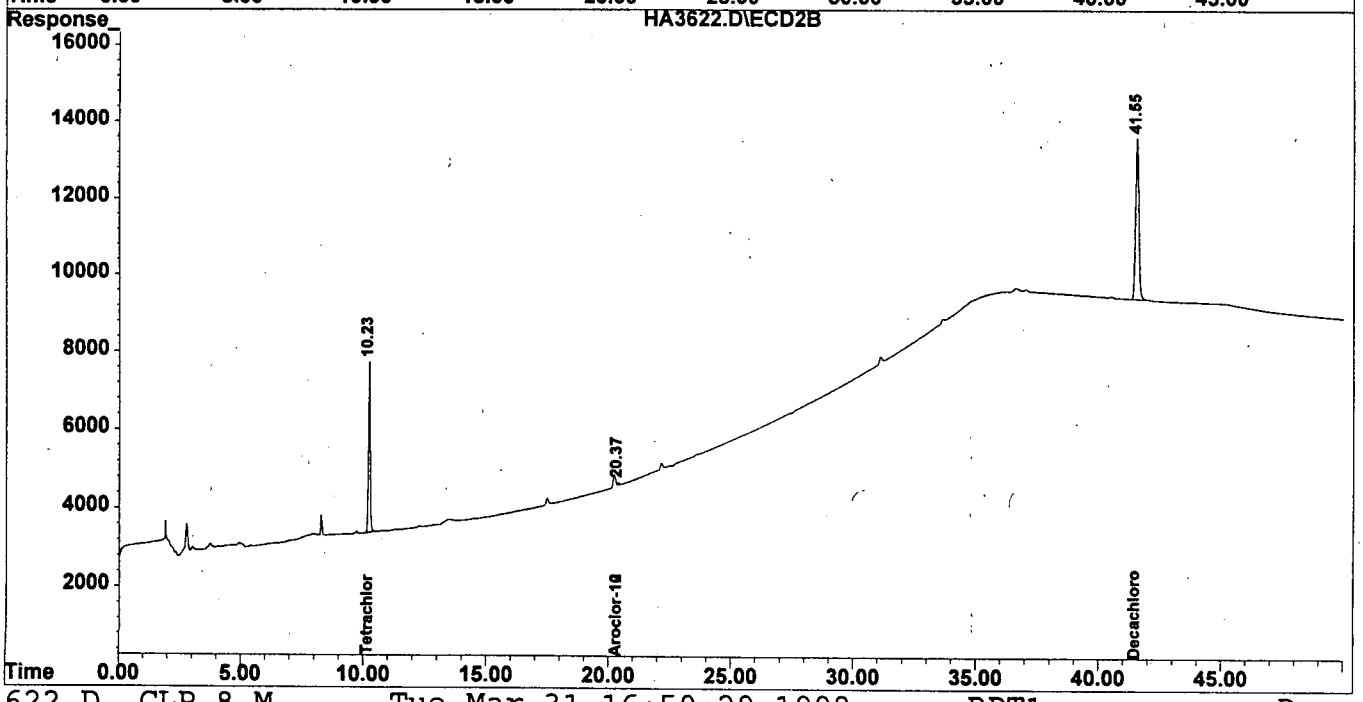
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3622.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3622.D\ECD2B.CH
Acq On : 30 Mar 98 10:57 Operator:
Sample : PIBLK06 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 31 16:20 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK07

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3624

% 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: 04/03/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3624.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3624.D\ECD2B.CH
Acq On : 3 Apr 98 18:16 Operator:
Sample : PIBLK07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 12:44 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	8.45	10.23	234122	219357	14.345	17.451
Spiked Amount 40.000 Range 60 - 150 Recovery =					35.86%#	43.63%#
22) SA Decachlorobiphen	39.50	41.55	335161	387126	15.089	14.579
Spiked Amount 40.000 Range 60 - 150 Recovery =					37.72%#	36.45%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.38	0	6895	N.D.	11.580 #
Sum Aroclor-1016			0	6895	N.D.	11.580
erage Aroclor-1016					0.000	11.580
Sum Aroclor-1221			0	0	N.D.	N.D.
erage Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
erage Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.38	0	6895	N.D.	18.692 #
Sum Aroclor-1242			0	6895	N.D.	18.692
erage Aroclor-1242					0.000	18.692
) L5 Aroclor-1248{4}	0.00	20.38	0	6895	N.D.	8.959 #
Sum Aroclor-1248			0	6895	N.D.	8.959
Average Aroclor-1248					0.000	8.959
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
erage Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
erage Toxaphene					0.000	0.000

4/15/98

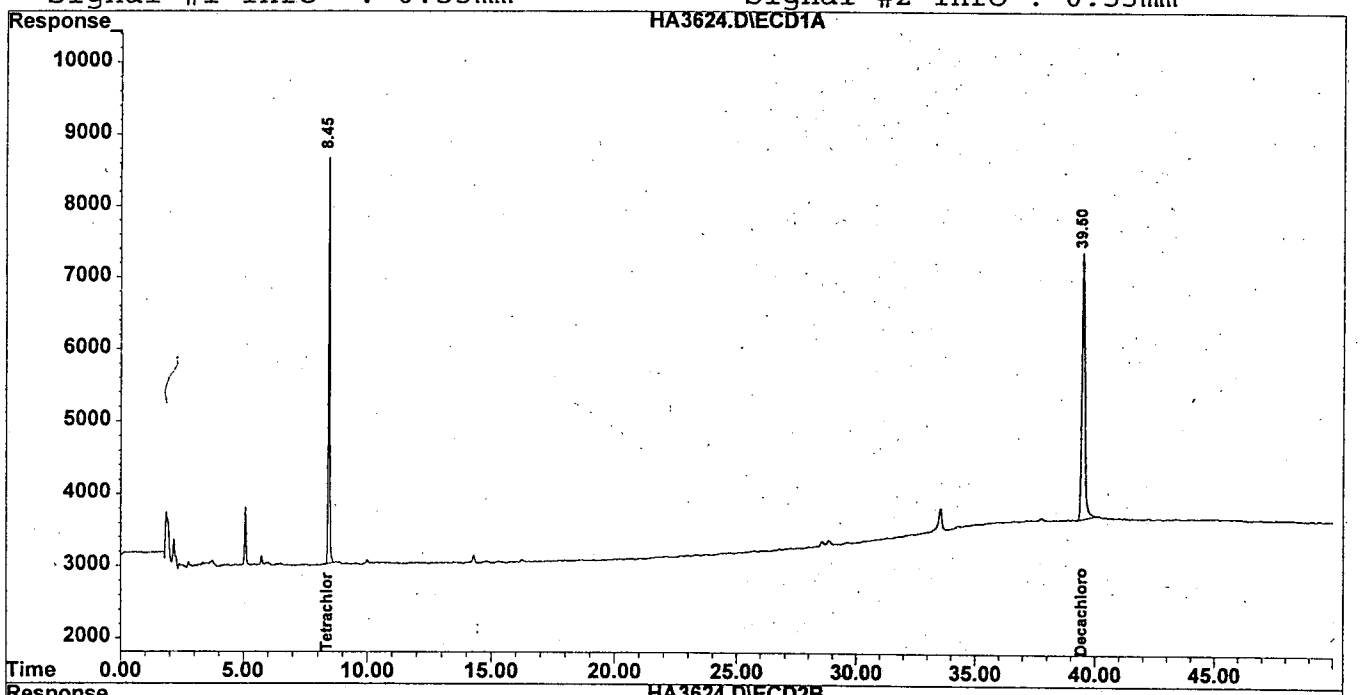
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

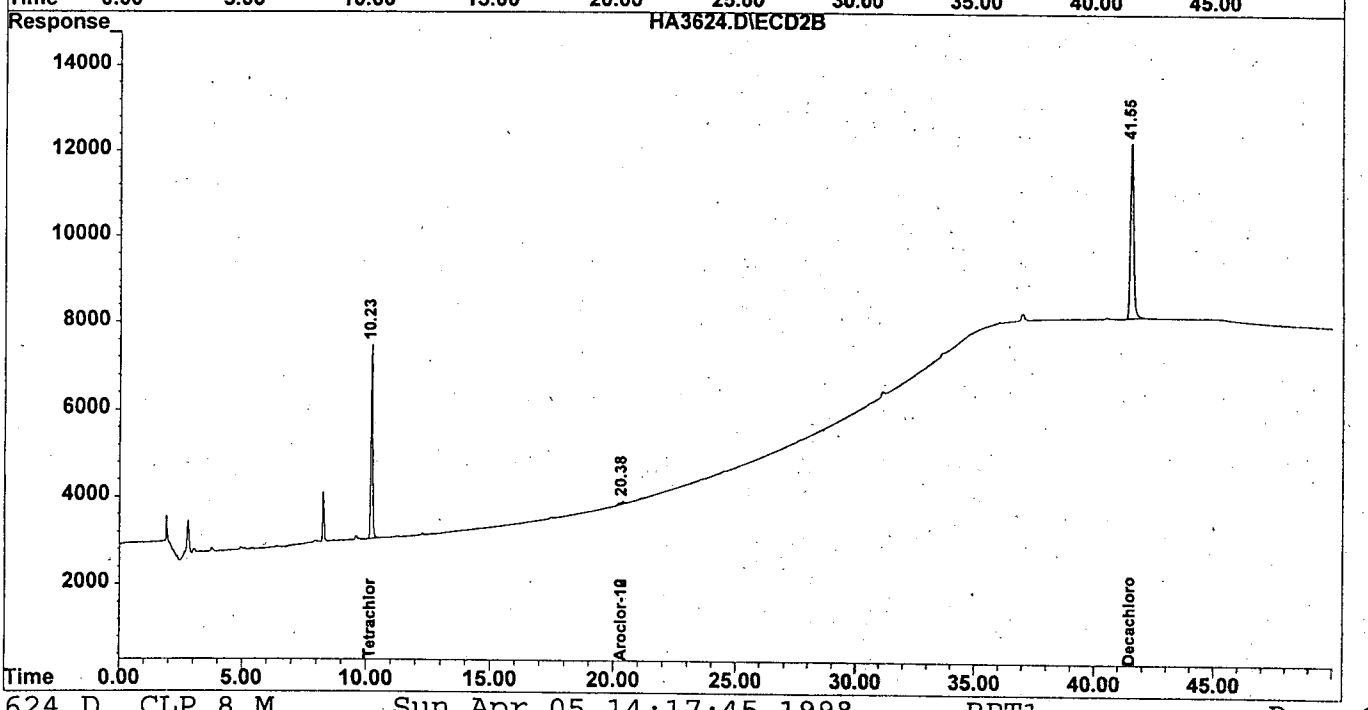
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3624.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3624.D\ECD2B.CH
Acq On : 3 Apr 98 18:16 Operator:
Sample : PIBLK07 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 12:44 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK08

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3637

% 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: 04/04/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3637.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3637.D\ECD2B.CH
Acq On : 4 Apr 98 5:58 Operator:
Sample : PIBLK08 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 12:48 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.23	251143	225666	15.388	17.953
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.47%#	44.88%#
22) SA Decachlorobiphen	39.52	41.56	311060	523174	14.004	19.703 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					35.01%#	49.26%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

4/5/98

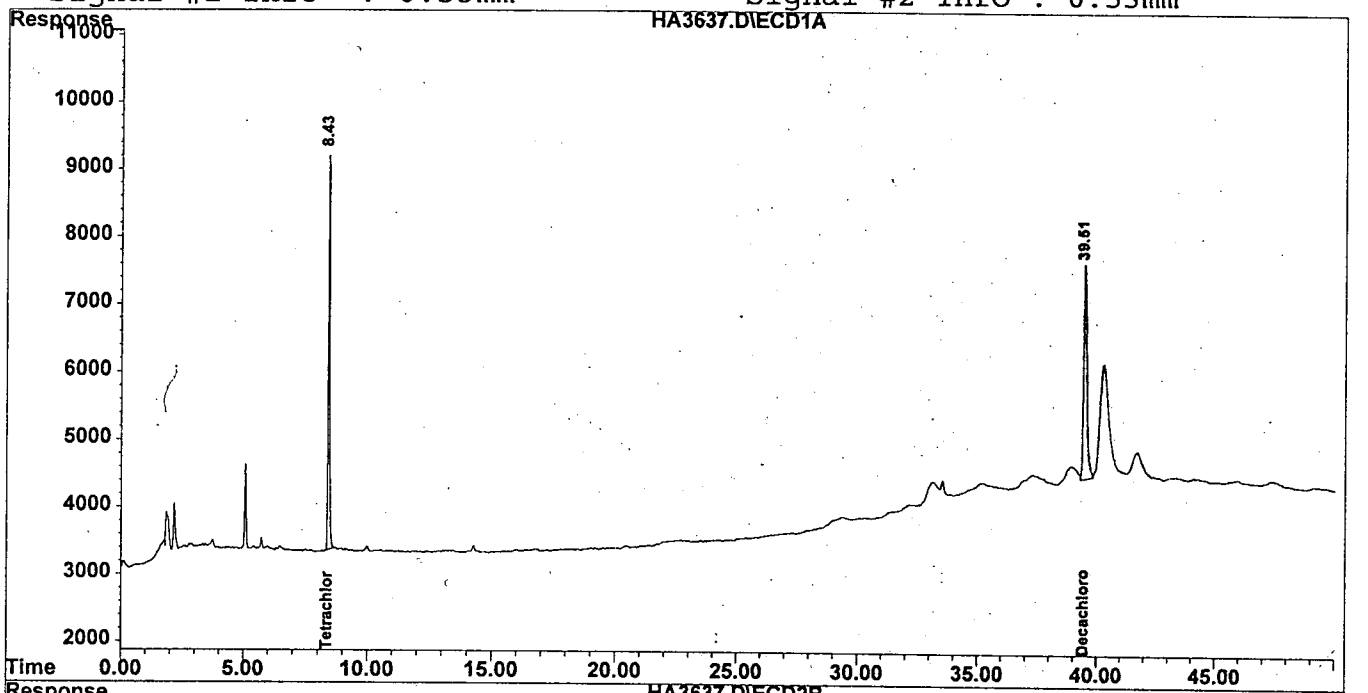
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

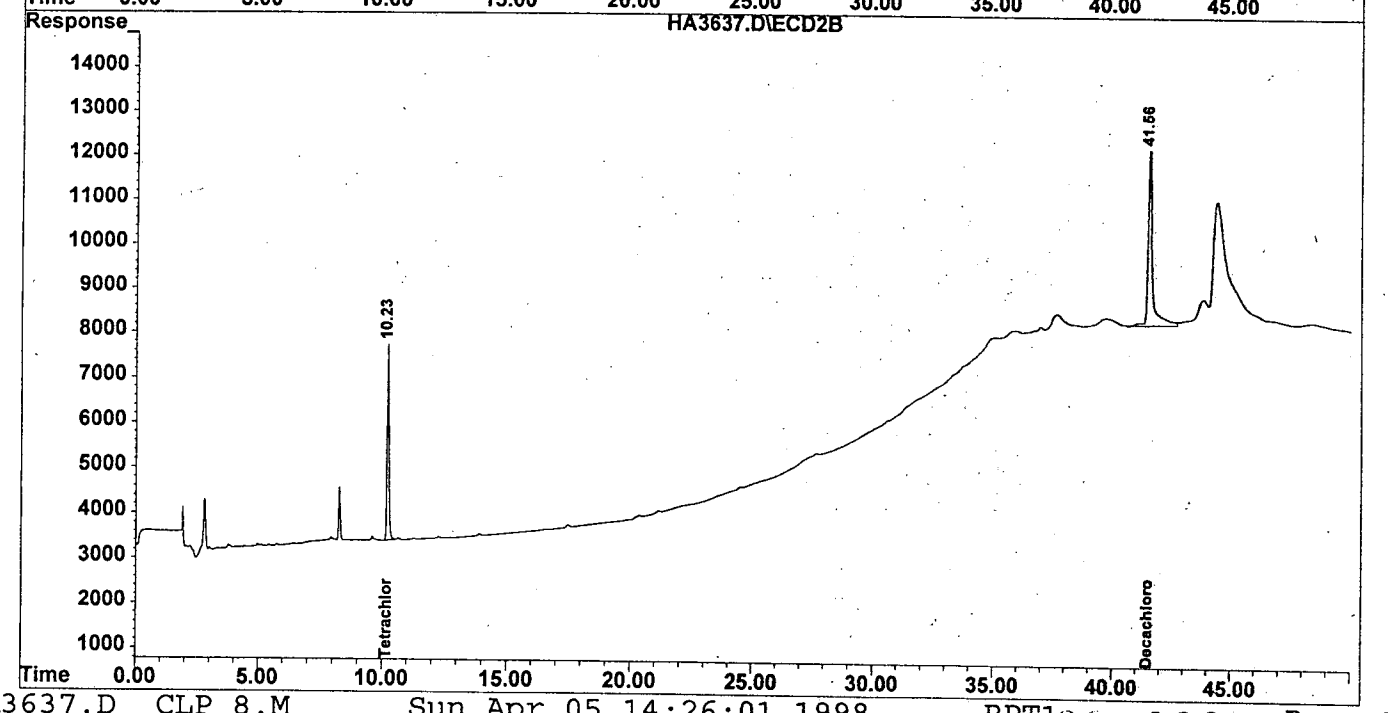
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3637.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3637.D\ECD2B.CH
Acq On : 4 Apr 98 5:58 Operator:
Sample : PIBLK08 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 12:48 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK09

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3649

% 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: 04/04/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3649.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3649.D\ECD2B.CH
Acq On : 4 Apr 98 20:44 Operator:
Sample : PIBLK09 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 12:51 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.22	266284	239257	16.316	19.035
Spiked Amount 40.000 Range 60 - 150 Recovery =					40.79%#	47.59%#
22) SA Decachlorobiphen	39.50	41.54	322874	409832	14.536	15.434
Spiked Amount 40.000 Range 60 - 150 Recovery =					36.34%#	38.58%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.36	0	6261	N.D.	10.515 #
Sum Aroclor-1016			0	6261	N.D.	10.515
Average Aroclor-1016					0.000	10.515
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.36	0	6261	N.D.	16.974 #
Sum Aroclor-1242			0	6261	N.D.	16.974
Average Aroclor-1242					0.000	16.974
43) L5 Aroclor-1248{4}	0.00	20.36	0	6261	N.D.	8.135 #
Sum Aroclor-1248			0	6261	N.D.	8.135
Average Aroclor-1248					0.000	8.135
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

9/3/98

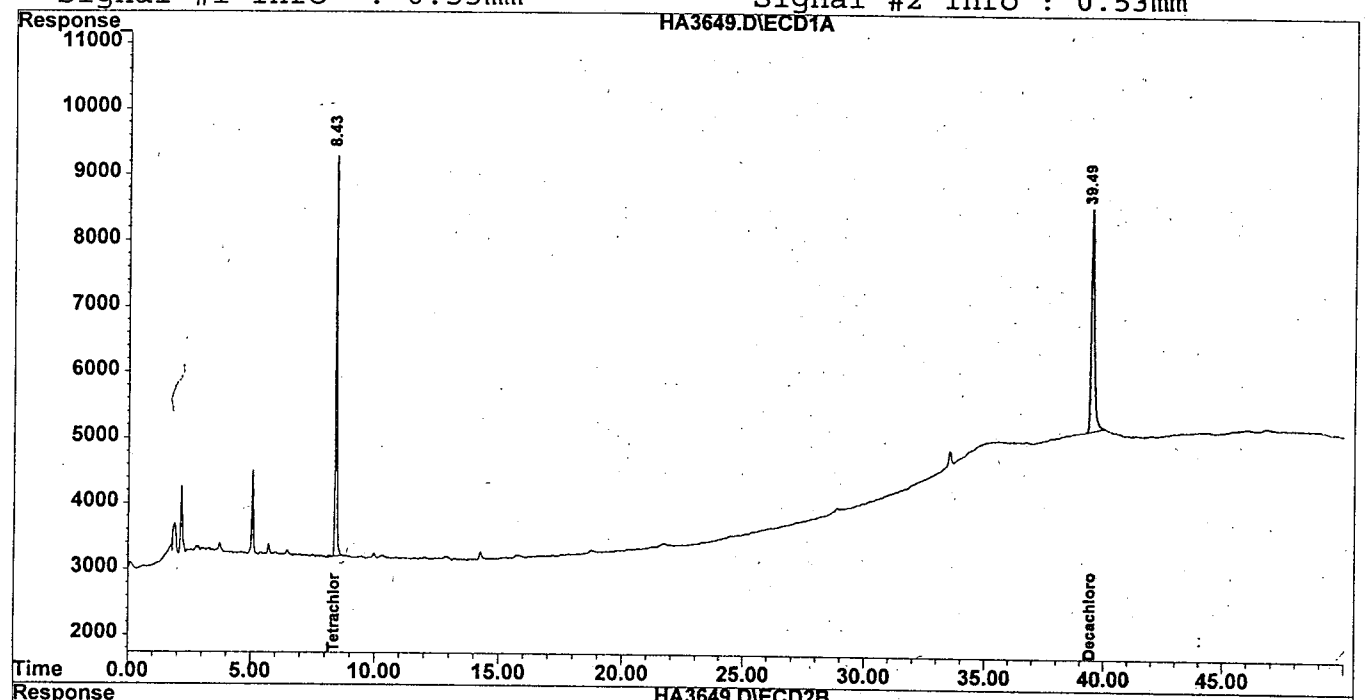
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

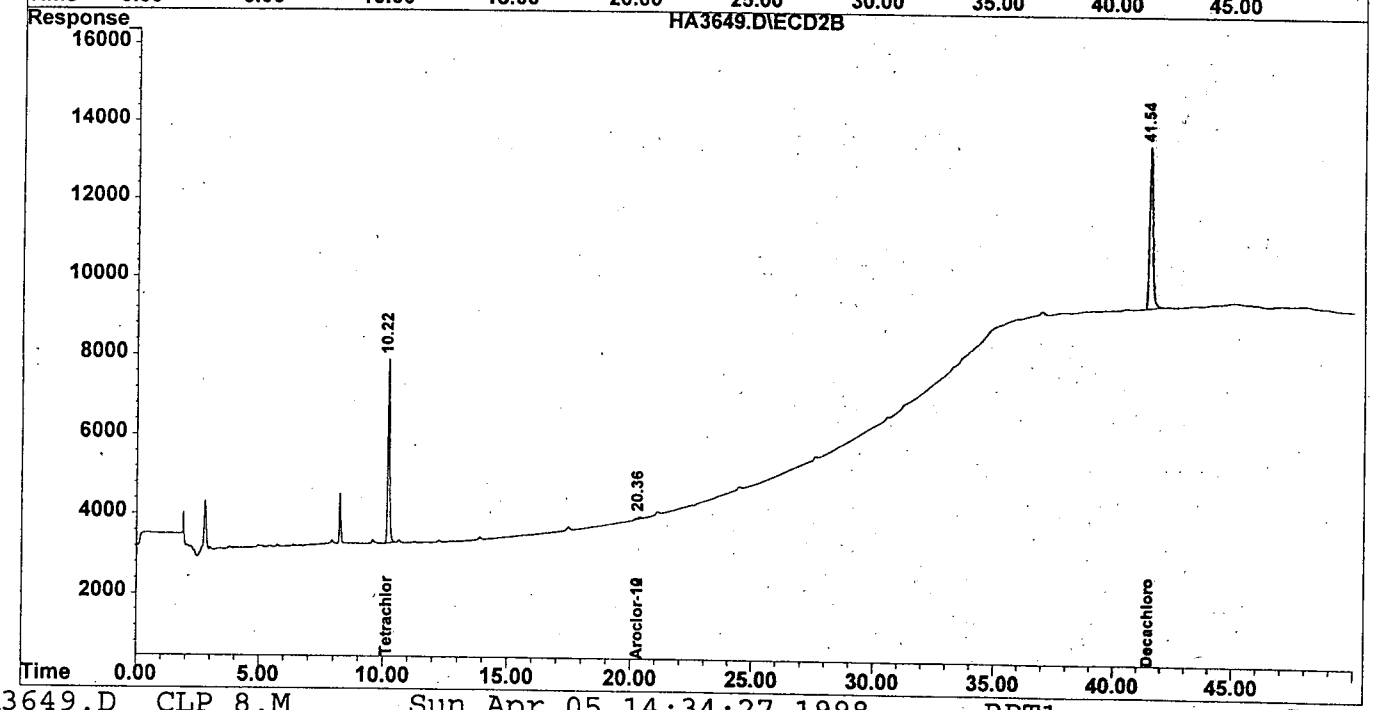
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3649.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3649.D\ECD2B.CH
Acq On : 4 Apr 98 20:44 Operator:
Sample : PIBLK09 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 5 12:51 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK10

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3651

% 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: 04/05/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3651.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3651.D\ECD2B.CH
Acq On : 5 Apr 98 17:00 Operator:
Sample : PIBLK10 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:43 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.45	10.23	229863	217717	14.084	17.321
Spiked Amount 40.000 Range 60 - 150 Recovery =					35.21%#	43.30%#
2) SA Decachlorobiphen	39.51	41.56	314823	381179	14.174	14.355
Spiked Amount 40.000 Range 60 - 150 Recovery =					35.44%#	35.89%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.38	0	5922	N.D.	9.946 #
Sum Aroclor-1016			0	5922	N.D.	9.946
Average Aroclor-1016					0.000	9.946
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.38	0	5922	N.D.	16.055 #
Sum Aroclor-1242			0	5922	N.D.	16.055
Average Aroclor-1242					0.000	16.055
43) L5 Aroclor-1248{4}	0.00	20.38	0	5922	N.D.	7.695 #
Sum Aroclor-1248			0	5922	N.D.	7.695
Average Aroclor-1248					0.000	7.695
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

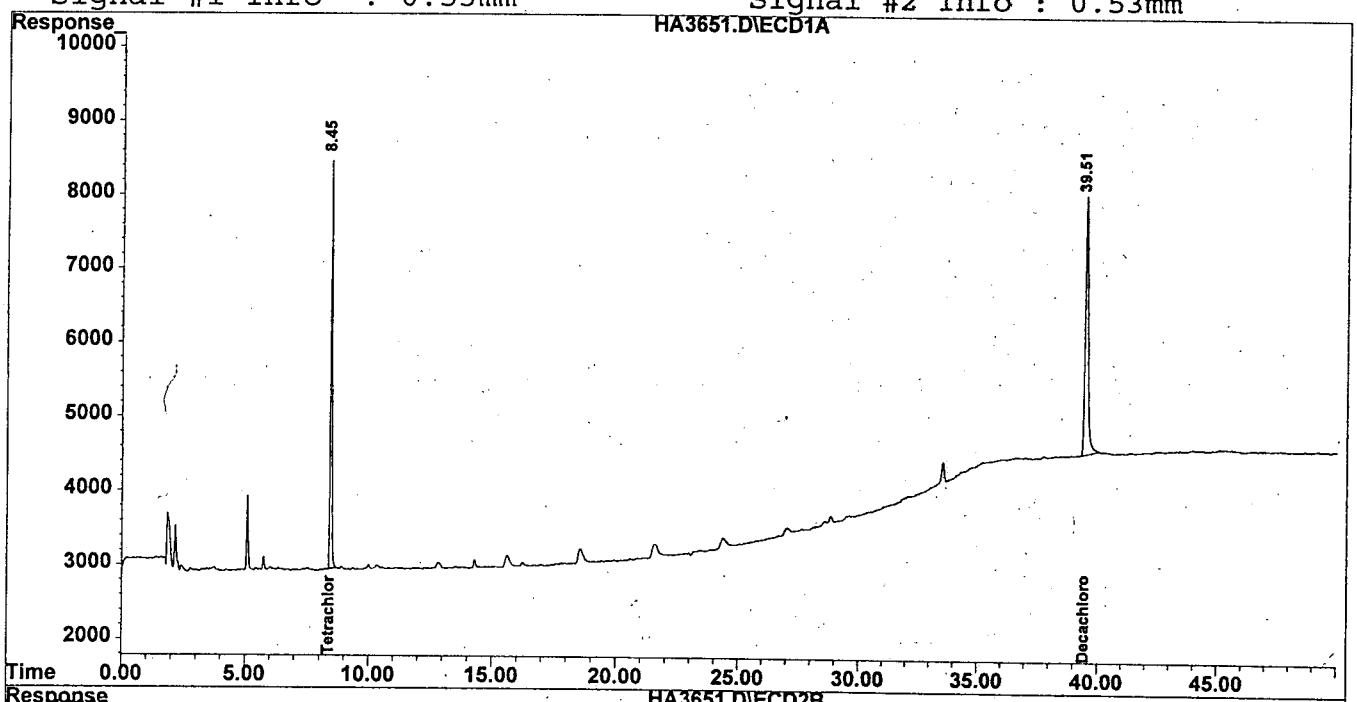
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

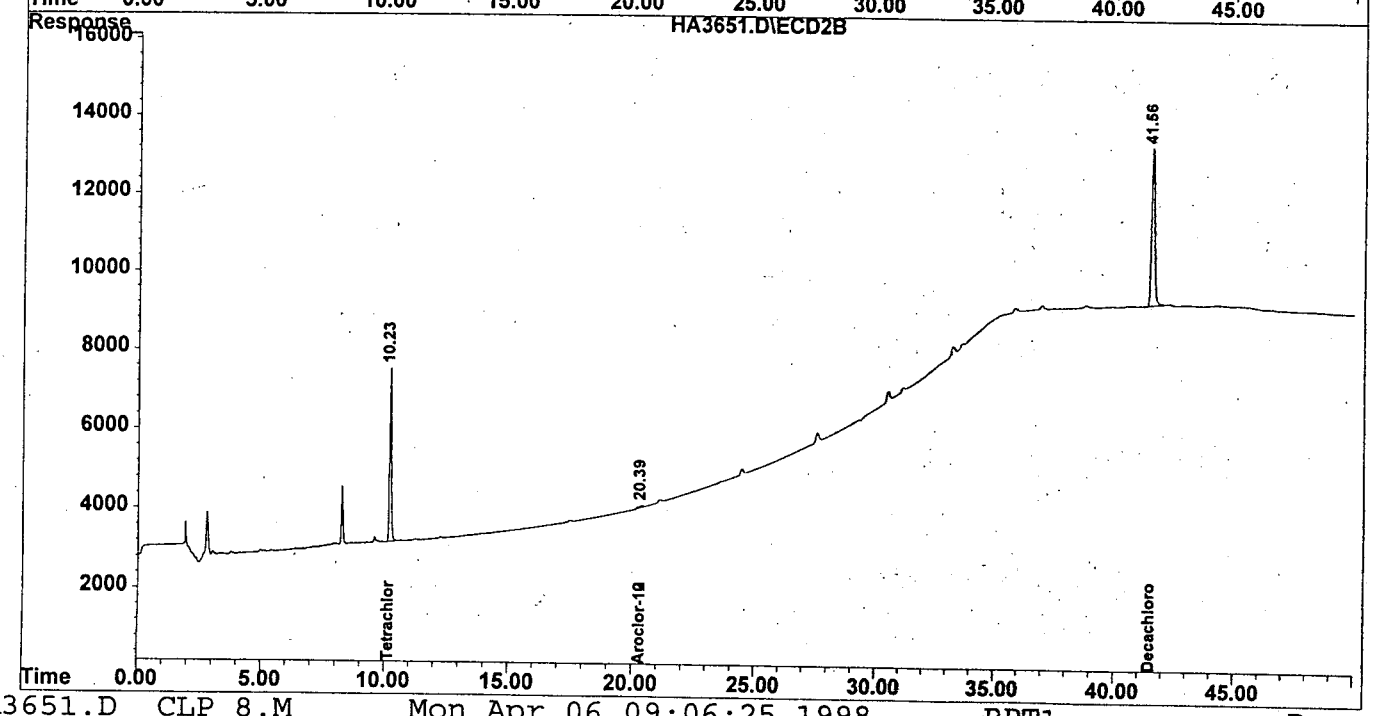
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3651.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3651.D\ECD2B.CH
Acq On : 5 Apr 98 17:00 Operator:
Sample : PIBLK10 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:43 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK11

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3661

% 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: 04/06/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3661.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3661.D\ECD2B.CH
Acq On : 6 Apr 98 3:48 Operator:
Sample : PIBLK11 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:25 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.22	247499	223739	15.165	17.800
Spiked Amount 40.000 Range 60 - 150 Recovery =					37.91%#	44.50%#
22) SA Decachlorobiphen	39.50	41.54	317198	396366	14.281	14.927
Spiked Amount 40.000 Range 60 - 150 Recovery =					35.70%#	37.32%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

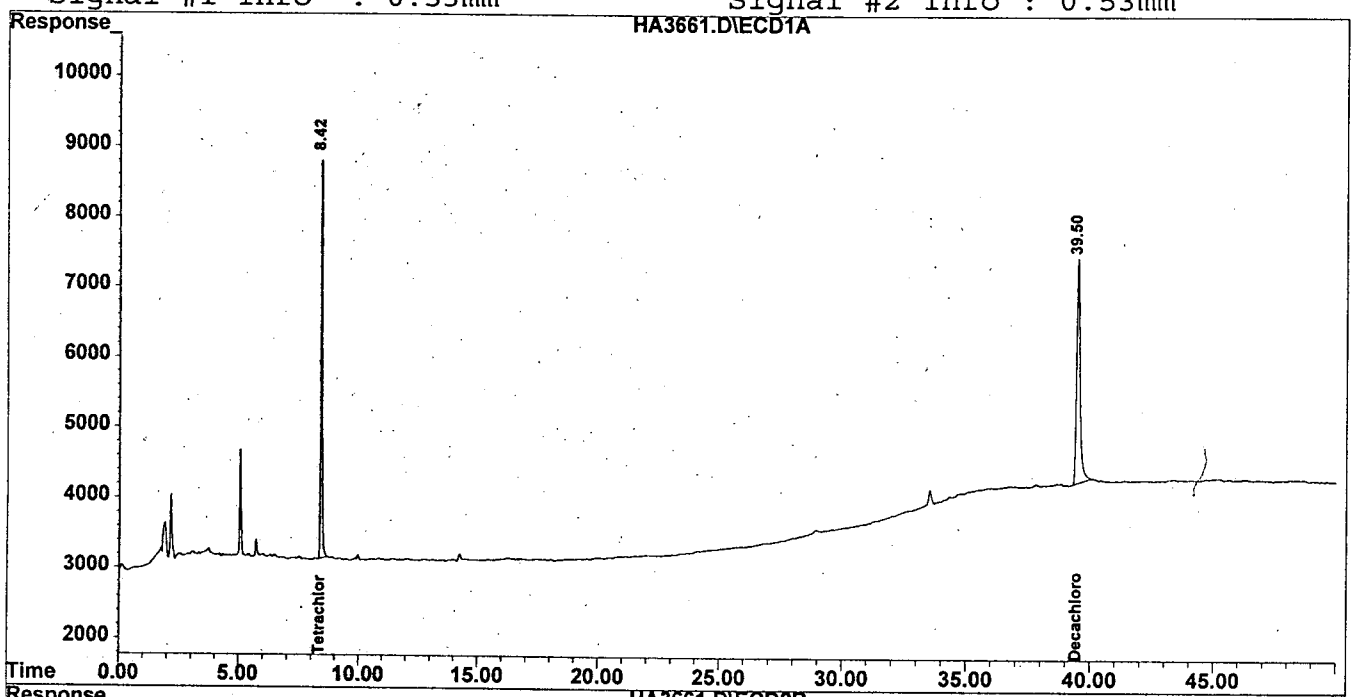
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

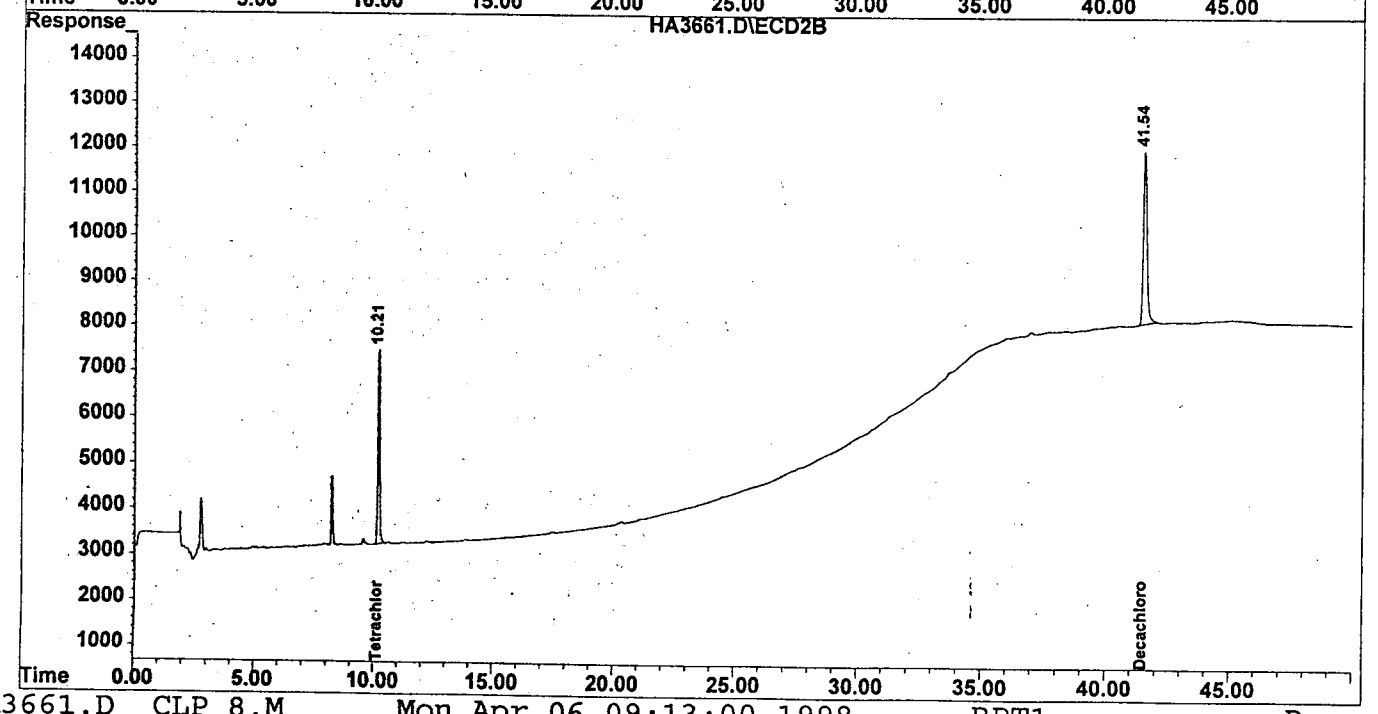
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3661.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3661.D\ECD2B.CH
Acq On : 6 Apr 98 3:48 Operator:
Sample : PIBLK11 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 6 8:25 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK12

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3664

% 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: 04/06/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3664.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3664.D\ECD2B.CH
Acq On : 6 Apr 98 15:46 Operator:
Sample : PIBLK12 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 13:14 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.45	10.23	253804	239806	15.551	19.078
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.88%#	47.70%#
22) SA Decachlorobiphen	39.51	41.55	351613	425129	15.830	16.010
Spiked Amount 40.000 Range 60 - 150 Recovery =					39.58%#	40.03%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.37	0	6754	N.D.	11.343 #
Sum Aroclor-1016			0	6754	N.D.	11.343
Average Aroclor-1016					0.000	11.343
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.37	0	6754	N.D.	18.310 #
Sum Aroclor-1242			0	6754	N.D.	18.310
Average Aroclor-1242					0.000	18.310
43) L5 Aroclor-1248{4}	0.00	20.37	0	6754	N.D.	8.775 #
Sum Aroclor-1248			0	6754	N.D.	8.775
Average Aroclor-1248					0.000	8.775
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

Jas 4/7/98

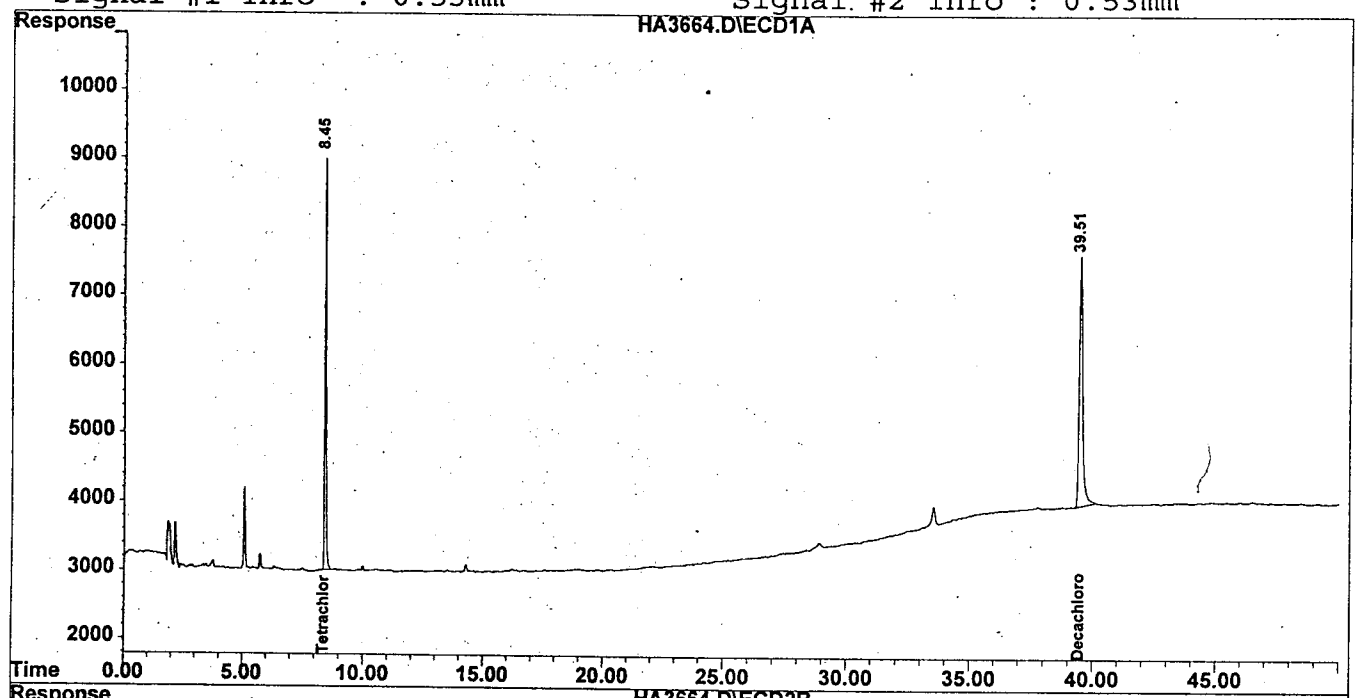
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

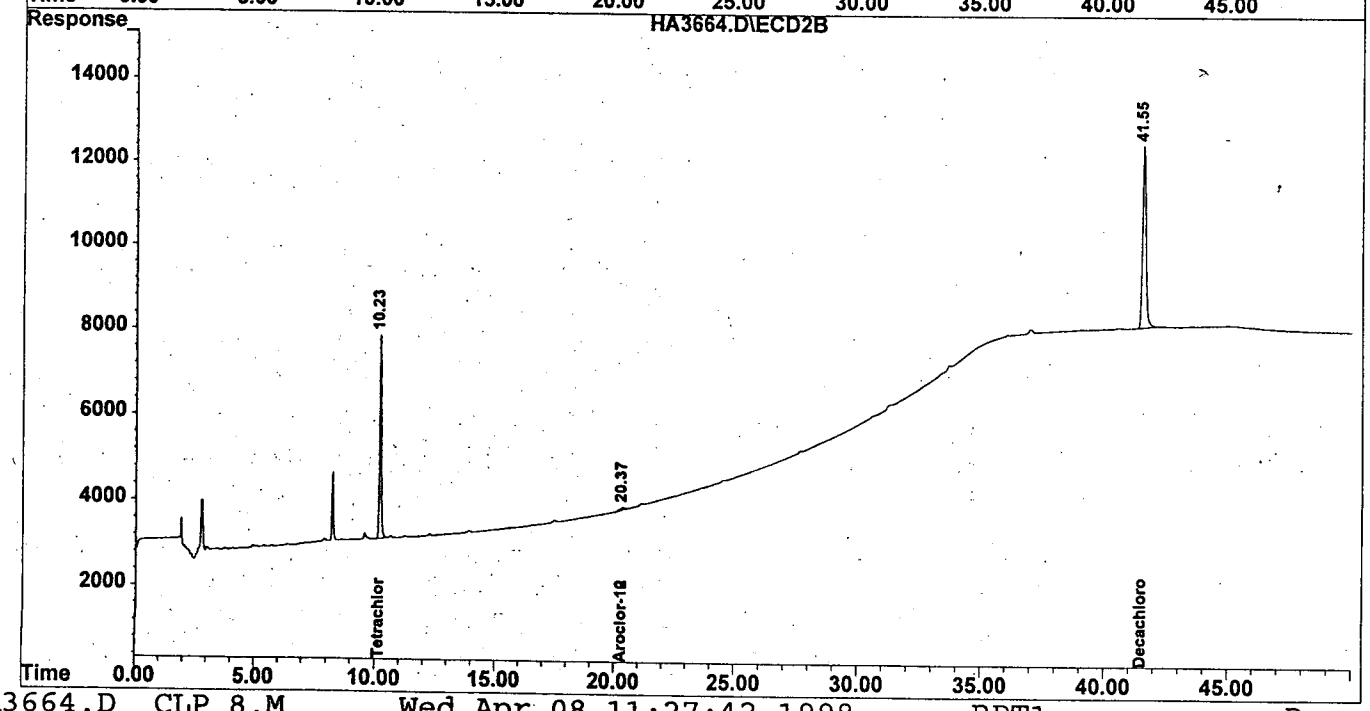
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3664.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3664.D\ECD2B.CH
Acq On : 6 Apr 98 15:46 Operator:
Sample : PIBLK12 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 13:14 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK13

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3678

% 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: 04/07/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3678.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3678.D\ECD2B.CH
Acq On : 7 Apr 98 4:22 Operator:
Sample : PIBLK13 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:38 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	8.43	10.22	272397	249111	16.690	19.819
Spiked Amount 40.000 Range 60 - 150 Recovery =					41.73%#	49.55%#
22) SA Decachlorobiphen	39.49	41.54	444062	764947	19.992	28.808 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					49.98%#	72.02%
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

4/7/98

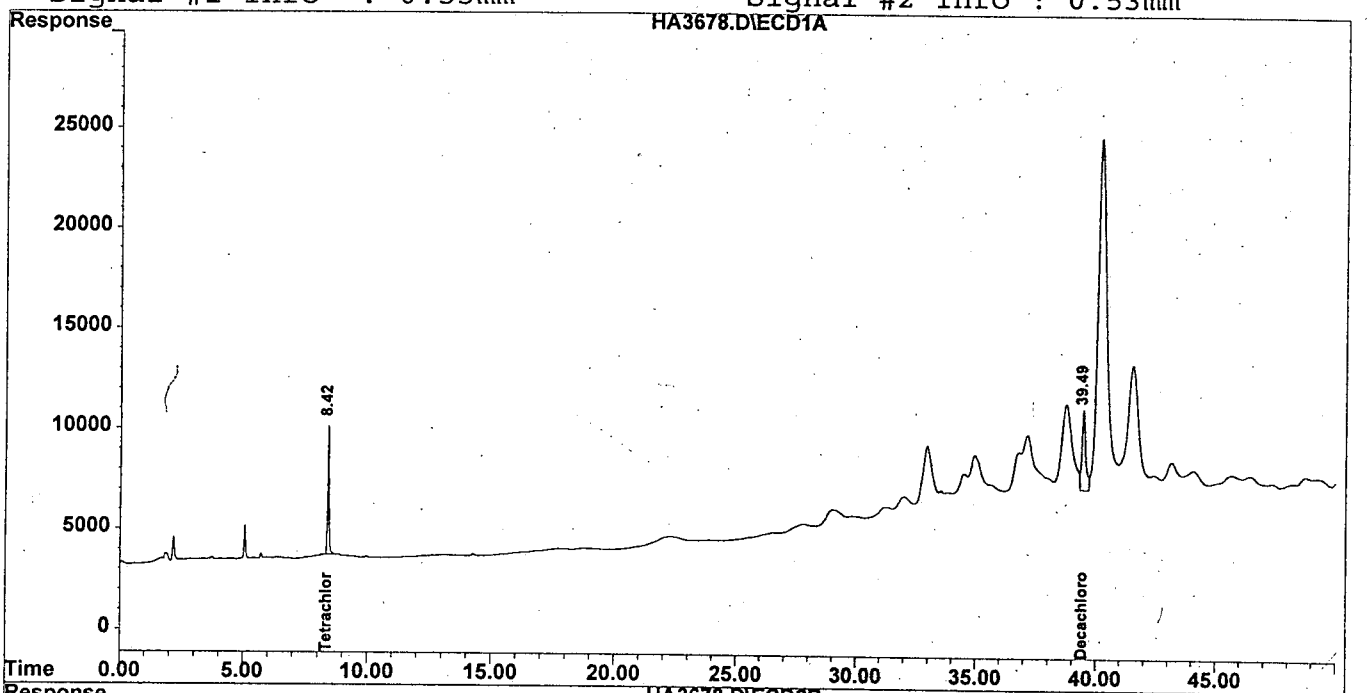
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

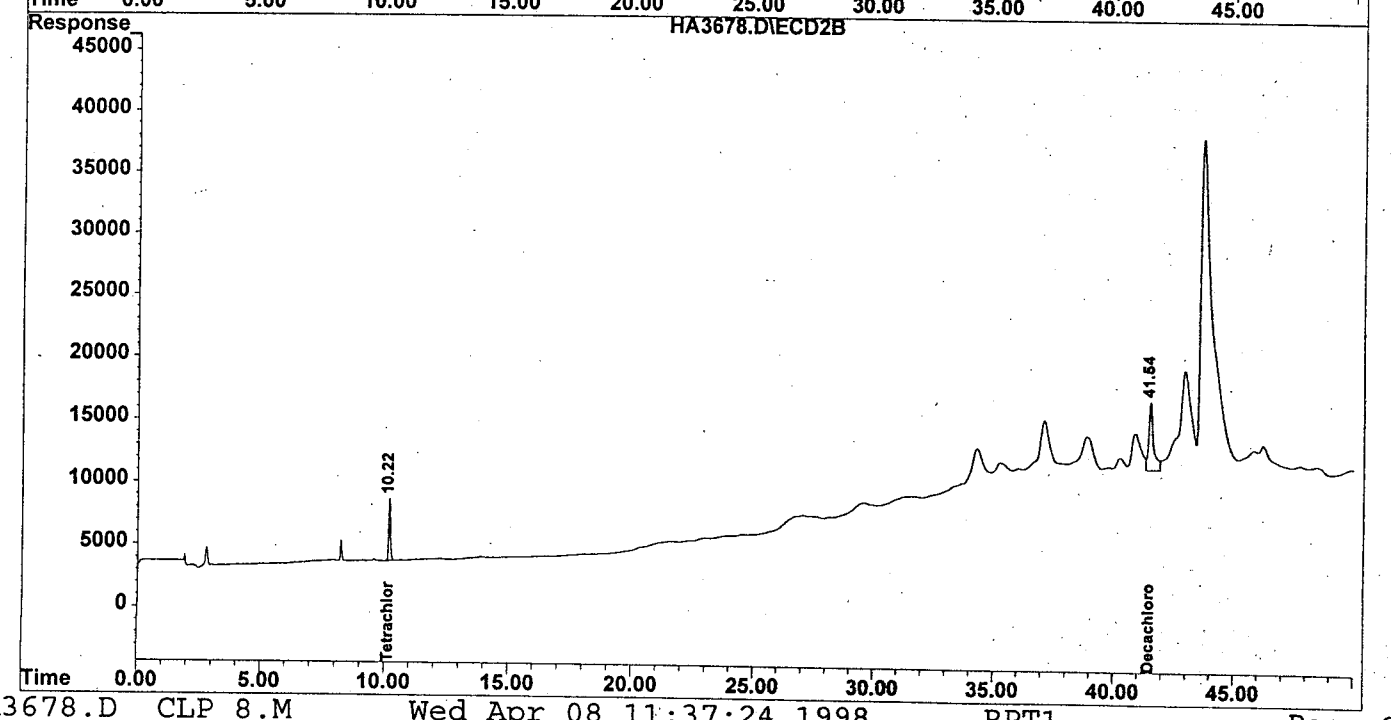
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3678.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3678.D\ECD2B.CH
Acq On : 7 Apr 98 4:22 Operator:
Sample : PIBLK13 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 7 15:38 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK14

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3681

% 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: 04/07/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3681.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3681.D\ECD2B.CH
Acq On : 7 Apr 98 17:48 Operator:
Sample : PIBLK14 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 16:00 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.44	10.23	300640	277536	18.421	22.080
Spiked Amount 40.000 Range 60 - 150 Recovery =					46.05%#	55.20%#
2) SA Decachlorobiphen	39.50	41.54	396109	485478	17.833	18.283
Spiked Amount 40.000 Range 60 - 150 Recovery =					44.58%#	45.71%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.37	0	6663	N.D.	11.190 #
Sum Aroclor-1016			0	6663	N.D.	11.190
Average Aroclor-1016					0.000	11.190
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.37	0	6663	N.D.	18.063 #
Sum Aroclor-1242			0	6663	N.D.	18.063
Average Aroclor-1242					0.000	18.063
43) L5 Aroclor-1248{4}	0.00	20.37	0	6663	N.D.	8.657 #
Sum Aroclor-1248			0	6663	N.D.	8.657
Average Aroclor-1248					0.000	8.657
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

4/8/98

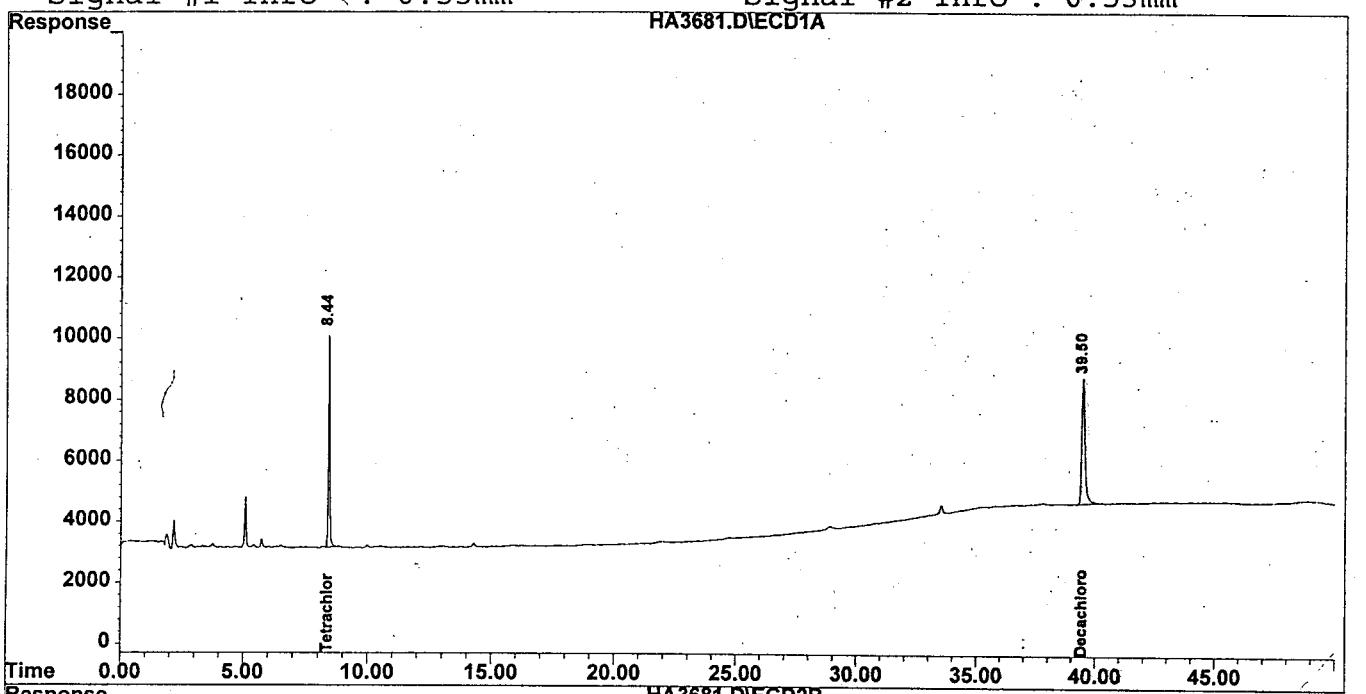
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

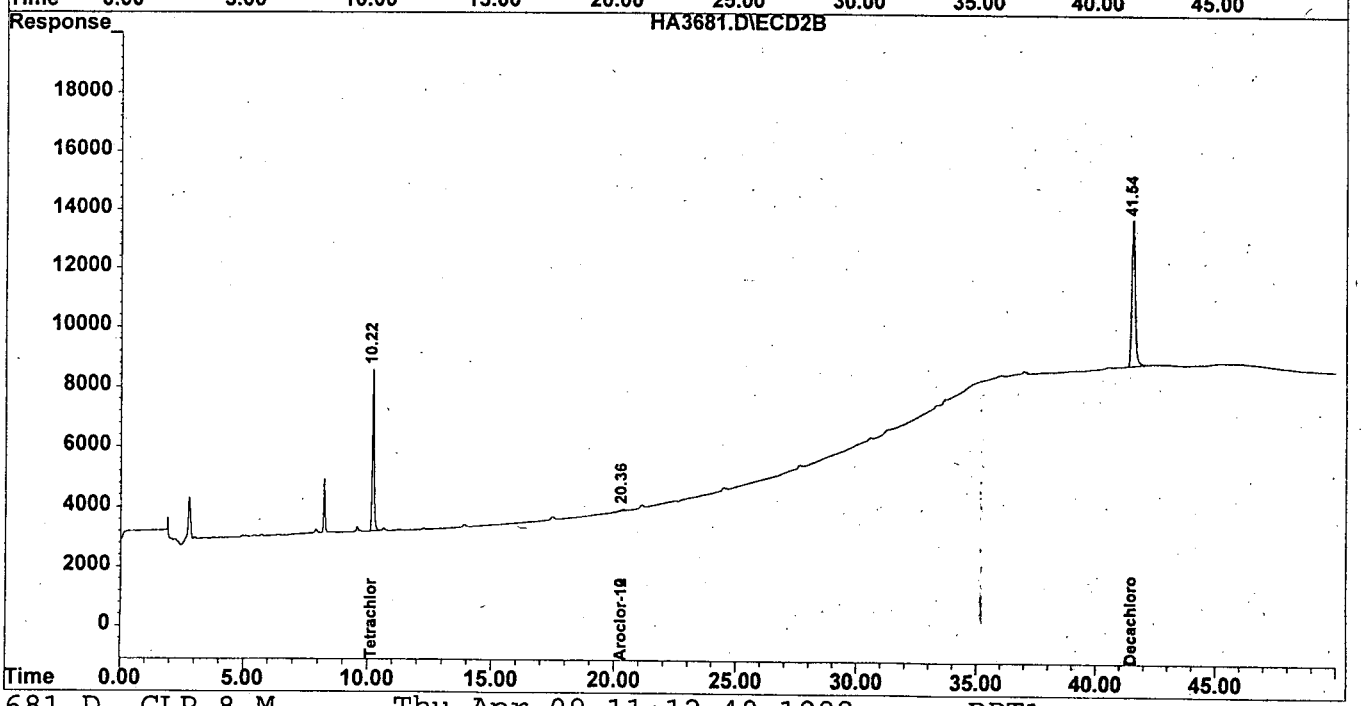
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3681.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3681.D\ECD2B.CH
Acq On : 7 Apr 98 17:48 Operator:
Sample : PIBLK14 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 16:00 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK15

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3695

% 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: 04/08/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3695.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3695.D\ECD2B.CH
Acq On : 8 Apr 98 12:39 Operator:
Sample : PIBLK15 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 9:23 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.43	10.22	359526	329671	22.029	26.228
Spiked Amount 40.000 Range 60 - 150 Recovery =					55.07%#	65.57%
22) SA Decachlorobiphen	39.48	41.52	463869	551604	20.884	20.773
Spiked Amount 40.000 Range 60 - 150 Recovery =					52.21%#	51.93%#
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.35	0	7853	N.D.	13.189 #
Sum Aroclor-1016			0	7853	N.D.	13.189
Average Aroclor-1016					0.000	13.189
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.35	0	7853	N.D.	21.290 #
Sum Aroclor-1242			0	7853	N.D.	21.290
Average Aroclor-1242					0.000	21.290
43) L5 Aroclor-1248{4}	0.00	20.35	0	7853	N.D.	10.203 #
Sum Aroclor-1248			0	7853	N.D.	10.203
Average Aroclor-1248					0.000	10.203
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
58) L7 Aroclor-1260{4}	0.00	33.29	0	14994	N.D.	11.245 #
Sum Aroclor-1260			0	14994	N.D.	11.245
Average Aroclor-1260					0.000	11.245
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

9/10/98

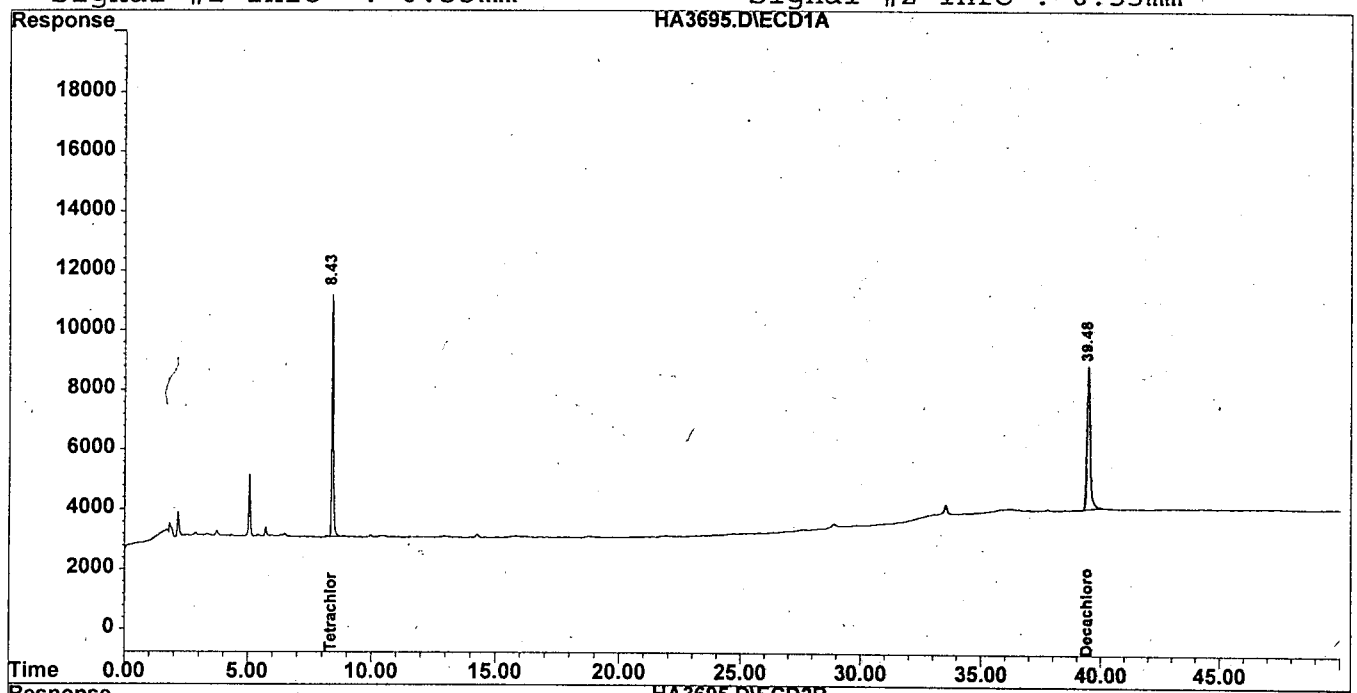
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

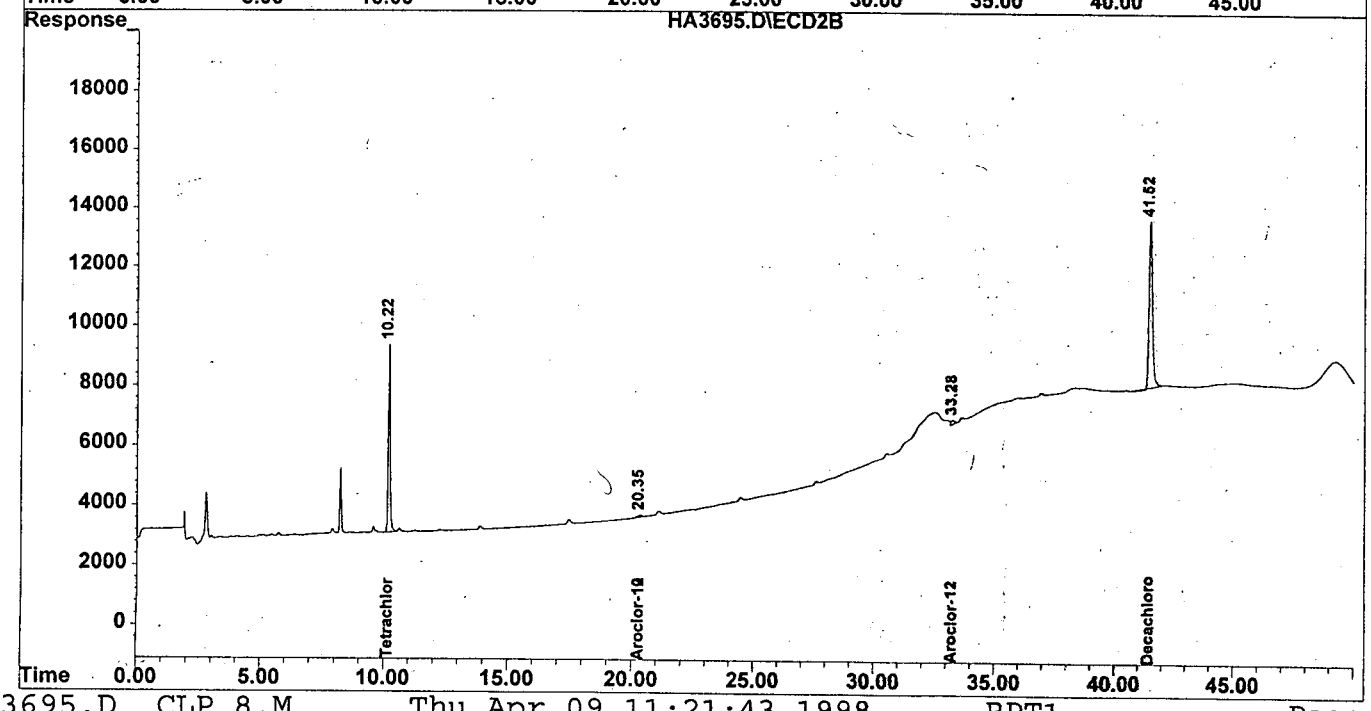
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3695.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3695.D\ECD2B.CH
Acq On : 8 Apr 98 12:39 Operator:
Sample : PIBLK15 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 9:23 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK16

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3707

% 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: 04/09/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3707.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3707.D\ECD2B.CH
Acq On : 9 Apr 98 4:21 Operator:
Sample : PIBLK16 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:35 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	8.43	10.22	403424	375093	24.718	29.841
Spiked Amount 40.000 Range 60 - 150 Recovery =					61.80%	74.60%
22) SA Decachlorobiphen	39.49	41.53	538357	640081	24.238	24.105
Spiked Amount 40.000 Range 60 - 150 Recovery =					60.60%	60.26%
Target Compounds						
27) L1 Aroclor-1016{5}	0.00	20.35	0	7201	N.D.	12.094 #
Sum Aroclor-1016			0	7201	N.D.	12.094
Average Aroclor-1016					0.000	12.094
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
39) L4 Aroclor-1242{5}	0.00	20.35	0	7201	N.D.	19.522 #
Sum Aroclor-1242			0	7201	N.D.	19.522
Average Aroclor-1242					0.000	19.522
4[illegible]) L5 Aroclor-1248{4}	0.00	20.35	0	7201	N.D.	9.356 #
Sum Aroclor-1248			0	7201	N.D.	9.356
Average Aroclor-1248					0.000	9.356
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

7/8/18

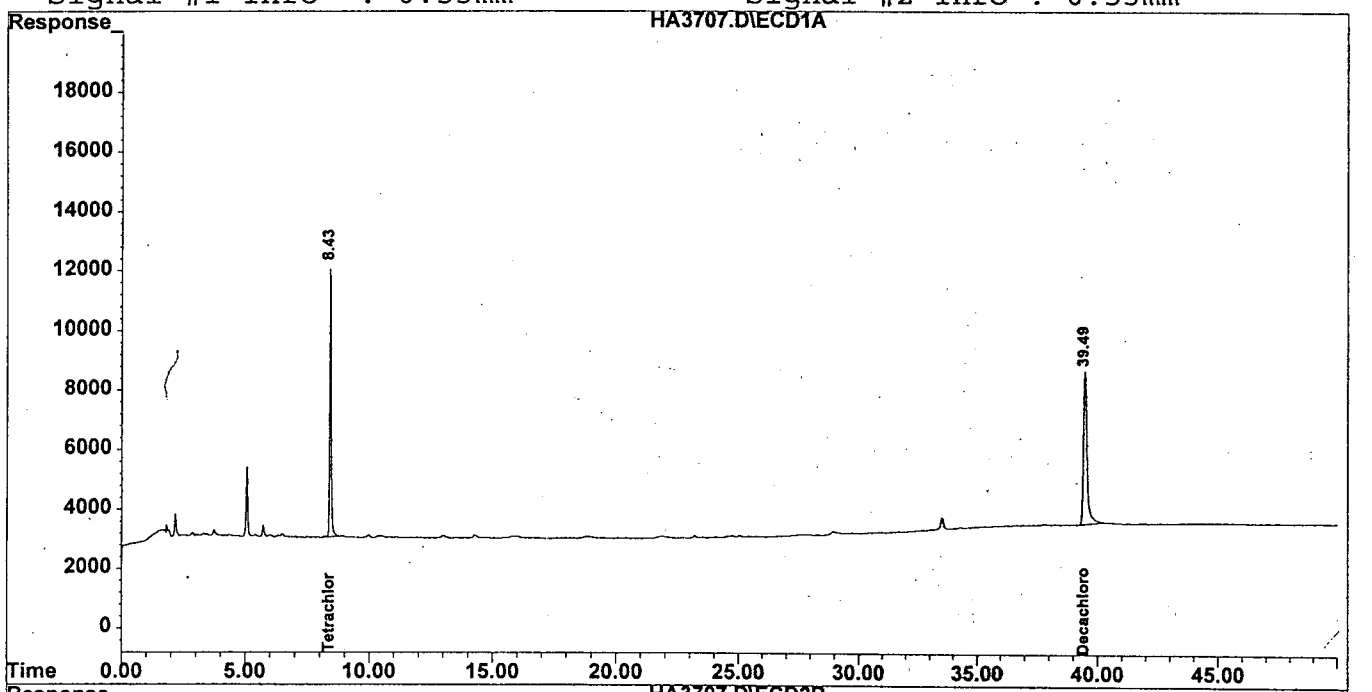
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

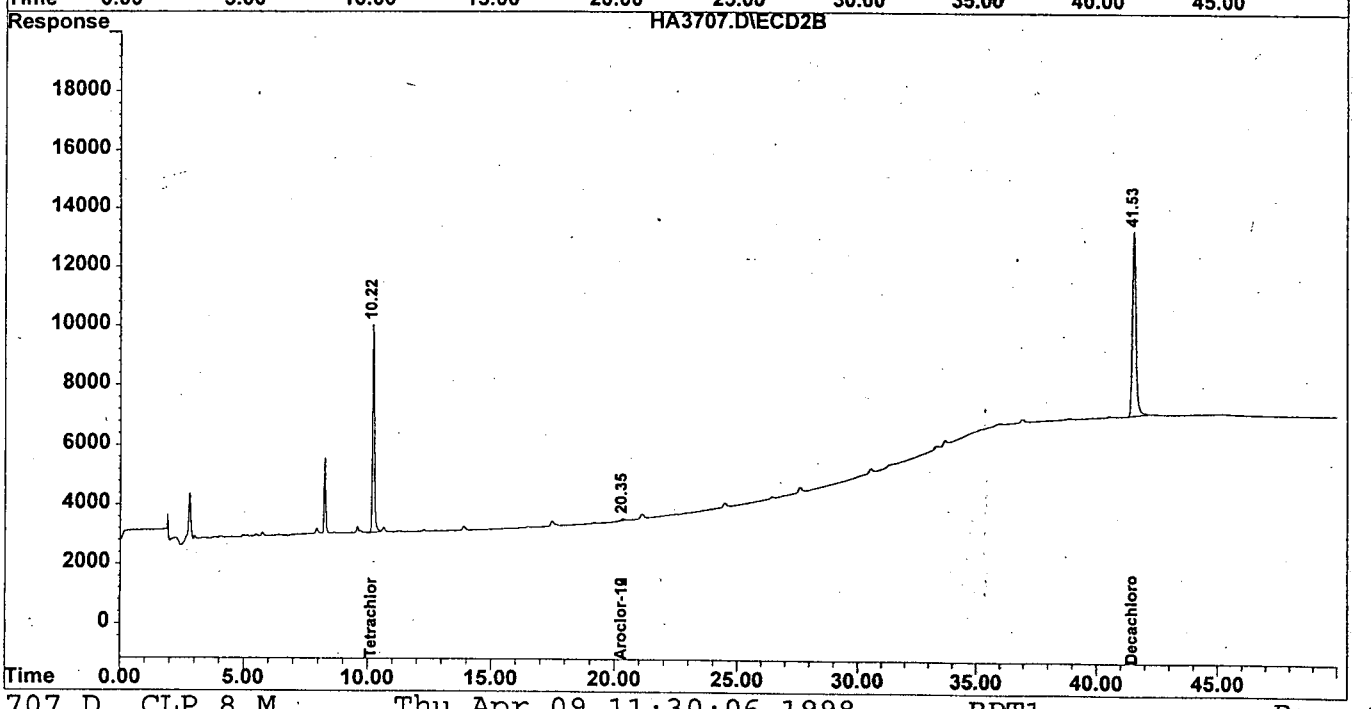
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3707.D\ECD1A.CH Vial: 1
Signal #2 : C:\HPCHEM\1\DATA_H\HA3707.D\ECD2B.CH
Acq On : 9 Apr 98 4:21 Operator:
Sample : PIBLK16 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:35 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

PIBLK17

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

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

Sample wt/vol: 1000.0 (g/mL) ML Lab File ID: HA3714

% 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: 04/09/98

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	.50	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

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3714.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_H\HA3714.D\ECD2B.CH
Acq On : 9 Apr 98 18:04 Operator:
Sample : PIBLK17 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 13:06 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.45	10.23	239007	221998	14.644	17.662
Spiked Amount 40.000 Range 60 - 150 Recovery =					36.61%#	44.16%#
22) SA Decachlorobiphen	39.52	41.55	339259	396104	15.274	14.917
Spiked Amount 40.000 Range 60 - 150 Recovery =					38.19%#	37.29%#
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

7/9/98

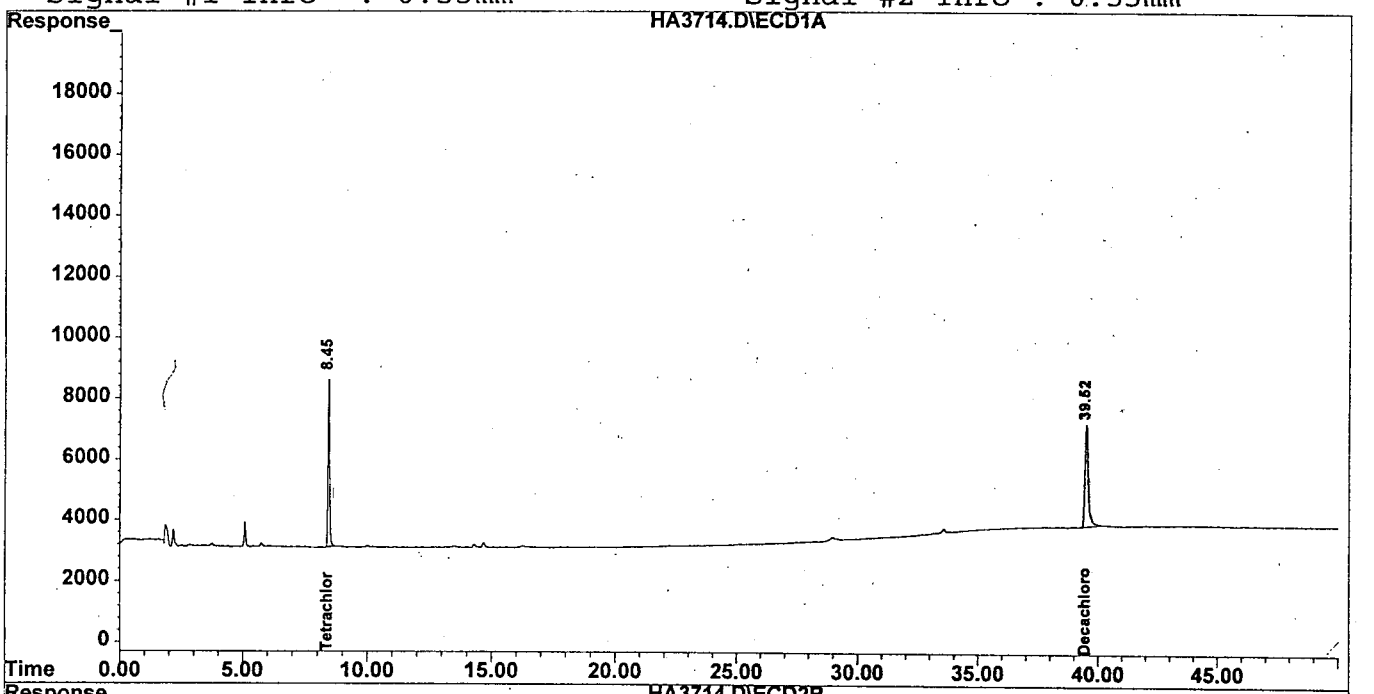
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

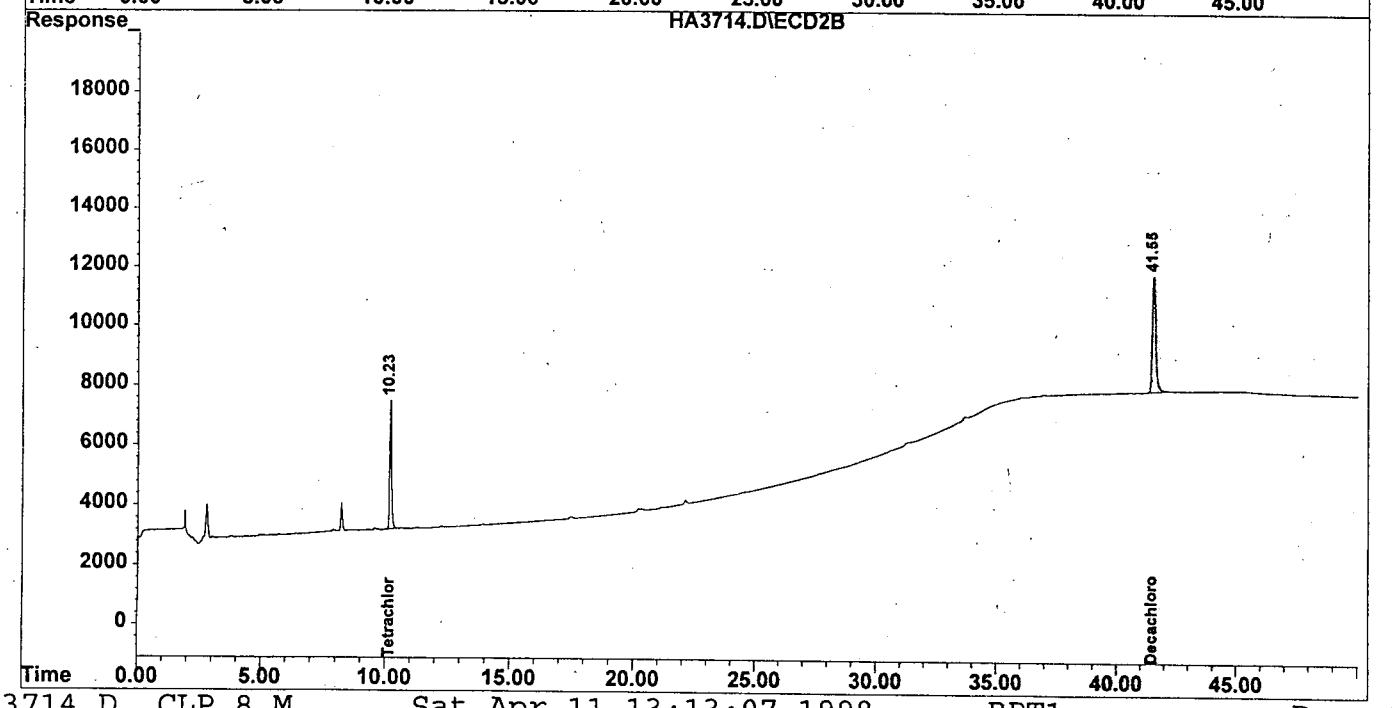
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3714.D\ECD1A.CH Vial: 32
Signal #2 : C:\HPCHEM\1\DATA_H\HA3714.D\ECD2B.CH
Acq On : 9 Apr 98 18:04 Operator:
Sample : PIBLK17 Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 11 13:06 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CD-12MS

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

Matrix: (soil/water) SOIL Lab Sample ID: 286632

Sample wt/vol: 30.0 (g/mL) G Lab File ID: HA3705

% Moisture: 23. decanted: (Y/N) N Date Received: 03/28/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/29/98

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/08/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
58-89-9	gamma-BHC (Lindane)	24.	
76-44-8	Heptachlor	24.	
309-00-2	Aldrin	30.	
60-57-1	Dieldrin	54.	
72-20-8	Endrin	48.	
50-29-3	4,4'-DDT	63.	
12674-11-2	Aroclor-1016	43.	U
11104-28-2	Aroclor-1221	43.	U
11141-16-5	Aroclor-1232	43.	U
53469-21-9	Aroclor-1242	43.	U
12672-29-6	Aroclor-1248	43.	U
11097-69-1	Aroclor-1254	43.	U
11096-82-5	Aroclor-1260	43.	U

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD2B.CH
Acq On : 8 Apr 98 21:39 Operator:
Sample : 286632 SPIKE Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:33 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.42	10.21	643298	622317	39.416	49.510 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					98.54%	123.78%
22) SA Decachlorobiphen	39.46	41.50	1078520	1235603	48.557	46.532m
Spiked Amount 40.000 Range 60 - 150 Recovery =					121.39%	116.33%
Target Compounds						
3) MA gamma-BHC (Linda	13.00	16.45	746946	689042	56.172	58.041
[illegible]) MA Heptachlor	14.36	17.63	709311	1151636	59.091	55.479
[illegible]) MB Aldrin	16.02	19.16	785880	830182	70.125m	74.719
13) MA Dieldrin	23.19	26.43	1739999	1865926	125.130	132.104
14) MA Endrin	25.05	27.58	1493175	1575535	111.051	119.194
[illegible]) MA 4,4'-DDT	27.47	30.54	1387674	1444157	146.591	149.300
23) L1 Aroclor-1016{1}	10.75	12.68	27621	22150	74.723	72.422
24) L1 Aroclor-1016{2}	12.70	14.64	48074	19469	65.196	27.849 #
[illegible]) L1 Aroclor-1016{3}	14.62	17.06	50785	6678	35.441	5.316 #
Sum Aroclor-1016			126480	48297	175.361	105.587
Average Aroclor-1016					58.454	35.196
[illegible]) L2 Aroclor-1221{2}	0.00	12.40	0	15305	N.D.	131.664 #
30) L2 Aroclor-1221{3}	10.75	12.68	27621	22150	56.439	44.728
Sum Aroclor-1221			27621	37455	56.439	176.392
Average Aroclor-1221					56.439	88.196
31) L3 Aroclor-1232{1}	10.75	8.49	27621	77293	68.786	546.160 #
[illegible]) L3 Aroclor-1232{2}	12.70	12.68	48074	22150	129.396	62.700 #
[illegible]) L3 Aroclor-1232{3}	14.62	14.64	50785	19469	71.600	58.701
34) L3 Aroclor-1232{4}	0.00	17.06	0	6678	N.D.	10.844 #
Sum Aroclor-1232			126480	125590	269.782	678.404
Average Aroclor-1232					89.927	169.601
35) L4 Aroclor-1242{1}	10.75	12.68	27621	22150	110.109	104.079
[illegible]) L4 Aroclor-1242{2}	12.70	14.64	48074	19469	103.570	45.929 #
37) L4 Aroclor-1242{3}	14.62	17.06	50785	6678	49.798	8.857 #
Sum Aroclor-1242			126480	48297	263.476	158.865
Average Aroclor-1242					87.825	52.955

7/8/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD2B.CH
Acq On : 8 Apr 98 21:39 Operator:
Sample : 286632 SPIKE Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:33 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
4[illegible]) L5	Aroclor-1248{1}	12.70	14.64	48074	19469	161.458	69.146	#
41) L5	Aroclor-1248{2}	14.62	17.06	50785	6678	54.458	7.956	#
4[illegible]) L5	Aroclor-1248{5}	0.00	20.97	0	19726	N.D.	39.856	#
Sum	Aroclor-1248			98859	45873	215.916	116.957	
Average	Aroclor-1248					107.958	38.986	
4[illegible]) L6	Aroclor-1254{2}	20.95	23.59	26118	24644	28.158	29.226	
47) L6	Aroclor-1254{3}	23.75	26.09	29066	65239	27.733	62.090	#
48) L6	Aroclor-1254{4}	26.88	28.08	36483	160167	50.233	301.100	#
4[illegible]) L6	Aroclor-1254{5}	0.00	29.94	0	155001	N.D.	155.324	#
Sum	Aroclor-1254			91667	405052	106.124	547.740	
Average	Aroclor-1254					35.375	138.935	
5[illegible]) L7	Aroclor-1260{1}	24.72	26.92	21950	49802	20.484	57.728	#
51) L7	Aroclor-1260{2}	25.39	28.08	120981	160167	101.600	154.592	#
52) L7	Aroclor-1260{3}	29.72	31.79	43898	29651	56.815	45.086	
5[illegible]) L7	Aroclor-1260{4}	30.68	33.24	109315	38398	72.933	28.797	#
54) L7	Aroclor-1260{5}	32.93	35.11	119524	26094	101.636	22.435	#
Sum	Aroclor-1260			415668	304113	353.468	308.639	
Average	Aroclor-1260					70.694	61.728	
Sum	Toxaphene			0	0	N.D.	N.D.	
Average	Toxaphene					0.000	0.000	

4/8/98

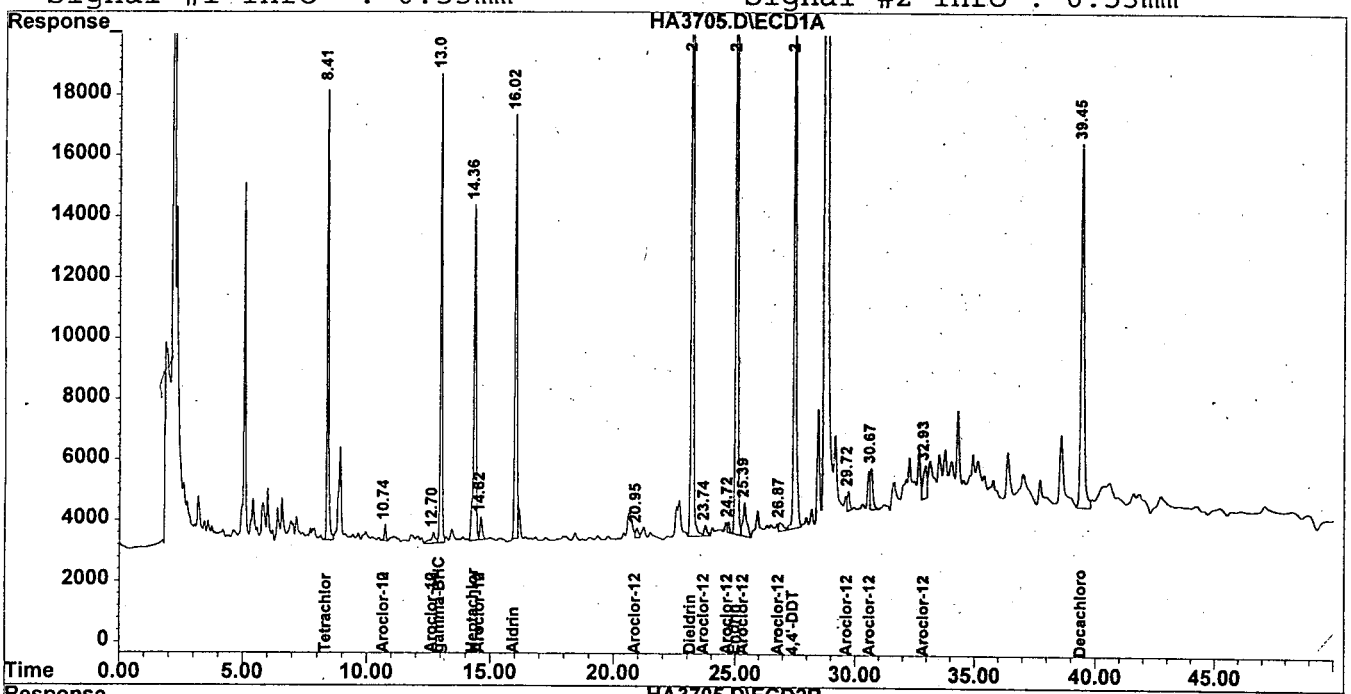
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

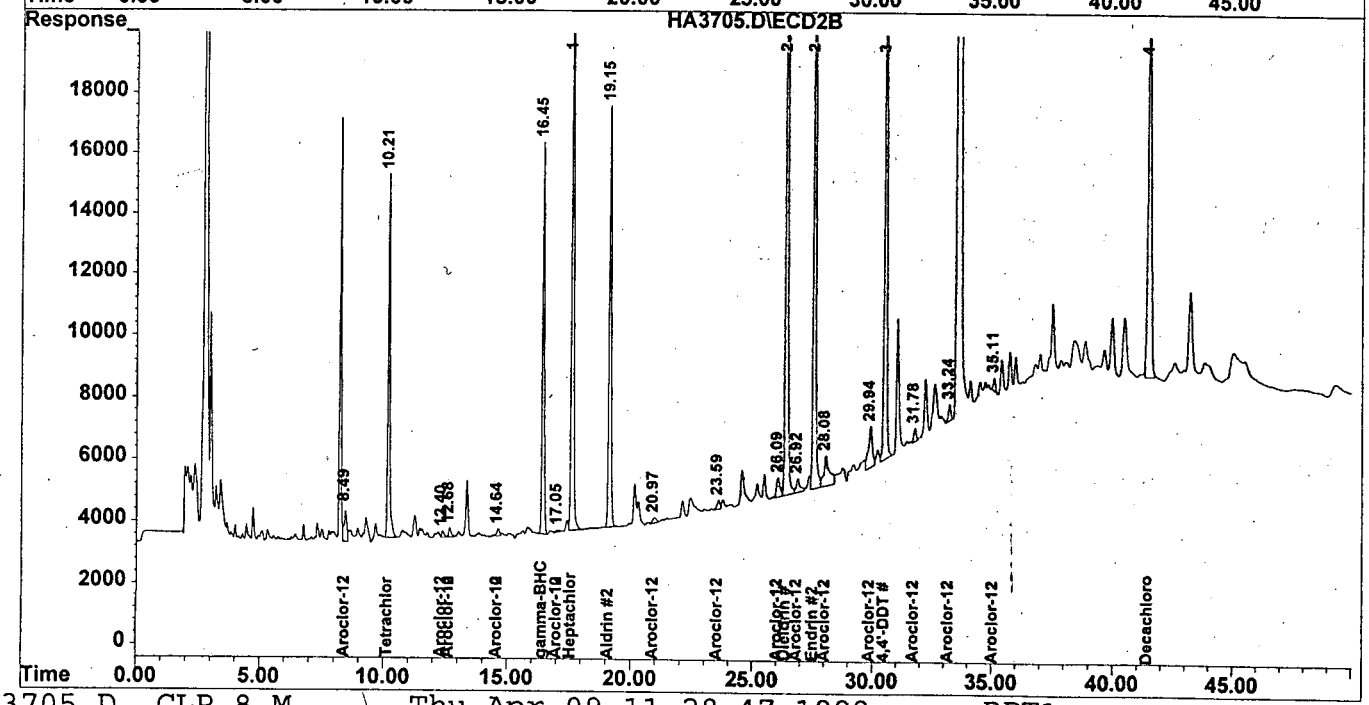
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD2B.CH
Acq On : 8 Apr 98 21:39 Operator:
Sample : 286632 SPIKE Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:33 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

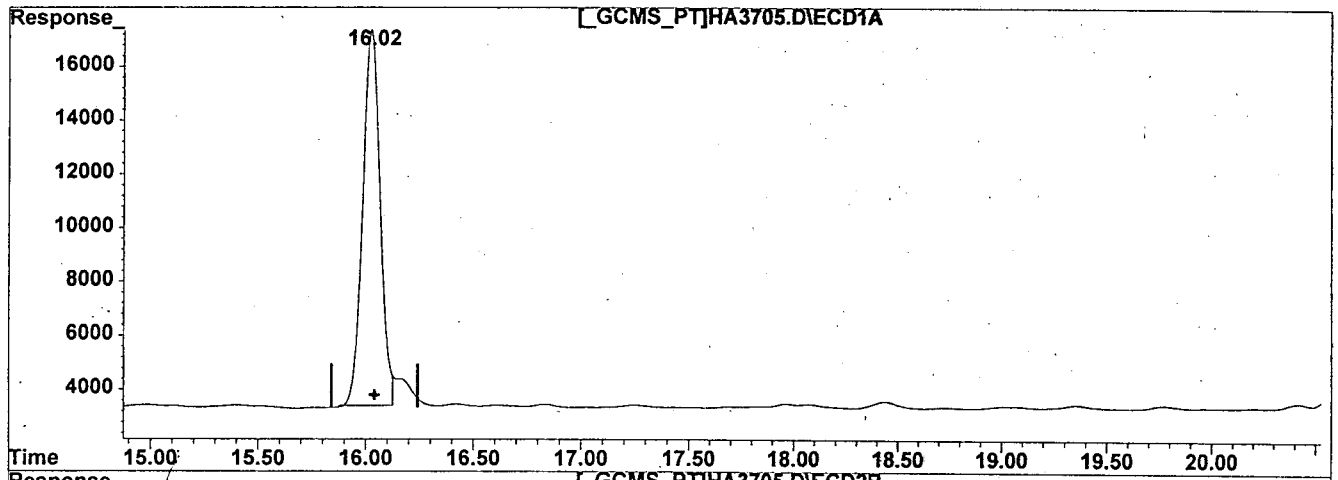


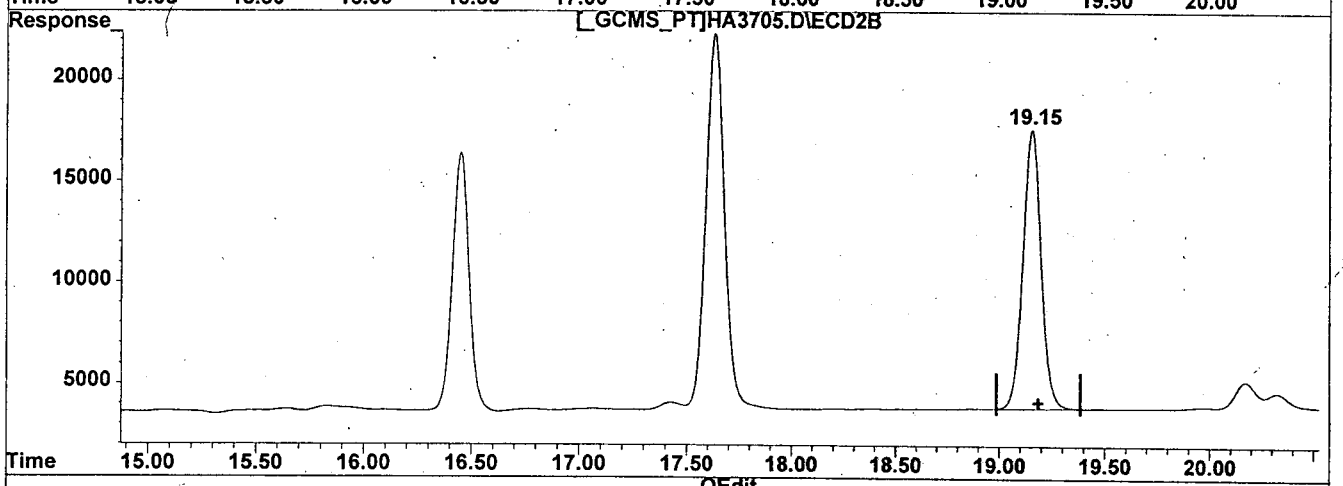


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD2B.CH
Acq On : 8 Apr 98 21:39 Operator:
Sample : 286632 SPIKE Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:33 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(5) Aldrin (MB)

16.02min 70.125ng/ml m

response 785880

(5) Aldrin #2 (MB)

19.16min 74.719ng/ml

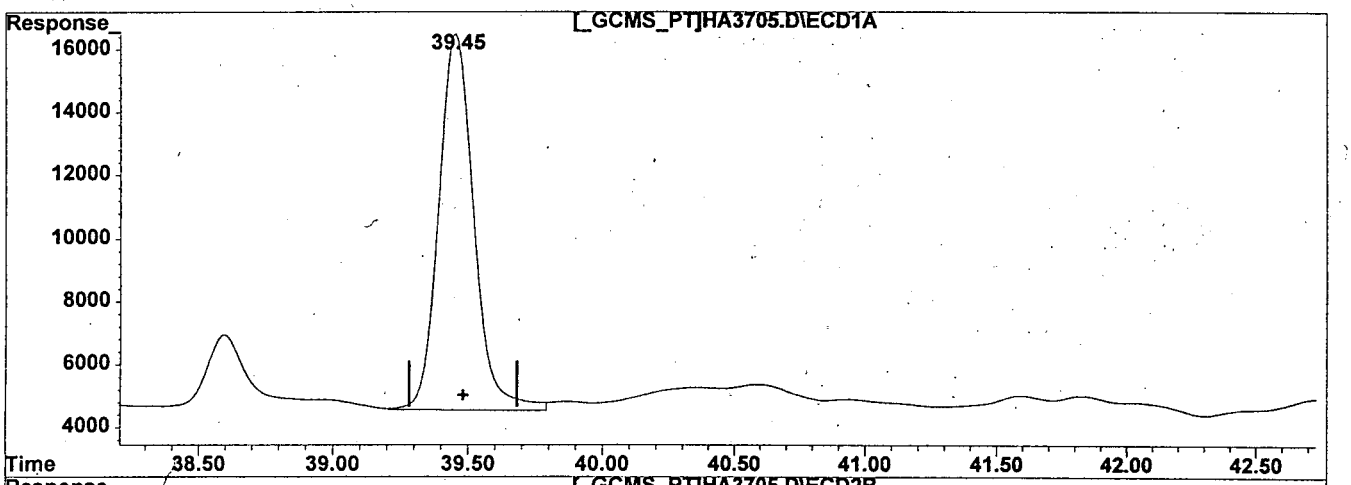
response 830182

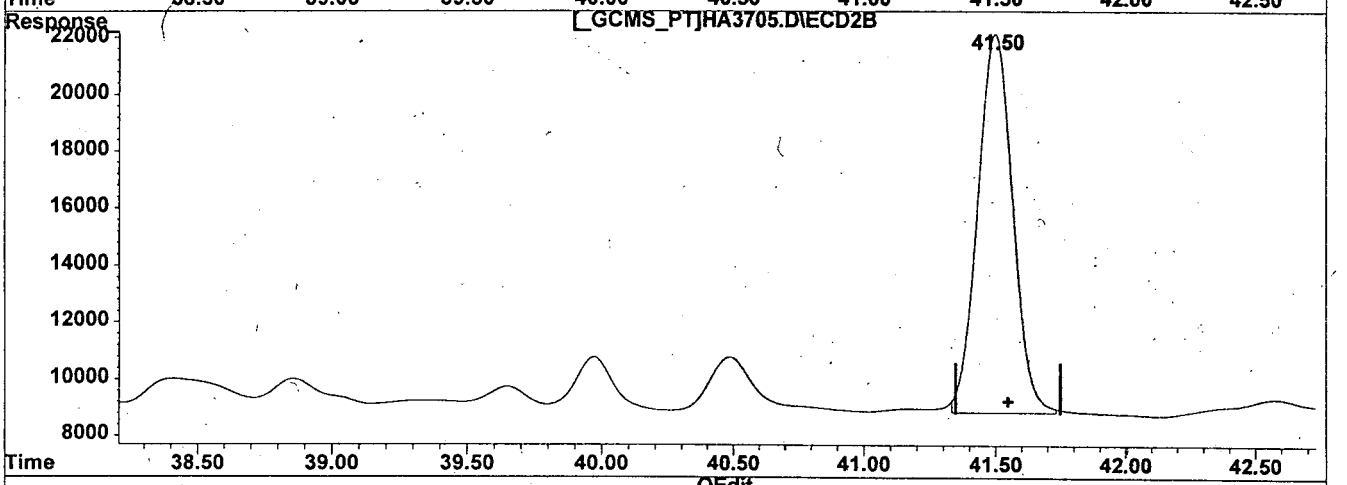
(+) = Expected Retention Time

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD1A.CH Vial: 24
Signal #2 : C:\HPCHEM\1\DATA_H\HA3705.D\ECD2B.CH
Acq On : 8 Apr 98 21:39 Operator:
Sample : 286632 SPIKE Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:33 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.46min 48.557ng/ml

response 1078520

(22) Decachlorobiphenyl #2 (SA)

41.50min 46.532ng/ml m

response 1235603

(+) = Expected Retention Time

HA3705.D CLP_8.M Fri Apr 10 20:15:25 1998 RPT1

1D
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

CD-12MSD

Lab Name: ICM Contract:

Lab Code: ICM Case No.: SAS No.: SDG No.: CD-01

Matrix: (soil/water) SOIL Lab Sample ID: 286632

Sample wt/vol: 30.0 (g/mL) G Lab File ID: HA3706

% Moisture: 23. decanted: (Y/N) N Date Received: 03/28/98

Extraction: (SepF/Cont/Sonc) SONC Date Extracted: 03/29/98

Concentrated Extract Volume: 5000 (uL) Date Analyzed: 04/08/98

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) Y pH: 5.7 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) ug/Kg	Q
58-89-9	gamma-BHC (Lindane)	26.	
76-44-8	Heptachlor	26.	
309-00-2	Aldrin	34.	
60-57-1	Dieldrin	59.	
72-20-8	Endrin	52.	
50-29-3	4,4'-DDT	68.	
12674-11-2	Aroclor-1016	43.	U
11104-28-2	Aroclor-1221	43.	U
11141-16-5	Aroclor-1232	43.	U
53469-21-9	Aroclor-1242	43.	U
12672-29-6	Aroclor-1248	43.	U
11097-69-1	Aroclor-1254	43.	U
11096-82-5	Aroclor-1260	43.	U

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD2B.CH
Acq On : 8 Apr 98 22:33 Operator:
Sample : 286632 SPIKE DUP Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:34 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
) SA Tetrachloro-m-xy	8.42	10.21	735722	740392	45.079	58.904 #
Spiked Amount 40.000 Range 60 - 150 Recovery =					112.70%	147.26%
22) SA Decachlorobiphen	39.46	41.50	1260819	1372711	56.764	51.696m
Spiked Amount 40.000 Range 60 - 150 Recovery =					141.91%	129.24%
Target Compounds						
3) MA gamma-BHC (Linda	13.00	16.45	806771	767779	60.671	64.673
) MA Heptachlor	14.37	17.63	783112	1269454	65.239	61.155
) MB Aldrin	16.03	19.16	884044	926818	78.884	83.417
13) MA Dieldrin	23.19	26.43	1906592	2082148	137.110	147.412
) MA Endrin	25.05	27.58	1631277	1740048	121.322	131.640
) MA 4,4'-DDT	27.47	30.55	1490676	1592733	157.472	164.661
23) L1 Aroclor-1016{1}	10.75	12.68	25408	18569	68.737	60.714
24) L1 Aroclor-1016{2}	12.70	14.64	23681	25157	32.116	35.986
) L1 Aroclor-1016{3}	14.63	17.07	37411	10255	26.107	8.163 #
Sum Aroclor-1016			86500	53981	126.961	104.863
Average Aroclor-1016					42.320	34.954
					no	no
) L2 Aroclor-1221{2}	0.00	12.41	0	13339	N.D.	114.758 #
30) L2 Aroclor-1221{3}	10.75	12.68	25408	18569	51.918	37.498 #
Sum Aroclor-1221			25408	31909	51.918	152.251
Average Aroclor-1221					51.918	76.125
					no	no
31) L3 Aroclor-1232{1}	10.75	8.49	25408	85357	63.276	603.146 #
) L3 Aroclor-1232{2}	12.70	12.68	23681	18569	63.741	52.564
33) L3 Aroclor-1232{3}	14.63	14.64	37411	25157	52.744	75.851 #
34) L3 Aroclor-1232{4}	0.00	17.07	0	10255	N.D.	16.652 #
Sum Aroclor-1232			86500	139339	179.761	748.213
Average Aroclor-1232					59.920	187.053
					no	no
) L4 Aroclor-1242{1}	10.75	12.68	25408	18569	101.288	87.254
) L4 Aroclor-1242{2}	12.70	14.64	23681	25157	51.019	59.348
37) L4 Aroclor-1242{3}	14.63	17.07	37411	10255	36.683	13.601 #
Sum Aroclor-1242			86500	53981	188.991	160.202
Average Aroclor-1242					62.997	53.401
					no	no

7023 4/21/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD2B.CH
Acq On : 8 Apr 98 22:33 Operator:
Sample : 286632 SPIKE DUP Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:34 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
40) L5	Aroclor-1248{1}	12.70	14.64	23681	25157	79.535	89.348	
41) L5	Aroclor-1248{2}	14.63	17.07	37411	10255	40.116	12.217	#
42) L5	Aroclor-1248{5}	0.00	20.98	0	27772	N.D.	56.111	#
Sum	Aroclor-1248			61092	63184	119.651	157.676	
Average	Aroclor-1248					59.826	52.559	
						np	np	
45) L6	Aroclor-1254{1}	20.42	0.00	14201	0	19.722	N.D.	#
46) L6	Aroclor-1254{2}	20.95	23.59	30356	38315	32.727	45.438	#
47) L6	Aroclor-1254{3}	23.75	26.09	26226	73236	25.024	69.701	#
48) L6	Aroclor-1254{4}	26.87	28.08	40567	189462	55.856	356.172	#
49) L6	Aroclor-1254{5}	0.00	29.94	0	177527	N.D.	177.897	#
Sum	Aroclor-1254			111350	478541	133.328	649.209	
Average	Aroclor-1254					33.332	162.302	
						np	np	
50) L7	Aroclor-1260{1}	24.72	26.92	26951	52821	25.151	61.227	#
51) L7	Aroclor-1260{2}	25.39	28.08	135598	189462	113.875	182.868	#
52) L7	Aroclor-1260{3}	29.72	31.79	44732	34445	57.894	52.375	
53) L7	Aroclor-1260{4}	30.68	33.25	162754	51445	108.587	38.582	#
54) L7	Aroclor-1260{5}	32.91	35.11	112954	30152	96.049	25.924	#
Sum	Aroclor-1260			482988	358325	401.556	360.976	
Average	Aroclor-1260					80.311	72.195	
						np	np	
Sum	Toxaphene			0	0	N.D.	N.D.	
Average	Toxaphene					0.000	0.000	

4/20/98

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report

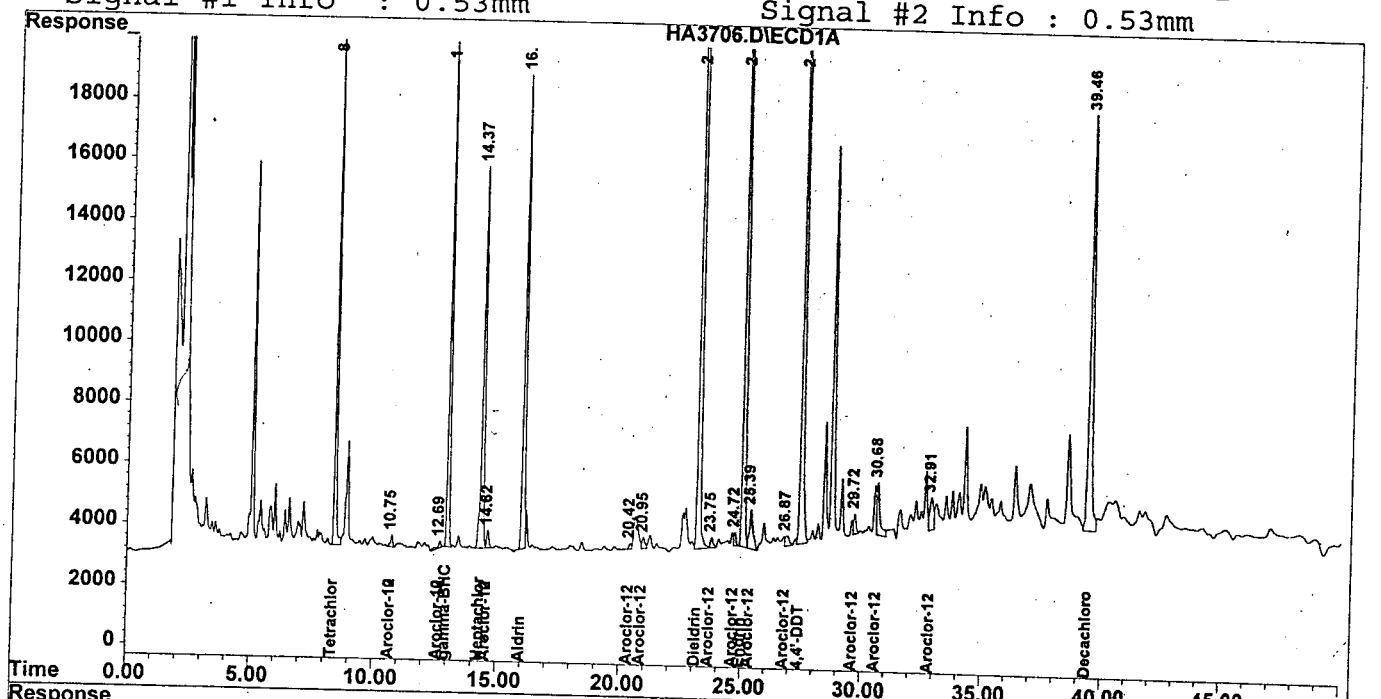
Signal #1 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD2B.CH
Acq On : 8 Apr 98 22:33
Sample : 286632 SPIKE DUP
Misc : QPC7615
IntFile Signal #1: EVENTS.E
Quant Time: Apr 9 10:34 1998

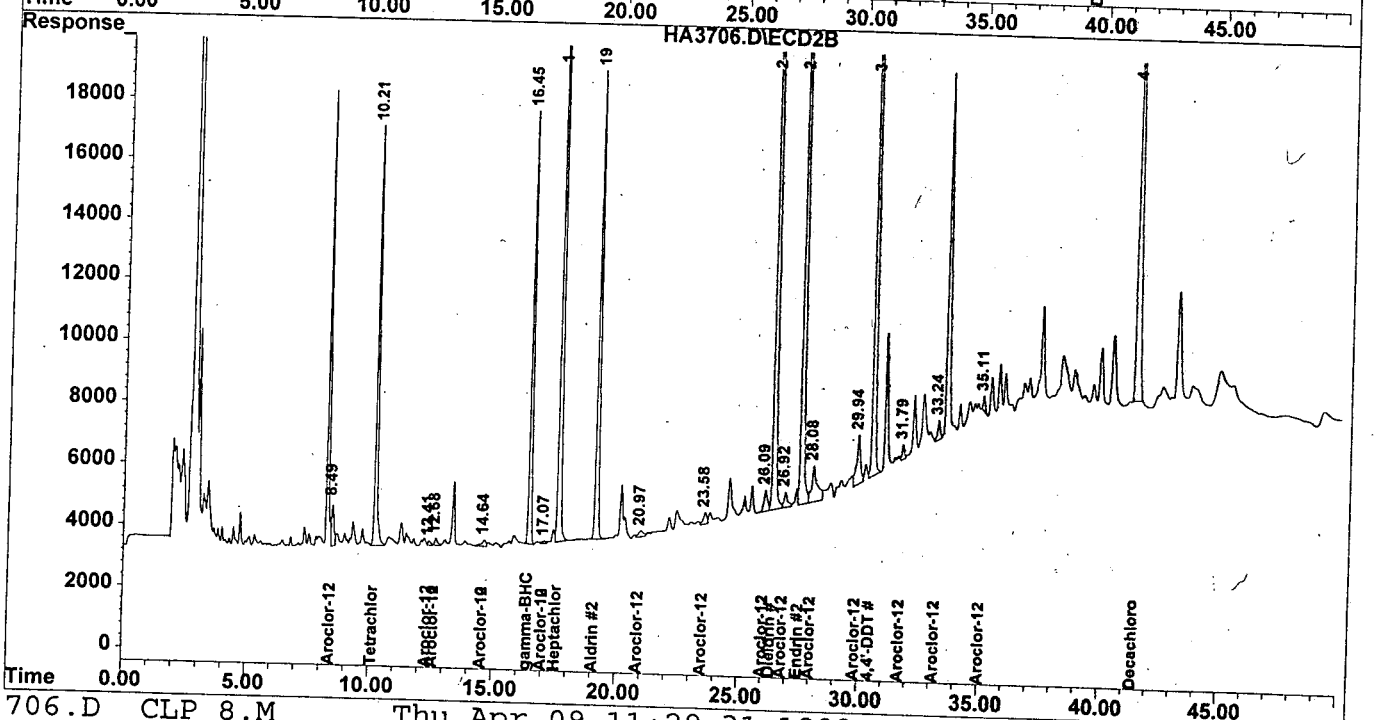
Vial: 25
Operator:
Inst : GC_5890_8
Multiplr: 1.00
IntFile Signal #2: EVENTS2.E
Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50
Signal #1 Info : 0.53mm

Signal #2 Phase: RTx-1701
Signal #2 Info : 0.53mm

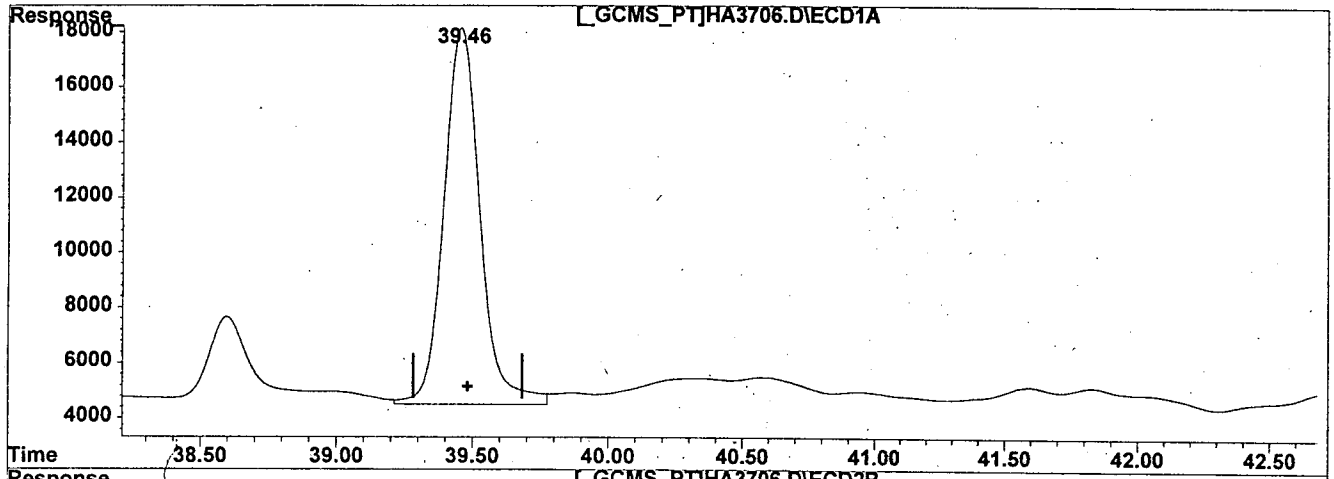


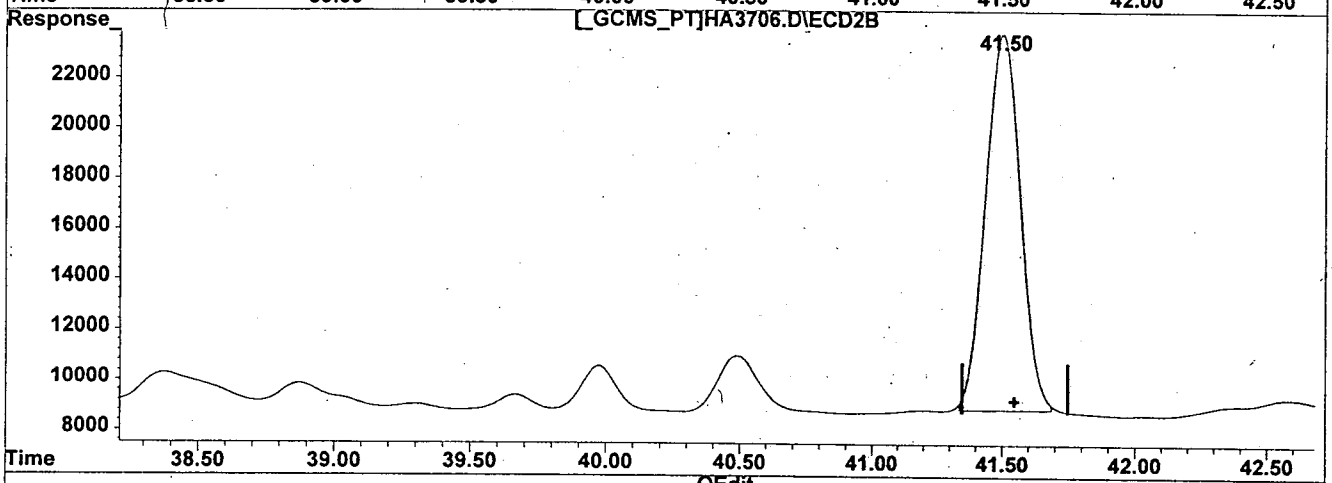


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD1A.CH Vial: 25
Signal #2 : C:\HPCHEM\1\DATA_H\HA3706.D\ECD2B.CH
Acq On : 8 Apr 98 22:33 Operator:
Sample : 286632 SPIKE DUP Inst : GC_5890_8
Misc : QPC7615 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 9 10:34 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)

39.46min 56.764ng/ml

response 1260819

(22) Decachlorobiphenyl #2 (SA)

41.50min 51.696ng/ml m

response 1372711

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3683.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_H\HA3683.D\ECD2B.CH
Acq On : 7 Apr 98 19:36 Operator:
Sample : GPC BLANK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 11:39 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
Target Compounds						
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

7-4 4/8/98

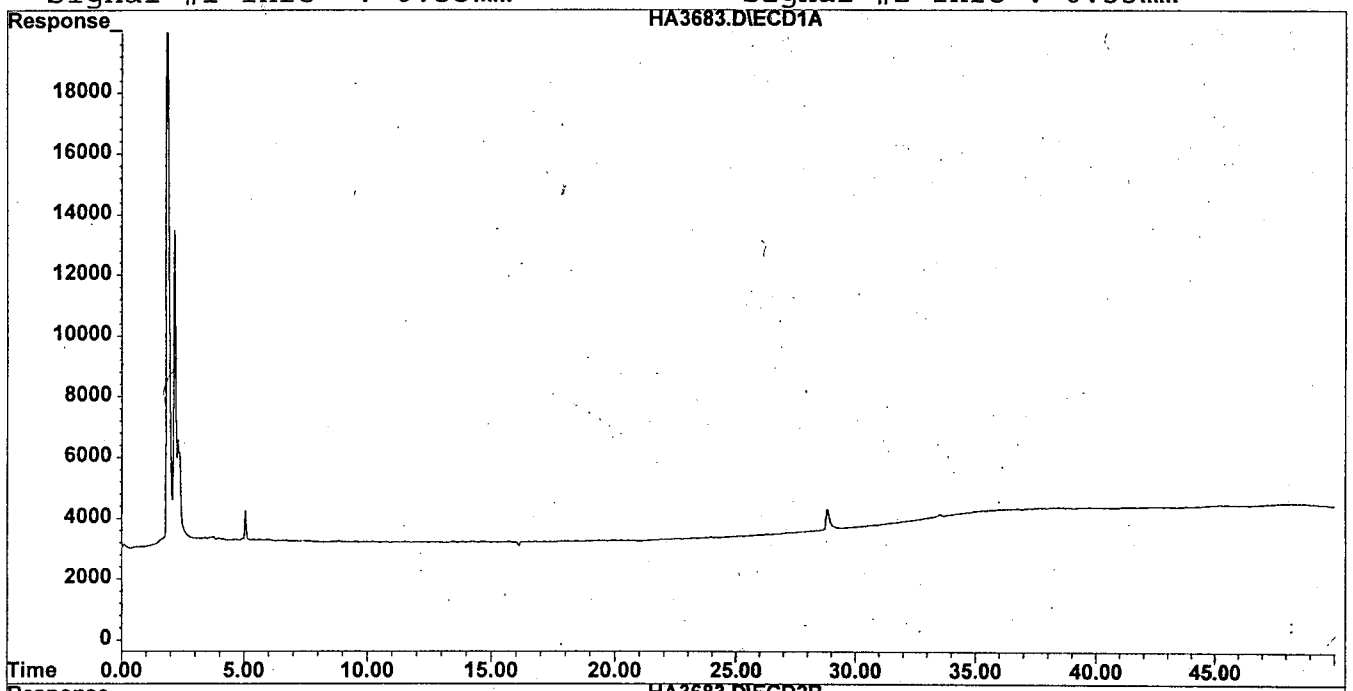
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

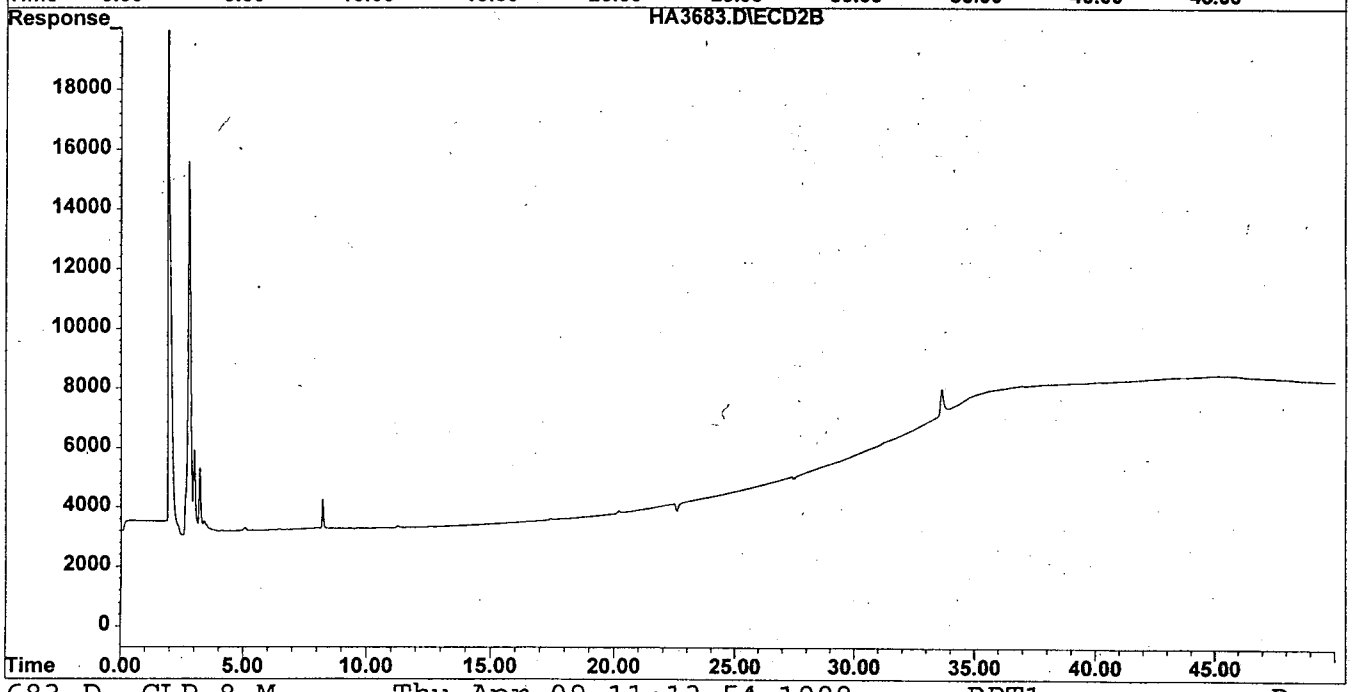
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3683.D\ECD1A.CH Vial: 3
Signal #2 : C:\HPCHEM\1\DATA_H\HA3683.D\ECD2B.CH
Acq On : 7 Apr 98 19:36 Operator:
Sample : GPC BLANK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 11:39 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3684.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_H\HA3684.D\ECD2B.CH
Acq On : 7 Apr 98 20:30 Operator:
Sample : PEST CHECK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 16 11:31 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
Target Compounds						
3) MA gamma-BHC (Linda	13.00	16.45	338378	302079	25.447	25.445
4) MA Heptachlor	14.36	17.63	303998	540686	25.325	26.047
6) MB Aldrin	16.02	19.15	305637	308797	27.272	27.793
8) MA Dieldrin	23.18	26.43	762418	778334	54.828m	55.105m
14) MA Endrin	25.05	27.58	583032	579495	43.361	43.840
17) MA 4,4'-DDT	27.48	30.55	486552	520448	51.398	53.805
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

4/16/98

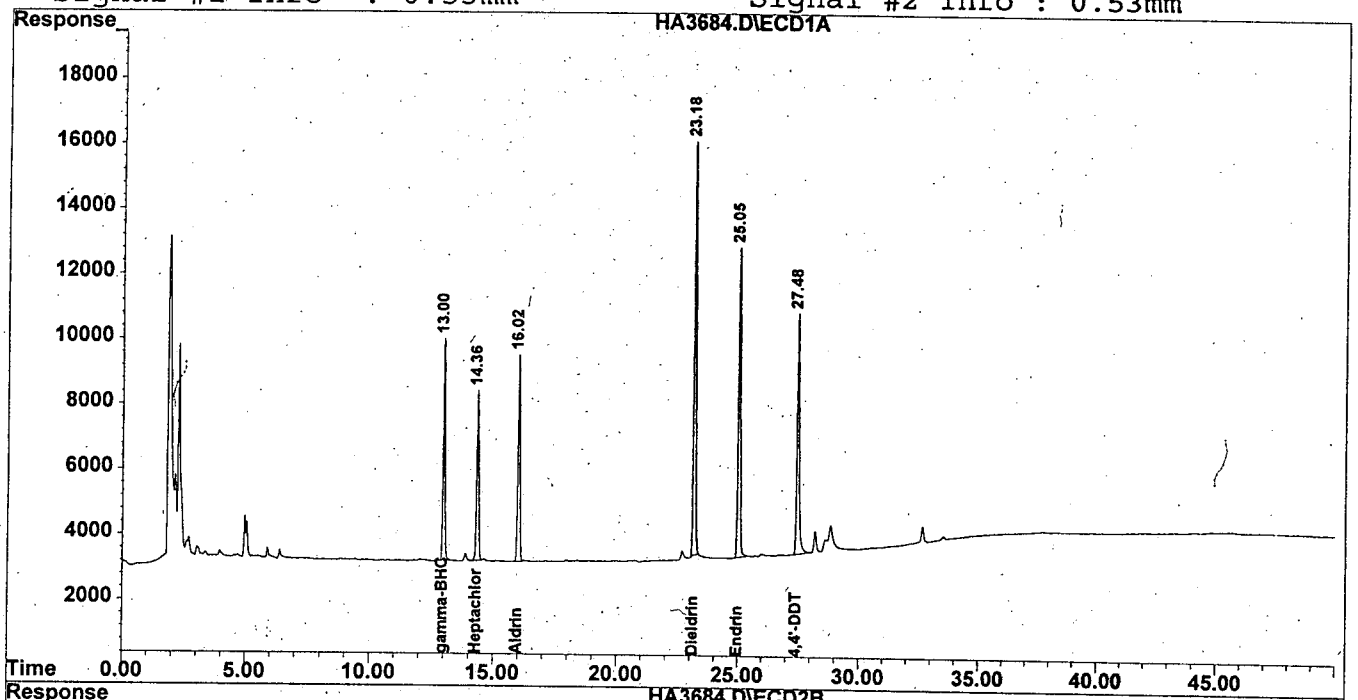
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

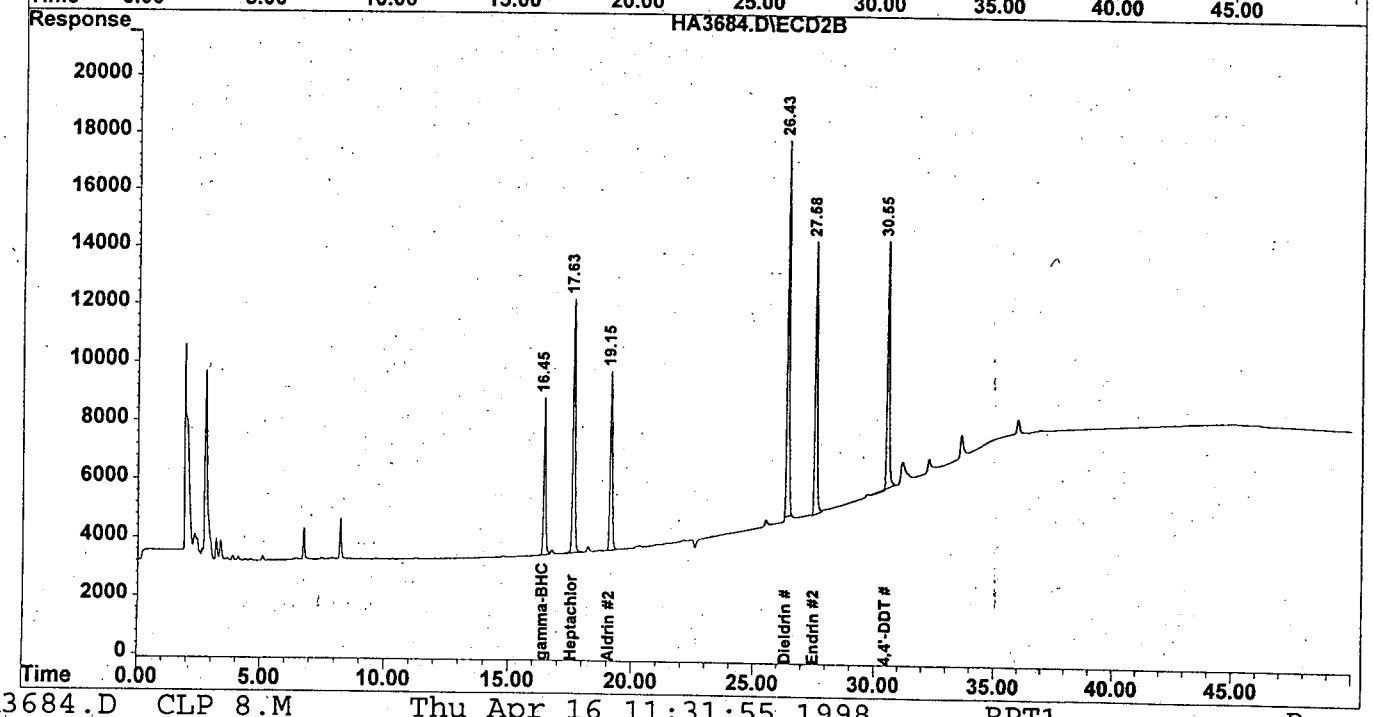
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3684.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_H\HA3684.D\ECD2B.CH
Acq On : 7 Apr 98 20:30 Operator:
Sample : PEST CHECK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 16 11:31 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

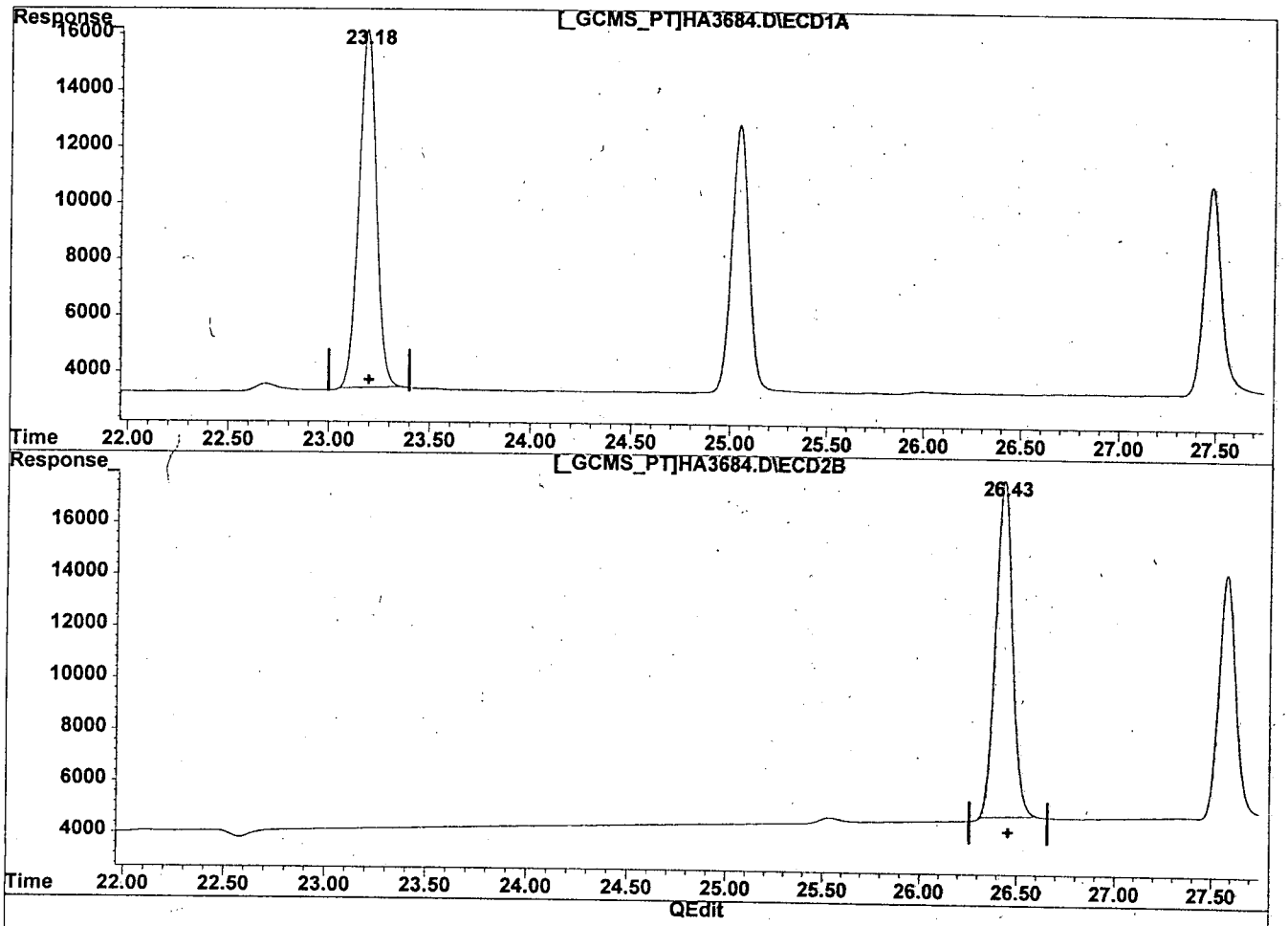




Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3684.D\ECD1A.CH Vial: 4
Signal #2 : C:\HPCHEM\1\DATA_H\HA3684.D\ECD2B.CH
Acq On : 7 Apr 98 20:30 Operator:
Sample : PEST CHECK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 16:06 1998 Quant Results File: CLP_8.RES

Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration



(13) Dieldrin (MA)

23.18min 54.828ng/ml m

response 762418

(13) Dieldrin #2 (MA)

26.43min 55.105ng/ml m

response 778334

(+) = Expected Retention Time

ICM Laboratories Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA_H\HA3685.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_H\HA3685.D\ECD2B.CH
Acq On : 7 Apr 98 21:24 Operator:
Sample : PCB CHECK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 16:09 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Continuing Cal File: C:\HPCHEM\1\DATA_H\HA3582.D
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
Target Compounds						
23) L1 Aroclor-1016{1}	10.76	12.70	18384	19700	49.735	64.413 #
24) L1 Aroclor-1016{2}	12.70	14.65	48381	47195	65.614	67.509
25) L1 Aroclor-1016{3}	14.64	17.07	83772	83002	58.462	66.071
26) L1 Aroclor-1016{4}	15.42	17.83	20404	34990	48.252	68.764 #
27) L1 Aroclor-1016{5}	18.08	20.39	39997	45993	88.240	77.242
Sum Aroclor-1016			210939	230880	310.302	343.998
Average Aroclor-1016					62.060	68.800
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
50) L7 Aroclor-1260{1}	24.73	26.93	69695	70141	65.041	81.304 #
51) L7 Aroclor-1260{2}	25.41	28.10	67683	75890	56.841	73.249 #
52) L7 Aroclor-1260{3}	29.73	31.82	49197	47736	63.673	72.584
53) L7 Aroclor-1260{4}	30.71	33.27	97311	86665	64.924	64.996
54) L7 Aroclor-1260{5}	32.98	35.15	69717	64050	59.283	55.069
Sum Aroclor-1260			353604	344482	309.762	347.201
Average Aroclor-1260					61.952	69.440
Sum Toxaphene			0	0	N.D.	N.D.
Average Toxaphene					0.000	0.000

7/8/98

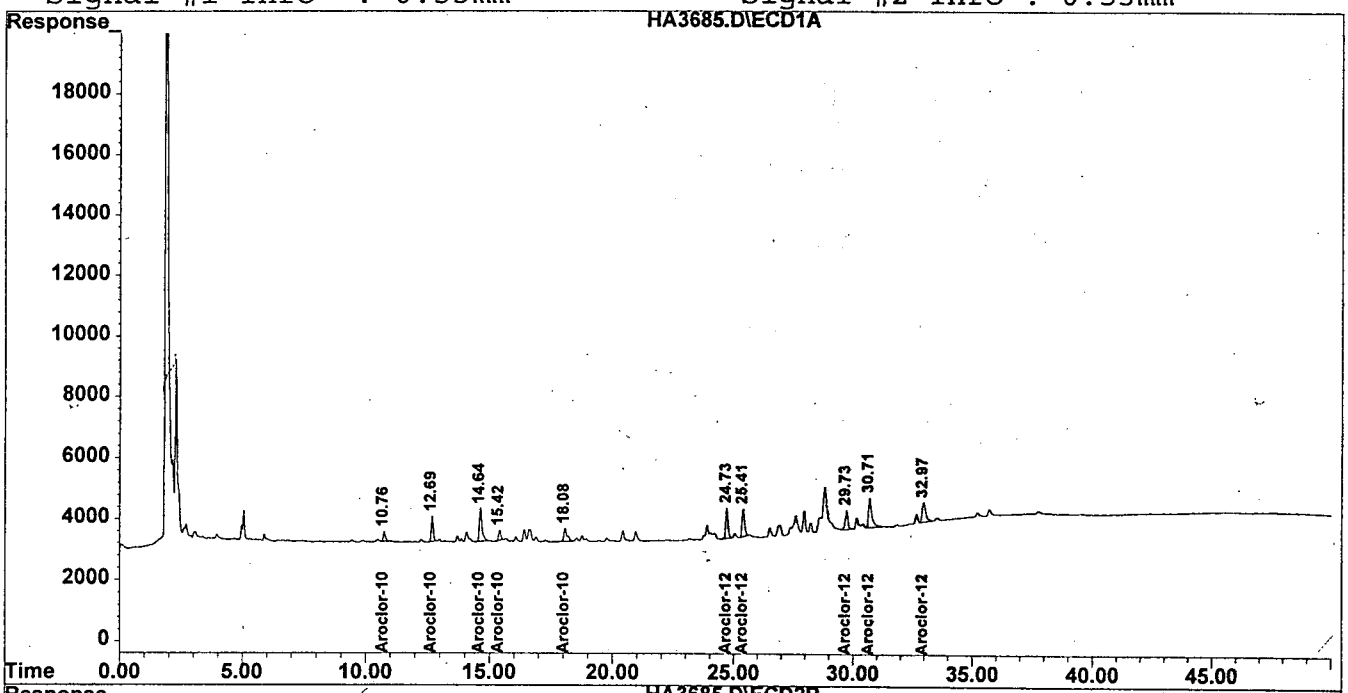
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

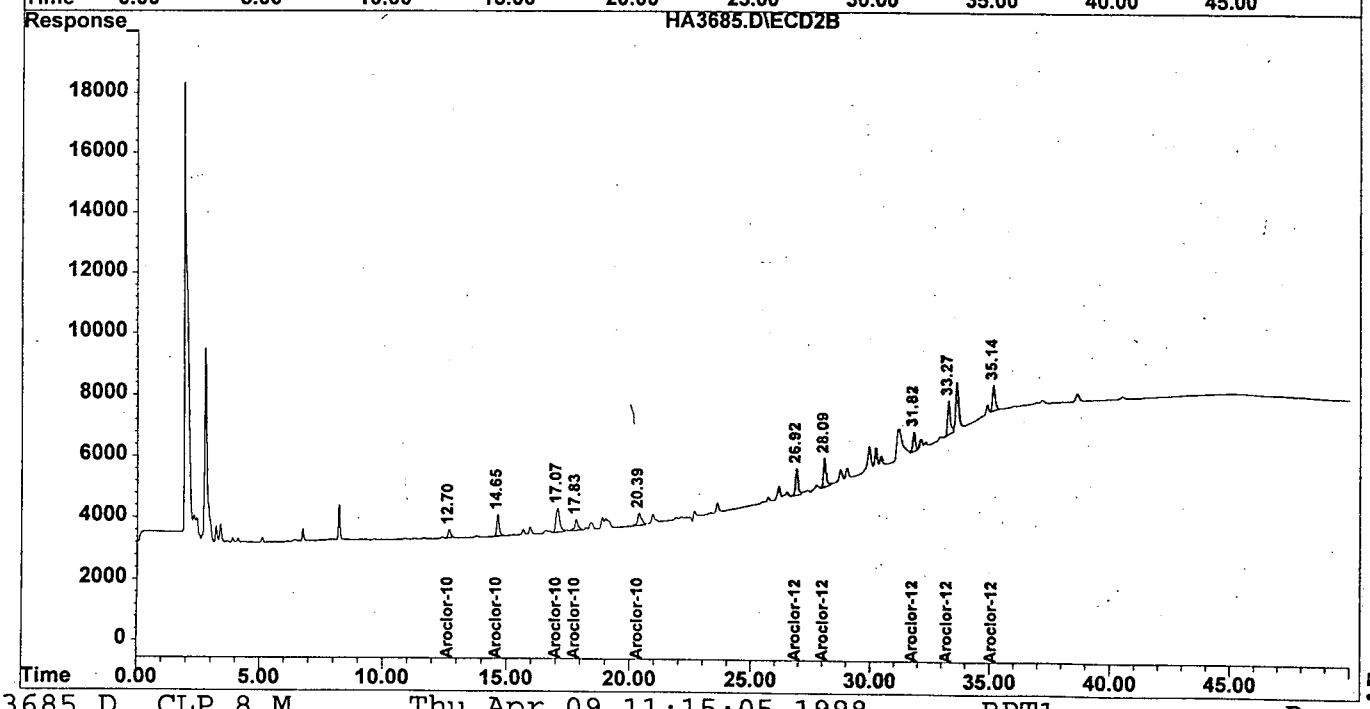
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA_H\HA3685.D\ECD1A.CH Vial: 5
Signal #2 : C:\HPCHEM\1\DATA_H\HA3685.D\ECD2B.CH
Acq On : 7 Apr 98 21:24 Operator:
Sample : PCB CHECK Inst : GC_5890_8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Apr 8 16:09 1998 Quant Results File: CLP_8.RES

Quant Method : F:\1\METHODS\CLP_8.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Thu Jan 15 15:56:00 1998
Response via : Single Level Calibration
DataAcq Meth : CLP_8.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0153.D\ECD1A.CH Vial: 12
Signal #2 : C:\HPCHEM\1\DATA\HA0153.D\ECD2B.CH
Acq On : 4 Mar 97 23:32 Operator:
Sample : INDAM01 Inst : GC 5890-
Misc : MIX [A,S] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: events2.e
Quant Time: Mar 5 1:45 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0153.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.35	9.96	571528	403508	20.000	20.000
Spiked Amount 20.000 Range 60 - 150 Recovery =					100.00%	100.00%
22) SA Decachlorobiphen	36.94	38.26	1658011	1259797	40.000	40.000
Spiked Amount 20.000 Range 60 - 150 Recovery =					200.00%#	200.00%#
Target Compounds						
2) A alpha-BHC	10.89	14.22	460899	245848	20.000	20.000
3) MA gamma-BHC	12.81	16.34	478971	282641	20.000	20.000
4) MA Heptachlor	14.19	17.42	549560	487657	20.000	20.000
9) A Endosulfan I	21.16	24.55	517730	401539	20.000	20.000
13) MA Dieldrin	23.10	26.69	982095	797246	40.000	40.000
14) MA Endrin	25.11	27.97	640088	636262	40.000	31.923
16) A 4,4'-DDD	26.22	30.47	352556	522455	40.000	40.000
17) MA 4,4'-DDT	27.93	31.02	477844	403237	40.000	40.000
20) A Methoxychlor	32.04	33.01	1004049	1931607	200.000	200.000
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

3/10/97

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0153.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA\HA0153.D\ECD2B.CH
Acq On : 4 Mar 97 23:32
Sample : INDAM01
Misc : MIX [A,S]
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 5 1:45 1997 Quant Results File: CLPPEST.RES

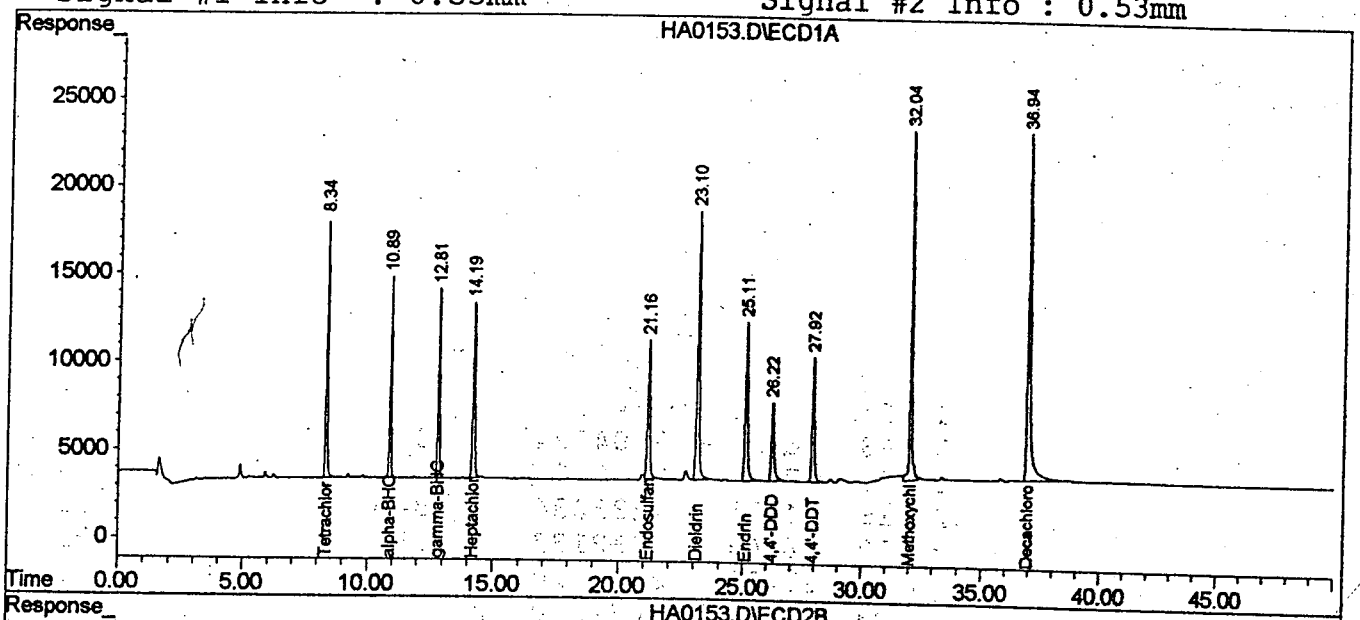
Vial: 12

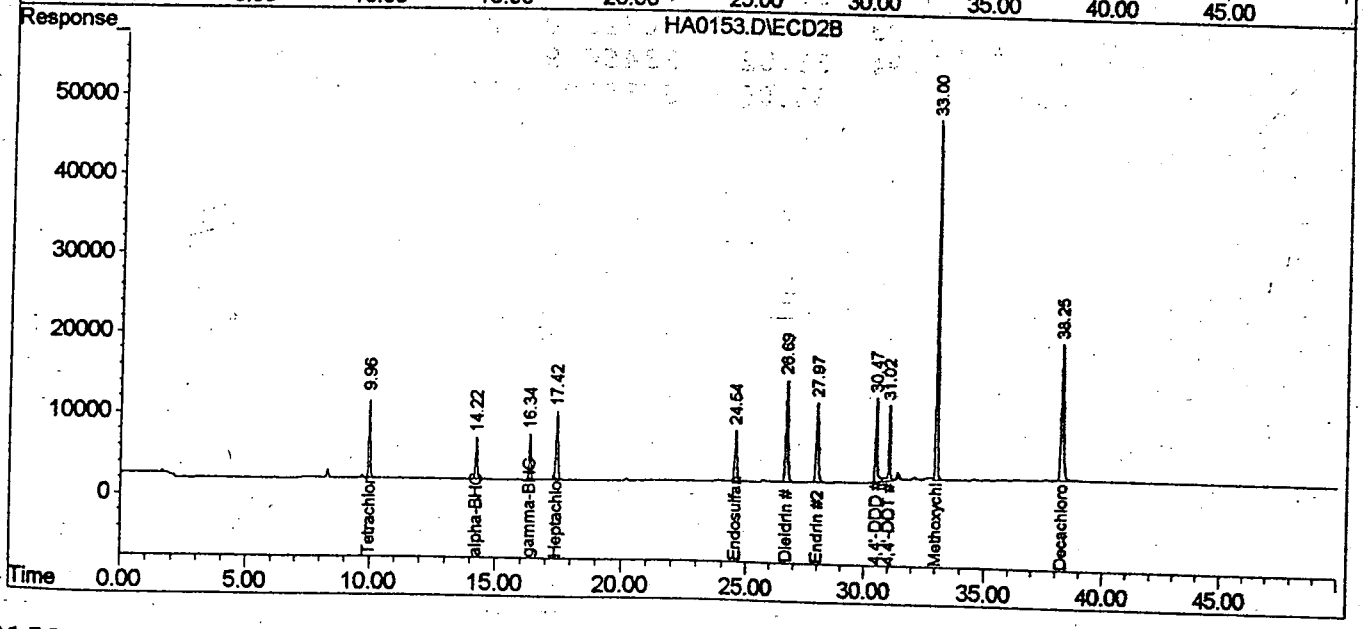
Operator:
Inst : GC 5890-8
Multiplr: 1.00

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Single Level Calibration
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50
Signal #1 Info : 0.53mm

Signal #2 Phase: RTx-1701
Signal #2 Info : 0.53mm





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0154.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\HA0154.D\ECD2B.CH
Acq On : 5 Mar 97 00:25 Operator:
Sample : INDBM01 Inst : GC 5890-
Misc : MIX [B,S] Multiplr: 1.00
IntFile Signal #1: NA IntFile Signal #2: NA
Quant Time: Mar 5 1:25 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Tue Mar 04 10:44:54 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0146.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1) SA Tetrachloro-m-xy	8.35	9.96	578606	406297	22.630	22.243
Spiked Amount 20.000 Range 60 - 150 Recovery =					113.15%	111.22%
22) SA Decachlorobiphen	36.94	38.26	1635080	1254845	87.546	83.868
Spiked Amount 20.000 Range 60 - 150 Recovery =					437.73%#	419.34%#
Target Compounds						
5) MB Aldrin	15.84	18.91	425073	315769	82.910	75.488
6) B beta-BHC	14.04	20.63	260657	175504	84.882	78.357
7) B delta-BHC	15.33	21.96	242391	155812	87.280	71.217
8) B Heptachlor Epoxi	19.17	22.93	456717	386852	81.613	75.751
10) B gamma-Chlordane	20.22	24.89	585338	446863	82.992	72.905
11) B alpha-Chlordane	21.07	25.25	610540	449024	83.850	73.617
12) B 4,4'-DDE	22.65	25.71	764955	578307	167.963	75.952
15) B Endosulfan II	26.74	30.73	824542	769882	173.918	179.344
18) B Endrin Aldehyde	28.66	32.07	642502	652516	166.117	146.644
19) B Endosulfan Sulfa	29.67	33.17	465729	572853	185.756	178.508
21) B Endrin Ketone	32.19	34.59	843773	575791	197.944	188.328
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

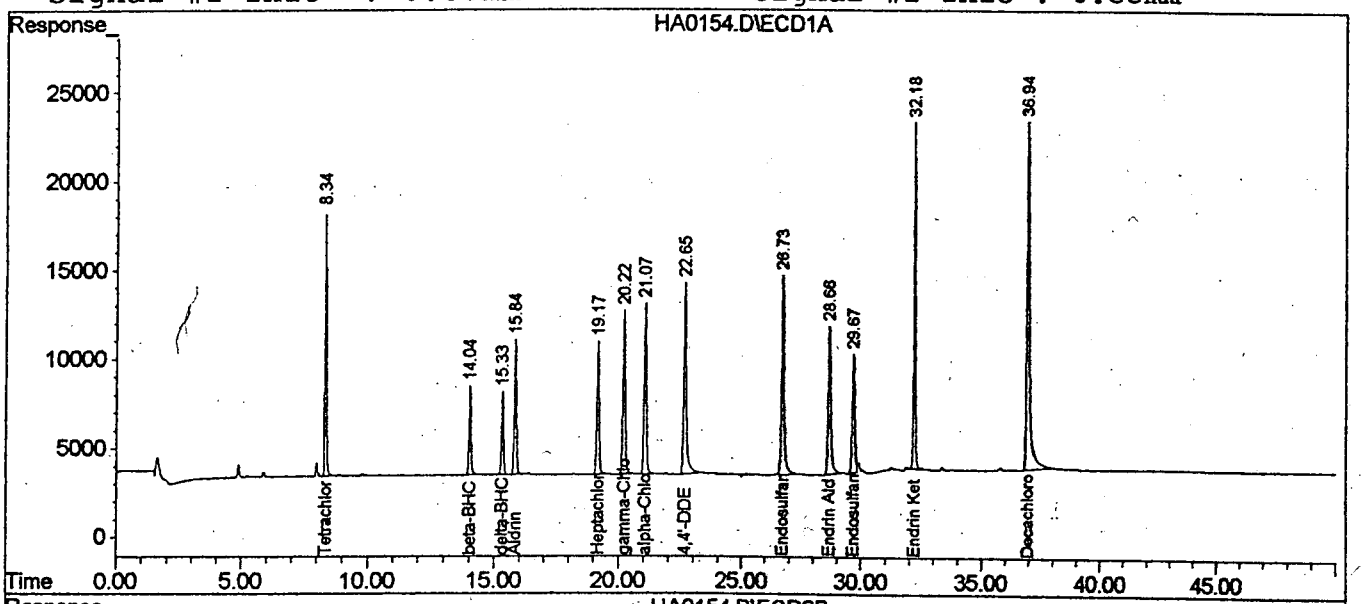
~~562~~ 3/10/97

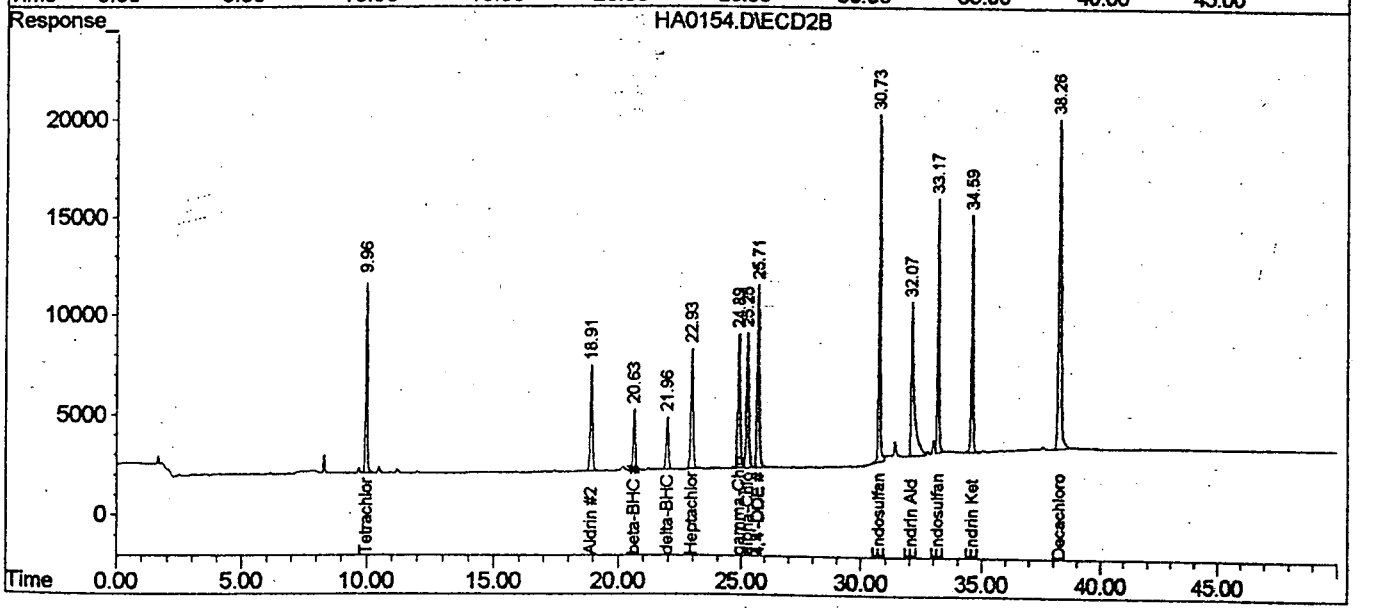
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0154.D\ECD1A.CH Vial: 13
Signal #2 : C:\HPCHEM\1\DATA\HA0154.D\ECD2B.CH
Acq On : 5 Mar 97 00:25 Operator:
Sample : INDBM01 Inst : GC 5890-8
Misc : MIX [B,S] Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 5 1:25 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Tue Mar 04 10:44:54 1997
Response via : Single Level Calibration
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0174.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\HA0174.D\ECD2B.CH
Acq On : 5 Mar 97 20:44 Operator:
Sample : FLUORISIL BLANK 2/12 Inst : GC 5890-8
Misc : Lot # SP10450 Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:28 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0153.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
Target Compounds						
20) A Methoxychlor	0.00	32.95	0	12110	N.D.	1.254 #
27) L1 Aroclor-1016{5}	0.00	20.16	0	18984	N.D.	14.696 #
Sum Aroclor-1016			0	18984	N.D.	14.696
Average Aroclor-1016					0.000	14.696
28) L2 Aroclor-1221{1}	0.00	8.29	0	71236	N.D.	147.152 #
Sum Aroclor-1221			0	71236	N.D.	147.152
Average Aroclor-1221					0.000	147.152
34) L3 Aroclor-1232{4}	0.00	20.16	0	18984	N.D.	34.216 #
Sum Aroclor-1232			0	18984	N.D.	34.216
Average Aroclor-1232					0.000	34.216
39) L4 Aroclor-1242{5}	0.00	20.16	0	18984	N.D.	59.352 #
Sum Aroclor-1242			0	18984	N.D.	59.352
Average Aroclor-1242					0.000	59.352
43) L5 Aroclor-1248{4}	0.00	20.16	0	18984	N.D.	106.031 #
Sum Aroclor-1248			0	18984	N.D.	106.031
Average Aroclor-1248					0.000	106.031
Sum Aroclor-1254			0	0	N.D.	N.D.
Average Aroclor-1254					0.000	0.000
Sum Aroclor-1260			0	0	N.D.	N.D.
Average Aroclor-1260					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

3/10/97

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0174.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\HA0174.D\ECD2B.CH
Acq On : 5 Mar 97 20:44 Operator:
Sample : FLUORISIL BLANK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:28 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0153.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
58) L8 Toxaphene{4}	0.00	32.95	0	12110	N.D.	31.048 #
Sum Toxaphene			0	12110	N.D.	31.048
Average Toxaphene					0.000	31.048

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

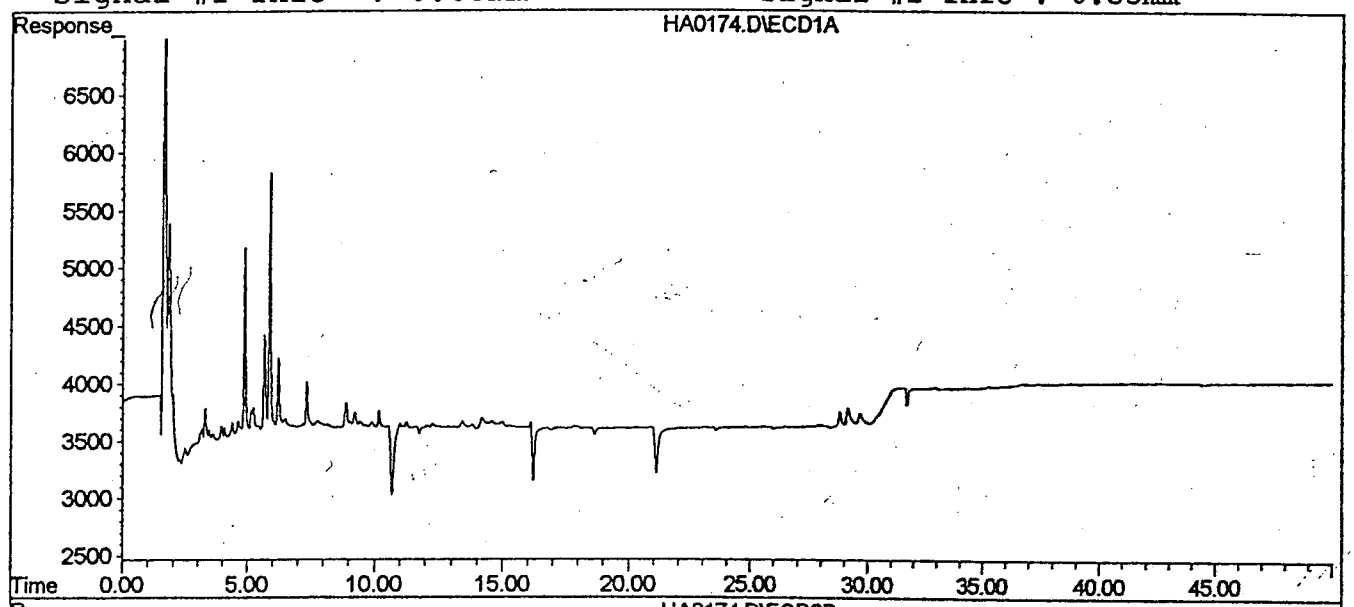
Dmw 3/10/97

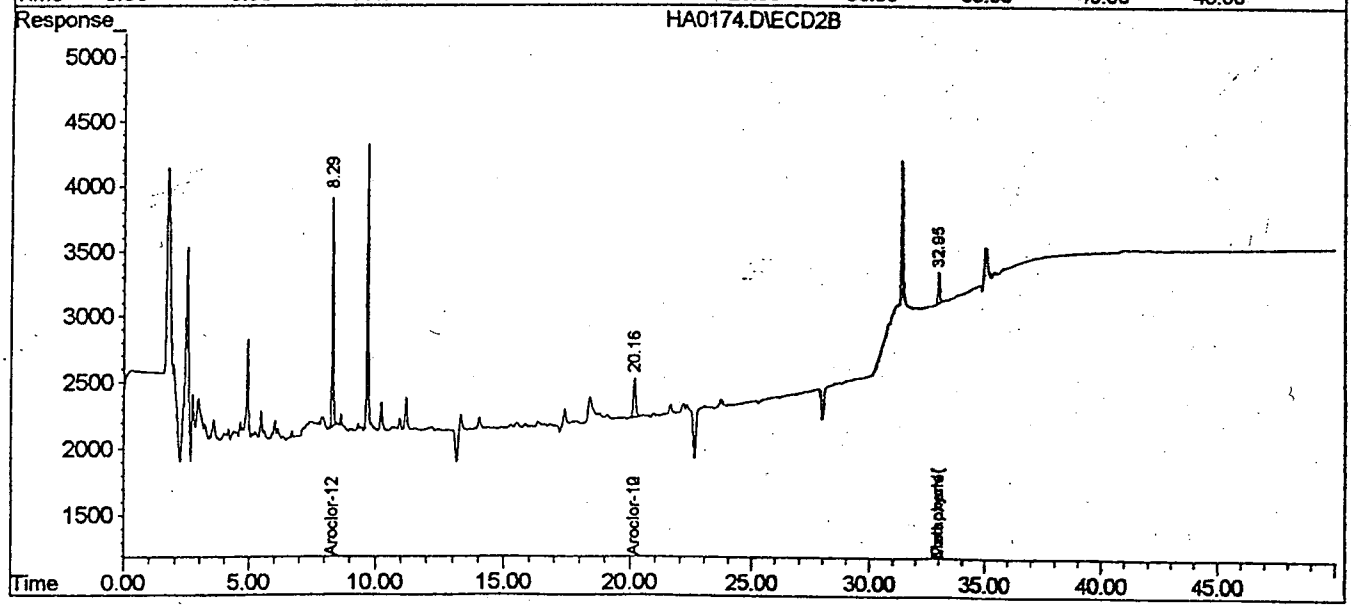
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0174.D\ECD1A.CH Vial: 33
Signal #2 : C:\HPCHEM\1\DATA\HA0174.D\ECD2B.CH
Acq On : 5 Mar 97 20:44 Operator:
Sample : FLUORISIL BLANK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:28 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Single Level Calibration
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





Quantitation Report (QT Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 10 18:21 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0153.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml
System Monitoring Compounds						
1 SA Tetrachloro-m-xy	8.34	9.95	244923	185170	8.571	9.178
Spiked Amount 20.000 Range 60 - 150 Recovery =					42.86%#	45.89%#
22 SA Decachlorobiphen	36.93	38.25	816580	668479	19.700m	21.225
Spiked Amount 20.000 Range 60 - 150 Recovery =					98.50%	106.13%
Target Compounds						
2 A alpha-BHC	10.88	14.20	216415	105978	9.391	8.621
3) MA gamma-BHC	12.80	16.33	178146	118240	7.439	8.367m
4) MA Heptachlor	14.18	17.40	275945	253761	10.042m	10.407m
9 A Endosulfan I	21.16	24.53	148119	214632	5.722	10.690 #
13) MA Dieldrin	23.09	26.67	497907	366570	20.279	18.392m
14) MA Endrin	25.10	27.95	341996	259519	21.372	16.315
16 A 4,4'-DDD	26.20	30.45	224142	220094	25.431	16.851m#
17) MA 4,4'-DDT	27.91	31.01	279754	184631	23.418	18.315
20) A Methoxychlor	32.03	32.99	573174	946458	114.173m	97.997m
Sum Aroclor-1016			0	0	N.D.	N.D.
Average Aroclor-1016					0.000	0.000
Sum Aroclor-1221			0	0	N.D.	N.D.
Average Aroclor-1221					0.000	0.000
Sum Aroclor-1232			0	0	N.D.	N.D.
Average Aroclor-1232					0.000	0.000
Sum Aroclor-1242			0	0	N.D.	N.D.
Average Aroclor-1242					0.000	0.000
Sum Aroclor-1248			0	0	N.D.	N.D.
Average Aroclor-1248					0.000	0.000

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

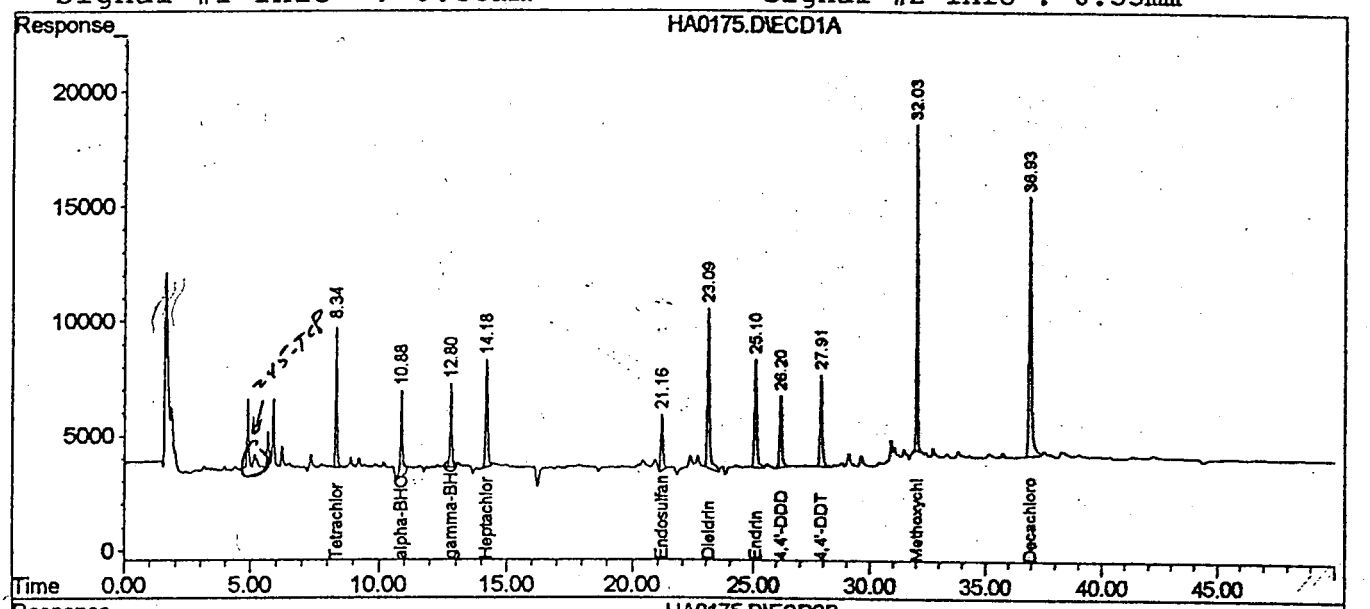
DMW 3/10/97

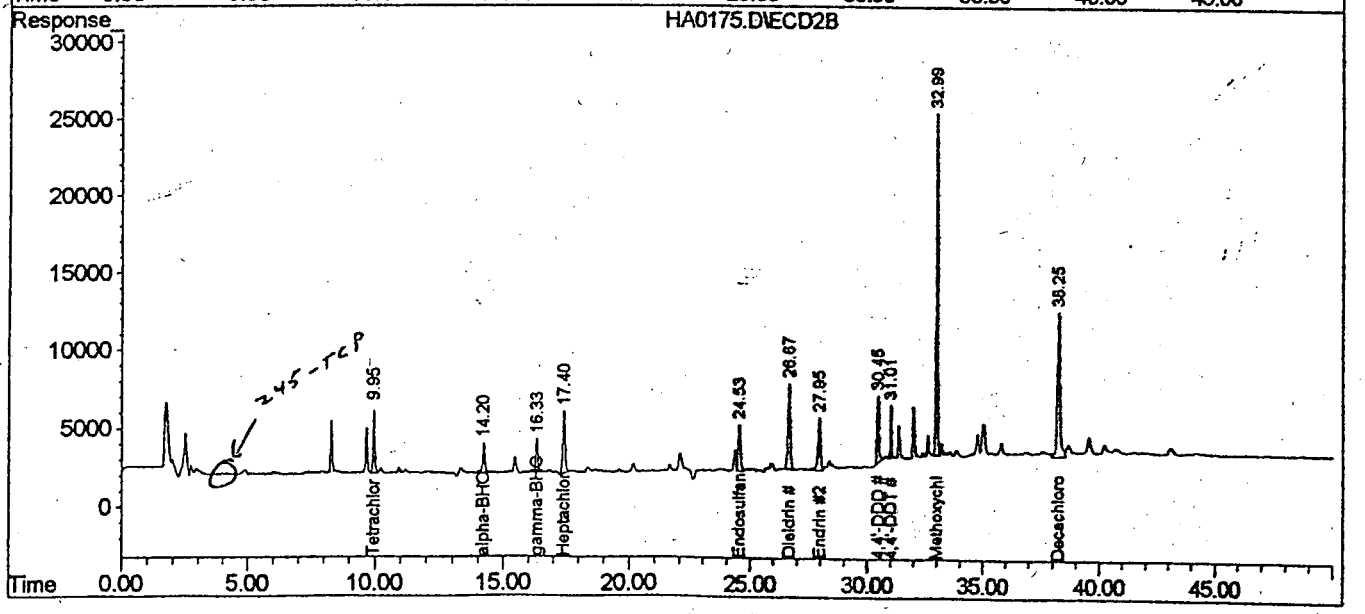
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 10 18:21 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Single Level Calibration
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm



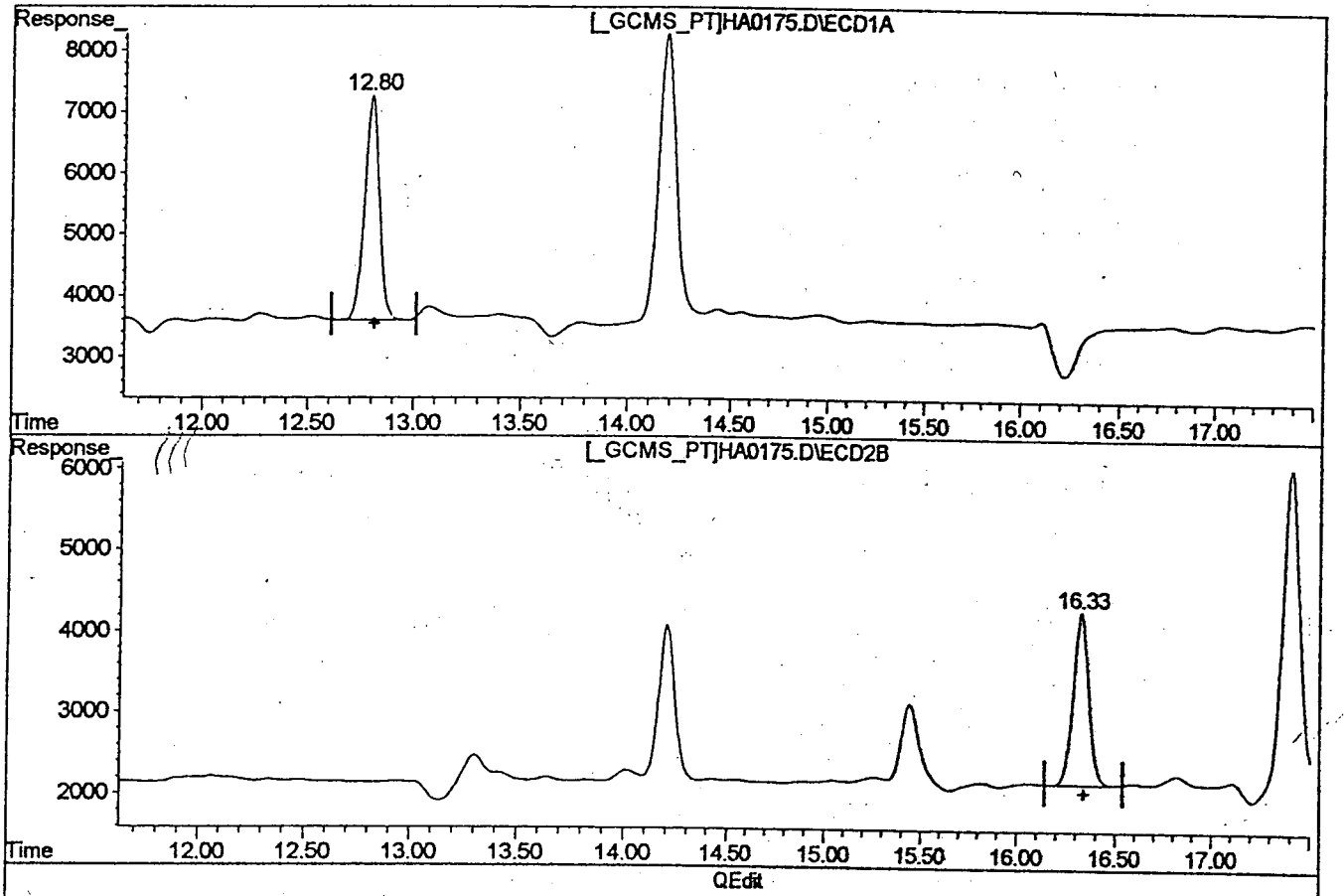


Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37
Sample : FLUORISIL PEST CHK 2/12
Misc :
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:29 1997 Quant Results File: CLPPEST.RES

Vial: 34
Operator:
Inst : GC 5890-8
Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Fri Mar 07 08:29:26 1997
Response via : Single Level Calibration



(3) gamma-BHC (MA)
12.80min 7.439ng/ml
response 178146

(3) gamma-BHC #2 (MA)
16.33min 8.367ng/ml m
response 118240

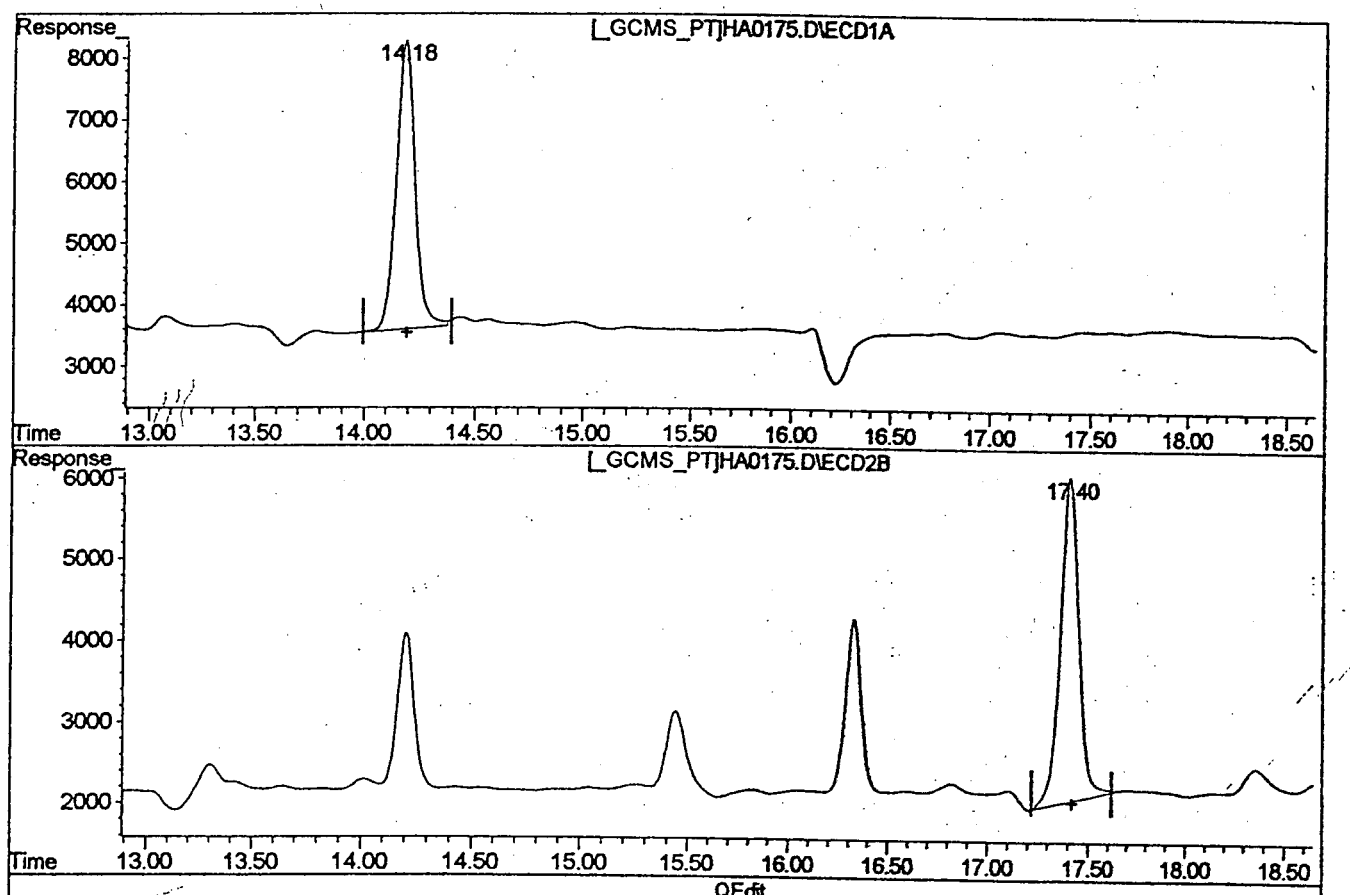
(+) = Expected Retention Time

HA0175.D CLPPEST.M Mon Mar 10 17:41:06 1997 GC_5890-8

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:29 1997 Quant Results File: CLPPEST.RES

Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Fri Mar 07 08:29:26 1997
Response via : Single Level Calibration



(4) Heptachlor (MA)
14.18min 10.042ng/ml m
response 275945

(4) Heptachlor #2 (MA)
17.40min 10.407ng/ml m
response 253761

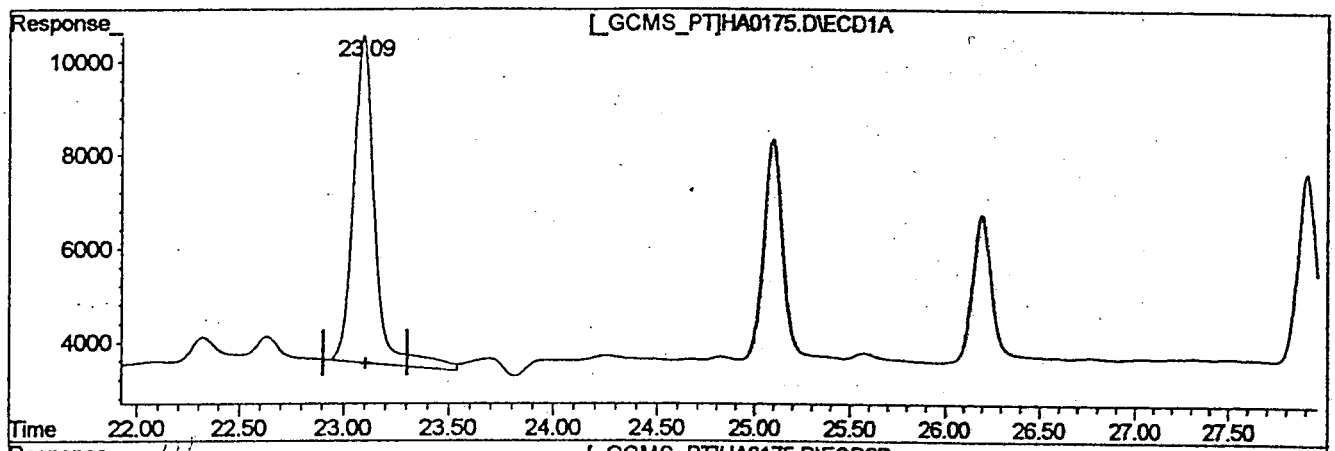
(+) = Expected Retention Time

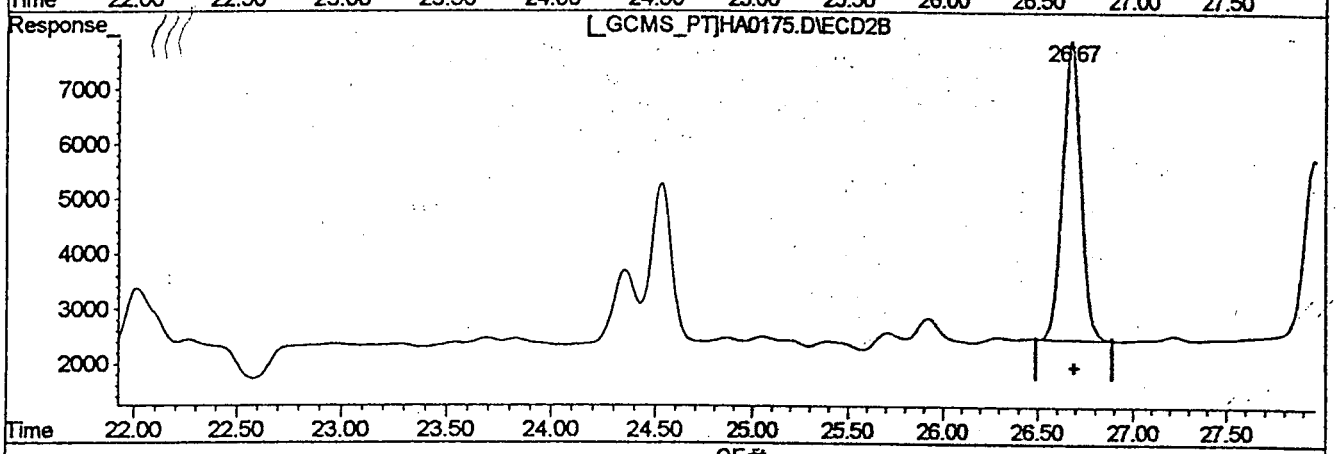
HA0175.D CLPPEST.M Mon Mar 10 17:41:46 1997 GC_5890-8

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:29 1997 Quant Results File: CLPPEST.RES

Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Fri Mar 07 08:29:26 1997
Response via : Single Level Calibration





QEdit

(13) Dieldrin (MA)
23.09min 20.279ng/ml
response 497907

(13) Dieldrin #2 (MA)
26.67min 18.392ng/ml m
response 366570

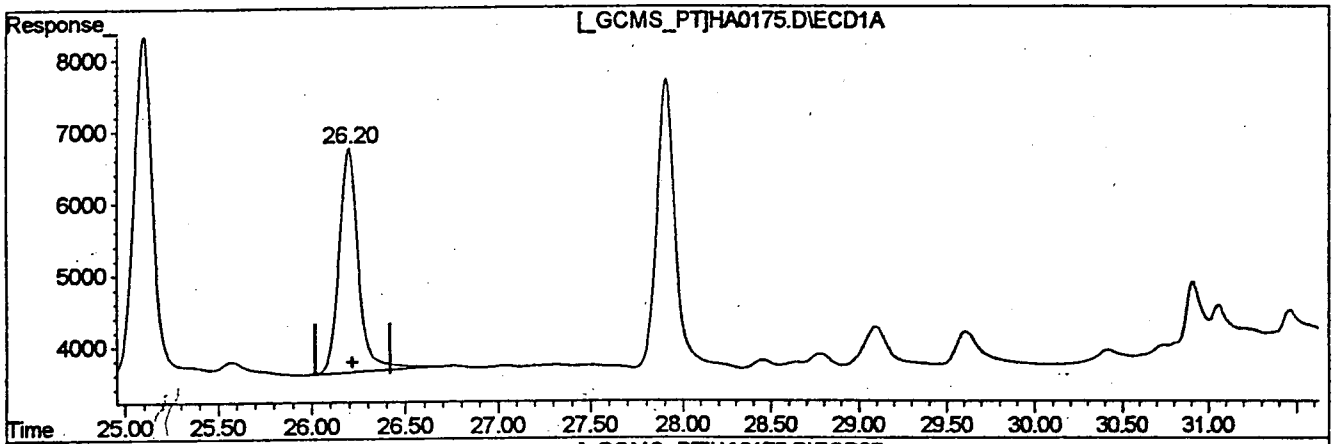
(+) = Expected Retention Time

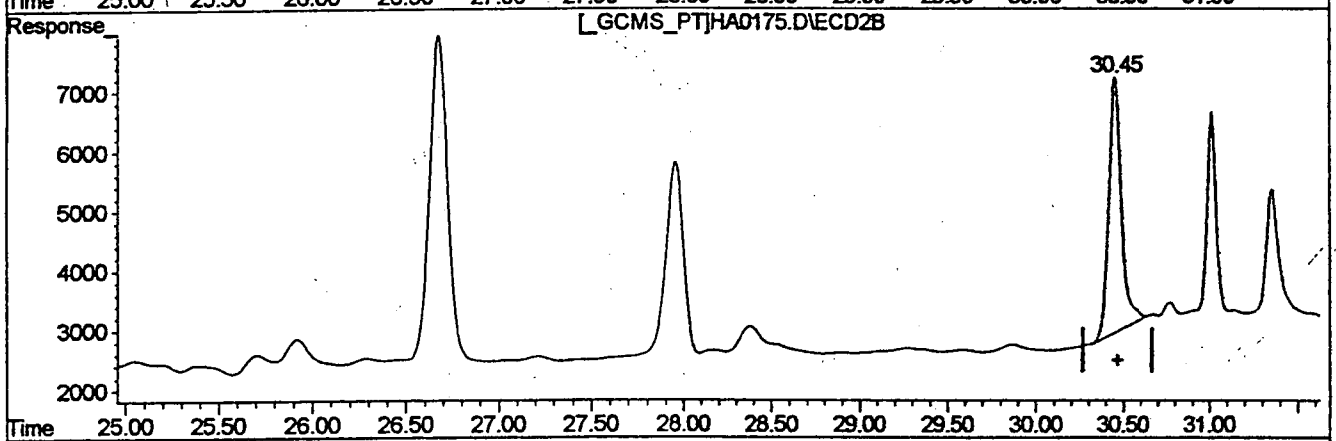
HA0175.D CLPPEST.M Mon Mar 10 17:42:12 1997 GC_5890-8

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 10 17:58 1997 Quant Results File: CLPPEST.RES

Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Fri Mar 07 08:29:26 1997
Response via : Single Level Calibration





QEdit

(16) 4,4'-DDD (A)
26.20min 25.431ng/ml
response 224142

(16) 4,4'-DDD #2 (A)
30.45min 16.851ng/ml m
response 220094

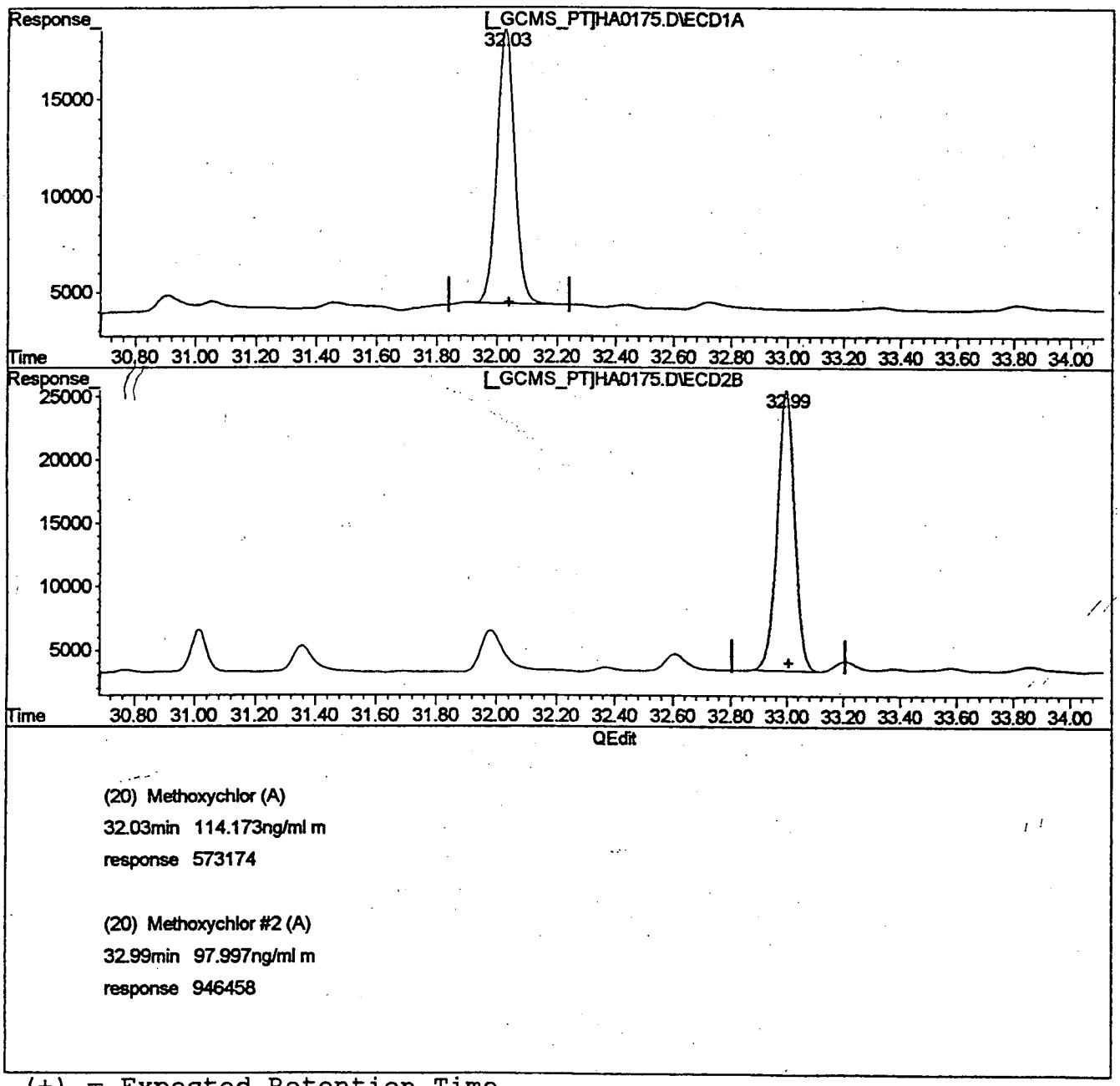
(+) = Expected Retention Time

HA0175.D CLPPEST.M Mon Mar 10 18:20:41 1997 GC_5890-8

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 10 17:58 1997 Quant Results File: CLPPEST.RES

Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Fri Mar 07 08:29:26 1997
Response via : Single Level Calibration



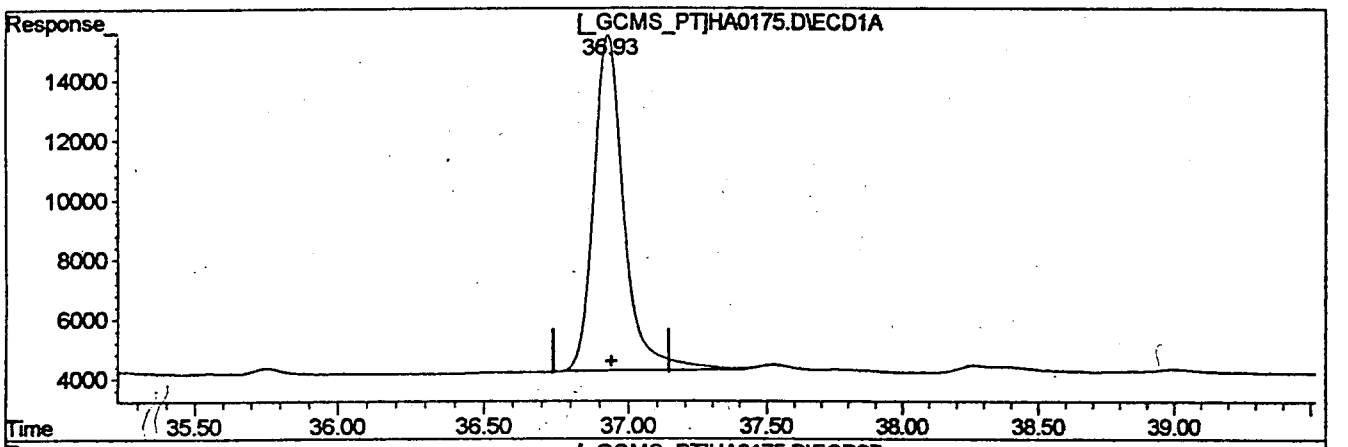
(+) = Expected Retention Time

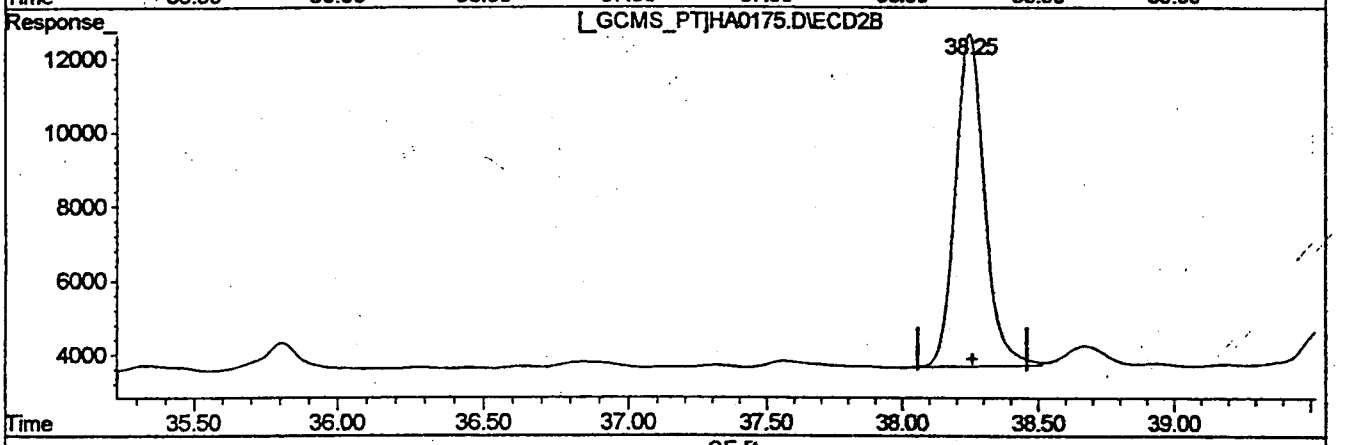
HA0175.D CLPPEST.M Mon Mar 10 18:21:45 1997 GC_5890-8

Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0175.D\ECD1A.CH Vial: 34
Signal #2 : C:\HPCHEM\1\DATA\HA0175.D\ECD2B.CH
Acq On : 5 Mar 97 21:37 Operator:
Sample : FLUORISIL PEST CHK 2/12 Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 10 18:33 1997 Quant Results File: CLPPEST.RES

Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Fri Mar 07 08:29:26 1997
Response via : Single Level Calibration





QEdit

(22) Decachlorobiphenyl (SA)
36.93min 19.700ng/ml m
response 816580

(22) Decachlorobiphenyl #2 (SA)
38.25min 21.225ng/ml m
response 668479

(+) = Expected Retention Time

HA0175.D CLPPEST.M Mon Mar 10 19:40:21 1997 GC_5890-8

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0176.D\ECD1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\HA0176.D\ECD2B.CH
Acq On : 5 Mar 97 22:31 Operator:
Sample : 2,4,5-TRICHLOROPHENOL 200 PPB Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:30 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0153.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
System Monitoring Compounds									
Target Compounds									
10)	B	gamma-Chlordane	20.28	0.00	166990	0	5.706	N.D.	#
13)	MA	Dieldrin	23.10	26.75	41694	125151	1.698	6.279	#
15)	B	Endosulfan II	0.00	30.77	0	542431	N.D.	28.183	#
19)	B	Endosulfan Sulfa	0.00	33.21	0	367382	N.D.	25.653	#
20)	A	Methoxychlor	32.07	0.00	62154	0	12.381	N.D.	#
21)	B	Endrin Ketone	32.25	0.00	342427	0	16.233	N.D.	#
	Sum	Aroclor-1016			0	0	N.D.	N.D.	
	verage	Aroclor-1016					0.000	0.000	
28)	L2	Aroclor-1221{1}	0.00	8.29	0	19674	N.D.	40.641	#
	Sum	Aroclor-1221			0	19674	N.D.	40.641	
	verage	Aroclor-1221					0.000	40.641	
	Sum	Aroclor-1232			0	0	N.D.	N.D.	
	verage	Aroclor-1232					0.000	0.000	
	Sum	Aroclor-1242			0	0	N.D.	N.D.	
	verage	Aroclor-1242					0.000	0.000	
	Sum	Aroclor-1248			0	0	N.D.	N.D.	
	verage	Aroclor-1248					0.000	0.000	
46)	L6	Aroclor-1254{2}	20.28	22.51	166990	129140	89.839	139.195	#
47)	L6	Aroclor-1254{3}	20.82	23.54	299760	241517	119.244	199.308	#
48)	L6	Aroclor-1254{4}	23.75	26.37	120901	410941	51.849	1102.026	#
49)	L6	Aroclor-1254{5}	28.04	30.56	1809332	1264892	6008.190	1351.963	#

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

[illegible] 7/10/97

Quantitation Report (Not Reviewed)

Signal #1 : C:\HPCHEM\1\DATA\HA0176.D\ECD1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\HA0176.D\ECD2B.CH
Acq On : 5 Mar 97 22:31 Operator:
Sample : 2,4,5-TRICHLOROPHENOL 200 PPB Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:30 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Continuing Cal File: C:\HPCHEM\1\DATA\HA0153.D
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
	Sum Aroclor-1254			2396984	2046490	6269.122	2792.492	
	Average Aroclor-1254					1567.280	698.123	
50)	L7 Aroclor-1260{1}	24.83	27.21	1107229	701129	468.573	463.998	
51)	L7 Aroclor-1260{2}	25.59	28.54	1362943	980359	614.243	542.348	
52)	L7 Aroclor-1260{3}	30.42	30.56	910927	1264892	521.495	562.474	
53)	L7 Aroclor-1260{4}	31.08	32.60	2509760	1458218	704.474	584.199	
54)	L7 Aroclor-1260{5}	32.43	33.89	1721784	1174214	747.653	674.580	
	Sum Aroclor-1260			7612643	5578812	3056.438	2827.598	
	Average Aroclor-1260					611.288	565.520	
56)	L8 Toxaphene{2}	26.82	0.00	414341	0	676.922	N.D.	#
57)	L8 Toxaphene{3}	31.08	31.87	2509760	343044	4822.239	678.902	#
58)	L8 Toxaphene{4}	32.25	0.00	342427	0	797.687	N.D.	#
	Sum Toxaphene			3266528	343044	6296.848	678.902	
	Average Toxaphene					2098.949	678.902	

(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

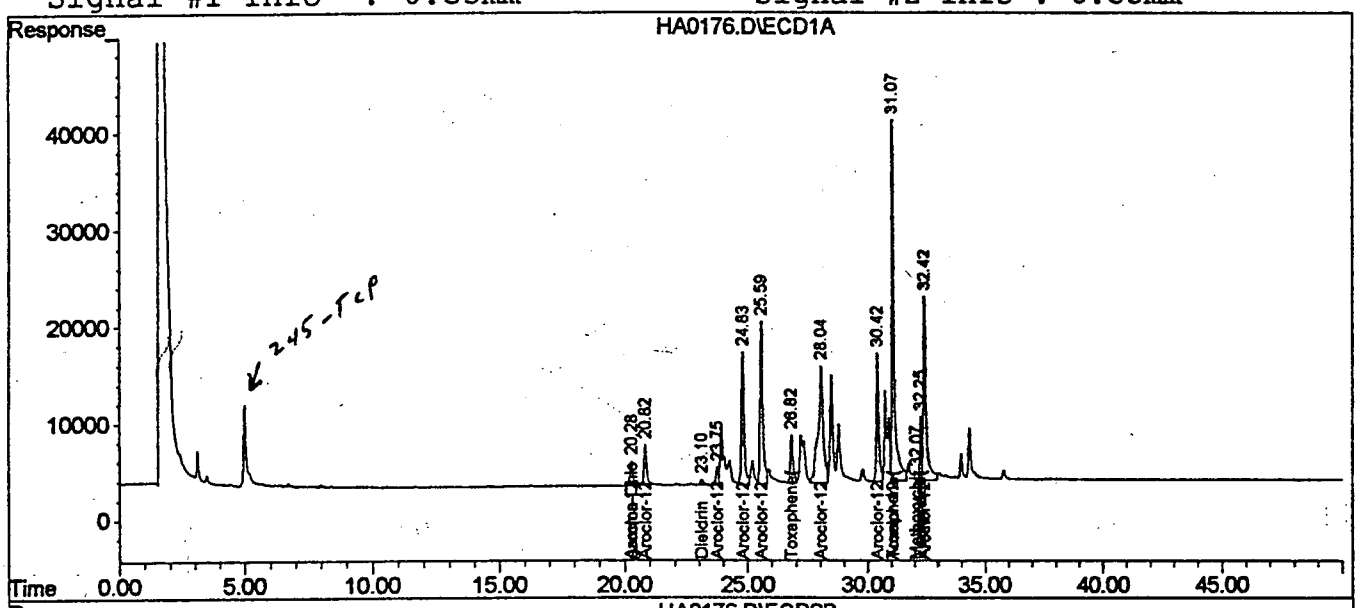
DNW 7/10/97

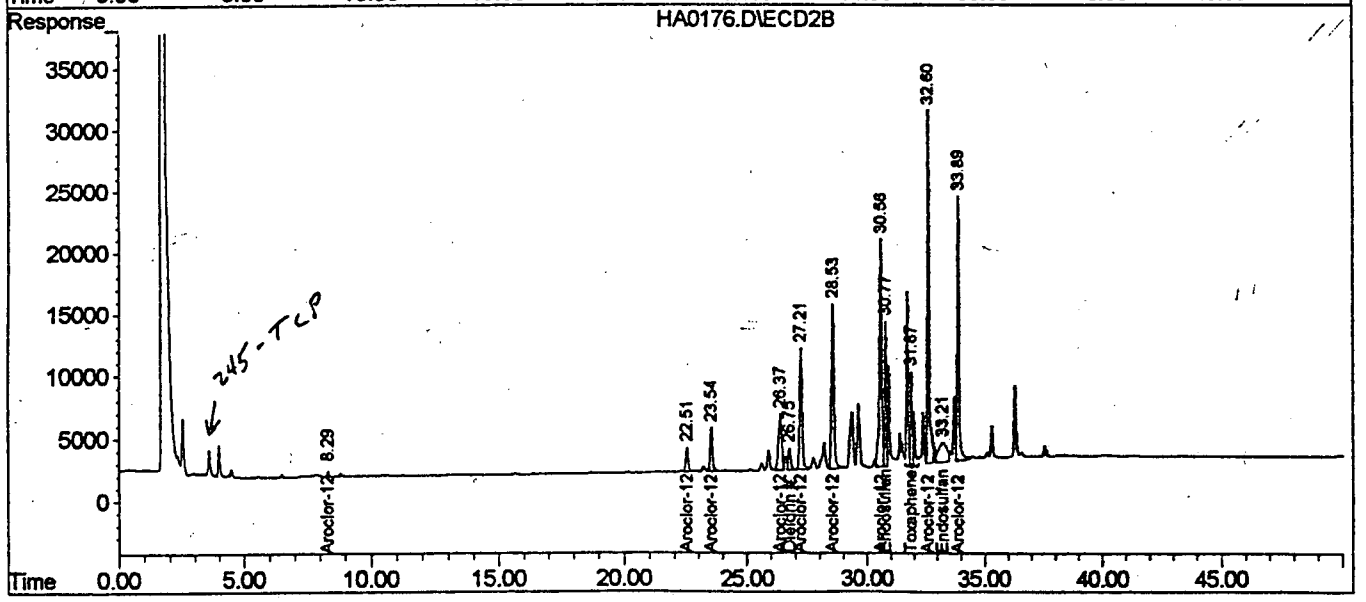
Quantitation Report

Signal #1 : C:\HPCHEM\1\DATA\HA0176.D\ECD1A.CH Vial: 35
Signal #2 : C:\HPCHEM\1\DATA\HA0176.D\ECD2B.CH
Acq On : 5 Mar 97 22:31 Operator:
Sample : 2,4,5-TRICHLOROPHENOL 200 PPB Inst : GC 5890-8
Misc : Multiplr: 1.00
IntFile Signal #1: EVENTS.E IntFile Signal #2: EVENTS2.E
Quant Time: Mar 6 7:30 1997 Quant Results File: CLPPEST.RES

Quant Method : C:\HPCHEM\1\METHODS\CLPPEST.M (Chemstation Integrator)
Title : CLPPEST-PCB / OLM03.1
Last Update : Wed Mar 05 12:54:42 1997
Response via : Single Level Calibration
DataAcq Meth : CLPPEST.M

Volume Inj. : 1
Signal #1 Phase : RTx-50 Signal #2 Phase: RTx-1701
Signal #1 Info : 0.53mm Signal #2 Info : 0.53mm





Industrial Corrosion Management
Sample Preparation Log

Description: PCB Soil (Clp)

Batch #: QPC 7615

	Sample #	Sample Wt. or Volume	Turn Around	Ml. Final	Date Ext.	Ext. Ini.	Date Conc.	Conc. Init.	% moist.	pH	Comments
	Q 7615 B	30.00	2	10ml	3/29	[illegible]	3/30	SW			
	286632 S	30.04							22.90	5.69	CO-12
	SD	30.03									
1	286621	30.00							18.19	6.18	CO-01
2	622	30.02							14.47	6.04	CO-02
3	623	30.02							16.06	6.92	CO-03
4	624	30.08							22.31	6.05	CO-04
5	625	30.07							17.43	5.91	CO-05
6	626	30.04							15.16	6.49	CO-06
7	627	30.06							20.91	6.53	CO-07
8	628	30.05							24.98	6.06	CO-08
9	629	30.09							25.05	6.38	CO-09
10	630	30.09							24.55	7.41	CO-10
11	631	30.07							22.30	7.63	CO-11
12	632	30.06							22.90	5.69	CO-12
13	633	30.07							23.03	5.59	CO-13
14											
15											
16											
17											
18											
19											
20											

Extract Status	Initials	Date
A		
B		
D		

	Milliliters added	Concentration	Standard Lot #
SURROGATE	2 mls	@ 0.2 µg	
SPIKE	1 ml	[illegible]	
SPIKE DUP.			

Relinquished By	Received By	Supervisor Signature	Date	Time	Reason
[illegible]	[illegible]	[illegible]	3/30/93		GC Assn

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 1 of 1

DATE 03 / 29 / 98 TIME 13 : 00 TO: DATE 04 / 05 / 98 TIME 13 : 00

ANALYST(S): [illegible] SUPERVISOR: [illegible] DATE ___/___/___

CALIBRATION DATE 03 / 30 / 98 CHECK STD ID 2-E-1-1

PROGRAM #	1	2 Bna	3 P/P
LOAD TIME (SEC)	20.00	20.00	20.00
PUMP TIME (MIN)	65:00	22:30	28:30
COLLECT TIME (MIN)		23:15	17:15
WASH TIME (MIN)		16:00	16:00

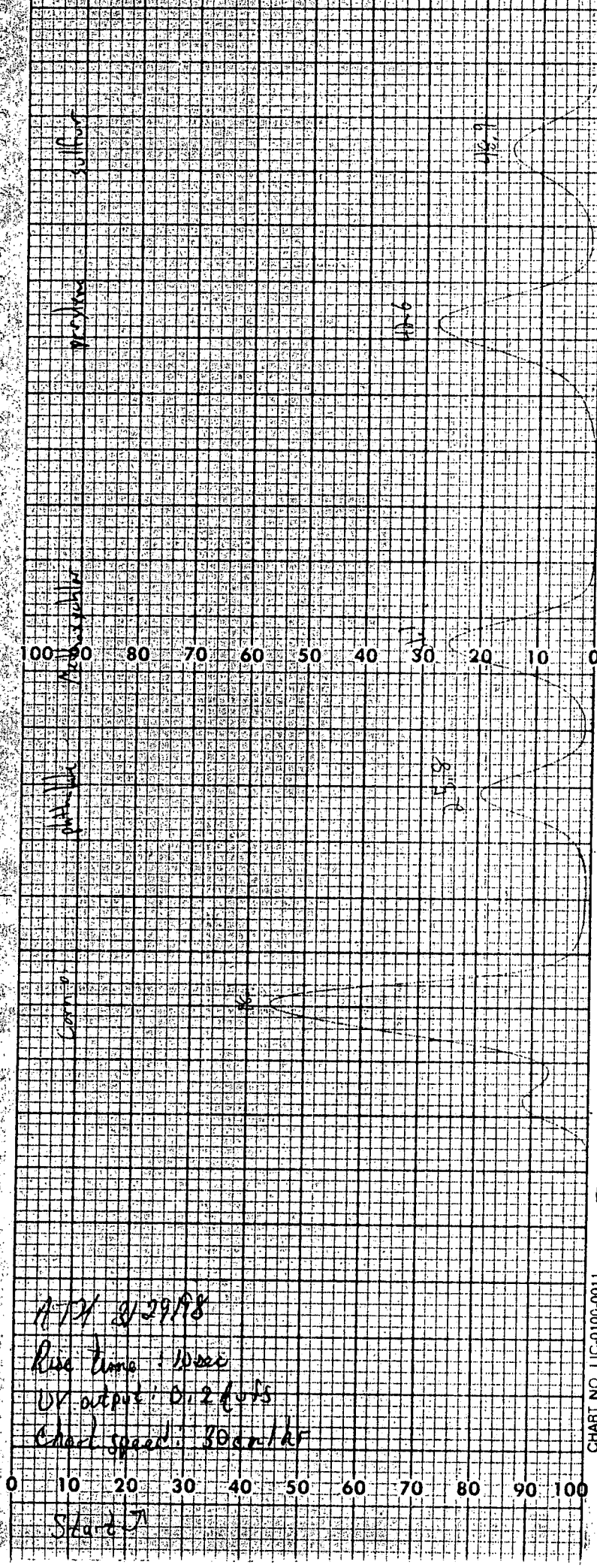
CALIBRATION CHECK

	LAST	NEW	%D
ml/10 min			
PSI			
CORN OIL-RT	19.6	18.1	
B-2EHP-RT	27.0	25.8	
MC-RT	31.9	31.1	
PERYL-RT	43.2	42.6	
SULFR-RT	49.3	48.9	

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
Blank	95ml	PCB	2	#3
Rl chk			3	
B chk			4	
Blank			5	
286632			6	
b			7	
286621			8	
622			9	
623			10	
624			11	
625			12	
626			13	

SAMPLE #	ml	BNA OR P/P	PORT #	PRGRM #
286627	95ml	PCB	14	#3
628			15	
629			16	
630			17	
631			18	
632			19	
633			20	

COMMENTS/REMARKS:



R-TH 8/29/78
Rise time: 10 sec
UV output: 0.2 fs
Chart speed: 30 cm/hr

Industrial Corrosion Management
GC Instrument Log

Instrument ID: 5890-8

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 3/27/98 to 3/26/98

Method Name: CLP_8.M

Sequence Name: 5890-8.S

GC Temp. Program:

Analyst: P.P.

Supervisor: M. Bauer

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Comments
RESC01	HA3571	3/27/98	22:52		1	
PEM01	3572	↓	23:46		2	
Ar166001	3573	3/25/98	00:40		3	
A.122101	3574		01:39		4	
Ar123201	3575		02:28		5	
A.124201	3576		03:22		6	
Ar124801	3577		04:16		7	
A.125401	3578		05:10		8	
Toxaphol	3579		06:03		9	
INDALO1	3580		06:58		10	
INDRL01	3581		07:52		11	
INDAM01	3582		08:45		12	
INDBM01	3583		09:39		13	
INDAH01	3584		10:33		14	
INDBH01	3585		11:27		15	
PIBLK01	3586		12:53		16	on
PEM02	3587		13:42		17	on
GPC Blank 3/11/98	3588		14:41		18	
PCB Check 3/11/98	3589		15:34		19	
PEST Check 3/11/98	3590		16:29		20	
QPC7585 Blank	3591		17:23		21	
QA/QC	3592		18:17		22	
Blank Spike	3593		19:11		23	
285252	3594		20:05		24	
285252S	3595		20:59		25	
285252SD	3596		21:53		26	
PIBLK02	3597	↓	23:54		27	
INDAM02	3598	3/26/98	00:48		28	
INDBM02	3599	↓	01:42		29	

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Instrument ID: 5890-8

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Volume Injected (µl): 2

Dates of Analysis: 3/26/98 to 3/30/98

Method Name: CLP.8.M

Sequence Name: 5890-8.S

GC Temp. Program:

Analyst: T.P.

Supervisor:

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Comments
PIBLK03	HA3600	3/26/98	16:55		1	
PEM03	3601		17:49		2	
QPC7602 Blank	3602		19:03		3	
Blank Spike	3603		19:57		4	
QA/QC	3604		20:51		5	Re-int
285748	3605		21:45		6	
285749	3606		22:39		7	
285750	3607		23:33		8	
285750S	3608	3/27/98	00:27		9	
285750SD	3609		01:21		10	
285751	3610		02:15		11	
285752	3611		03:09		12	
285753	3612		04:03		13	
285754	3613		04:57		14	Past 12h. Re-int
PIBLK04	3614		05:51		15	
INUAM03	3615		06:45		16	
INUBM03	3616		07:39		17	
A,1660 02	3617		08:33		18	
~~PIBLK05~~ 3/30/98						
QPC7602 284754	3618		16:38		19	
Blank Spike	3619		~~17:32~~ 17:32		20	
PIBLK05	3620		18:26		21	Rerun
PEM04	3621		19:20		22	
PIBLK06	3622	3/30/98	10:57		23	
PEM05	3623		11:51		24	
		3/31/98				

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Instrument ID: 5890-8

Volume Injected (µl): 2

Dates of Analysis: 4/3/18 to 4/4/18

Method Name: CLP8.M

Sequence Name: 5890-8.3

GC Temp. Program:

Analyst: [illegible]

Supervisor: [illegible]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Comments
PIBLK07	HA3624	4/3/18	18:16		1	on
PEM06	3625		19:10		2	on
GPC Blank	3626		20:04		3	
PCBT Check	3627		20:58		4	
PCB Check	3628		21:52		5	
QC7618 Blank	3629		22:46		6	
Blank Spike	3630		23:40		7	
QA/QC	3631	4/4/18	00:34		8	
286752	3632		01:28		9	1260 Re-extract
286746	3633		02:22		10	
286747	3634		03:16		11	DL 1:2 1254+1260
286748	3635		04:10		12	1260
286750	3636		05:04		13	1:60
PIOLN08 ~~286749~~	3637		05:58		1	on
INDAM04	3638		06:52		14	on
INDBM04	3639		07:46		15	on
QC7618 286749	3640		08:40		16	1260 DL 1:2
286744	3641		09:34		17	1260
286744 S	3642		10:28		18	1260
286744 SD	3643		11:22		19	1260
286745	3644		12:16		20	1260 DL 1:5
286742	3645		13:10		21	1260
286751	3646		14:10		22	1260 DL 1:10
286743	3647		14:58		23	1254+1260 DL 1:10
286741	3648		15:52		24	1254+1260 DL 1:10
PIBLK09	3649		20:44		1	on
PEM07	3650		21:38		2	on
~~PIBLK10~~	~~3651~~	~~4/5/18~~				
PEM08	~~3652~~	4/5/18			1	
QC7618 ~~286747 1:2~~	3653				2	
286749 1:2	3654			2	3	
~~286745 1:5~~	3655			3	4	
				5	5	

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Instrument ID: 5890-8

Volume Injected (µl): 2

Dates of Analysis: 4/5/18 to 4/7/18

Method Name: CLP_8.m

Sequence Name: 5890-8.3

GC Temp. Program:

Analyst:

Supervisor:

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Comments
~~OPC7618 286751 1:10~~	~~HA3656~~	~~4/5/18~~		~~10~~	~~6~~	
286743 1:10	~~3657~~					
~~286741 1:10~~	3658			10	7	
~~PEB~~				10	8	
PIBLK 10	HA3651	4/5/18	17:00			
PEM 08	3652		17:54		1	on
A-166003	3653		18:48		2	on
A-R5402	3654		19:42		3	on
OPC7618 286747 1:2	3655		20:36		4	on
286749 1:2	3656		21:31	2	5	1160 x 1154
286745 1:5	3657		22:25	2	6	1260
286751 1:10	3658		23:19	5	7	1160
286743 1:10	3659	4/6/18	00:13	10	8	1260
286741 1:10	3660		01:07	10	9	1154 x 1260
PIBLK 11	3661		03:48	10	10	1154 x 1260
INDAM05	3662		04:42		1	on
INDBM05	3663		05:36		11	on
PIBLK12	3664	4/6/18	15:46		12	on
PEM09	3665		16:40		1	
GPC Blank	3666		17:34		2	
Pest check	3667		18:28		3	
PCB check	3668		19:22		4	
OPC7623 Blank	3669		20:16		5	
Blank Spike	3670		21:10		6	
QA/QC	3671		22:04		7	
286069	3672		22:58		8	
286066	3673		23:52		8	1160
286066 Spike	3674	4/7/18	00:46		10	DL 1:2 1160
286066 Spike Dup	3675		01:40		11	1160
286067	3676		02:34		12	1160
286068	3677		03:28		13	1160
PIBLK13	3678		04:22		14	DL 1:5 1160
					1	

Industrial Corrosion Management
GC Instrument Log

Column Channel 1: RTX-50
Column Channel 2: RTX-1701

Instrument ID: 5890-8

Volume Injected (µl): 2

Dates of Analysis: 4/7/18 to 4/9/18

Method Name: CCP-8.m

Sequence Name: 5890-8.S

GC Temp. Program:

Analyst: [illegible]

Supervisor: [illegible]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Comments
INDAM06	HA 3679	4/7/18	05:16		15	on
INDBM06	3680		06:10		16	on
PIBLK14	3681		17:48		1	on
PEM10	3682		18:42		2	on
~~PEM7~~ 6PCBlank	3683		19:36		3	
Pest Check	3684		20:30		4	
PCB Check	3685		21:24		5	
QPC7615 Blank	3686		22:18		6	
Blank Spike	3687		23:12		7	
QA/QC	3688	4/8/18	00:06		8	
QPC7623 286066 1:2	3689		01:00		9	1260
286068 1:5	3690		01:54		10	1260
QPC7618 286752	3691		02:48		11	1260
QPC7615 286622	3692		03:42		12	CO-02
286623	3693		04:36		13	CO-03
286624	3694		05:30		14	~~1254~~ ~~1260~~ ~~1254~~ 1260 CO-04
PIBLK15	3695		12:39		1	on
~~INDAM07~~	~~3696~~				~~15~~	
~~INDBM07~~	~~3697~~				~~16~~	
PEM11	3696		13:33		15	on
QPC7615 286625	3697		14:27		16	~~1260~~ ~~1254~~ CO-05
286626	3698		15:22		17	CO-06
286627	3699		16:16		18	1260 CO-07
286628	3700		17:10		19	1260 CO-08
286629	3701		18:04		20	CO-09
286630	3702		18:58		21	CO-10
286631	3703		19:52		22	CO-11
286632	3704		20:46		23	CO-12
286632 Spike	3705		21:39		24	CO-12
286632 Spike Dup	3706		23:33		25	
PIBLK16	3707	4/9/18	04:21		1	on
INDAM07	3708		05:15		26	on

PC_GC_5: C:\EXCEL\INJLOG.XLS

Industrial Corrosion Management
GC Instrument Log

Column Channel 1: RTx-50
Column Channel 2: RTx-1701

Instrument ID: 5890-8

Volume Injected (µl): 2

Dates of Analysis: 4/9/18 to _____

Method Name: CLP-8,M ~~2080-2.M~~ 7/25/12

Sequence Name: 58908-83 ~~5890-2.5~~ 7/27/12

GC Temp. Program: _____

Analyst: Z. P.

Supervisor: [signature]

Sample Name	Datafile Name	Date of Analysis	Time of Analysis	Dilution Factor	ALS #	Comments
INDBA07	HA3709	4/9/18	06:09		27	on
6DC7615 286633	3710		07:03		28	CO-13
↓ 286621	3711		07:57		29	CO-01
Ar166004	3712		12:22		30	
Ar125403	3713		13:16		31	
PIBLK17	3714		18:04		32	
PEM12	3715	↓	18:58		33	

MOISTURE LOG

TECH SIG. A T Thalman SUPV. SIG. A T Thalman

INIT.	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1	WEIGHT 2	WEIGHT 3	MOIST. %
		~~286221~~	12				
		~~286224~~	13				
		~~286227~~	14				
		~~286230~~	15				
		~~286233~~	16				
		~~286236~~	17				
		~~285935~~	18				
ATT		286625	19	1.29	11.33	9.58	17.43
		286626	20	1.28	11.37	9.84	15.16
		286626 DUP	21	1.29	11.33	9.93	13.94
		286627	22	1.30	11.39	9.28	20.91
		286632	23	1.30	11.30	9.01	22.90
		286633	24	1.30	11.33	9.02	23.03
		286631	25	1.30	11.30	9.07	22.30
		286630	26	1.28	11.34	8.87	24.55
		286624	27	1.29	11.33	9.09	22.31
		286623	28	1.28	11.43	9.80	16.06
		286622	29	1.30	11.32	9.87	14.47
		286629	30	1.30	11.32	8.81	25.05
		286629 DUP	31	1.28	11.29	8.88	24.08

MOISTURE LOG

TECH SIG. N.W. SUPV. SIG. [illegible]

INIT.	DATE	SAMPLE NO.	TIN NO.	WEIGHT 1	WEIGHT 2	WEIGHT 3	MOIST. %
		286628	32	1.28 ~~286628~~	11.41	8.88	24.98
		286621	33	1.30 ~~286621~~	11.36	9.53	18.19
		286330	34	1.30 ~~286330~~	11.37	9.94	14.20
NW	3-31-98	~~286473~~ Blank	1	1.27	—	1.27	—
		286473	2	1.30	10.23	9.35	9.85
		286474	3	1.29	10.33	9.31	11.28
		286475	4	1.29	10.37	9.88	5.40
		286476	5	1.29	10.32	9.76	6.20
		286477	6	1.30	10.37	9.81	6.17
		286478	7	1.29	10.29	10.15	1.56
		286479	8	1.30	10.16	9.55	6.88
		286480	9	1.27	10.45	8.14	25.16
		286481	10	1.27	10.41	9.73	7.44
		286482	11	1.29	10.29	9.23	11.78
		286482 Dup	12	1.30	10.28	9.12	12.92
		286483	13	1.30	10.35	10.10	2.76
		286484	14	1.29	10.21	8.14	23.21
		286485	15	1.30	10.29	7.92	26.36
		286486	16	1.29	10.18	9.59	6.64
		286487	17	1.27	10.23	9.75	5.36

K T Harper

Date	Sample	Soil	H_2O	Comments	Initials	pH
4/1/98	286741	yes	no	Bnc / PCB	KTH	5.69
	742					5.48
	743					6.11
	744					5.86
	745					5.74
	746					5.88
	747					5.32
	748					5.49
	749					5.88
	750					6.09
	751					6.32
	752					6.10
4/1/98	286066	yes	no	Bnc / PCB	KTH	5.42
	067					5.26
	068					5.38
	069					5.82
	070					5.65
	071					5.66
	072					5.82
4/2/98	286621	yes	no	PCB	KTH	6.18
	622					6.04
	623					6.92
	624					6.05
	625					5.91
	626					6.49
	627					6.53
	628					6.06
	629					6.38
	630					7.41
	631					7.63

A T Hanlesa

001 14

Date	Sample ID	Soil	H_2O	Comments	Tribials	pH
4/1	286632	~~yes~~	no	PCB	474	5.69
↓	↓ 633	yes	no	↓	↓	5.59