Quantitation Report (Not Reviewed)

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020624\
Data File : PD081111.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Feb 2024 08:44
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

Instrument :
ECD_D
ClientSampleId :
PEM

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 20:49:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012424.M
Quant Title : GC Extractables
QLast Update : Thu Jan 25 11:14:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

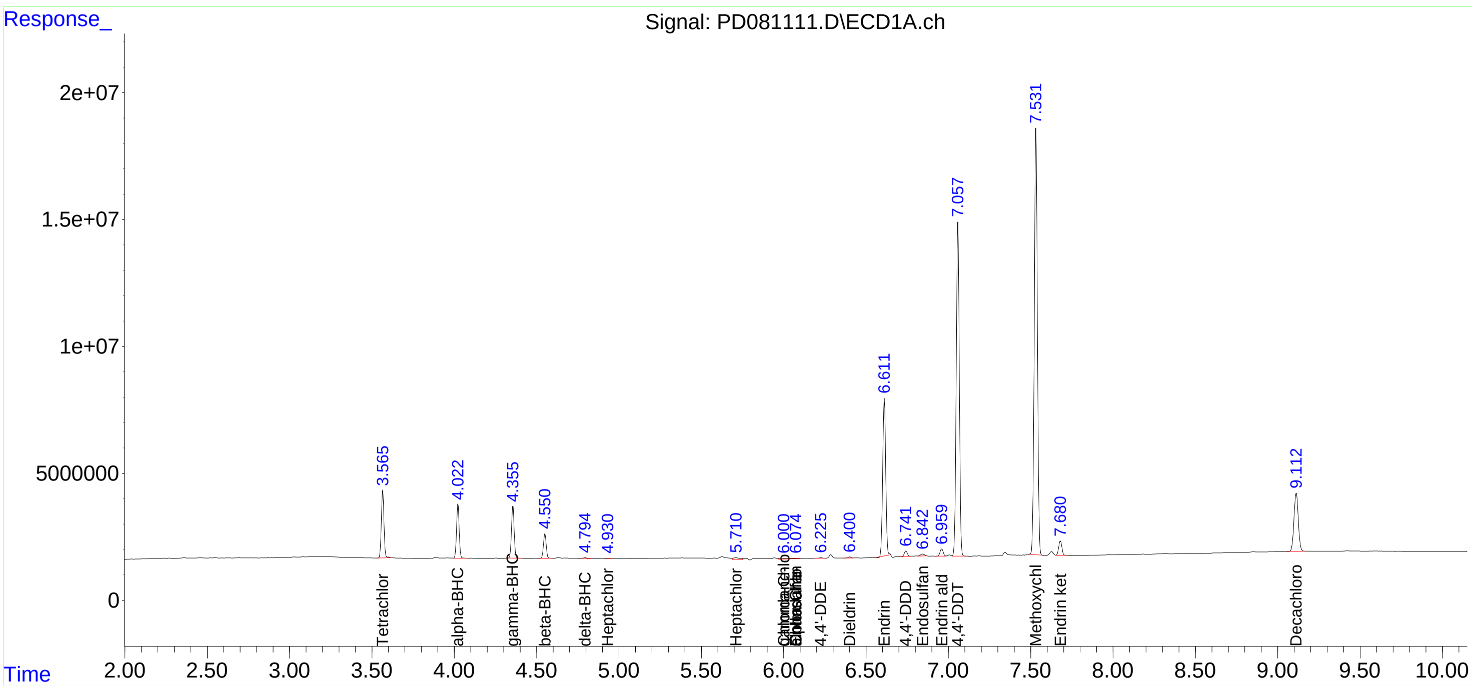
		Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml	
		System Monitoring Compounds							
1)	SA	Tetrachlo...	3.567	2.795	29783402	51911734	20.981	21.701	
28)	SA	Decachlor...	9.113	7.932	41461135	57284814	20.602	21.506	
		Target Compounds							
2)	A	alpha-BHC	4.023	3.296	23605456	39544634	9.504	10.306	
3)	MA	gamma-BHC...	4.357	3.626	23293154	36942788	9.517	9.881	
4)	MA	Heptachlor	4.931f	0.000	87066	0	0.035	N.D.	#
5)	MB	Aldrin	0.000	4.256	0	1245892	N.D.	0.342	#
6)	B	beta-BHC	4.551	3.921	11252080	17861836	11.120	11.431	
7)	B	delta-BHC	4.794	4.153	487561	387414	0.194	0.103	#
8)	B	Heptachlo...	5.711	0.000	2317313	0	1.035	N.D.	#
9)	A	Endosulfan I	6.075f	0.000	803487	0	0.387	N.D.	#
10)	B	gamma-Chl...	6.001f	5.004	845381	815618	0.386	0.249	#
11)	B	alpha-Chl...	6.075f	0.000	803487	0	0.369	N.D.	#
12)	B	4,4'-DDE	6.227	5.254	230434	2603356	0.113	0.850	#
13)	MA	Dieldrin	6.401f	0.000	518920	0	0.235	N.D.	#
14)	MA	Endrin	6.612	5.658	79471966	136.2E6	42.549	45.975	
15)	B	Endosulfa...	6.844f	5.967f	1306617	1105654	0.675	0.384	#
16)	A	4,4'-DDD	6.743	5.805	2877834	4752457	1.751	1.810	
17)	MA	4,4'-DDT	7.059	6.056	168.5E6	269.1E6	94.630	101.422	
18)	B	Endrin al...	6.960	6.131	3890825	6974100	2.558	3.093	
19)	B	Endosulfa...	0.000	6.340	0	288952	N.D.	0.104	#
20)	A	Methoxychlor	7.533	6.630	220.3E6	338.2E6	214.047	216.085	
21)	B	Endrin ke...	7.681	6.858	7546004	13642611	3.608	4.228	
22)		Mirex	0.000	7.048	0	343406	N.D.	0.136	#
24)		Chlordane-2	0.000	4.374	0	2906840	N.D.	23.716	#
25)		Chlordane-3	6.001f	5.004	845381	815618	2.677	2.430	
26)		Chlordane-4	6.075f	0.000	803487	0	2.110	N.D.	#
27)		Chlordane-5	0.000	5.967	0	1105654	N.D.	9.119	#

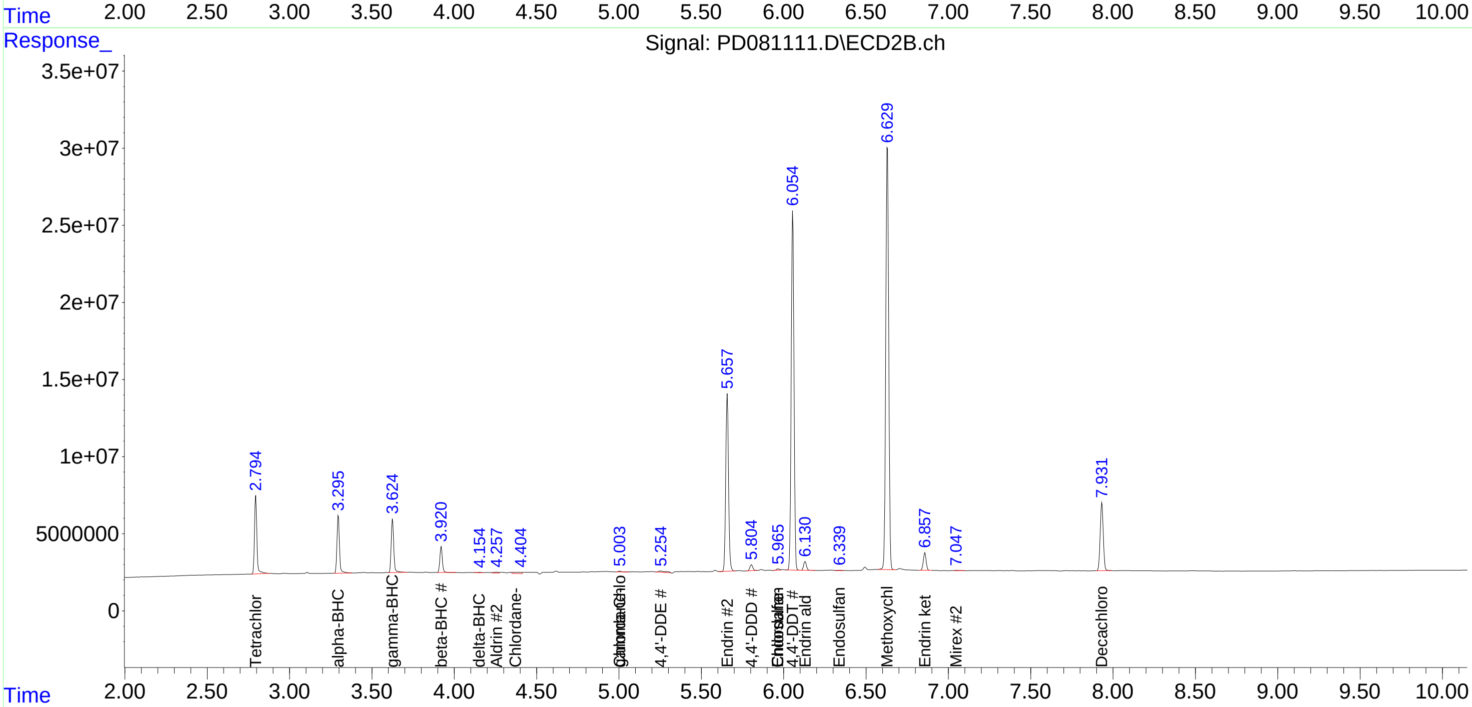
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

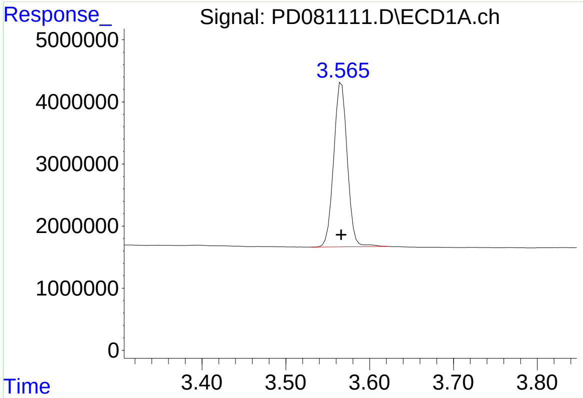
Quantitation Report (Not Reviewed)

```
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD020624\
Data File : PD081111.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 06 Feb 2024  08:44
Operator  : AR\AJ
Sample    : PEM
Misc      :
ALS Vial  : 3   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Feb 06 20:49:18 2024
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD012424.M
Quant Title  : GC Extractables
QLast Update : Thu Jan 25 11:14:56 2024
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj.     : 1 µl
Signal #1 Phase : ZB-MR1             Signal #2 Phase: ZB-MR2
Signal #1 Info  : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm
```

Instrument :
ECD_D
ClientSampleId :
PEM



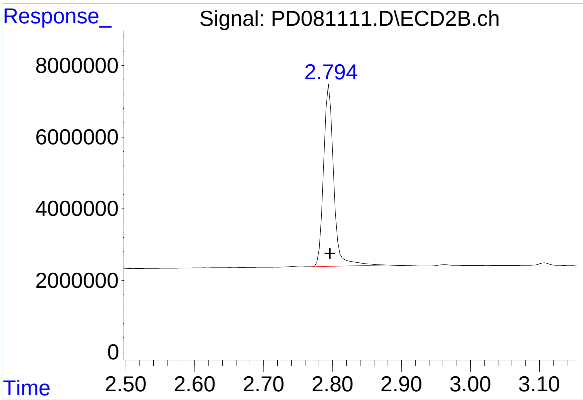




#1 Tetrachloro-m-xylene

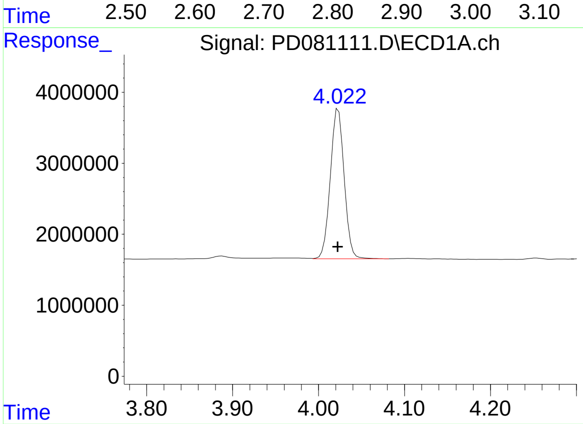
R.T.: 3.567 min
Delta R.T.: 0.000 min
Response: 29783402
Conc: 20.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



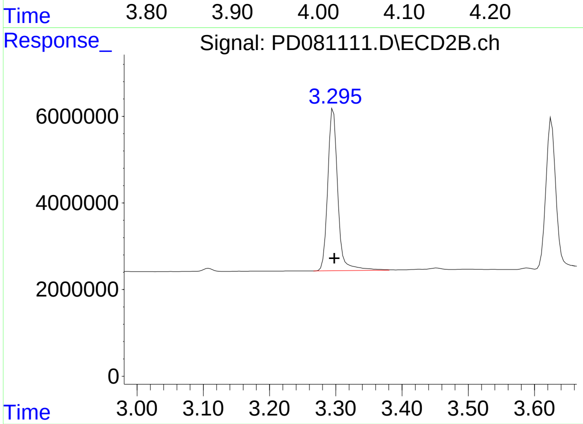
#1 Tetrachloro-m-xylene

R.T.: 2.795 min
Delta R.T.: 0.000 min
Response: 51911734
Conc: 21.70 ng/ml



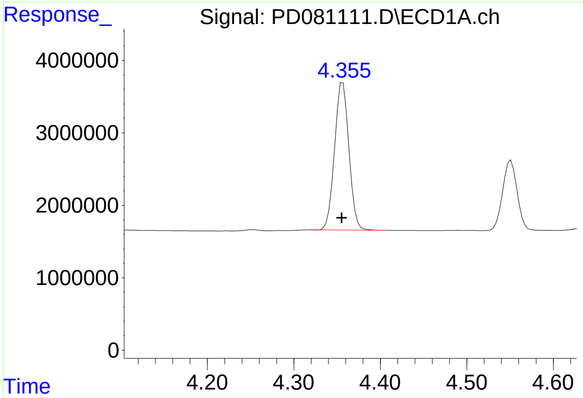
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 23605456
Conc: 9.50 ng/ml



#2 alpha-BHC

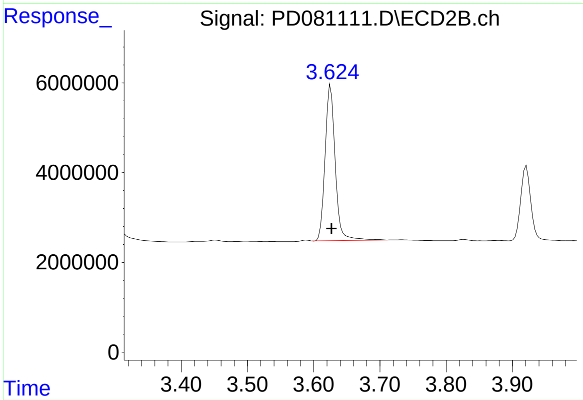
R.T.: 3.296 min
Delta R.T.: -0.002 min
Response: 39544634
Conc: 10.31 ng/ml



#3 gamma-BHC (Lindane)

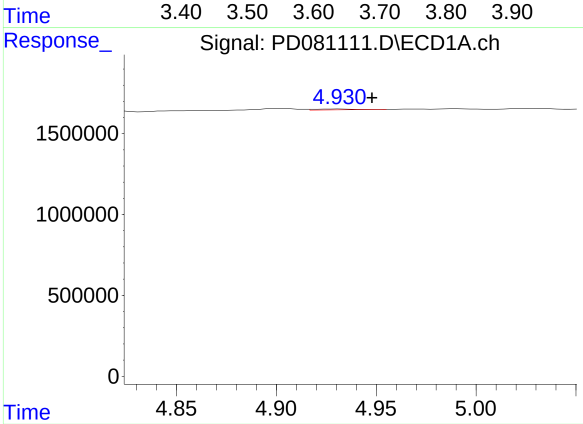
```
      R.T.:    4.357 min
Delta R.T.:    0.001 min
  Response:   23293154
      Conc:    9.52 ng/ml
```

Instrument :
ECD_D
ClientSampleId :
PEM



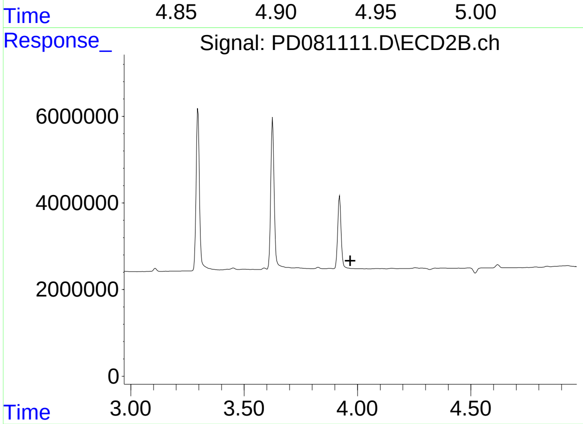
#3 gamma-BHC (Lindane)

```
      R.T.:    3.626 min
Delta R.T.:   -0.001 min
  Response:   36942788
      Conc:    9.88 ng/ml
```



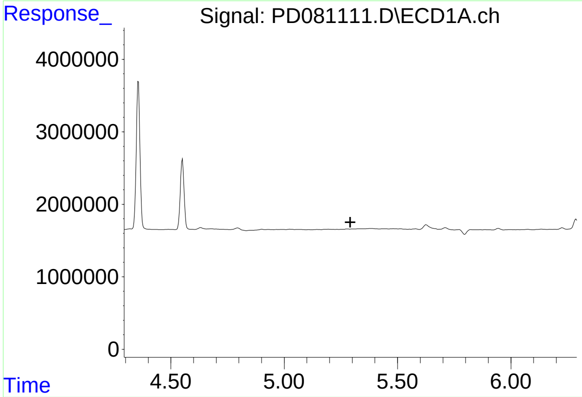
#4 Heptachlor

```
      R.T.:    4.931 min
Delta R.T.:   -0.017 min
  Response:      87066
      Conc:    0.04 ng/ml
```



#4 Heptachlor

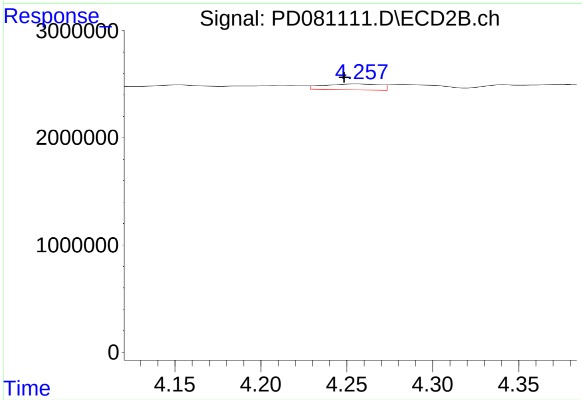
```
      R.T.:    0.000 min
Exp R.T.  :    3.968 min
  Response:          0
      Conc:    N.D.
```



#5 Aldrin

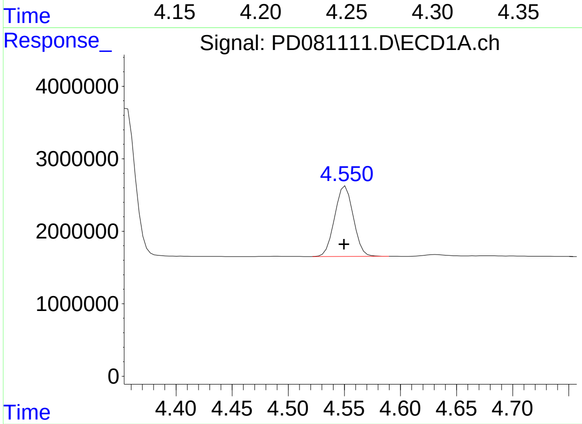
R.T.: 0.000 min
Exp R.T. : 5.292 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



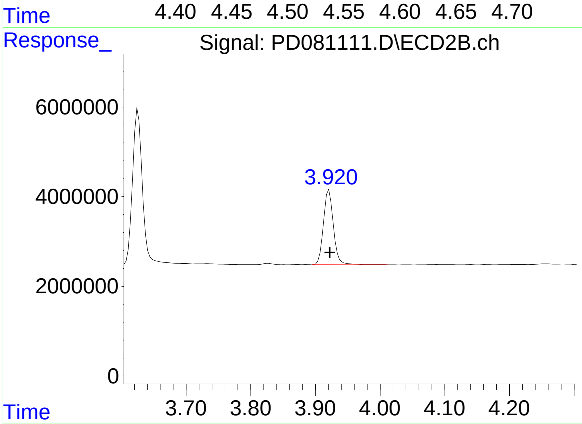
#5 Aldrin

R.T.: 4.256 min
Delta R.T.: 0.008 min
Response: 1245892
Conc: 0.34 ng/ml



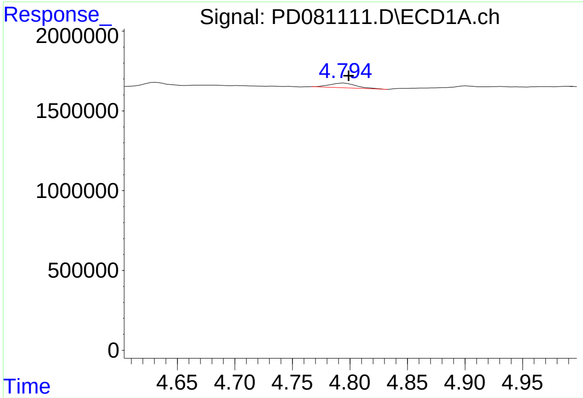
#6 beta-BHC

R.T.: 4.551 min
Delta R.T.: 0.001 min
Response: 11252080
Conc: 11.12 ng/ml



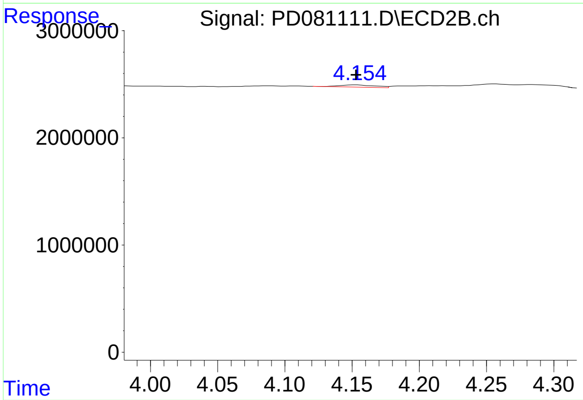
#6 beta-BHC

R.T.: 3.921 min
Delta R.T.: -0.001 min
Response: 17861836
Conc: 11.43 ng/ml

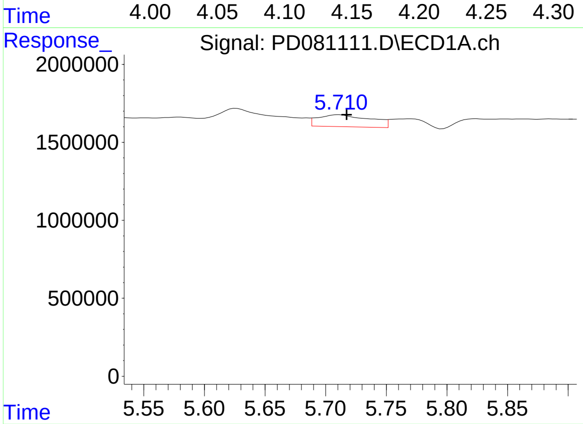



```
#7   delta-BHC

      R.T.:     4.794 min
Delta R.T.:    -0.005 min
  Response:     487561
      Conc:    0.19 ng/ml
```

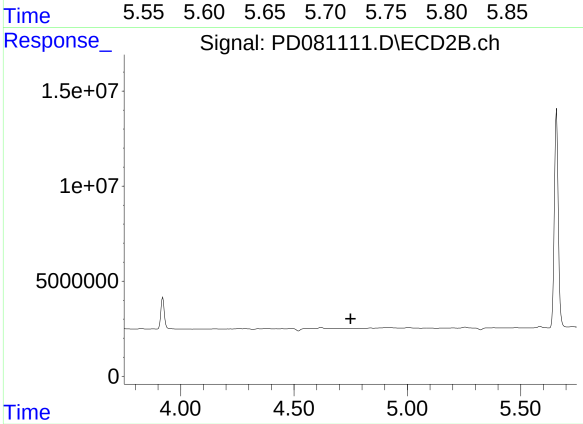
Instrument :
ECD_D
ClientSampleId :
PEM



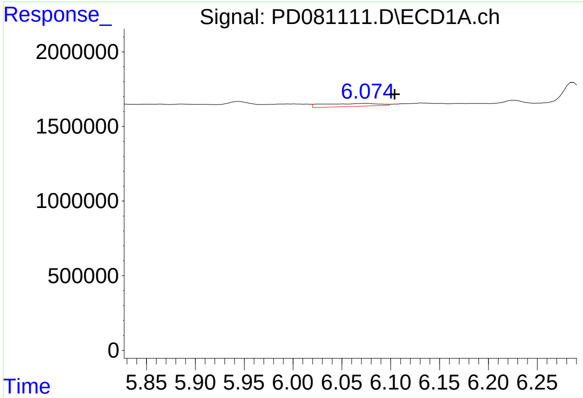

```
#7   delta-BHC

      R.T.:     4.153 min
Delta R.T.:     0.000 min
  Response:     387414
      Conc:    0.10 ng/ml
```




```
#8   Heptachlor epoxide

      R.T.:     5.711 min
Delta R.T.:    -0.007 min
  Response:    2317313
      Conc:    1.03 ng/ml
```



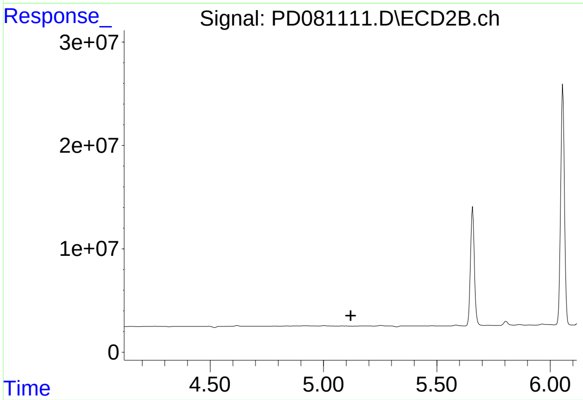

```
#8   Heptachlor epoxide

      R.T.:     0.000 min
Exp R.T.  :     4.750 min
  Response:          0
      Conc:    N.D.
```



#9 Endosulfan I

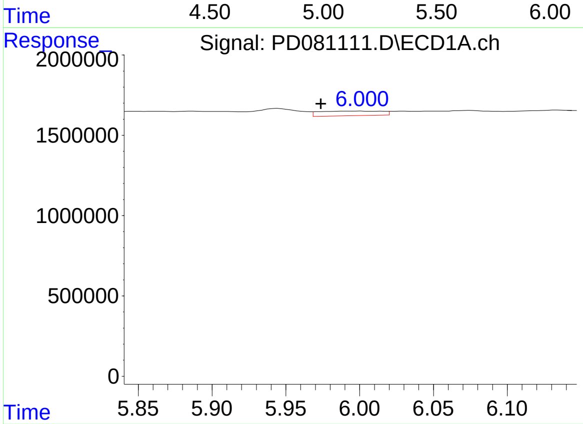
```
      R.T.:    6.075 min
Delta R.T.:   -0.029 min
  Response:    803487
      Conc:   0.39 ng/ml
```

Instrument :
ECD_D
ClientSampleId :
PEM



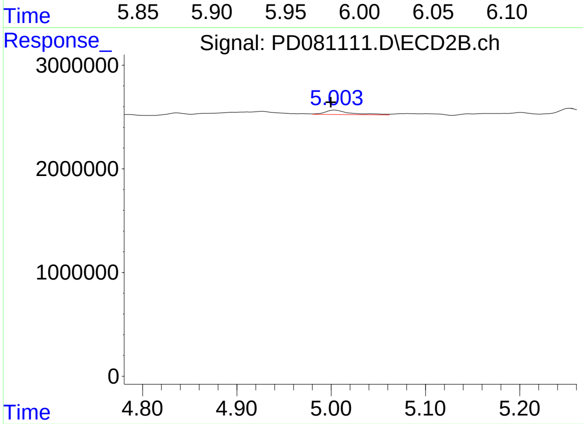
#9 Endosulfan I

```
      R.T.:    0.000 min
Exp R.T.  :    5.120 min
  Response:         0
      Conc:   N.D.
```



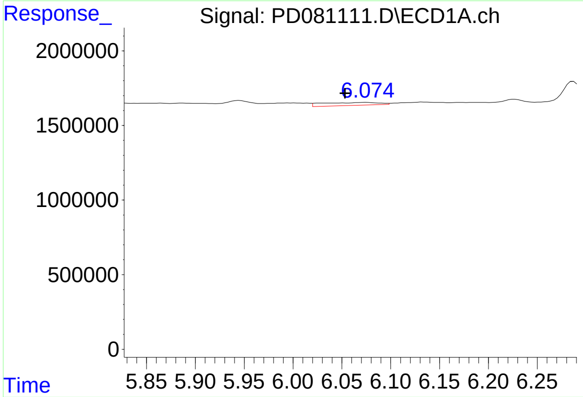
#10 gamma-Chlordane

```
      R.T.:    6.001 min
Delta R.T.:    0.028 min
  Response:    845381
      Conc:   0.39 ng/ml
```



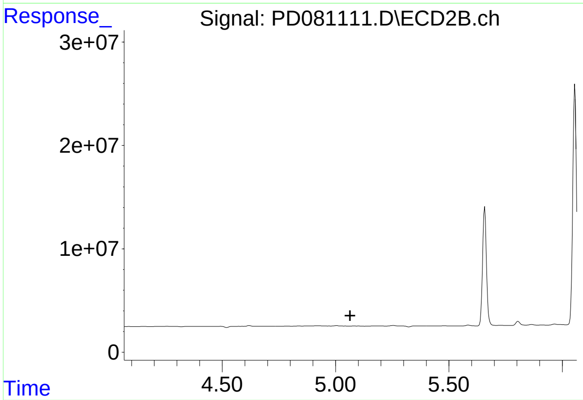
#10 gamma-Chlordane

```
      R.T.:    5.004 min
Delta R.T.:    0.005 min
  Response:    815618
      Conc:   0.25 ng/ml
```

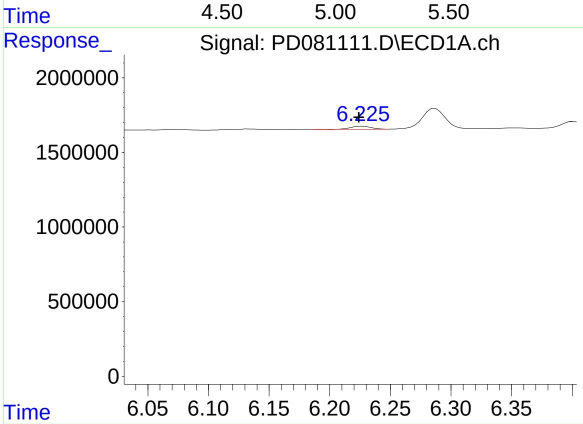



```
#11  alpha-Chlordane

      R.T.:     6.075 min
Delta R.T.:     0.022 min
  Response:     803487
      Conc:    0.37 ng/ml
```

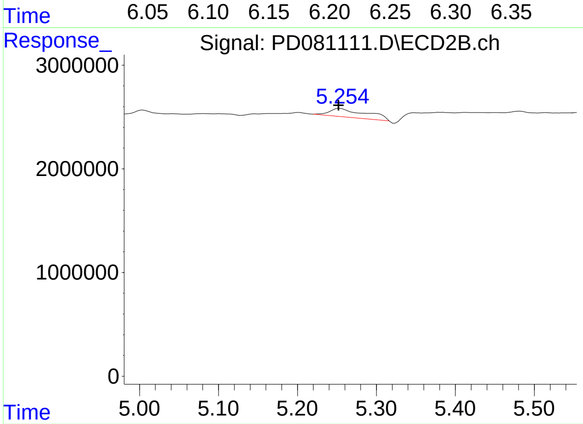
Instrument :
ECD_D
ClientSampleId :
PEM



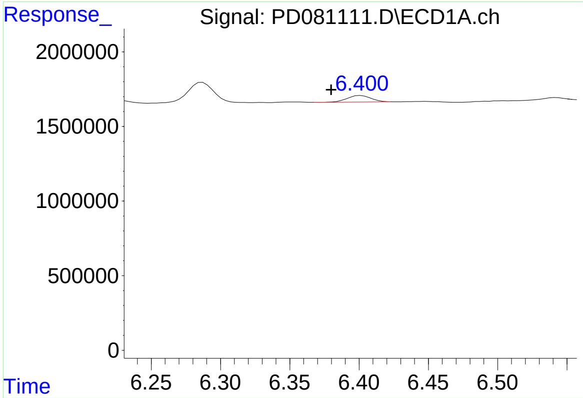

```
#11  alpha-Chlordane

      R.T.:     0.000 min
Exp R.T.  :     5.064 min
  Response:          0
      Conc:    N.D.
```




```
#12  4,4'-DDE

      R.T.:     6.227 min
Delta R.T.:     0.003 min
  Response:     230434
      Conc:    0.11 ng/ml
```



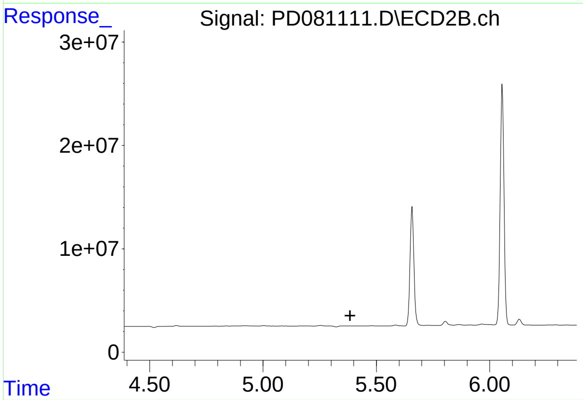

```
#12  4,4'-DDE

      R.T.:     5.254 min
Delta R.T.:     0.002 min
  Response:    2603356
      Conc:    0.85 ng/ml
```



#13 Dieldrin

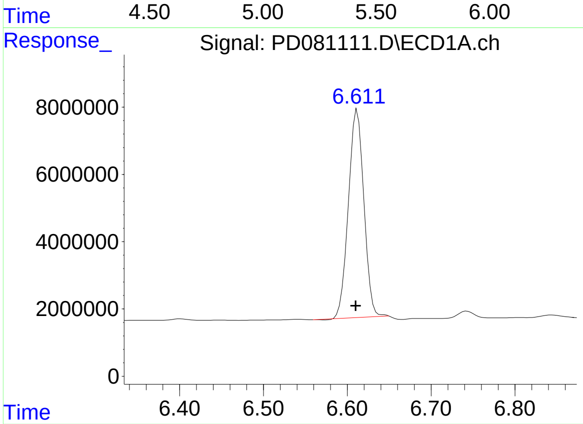
R.T.: 6.401 min
Delta R.T.: 0.022 min
Response: 518920
Conc: 0.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



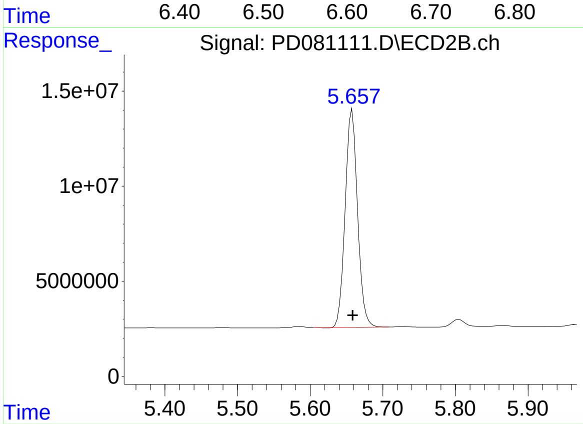
#13 Dieldrin

R.T.: 0.000 min
Exp R.T. : 5.384 min
Response: 0
Conc: N.D.



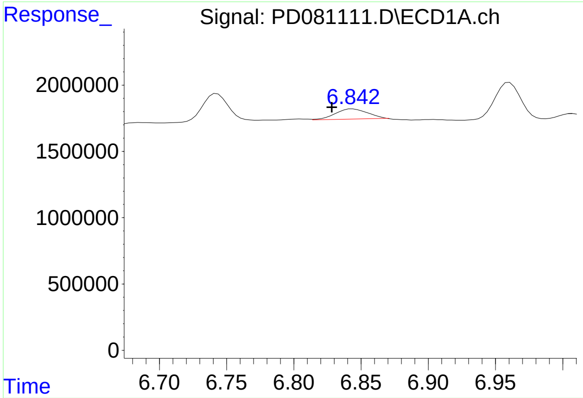
#14 Endrin

R.T.: 6.612 min
Delta R.T.: 0.002 min
Response: 79471966
Conc: 42.55 ng/ml



#14 Endrin

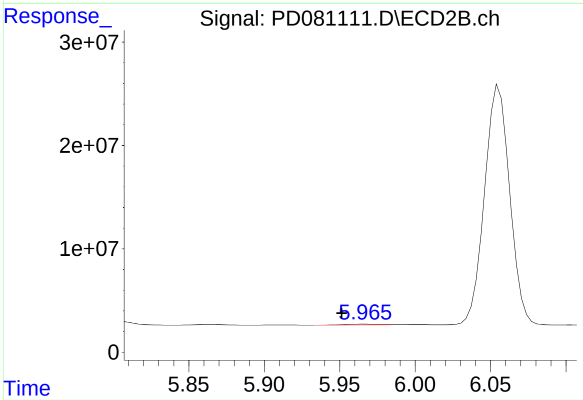
R.T.: 5.658 min
Delta R.T.: 0.000 min
Response: 136241547
Conc: 45.97 ng/ml



#15 Endosulfan II

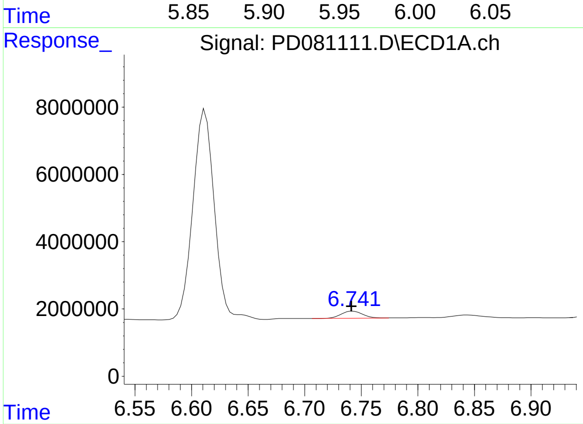
R.T.: 6.844 min
Delta R.T.: 0.015 min
Response: 1306617
Conc: 0.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



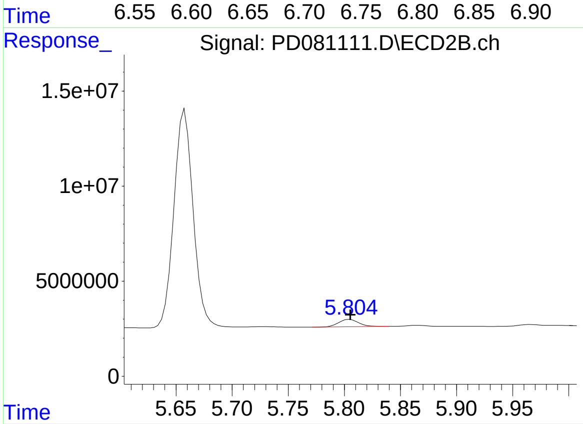
#15 Endosulfan II

R.T.: 5.967 min
Delta R.T.: 0.015 min
Response: 1105654
Conc: 0.38 ng/ml



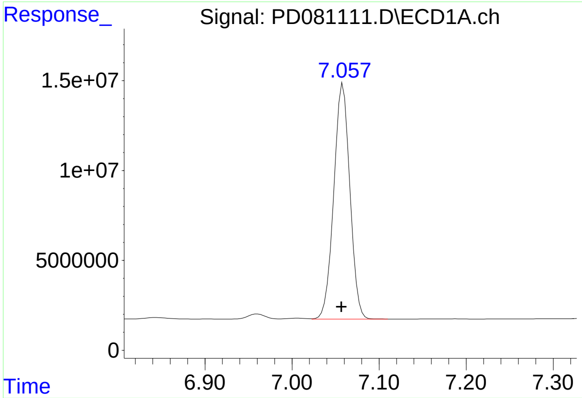
#16 4,4'-DDD

R.T.: 6.743 min
Delta R.T.: 0.002 min
Response: 2877834
Conc: 1.75 ng/ml



#16 4,4'-DDD

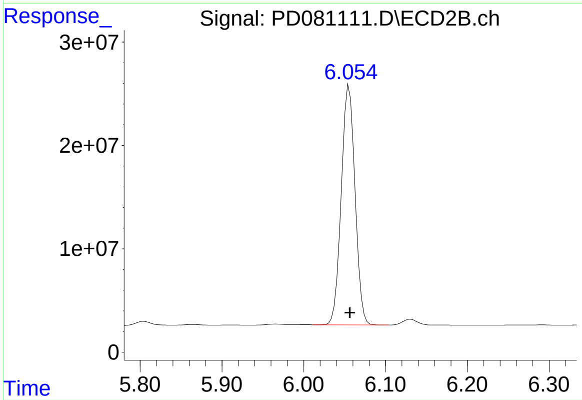
R.T.: 5.805 min
Delta R.T.: 0.000 min
Response: 4752457
Conc: 1.81 ng/ml



#17 4,4'-DDT

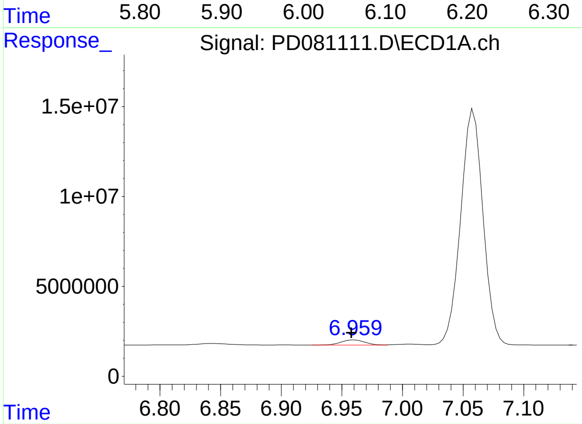
R.T.: 7.059 min
Delta R.T.: 0.002 min
Response: 168525823
Conc: 94.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM



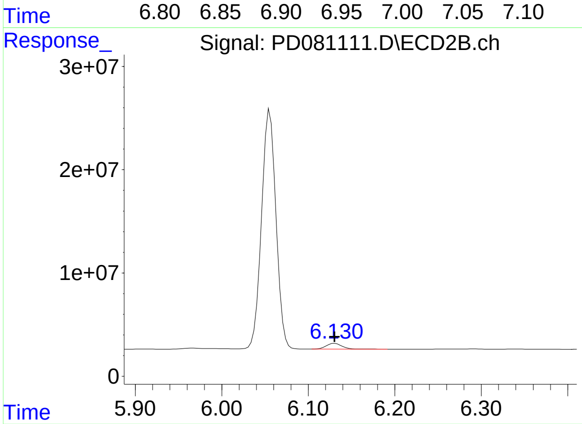
#17 4,4'-DDT

R.T.: 6.056 min
Delta R.T.: 0.000 min
Response: 269078413
Conc: 101.42 ng/ml



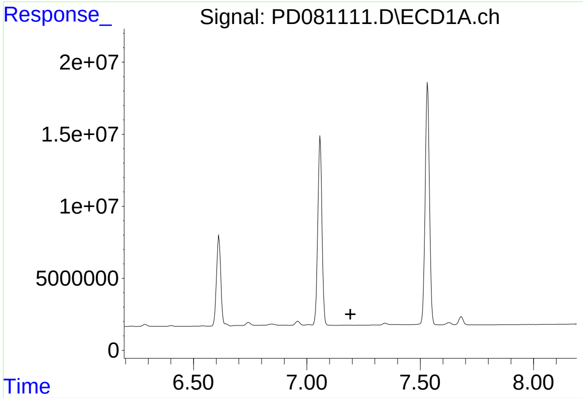
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: 0.003 min
Response: 3890825
Conc: 2.56 ng/ml



#18 Endrin aldehyde

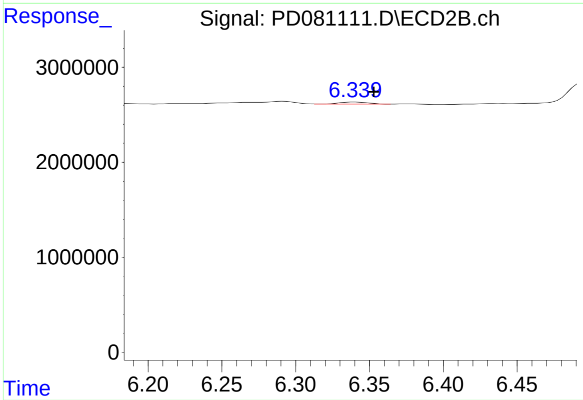
R.T.: 6.131 min
Delta R.T.: 0.000 min
Response: 6974100
Conc: 3.09 ng/ml



#19 Endosulfan Sulfate

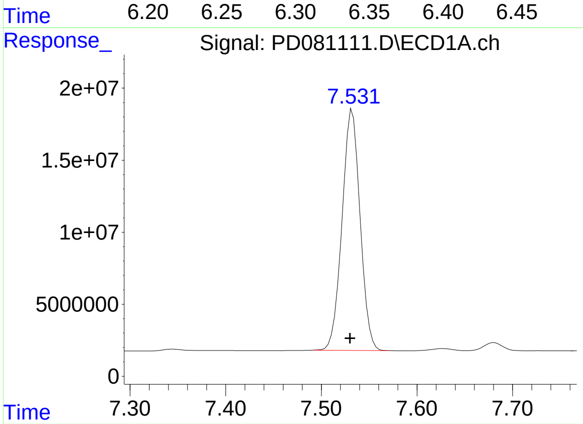
R.T.: 0.000 min
Exp R.T. : 7.192 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



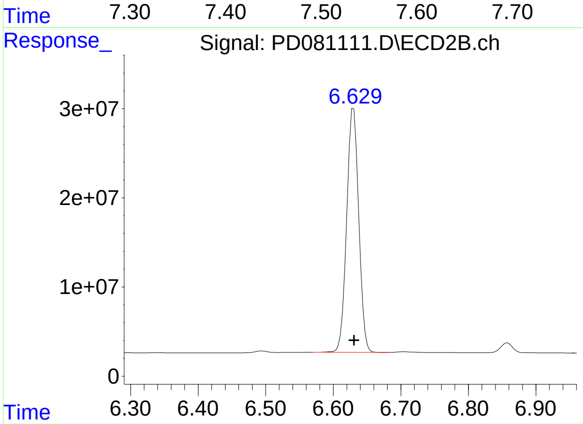
#19 Endosulfan Sulfate

R.T.: 6.340 min
Delta R.T.: -0.013 min
Response: 288952
Conc: 0.10 ng/ml



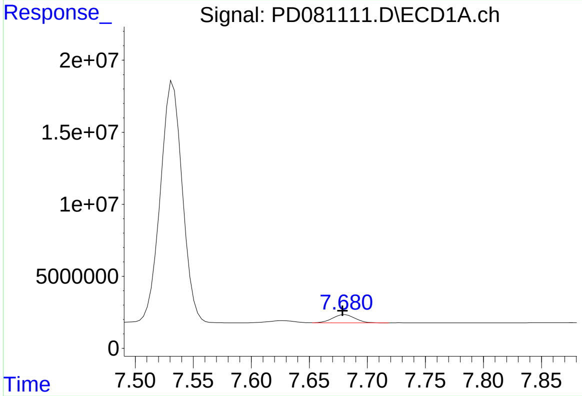
#20 Methoxychlor

R.T.: 7.533 min
Delta R.T.: 0.003 min
Response: 220313918
Conc: 214.05 ng/ml



#20 Methoxychlor

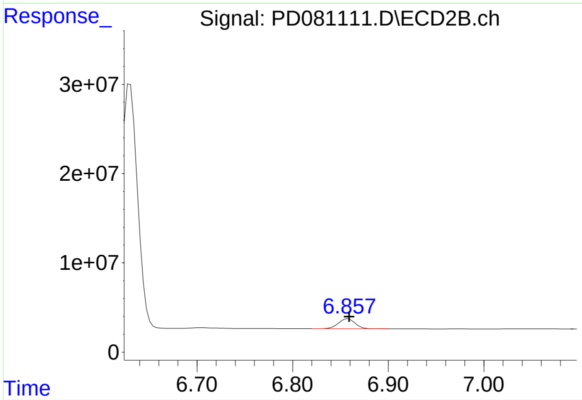
R.T.: 6.630 min
Delta R.T.: 0.000 min
Response: 338229231
Conc: 216.09 ng/ml



#21 Endrin ketone

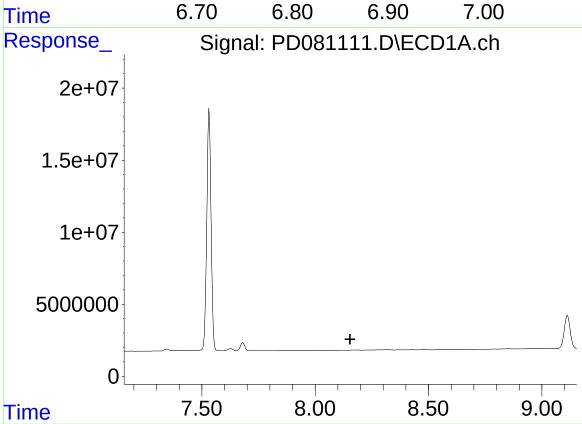
```
      R.T.:    7.681 min
Delta R.T.:    0.002 min
  Response:   7546004
      Conc:   3.61 ng/ml
```

Instrument :
ECD_D
ClientSampleId :
PEM



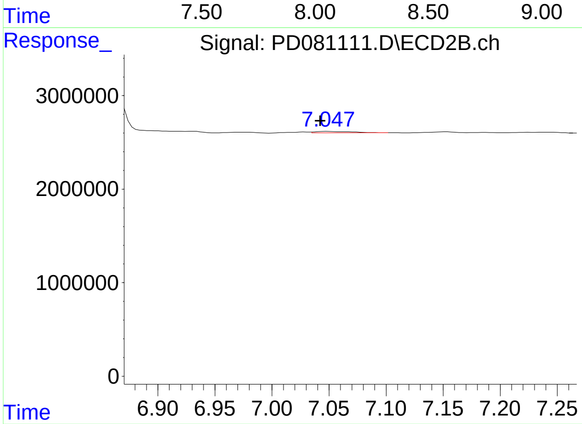
#21 Endrin ketone

```
      R.T.:    6.858 min
Delta R.T.:   -0.001 min
  Response:  13642611
      Conc:   4.23 ng/ml
```



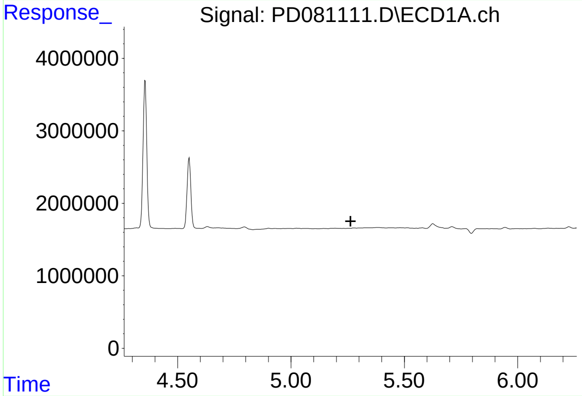
#22 Mirex

```
      R.T.:    0.000 min
Exp R.T.  :    8.154 min
  Response:         0
      Conc:   N.D.
```



#22 Mirex

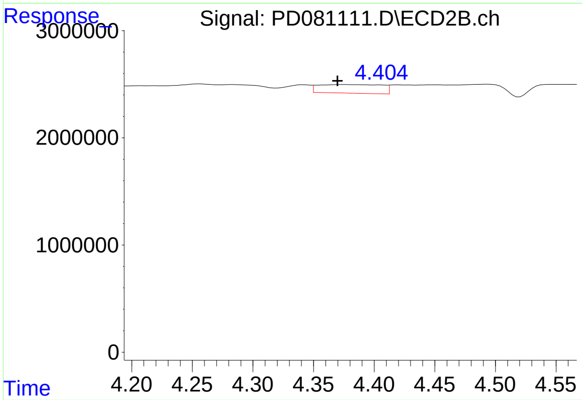
```
      R.T.:    7.048 min
Delta R.T.:    0.006 min
  Response:    343406
      Conc:   0.14 ng/ml
```



#24 Chlordane-2

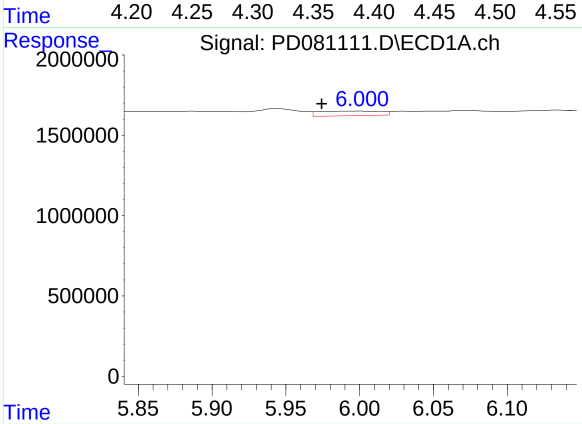
R.T.: 0.000 min
Exp R.T. : 5.263 min
Response: 0
Conc: N.D.

Instrument :
ECD_D
ClientSampleId :
PEM



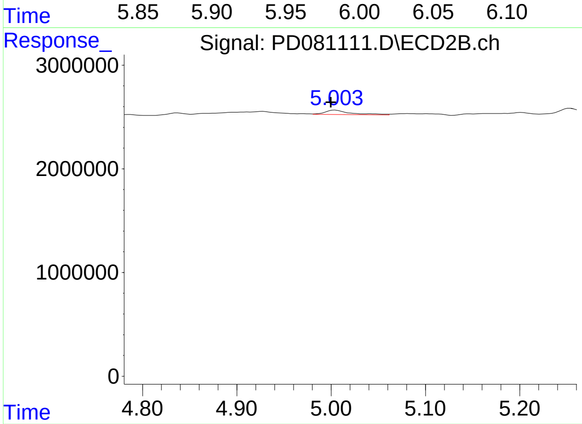
#24 Chlordane-2

R.T.: 4.374 min
Delta R.T.: 0.004 min
Response: 2906840
Conc: 23.72 ng/ml



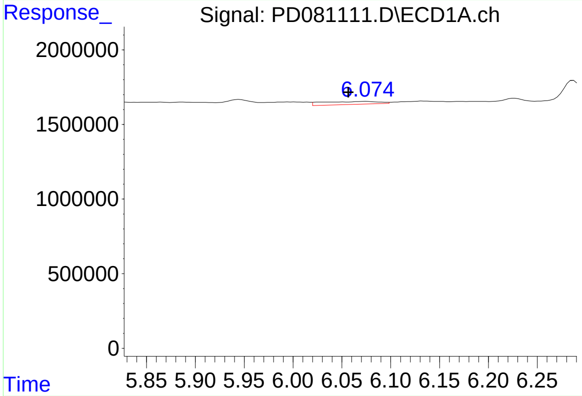
#25 Chlordane-3

R.T.: 6.001 min
Delta R.T.: 0.027 min
Response: 845381
Conc: 2.68 ng/ml



#25 Chlordane-3

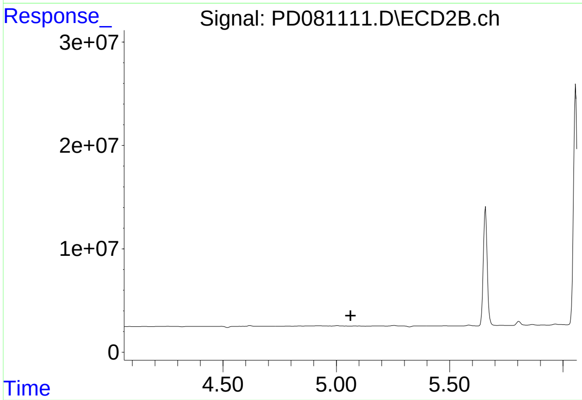
R.T.: 5.004 min
Delta R.T.: 0.005 min
Response: 815618
Conc: 2.43 ng/ml



#26 Chlordane-4

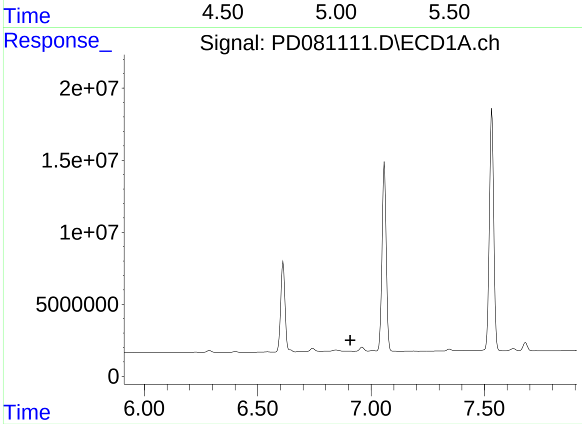
```
      R.T.:    6.075 min
Delta R.T.:    0.018 min
  Response:    803487
      Conc:   2.11 ng/ml
```

Instrument :
ECD_D
ClientSampleId :
PEM



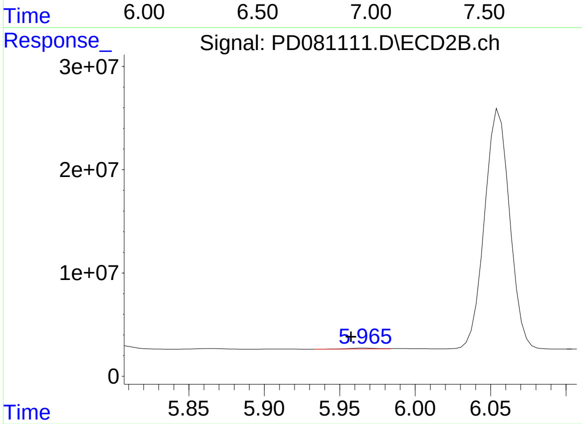
#26 Chlordane-4

```
      R.T.:    0.000 min
Exp R.T.  :    5.063 min
  Response:         0
      Conc:   N.D.
```



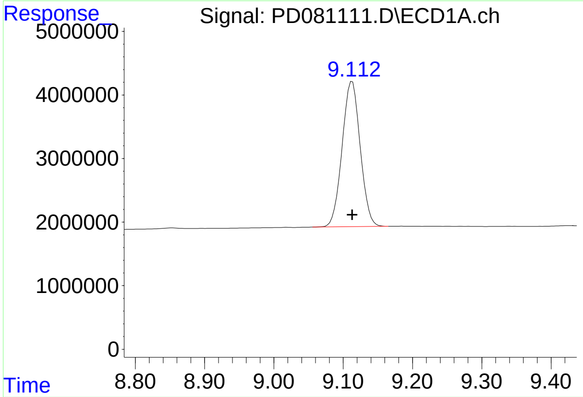
#27 Chlordane-5

```
      R.T.:    0.000 min
Exp R.T.  :    6.908 min
  Response:         0
      Conc:   N.D.
```



#27 Chlordane-5

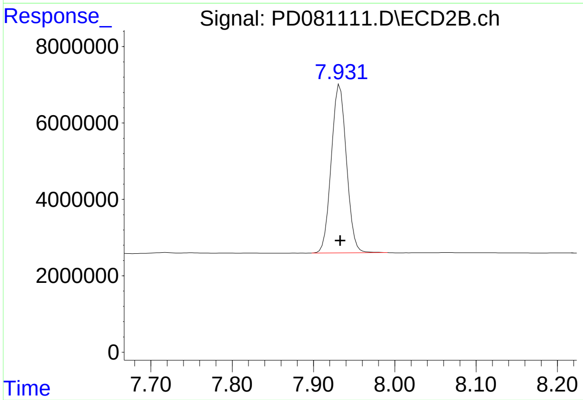
```
      R.T.:    5.967 min
Delta R.T.:    0.009 min
  Response:    1105654
      Conc:   9.12 ng/ml
```



#28 Decachlorobiphenyl

```
      R.T.:    9.113 min
Delta R.T.:    0.000 min
  Response:   41461135
      Conc:   20.60 ng/ml
```

Instrument :
ECD_D
ClientSampleId :
PEM



#28 Decachlorobiphenyl

```
      R.T.:    7.932 min
Delta R.T.:    0.000 min
  Response:   57284814
      Conc:   21.51 ng/ml
```