Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030724\
Data File : PL088434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2024 09:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 07 21:46:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL021524.M
Quant Title : GC Extractables
QLast Update : Fri Feb 16 21:46:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
1)	SA	Tetrachlo...	3.636	2.854	57582281	28847432	20.964	20.568	
28)	SA	Decachlor...	9.305	8.085	48411261	28805828	25.137	22.623	
		Target Compounds							
2)	A	alpha-BHC	4.100	3.368	39895903	19032973	9.558	9.263	
3)	MA	gamma-BHC...	4.439	3.705	38792148	18506278	9.579	9.241	
4)	MA	Heptachlor	0.000	4.075f	0	39291	N.D.	0.022	#
5)	MB	Aldrin	0.000	4.347	0	140017	N.D.	0.072	#
6)	B	beta-BHC	4.636	4.007	19163024	9575648	11.003	10.758	
7)	B	delta-BHC	0.000	4.241	0	61128	N.D.	0.031	#
8)	B	Heptachlo...	0.000	4.825f	0	11944	N.D.	0.007	#
9)	A	Endosulfan I	0.000	5.231	0	40526	N.D.	0.025	#
10)	B	gamma-Chl...	0.000	5.111	0	404407	N.D.	0.227	#
11)	B	alpha-Chl...	0.000	5.182	0	23688	N.D.	0.013	#
12)	B	4,4'-DDE	0.000	5.363	0	245518	N.D.	0.154	#
13)	MA	Dieldrin	6.511f	5.510	712844	-29769	0.217	N.D.	#
14)	MA	Endrin	6.720	5.774	127.0E6	75687279	48.816	50.622	
15)	B	Endosulfa...	6.958f	6.088f	2982158	815931	1.041	0.536	#
16)	A	4,4'-DDD	6.855	5.924	4876125	1658792	1.880	1.214	#
17)	MA	4,4'-DDT	7.174	6.179	264.6E6	157.9E6	100.630	115.662	
18)	B	Endrin al...	7.073	6.255	2857757	2099831	1.382	1.923	#
19)	B	Endosulfa...	0.000	6.487	0	17010	N.D.	0.012	#
20)	A	Methoxychlor	7.655	6.763	343.7E6	200.2E6	259.681	255.441	
21)	B	Endrin ke...	7.801	6.991	6882776	4990667	2.457	2.981	
22)		Mirex	8.305f	7.197f	135108	164318	0.058	0.125	#
23)		Chlordane-1	0.000	3.864	0	3931	N.D.	0.076	#
24)		Chlordane-2	0.000	4.470	0	40435	N.D.	0.636	#
25)		Chlordane-3	0.000	5.111	0	404407	N.D.	2.172	#
26)		Chlordane-4	0.000	5.182	0	23688	N.D.	0.137	#
27)		Chlordane-5	0.000	5.877f	0	285443	N.D.	5.396	#

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

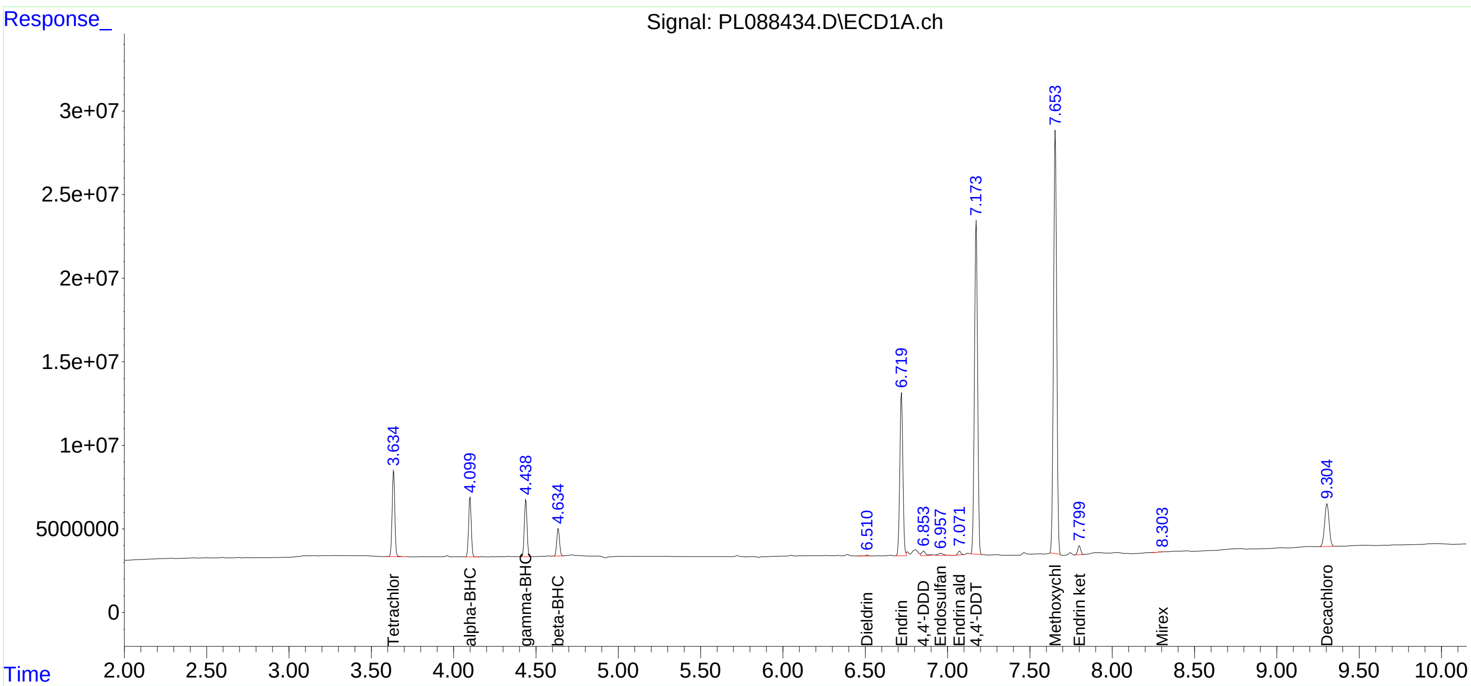
Quantitation Report (Not Reviewed)

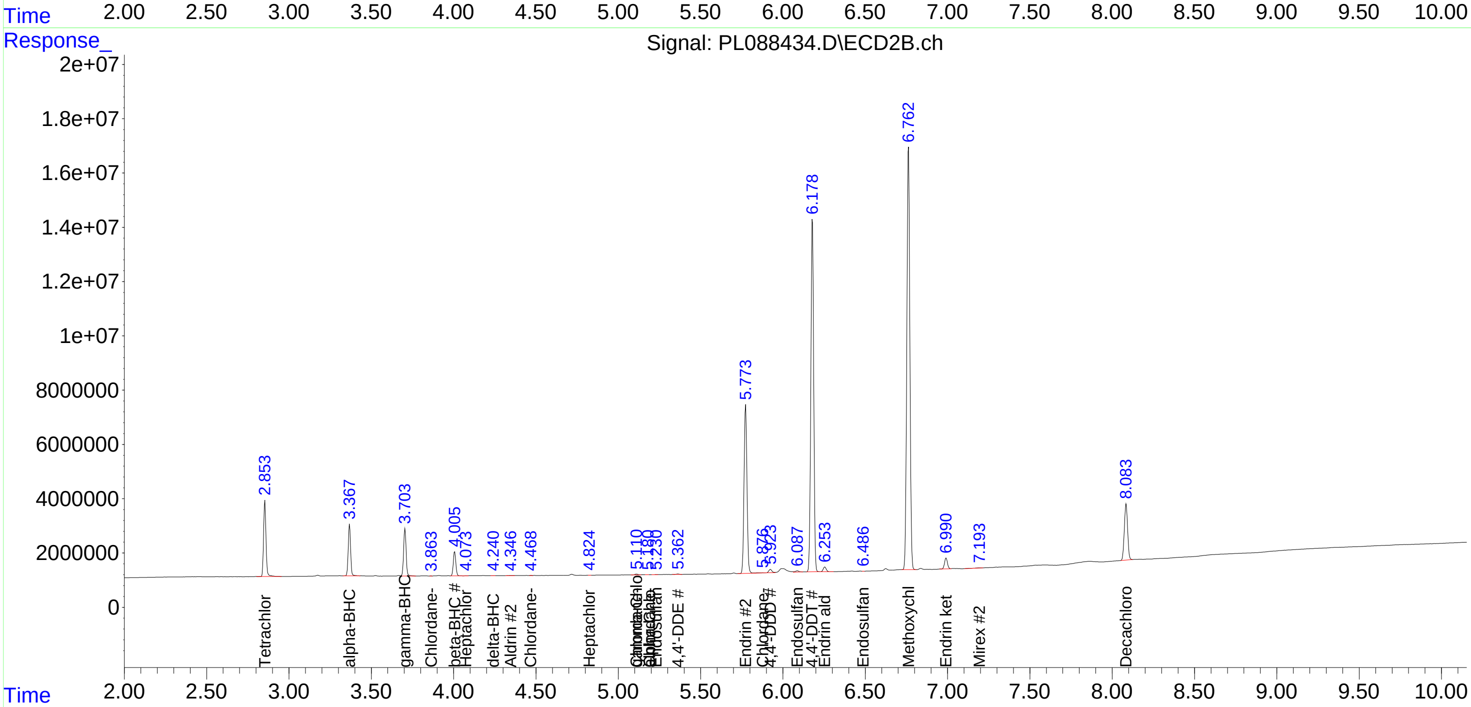
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL030724\
Data File : PL088434.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Mar 2024 09:26
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

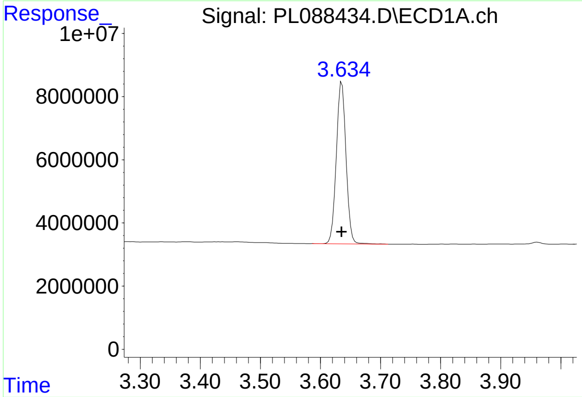
Instrument :
ECD_L
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 07 21:46:51 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL021524.M
Quant Title : GC Extractables
QLast Update : Fri Feb 16 21:46:54 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

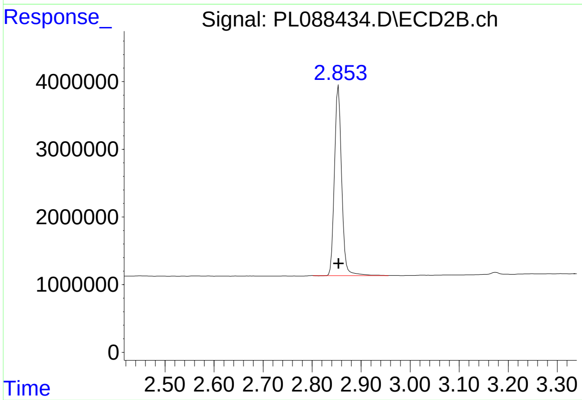




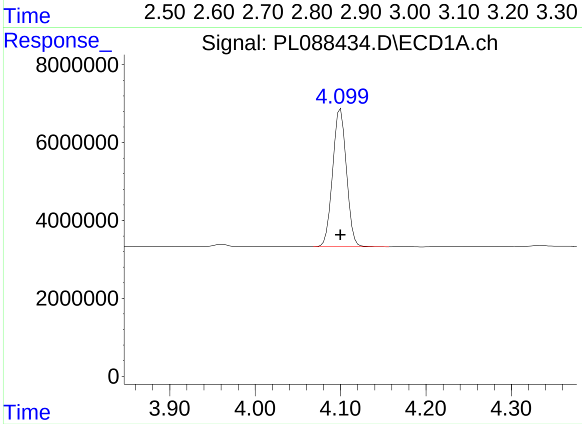



```
#1   Tetrachloro-m-xylene

       R.T.:     3.636 min
Delta R.T.:     0.000 min
   Response:   57582281
       Conc:   20.96 ng/ml
```

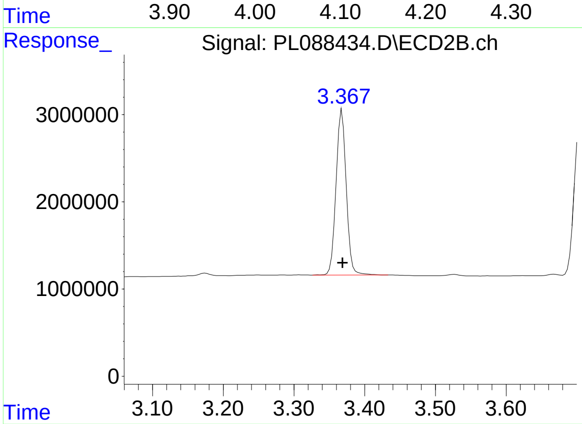
Instrument :
ECD_L
ClientSampleId :
PEM



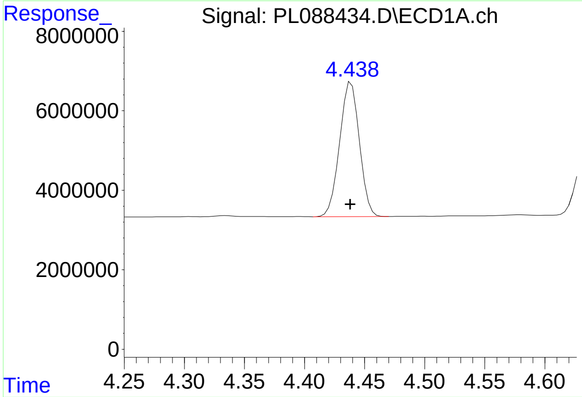

```
#1   Tetrachloro-m-xylene

       R.T.:     2.854 min
Delta R.T.:     0.000 min
   Response:   28847432
       Conc:   20.57 ng/ml
```




```
#2   alpha-BHC

       R.T.:     4.100 min
Delta R.T.:     0.000 min
   Response:   39895903
       Conc:    9.56 ng/ml
```



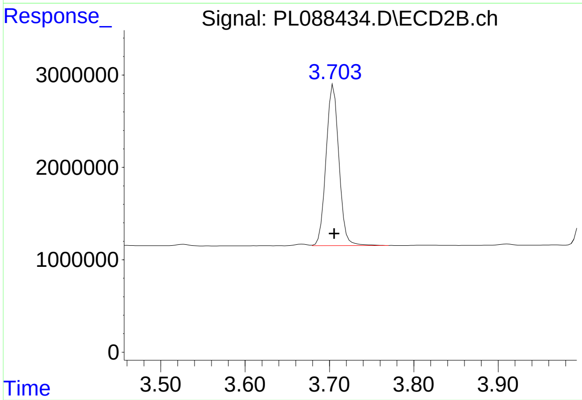

```
#2   alpha-BHC

       R.T.:     3.368 min
Delta R.T.:     0.000 min
   Response:   19032973
       Conc:    9.26 ng/ml
```



#3 gamma-BHC (Lindane)

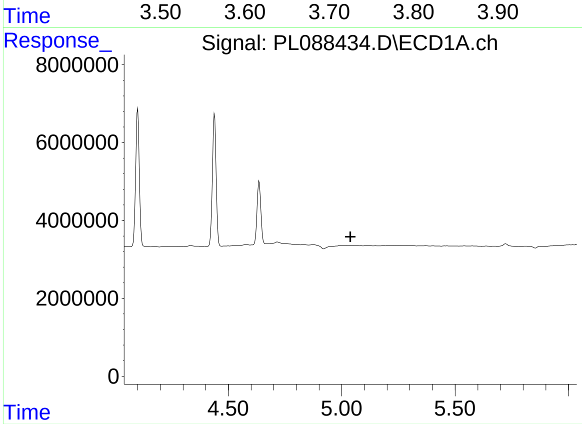
R.T.: 4.439 min
Delta R.T.: 0.000 min
Response: 38792148
Conc: 9.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



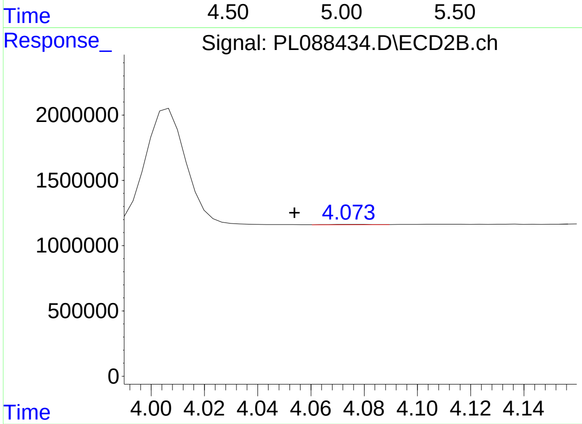
#3 gamma-BHC (Lindane)

R.T.: 3.705 min
Delta R.T.: 0.000 min
Response: 18506278
Conc: 9.24 ng/ml



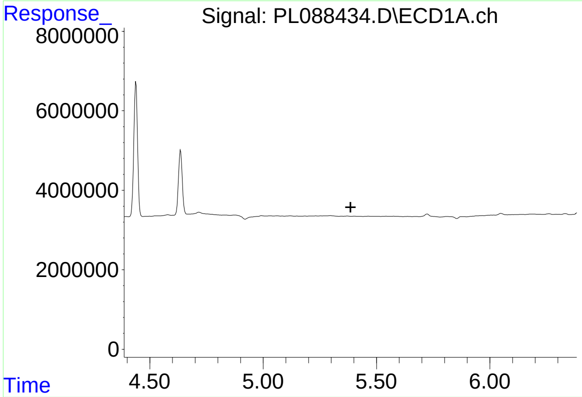
#4 Heptachlor

R.T.: 0.000 min
Exp R.T. : 5.038 min
Response: 0
Conc: N.D.



#4 Heptachlor

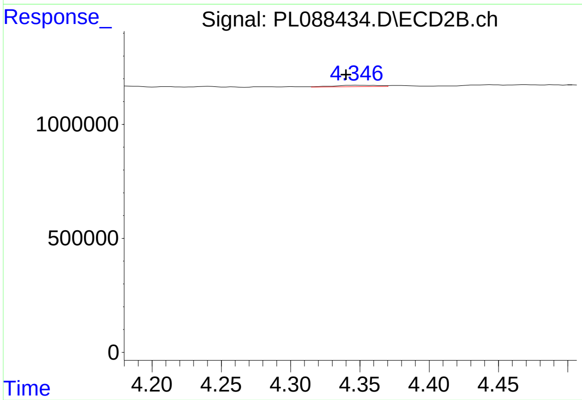
R.T.: 4.075 min
Delta R.T.: 0.021 min
Response: 39291
Conc: 0.02 ng/ml



#5 Aldrin

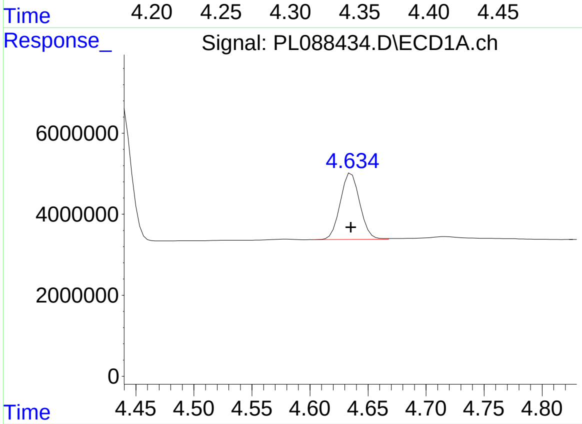
R.T.: 0.000 min
Exp R.T. : 5.386 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



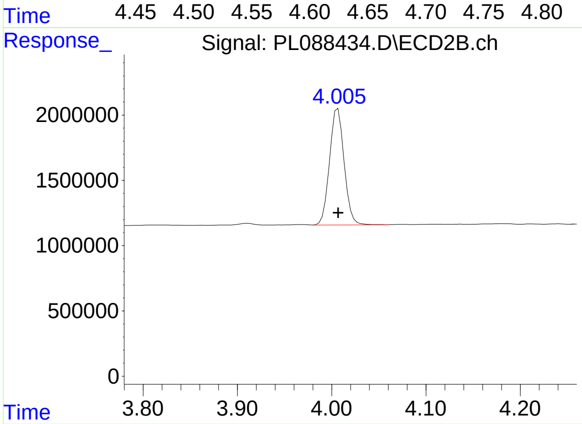
#5 Aldrin

R.T.: 4.347 min
Delta R.T.: 0.007 min
Response: 140017
Conc: 0.07 ng/ml



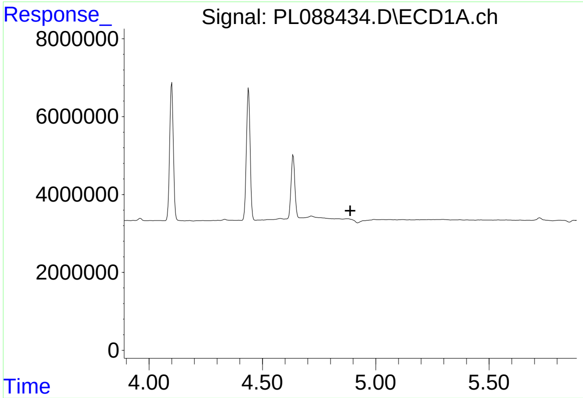
#6 beta-BHC

R.T.: 4.636 min
Delta R.T.: 0.000 min
Response: 19163024
Conc: 11.00 ng/ml



#6 beta-BHC

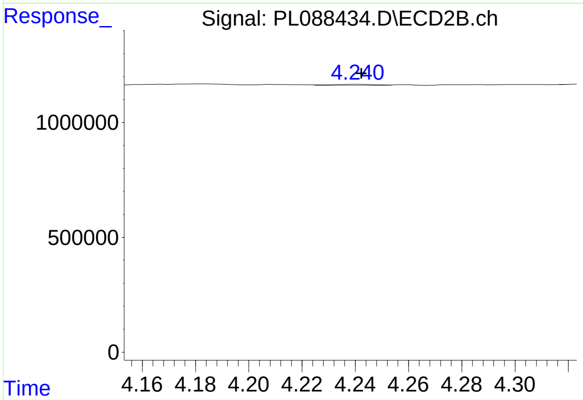
R.T.: 4.007 min
Delta R.T.: 0.000 min
Response: 9575648
Conc: 10.76 ng/ml



#7 delta-BHC

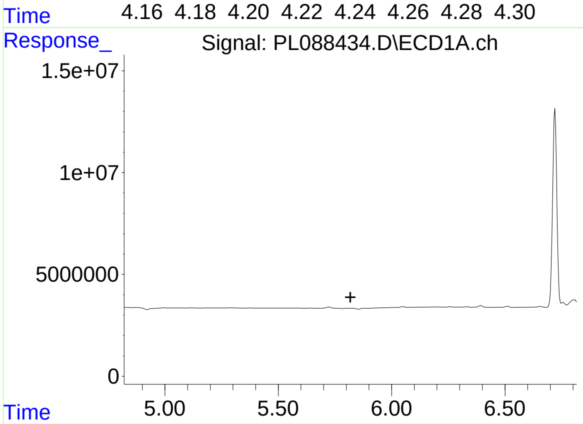
```
     R.T.:    0.000 min
Exp R.T.  :   4.887 min
  Response:         0
     Conc:   N.D.
```

Instrument :
ECD_L
ClientSampleId :
PEM



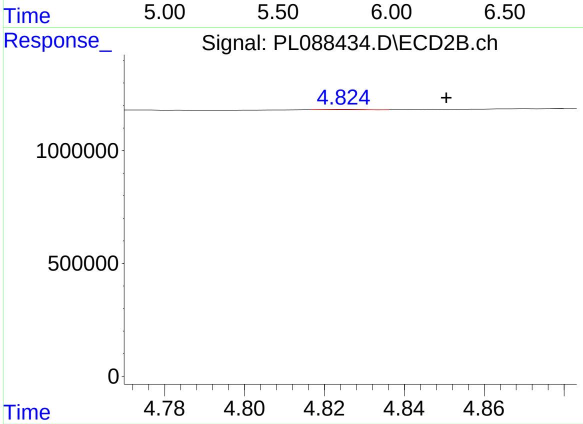
#7 delta-BHC

```
       R.T.:    4.241 min
Delta R.T.:    0.000 min
   Response:     61128
       Conc:   0.03 ng/ml
```



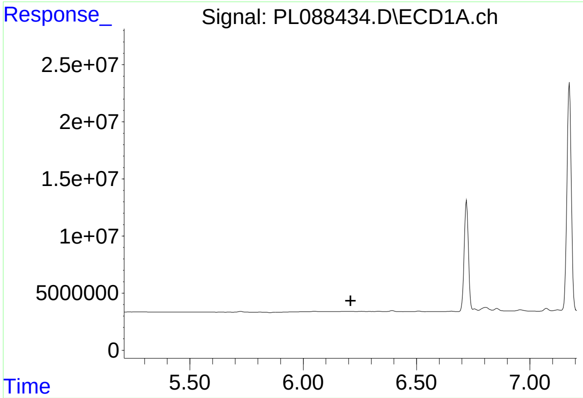
#8 Heptachlor epoxide

```
     R.T.:    0.000 min
Exp R.T.  :   5.818 min
  Response:         0
     Conc:   N.D.
```



#8 Heptachlor epoxide

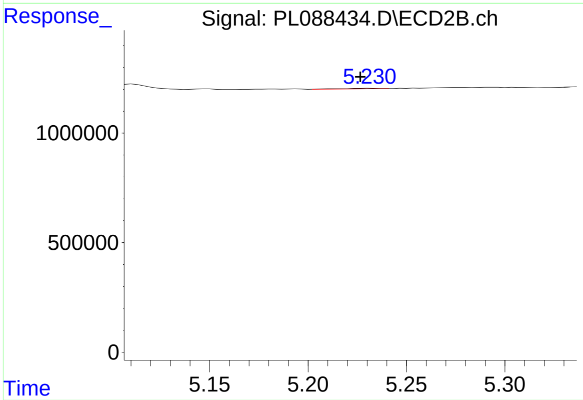
```
       R.T.:    4.825 min
Delta R.T.:   -0.025 min
   Response:     11944
       Conc:   0.01 ng/ml
```



#9 Endosulfan I

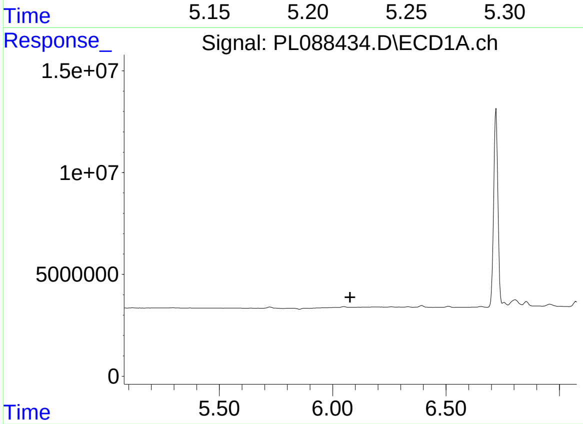
R.T.: 0.000 min
Exp R.T. : 6.209 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



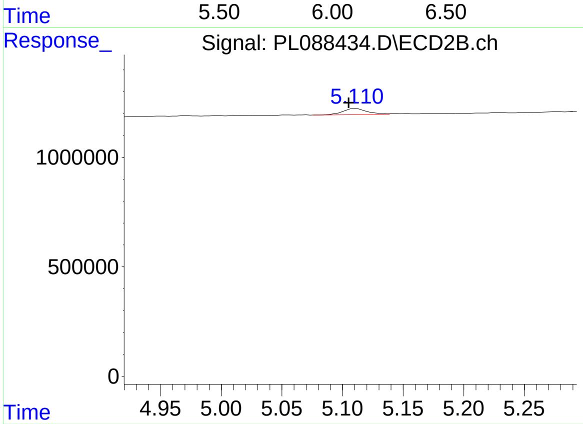
#9 Endosulfan I

R.T.: 5.231 min
Delta R.T.: 0.005 min
Response: 40526
Conc: 0.03 ng/ml



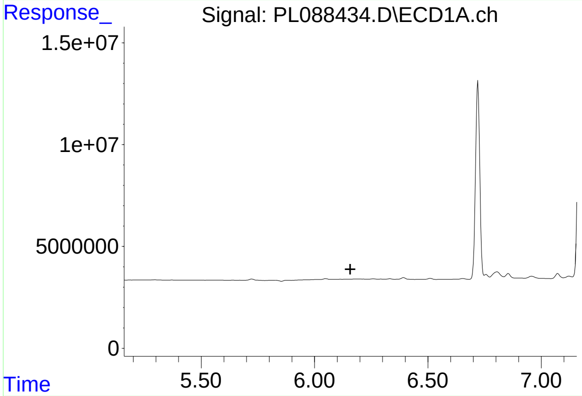
#10 gamma-Chlordane

R.T.: 0.000 min
Exp R.T. : 6.077 min
Response: 0
Conc: N.D.



#10 gamma-Chlordane

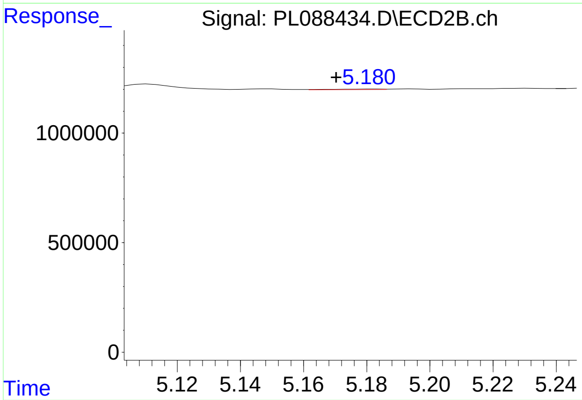
R.T.: 5.111 min
Delta R.T.: 0.006 min
Response: 404407
Conc: 0.23 ng/ml



#11 alpha-Chlordane

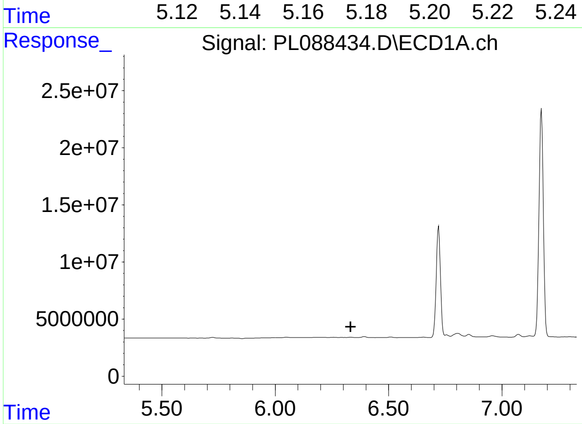
R.T.:	0.000 min
Exp R.T. :	6.158 min
Response:	0
Conc:	N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



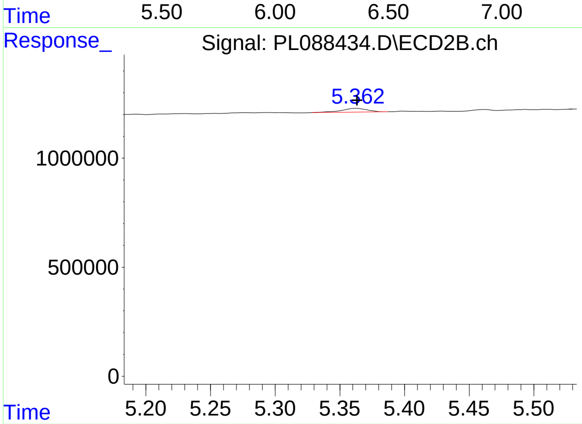
#11 alpha-Chlordane

R.T.:	5.182 min
Delta R.T.:	0.012 min
Response:	23688
Conc:	0.01 ng/ml



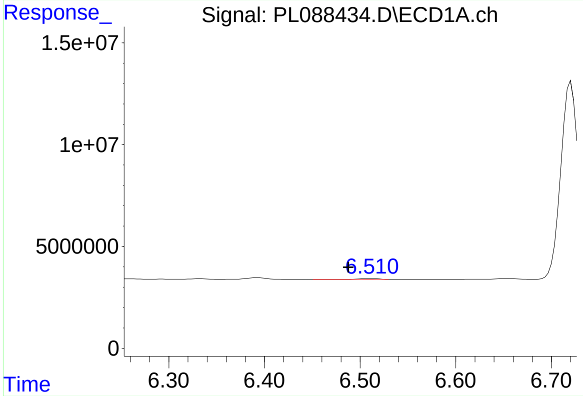
#12 4,4'-DDE

R.T.:	0.000 min
Exp R.T. :	6.332 min
Response:	0
Conc:	N.D.



#12 4,4'-DDE

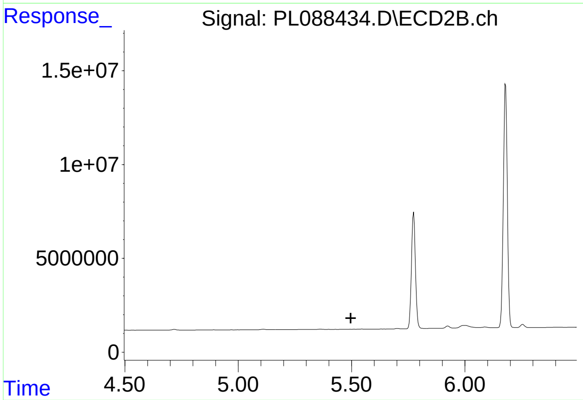
R.T.:	5.363 min
Delta R.T.:	0.000 min
Response:	245518
Conc:	0.15 ng/ml



#13 Dieldrin

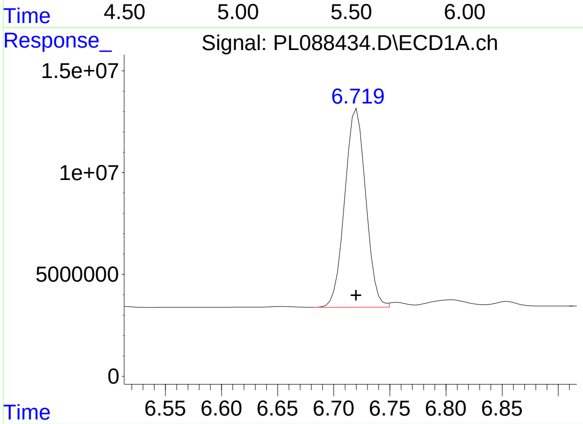
R.T.: 6.511 min
Delta R.T.: 0.023 min
Response: 712844
Conc: 0.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



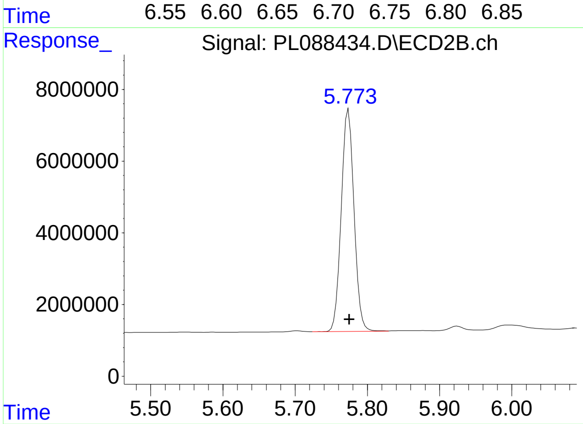
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.014 min
Response: -29769
Conc: N.D.



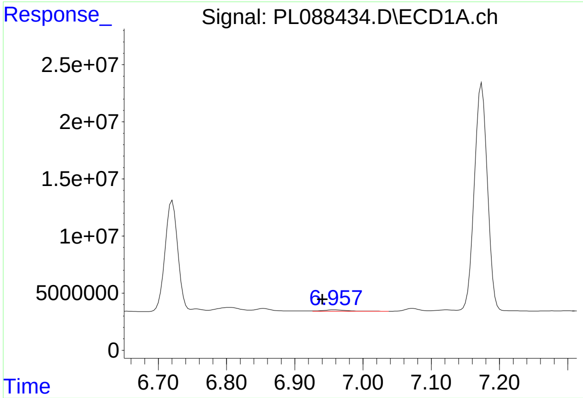
#14 Endrin

R.T.: 6.720 min
Delta R.T.: 0.000 min
Response: 126952118
Conc: 48.82 ng/ml



#14 Endrin

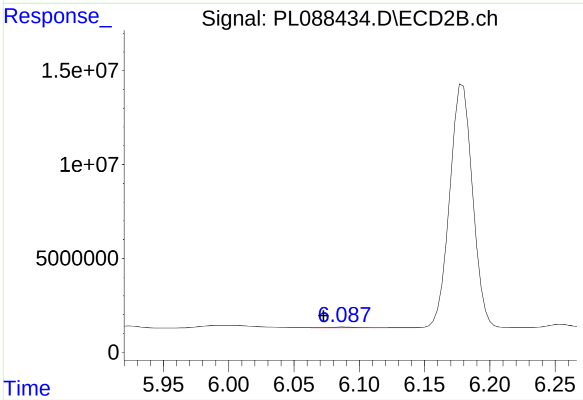
R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 75687279
Conc: 50.62 ng/ml



#15 Endosulfan II

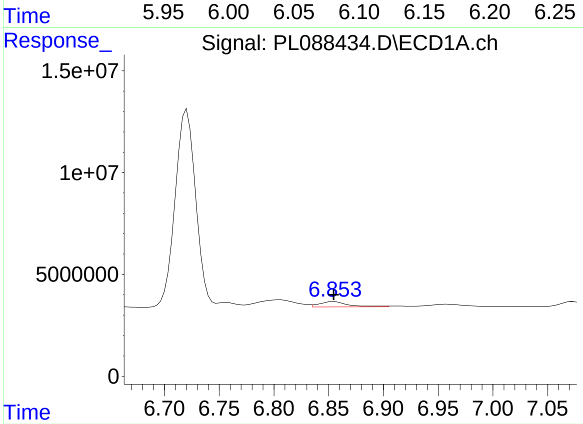
R.T.: 6.958 min
Delta R.T.: 0.017 min
Response: 2982158
Conc: 1.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



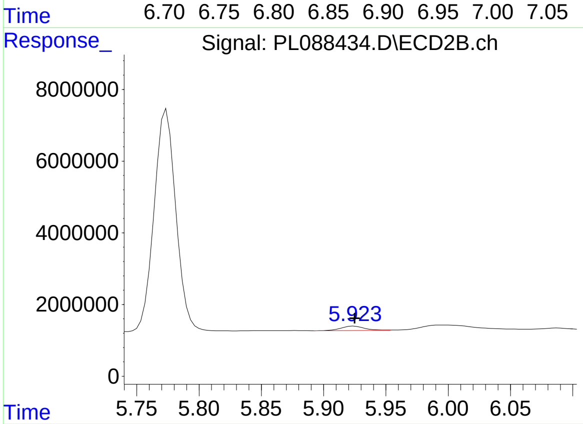
#15 Endosulfan II

R.T.: 6.088 min
Delta R.T.: 0.016 min
Response: 815931
Conc: 0.54 ng/ml



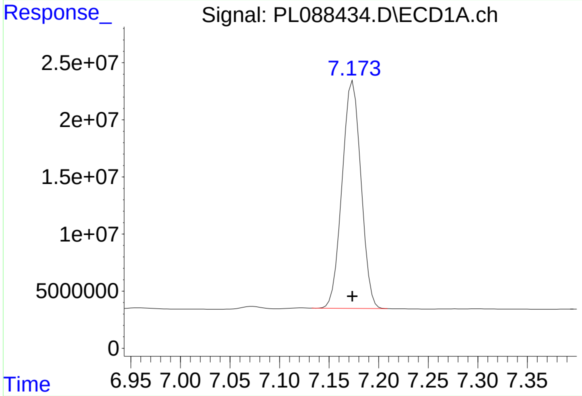
#16 4,4'-DDD

R.T.: 6.855 min
Delta R.T.: 0.000 min
Response: 4876125
Conc: 1.88 ng/ml



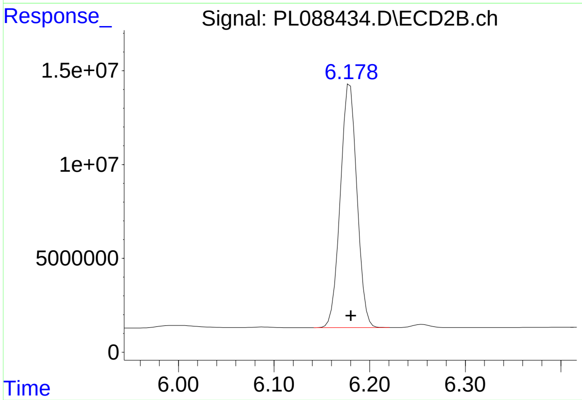
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1658792
Conc: 1.21 ng/ml

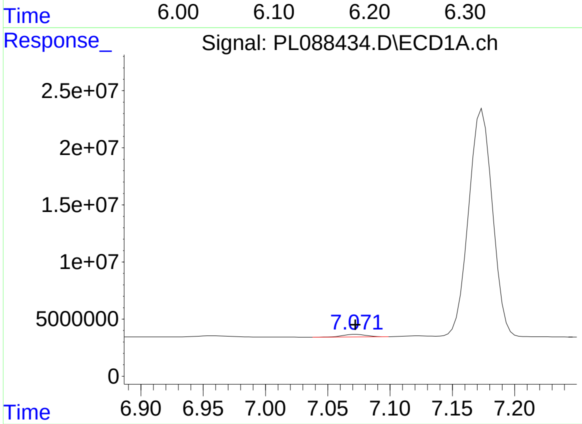



```
#17  4,4'-DDT

      R.T.:    7.174 min
Delta R.T.:    0.000 min
  Response: 264576886
      Conc: 100.63 ng/ml
```

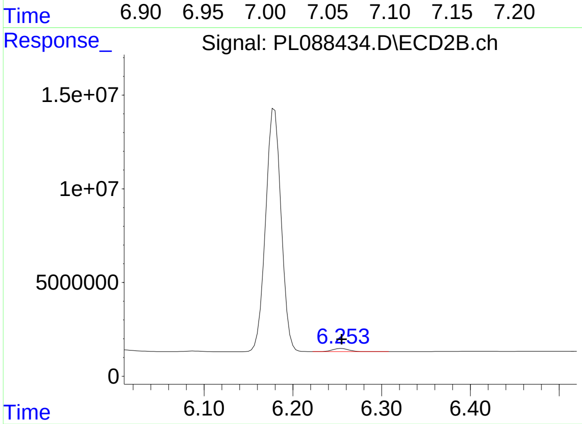
Instrument :
ECD_L
ClientSampleId :
PEM



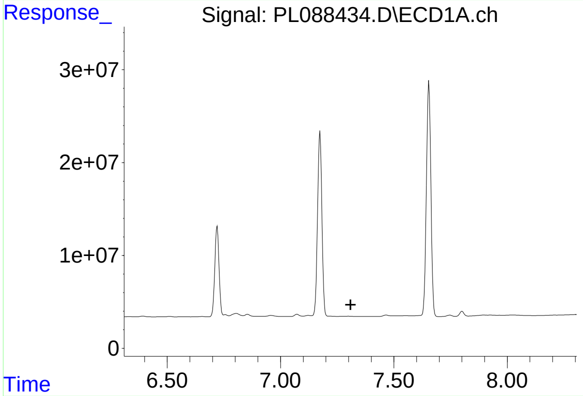

```
#17  4,4'-DDT

      R.T.:    6.179 min
Delta R.T.:   -0.001 min
  Response: 157905503
      Conc: 115.66 ng/ml
```




```
#18  Endrin aldehyde

      R.T.:    7.073 min
Delta R.T.:    0.000 min
  Response:   2857757
      Conc:   1.38 ng/ml
```



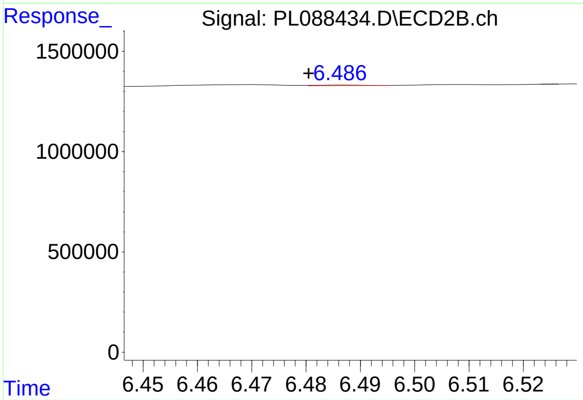

```
#18  Endrin aldehyde

      R.T.:    6.255 min
Delta R.T.:    0.000 min
  Response:   2099831
      Conc:   1.92 ng/ml
```



#19 Endosulfan Sulfate

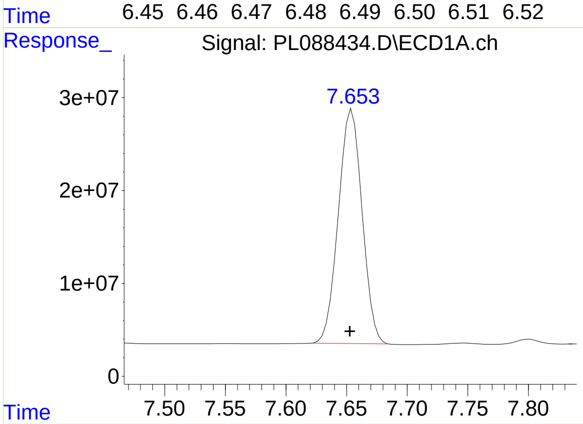
R.T.: 0.000 min
Exp R.T. : 7.309 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



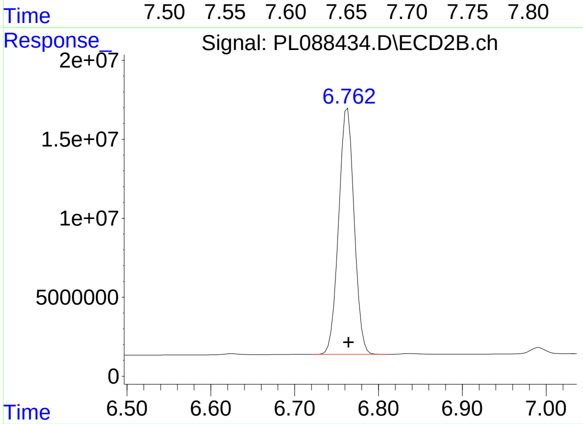
#19 Endosulfan Sulfate

R.T.: 6.487 min
Delta R.T.: 0.007 min
Response: 17010
Conc: 0.01 ng/ml



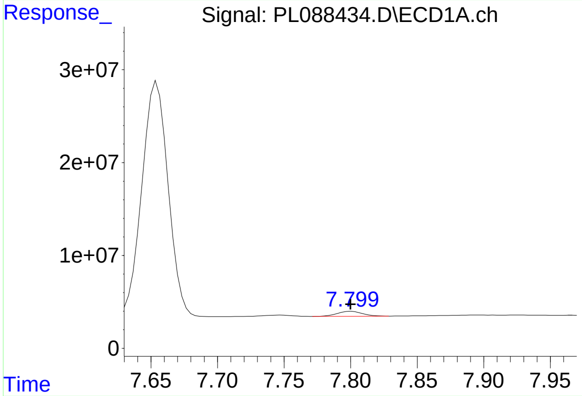
#20 Methoxychlor

R.T.: 7.655 min
Delta R.T.: 0.002 min
Response: 343742905
Conc: 259.68 ng/ml



#20 Methoxychlor

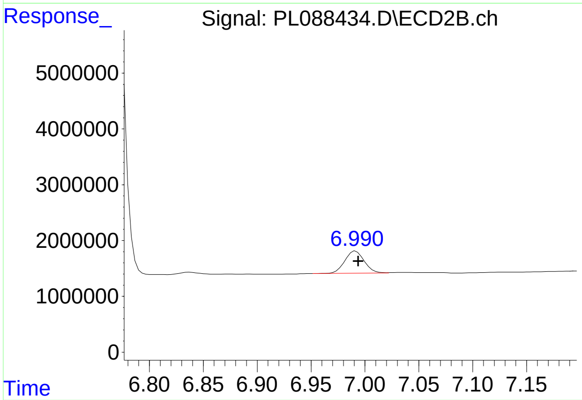
R.T.: 6.763 min
Delta R.T.: 0.000 min
Response: 200203600
Conc: 255.44 ng/ml



#21 Endrin ketone

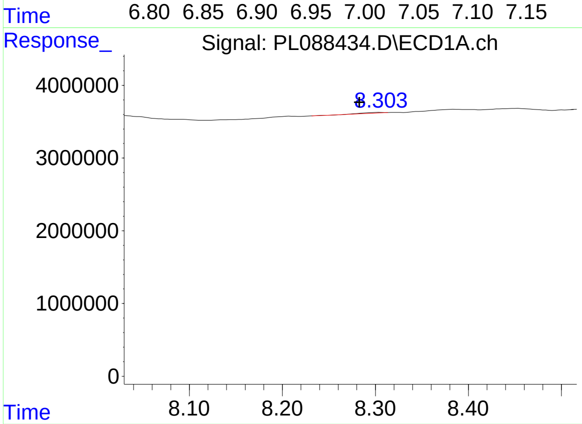
R.T.: 7.801 min
Delta R.T.: 0.000 min
Response: 6882776
Conc: 2.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM



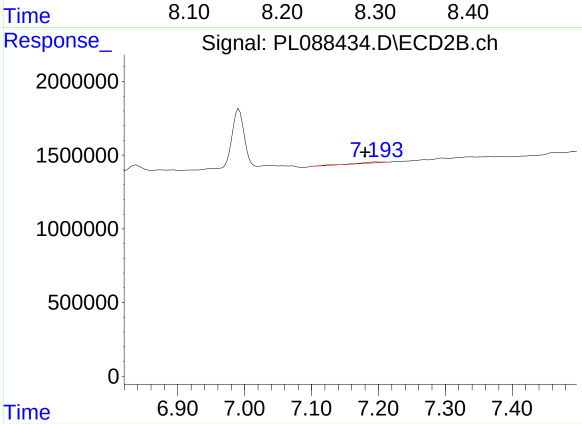
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.002 min
Response: 4990667
Conc: 2.98 ng/ml



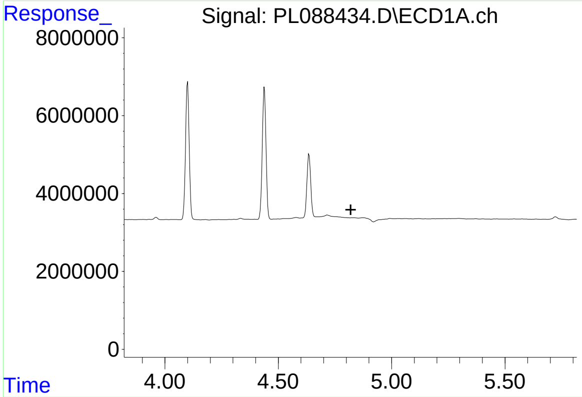
#22 Mirex

R.T.: 8.305 min
Delta R.T.: 0.022 min
Response: 135108
Conc: 0.06 ng/ml



#22 Mirex

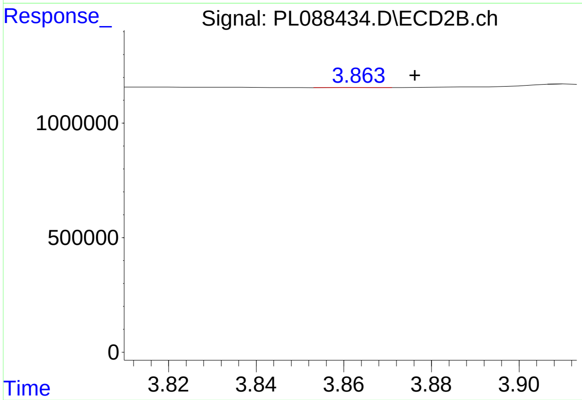
R.T.: 7.197 min
Delta R.T.: 0.017 min
Response: 164318
Conc: 0.13 ng/ml



#23 Chlordane-1

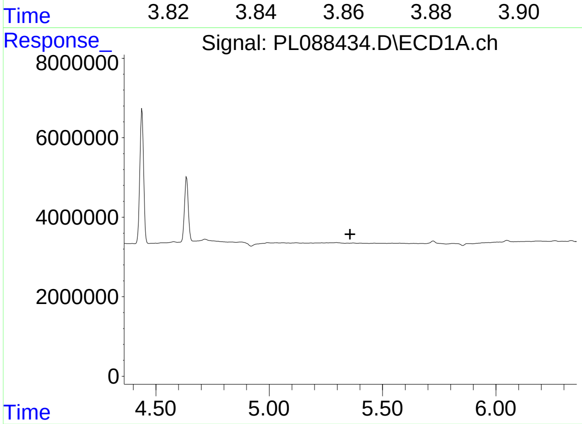
R.T.: 0.000 min
Exp R.T. : 4.820 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



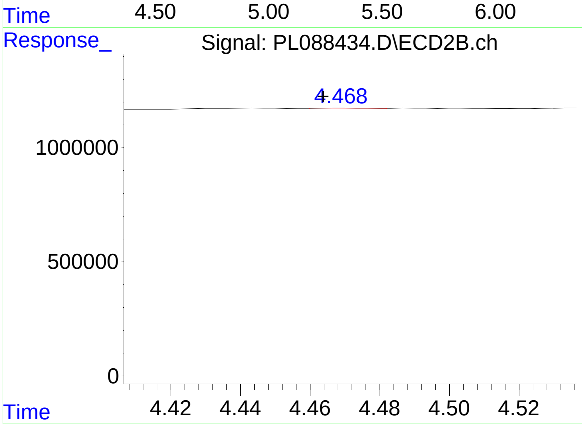
#23 Chlordane-1

R.T.: 3.864 min
Delta R.T.: -0.012 min
Response: 3931
Conc: 0.08 ng/ml



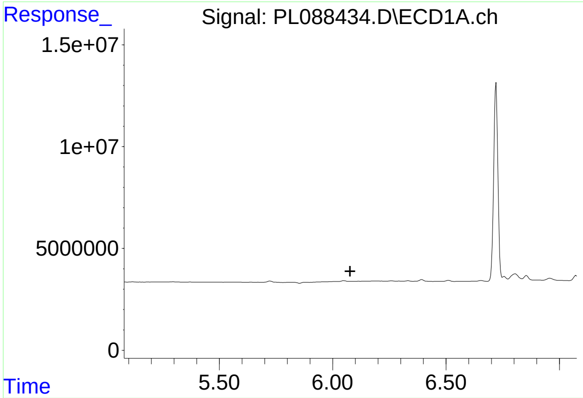
#24 Chlordane-2

R.T.: 0.000 min
Exp R.T. : 5.357 min
Response: 0
Conc: N.D.



#24 Chlordane-2

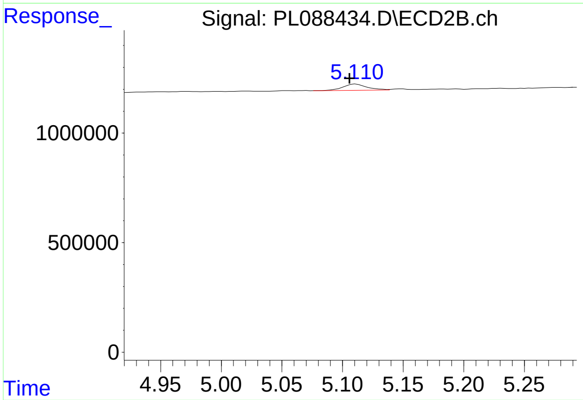
R.T.: 4.470 min
Delta R.T.: 0.006 min
Response: 40435
Conc: 0.64 ng/ml



#25 Chlordane-3

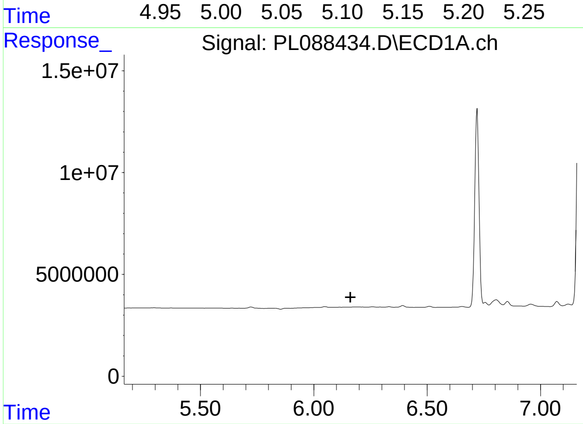
```
      R.T.:    0.000 min
Exp R.T.  :    6.077 min
  Response:         0
      Conc:   N.D.
```

Instrument :
ECD_L
ClientSampleId :
PEM



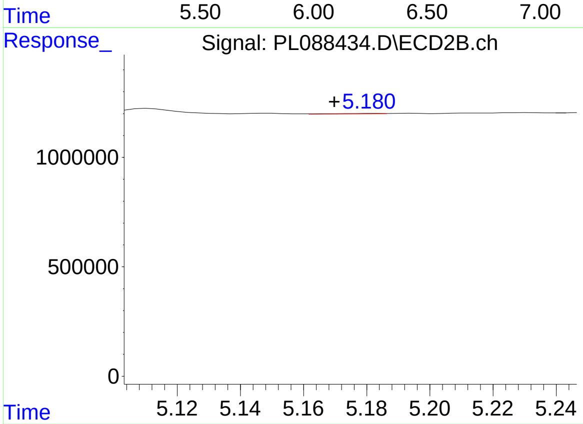
#25 Chlordane-3

```
      R.T.:    5.111 min
Delta R.T.:    0.005 min
  Response:    404407
      Conc:   2.17 ng/ml
```



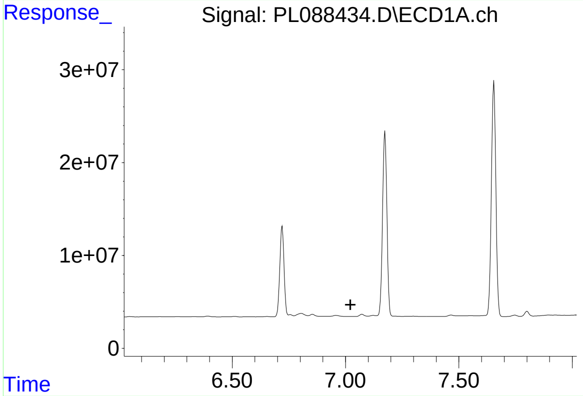
#26 Chlordane-4

```
      R.T.:    0.000 min
Exp R.T.  :    6.162 min
  Response:         0
      Conc:   N.D.
```



#26 Chlordane-4

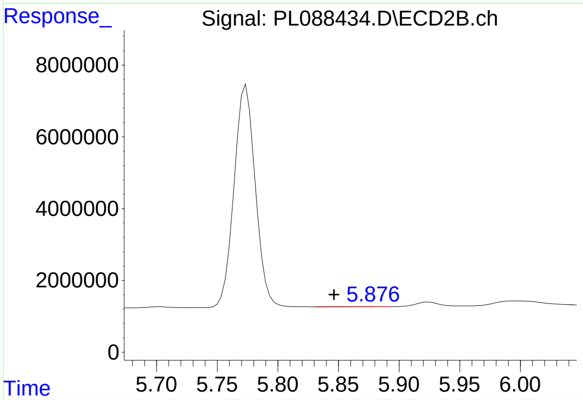
```
      R.T.:    5.182 min
Delta R.T.:    0.013 min
  Response:     23688
      Conc:   0.14 ng/ml
```



#27 Chlordane-5

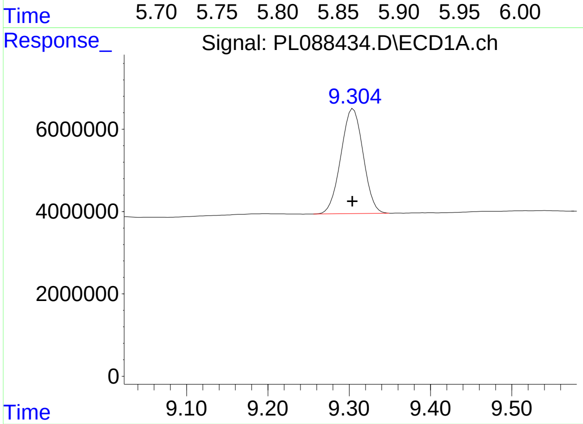
R.T.: 0.000 min
Exp R.T. : 7.022 min
Response: 0
Conc: N.D.

Instrument :
ECD_L
ClientSampleId :
PEM



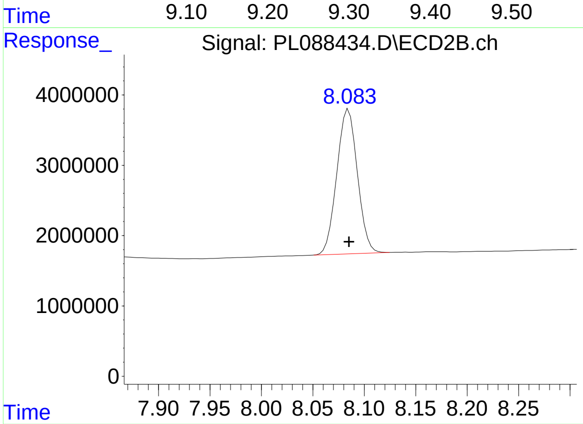
#27 Chlordane-5

R.T.: 5.877 min
Delta R.T.: 0.031 min
Response: 285443
Conc: 5.40 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.305 min
Delta R.T.: 0.001 min
Response: 48411261
Conc: 25.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: 0.000 min
Response: 28805828
Conc: 22.62 ng/ml