Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051425\
Data File : PD088542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 09:02
Operator : AR\AJ
Sample : HEXANE
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:36:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
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... | 3.581f | 2.913f | 397355 | 685455 | 0.199 | 0.047 | # |
| 28) | SA | Decachlor... | 0.000 | 8.071 | 0 | 4495052 | N.D. | 0.243 | # |
| | | **Target Compounds** | | | | | | | |
| 3) | MA | gamma-BHC... | 4.300f | 3.729 | 598437 | 392520 | 0.143 | 0.018 | # |
| 4) | MA | Heptachlor | 4.916f | 4.101 | 298103 | 1666392 | 0.074 | 0.078 | |
| 5) | MB | Aldrin | 5.264 | 4.365 | 155031 | 76601 | 0.039 | 0.004 | # |
| 7) | B | delta-BHC | 4.788f | 4.262 | 864619 | 156866 | 0.210 | 0.007 | # |
| 8) | B | Heptachlo... | 5.692 | 4.882 | 5382288 | 2409303 | 1.506 | 0.128 | # |
| 9) | A | Endosulfan I | 6.066 | 0.000 | 2772319 | 0 | 0.821 | N.D. | # |
| 10) | B | gamma-Chl... | 5.938 | 5.151f | 12301043 | 32040942 | 3.396 | 1.579 | # |
| 11) | B | alpha-Chl... | 6.012f | 5.202 | 16327307 | 58240400 | 4.523 | 2.971 | # |
| 12) | B | 4,4'-DDE | 0.000 | 5.381 | 0 | 16795570 | N.D. | 0.853 | # |
| 13) | MA | Dieldrin | 0.000 | 5.522 | 0 | 2226857 | N.D. | 0.112 | # |
| 14) | MA | Endrin | 6.605f | 5.798 | -5065 | 10273077 | N.D. | 0.564 | |
| 15) | B | Endosulfa... | 6.782 | 6.069f | 13933272 | 1236110 | 4.457 | 0.071 | # |
| 16) | A | 4,4'-DDD | 6.737f | 5.943 | 15373833 | 207998 | 6.113 | 0.013 | # |
| 17) | MA | 4,4'-DDT | 7.008 | 6.175 | 670081 | 2650659 | 0.241 | 0.156 | # |
| 18) | B | Endrin al... | 0.000 | 6.274 | 0 | 4885583 | N.D. | 0.367 | # |
| 19) | B | Endosulfa... | 7.169f | 6.483 | 171297 | 1829938 | 0.060 | 0.107 | # |
| 20) | A | Methoxychlor | 7.512f | 6.762 | 99794 | 1404315 | 0.067 | 0.154 | # |
| 22) | | Mirex | 0.000 | 7.197 | 0 | 41148 | N.D. | 0.003 | # |
| 23) | | Chlordane-1 | 0.000 | 3.911 | 0 | 1868213 | N.D. | 2.330 | # |
| 24) | | Chlordane-2 | 5.229 | 4.509 | 49435 | 103.8E6 | 0.297 | 125.761 | # |
| 25) | | Chlordane-3 | 5.938 | 5.151f | 12301043 | 32040942 | 18.236 | 12.669 | # |
| 26) | | Chlordane-4 | 6.012f | 5.202 | 16327307 | 58240400 | 20.025 | 27.239 | # |
| 27) | | Chlordane-5 | 0.000 | 6.110 | 0 | 1385894 | N.D. | 1.435 | # |

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

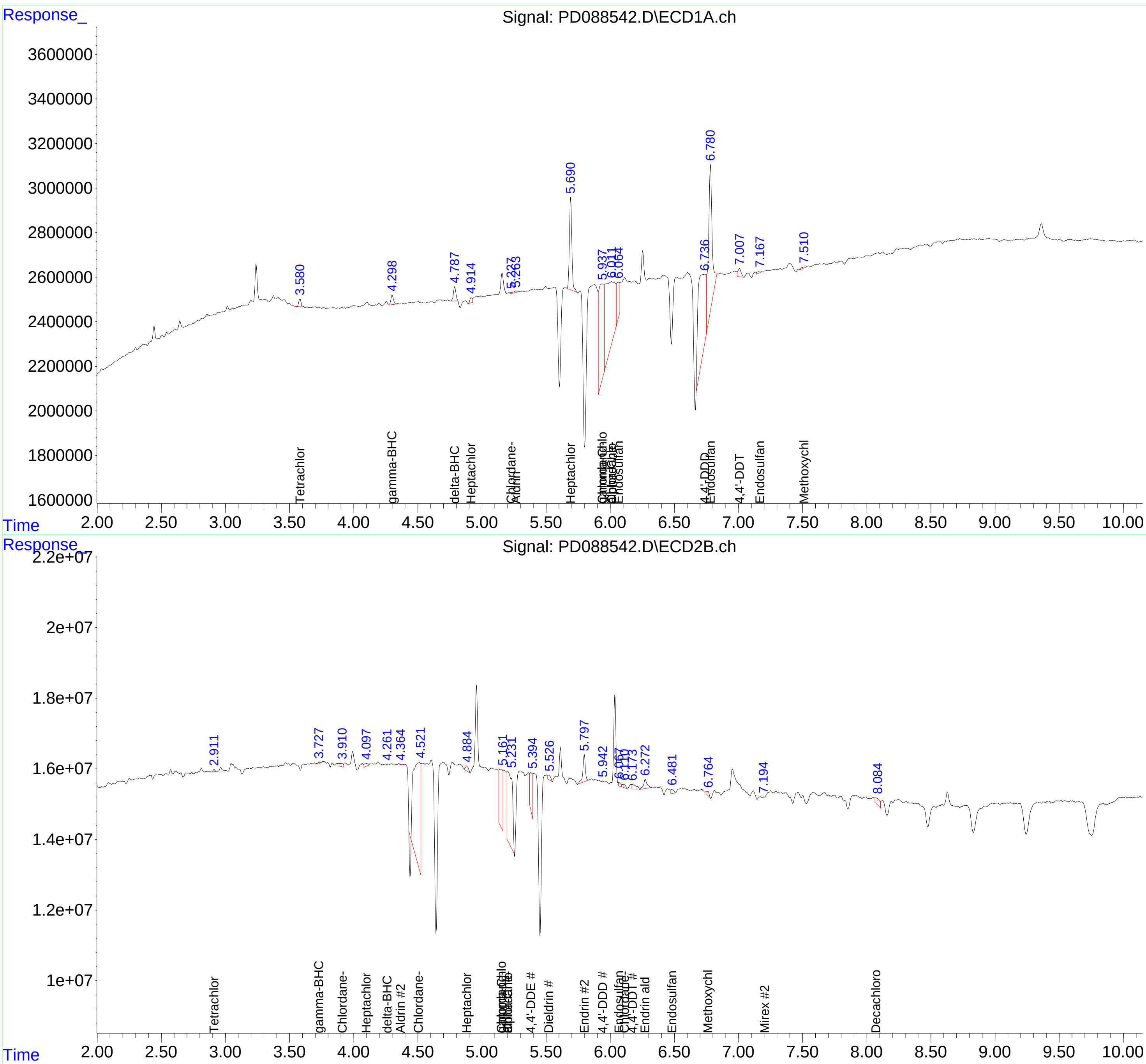
Quantitation Report (Not Reviewed)

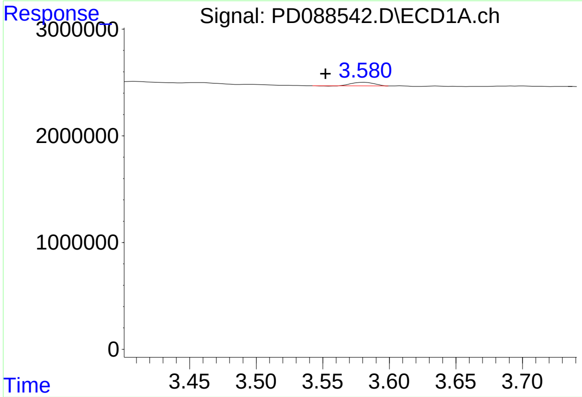
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051425\
Data File : PD088542.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 May 2025 09:02
Operator : AR\AJ
Sample : HEXANE
Misc :
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
ECD_D
**ClientSampleId :**

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 15 02:36:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
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

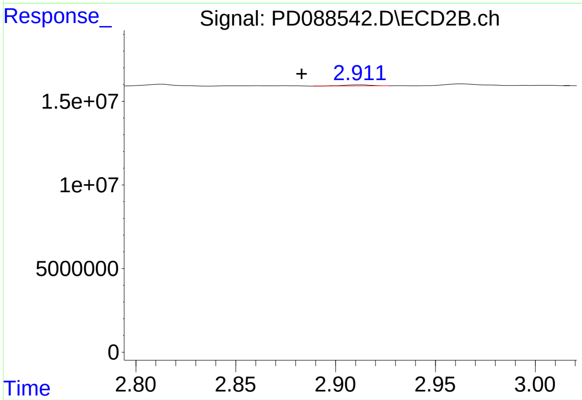





#1 Tetrachloro-m-xylene

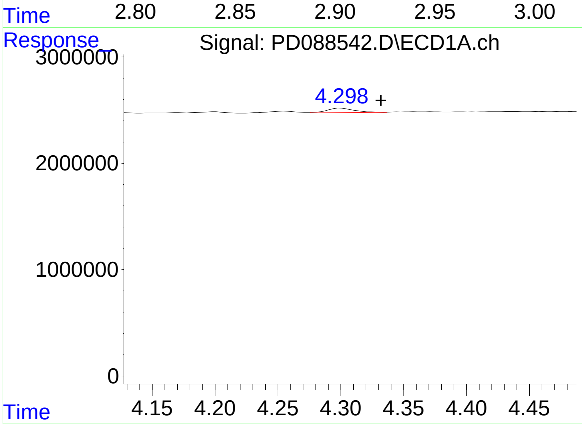
R.T.: 3.581 min
Delta R.T.: 0.029 min
Response: 397355
Conc: 0.20 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**



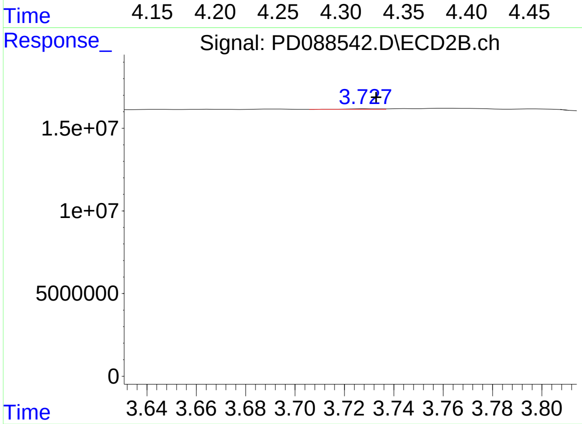

#1 Tetrachloro-m-xylene

R.T.: 2.913 min
Delta R.T.: 0.030 min
Response: 685455
Conc: 0.05 ng/ml



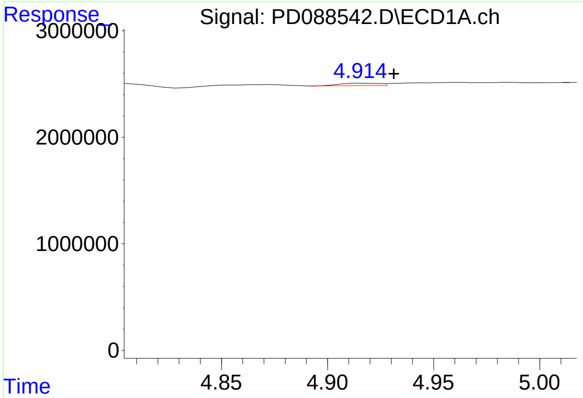

#3 gamma-BHC (Lindane)

R.T.: 4.300 min
Delta R.T.: -0.032 min
Response: 598437
Conc: 0.14 ng/ml




#3 gamma-BHC (Lindane)

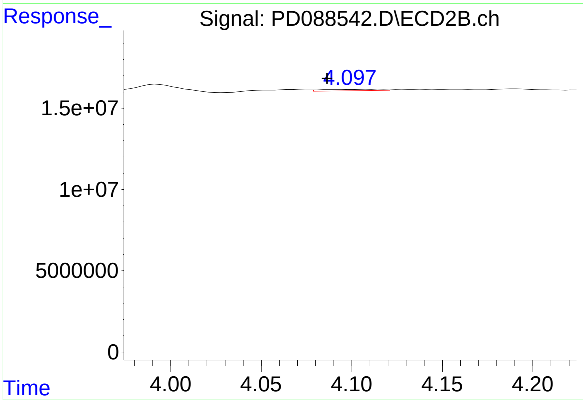
R.T.: 3.729 min
Delta R.T.: -0.004 min
Response: 392520
Conc: 0.02 ng/ml




#4 Heptachlor

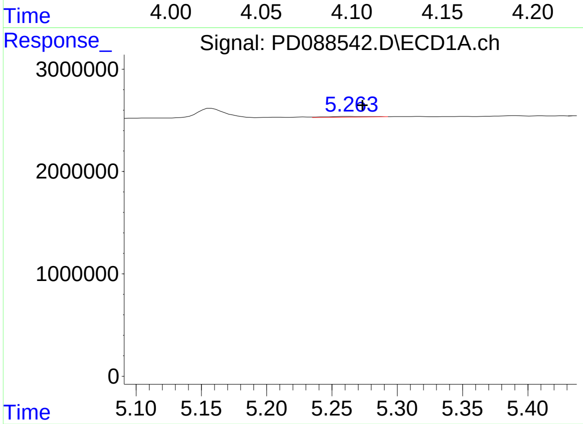
R.T.: 4.916 min
Delta R.T.: -0.016 min
Response: 298103
Conc: 0.07 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**



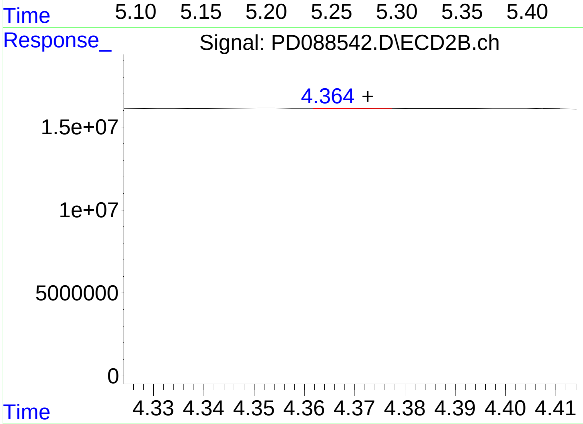

#4 Heptachlor

R.T.: 4.101 min
Delta R.T.: 0.014 min
Response: 1666392
Conc: 0.08 ng/ml



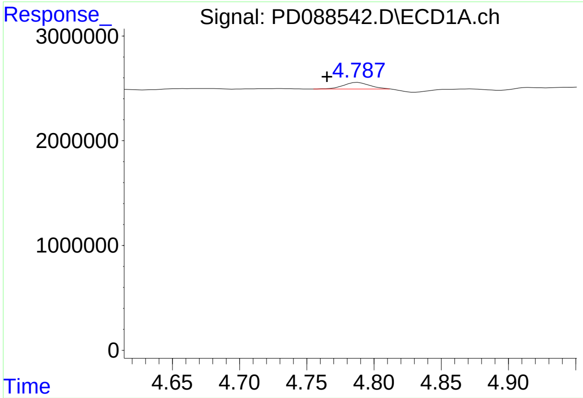

#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.009 min
Response: 155031
Conc: 0.04 ng/ml




#5 Aldrin

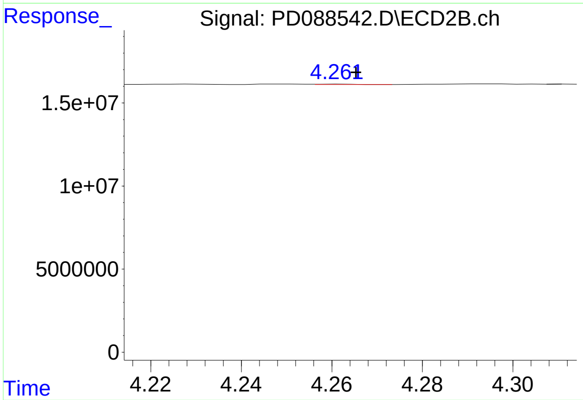
R.T.: 4.365 min
Delta R.T.: -0.008 min
Response: 76601
Conc: 0.00 ng/ml




#7 delta-BHC

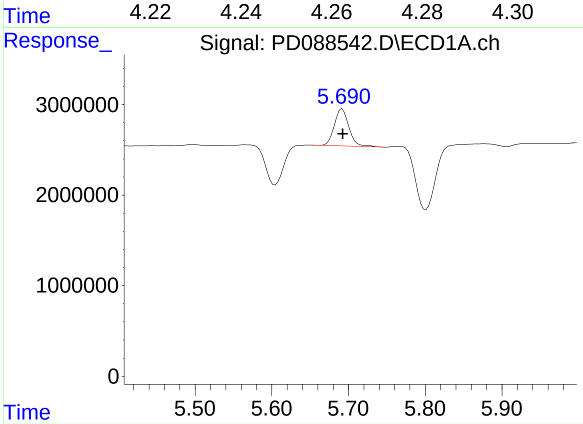
R.T.: 4.788 min
Delta R.T.: 0.023 min
Response: 864619
Conc: 0.21 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**



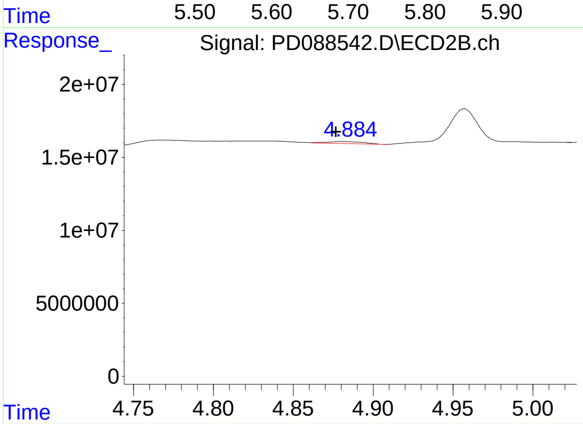

#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: -0.003 min
Response: 156866
Conc: 0.01 ng/ml



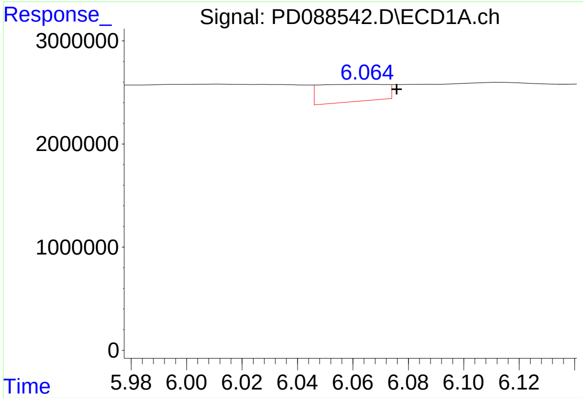

#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 5382288
Conc: 1.51 ng/ml



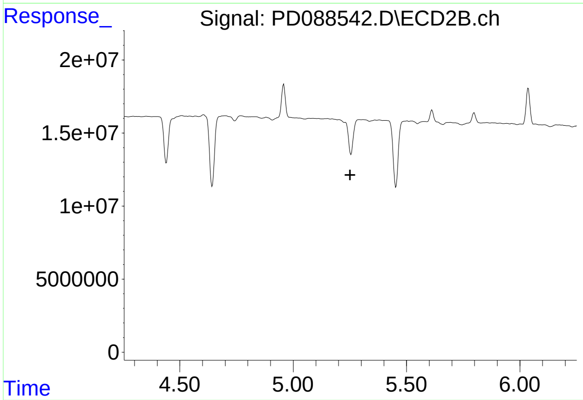

#8 Heptachlor epoxide

R.T.: 4.882 min
Delta R.T.: 0.005 min
Response: 2409303
Conc: 0.13 ng/ml

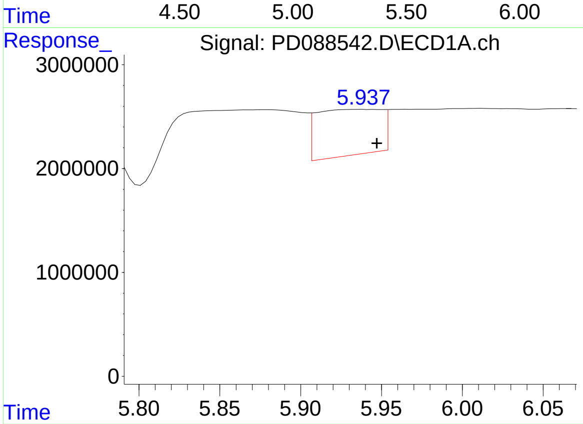



```
#9   Endosulfan I

      R.T.:    6.066 min
Delta R.T.:   -0.010 min
  Response:   2772319
      Conc:   0.82 ng/ml
```

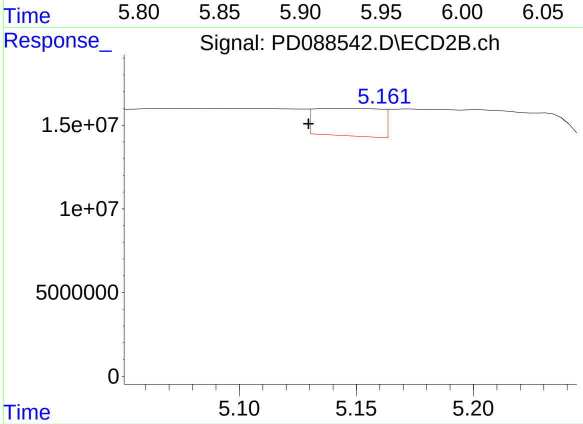
**Instrument :**
ECD_D
**ClientSampleId :**



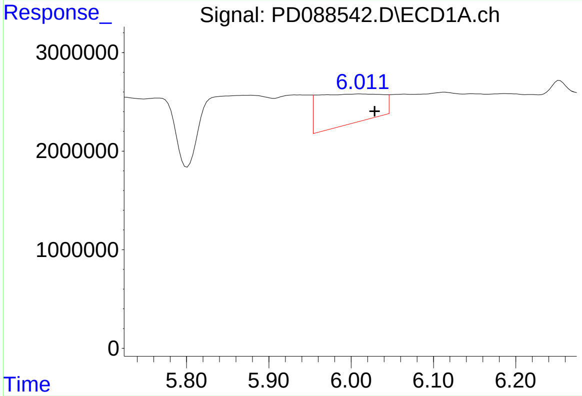

```
#9   Endosulfan I

      R.T.:    0.000 min
Exp R.T.  :    5.251 min
  Response:          0
      Conc:   N.D.
```




```
#10   gamma-Chlordane

      R.T.:    5.938 min
Delta R.T.:   -0.009 min
  Response:  12301043
      Conc:   3.40 ng/ml
```

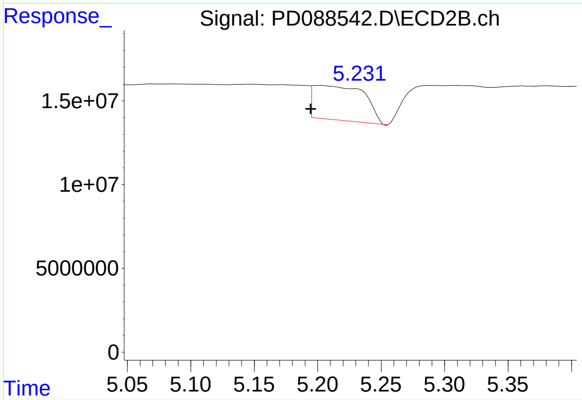



```
#10   gamma-Chlordane

      R.T.:    5.151 min
Delta R.T.:    0.022 min
  Response:  32040942
      Conc:   1.58 ng/ml
```

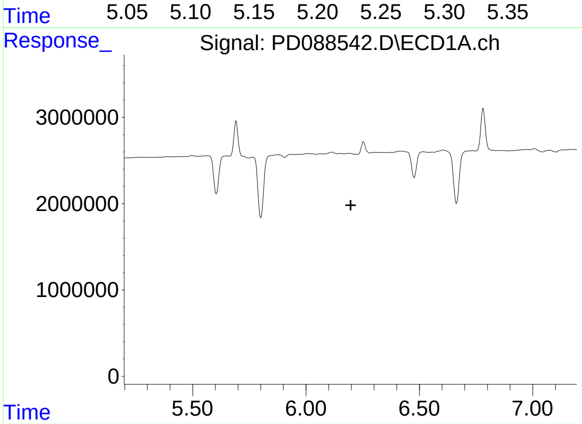



```
#11  alpha-Chlordane

      R.T.:     6.012 min
Delta R.T.:    -0.017 min
  Response:   16327307
      Conc:    4.52 ng/ml
```

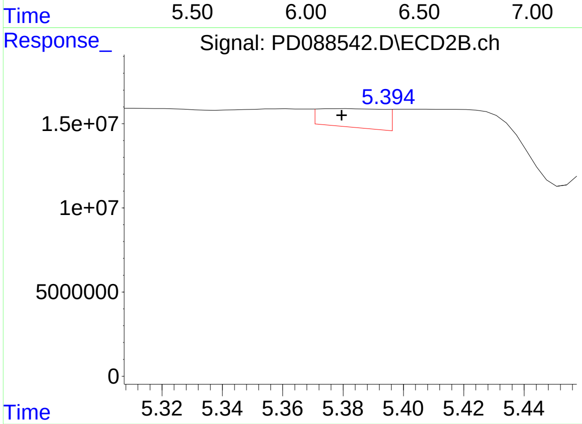
**Instrument :**
ECD_D
**ClientSampleId :**



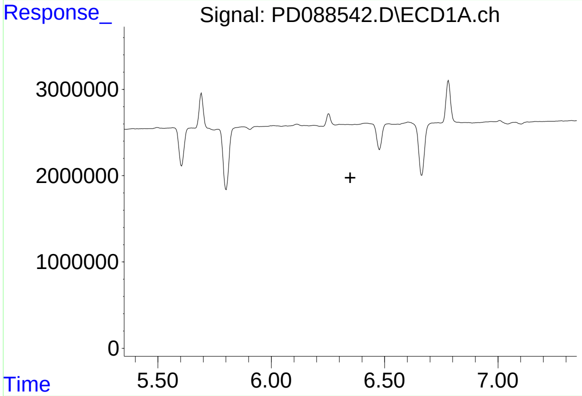

```
#11  alpha-Chlordane

      R.T.:     5.202 min
Delta R.T.:     0.008 min
  Response:   58240400
      Conc:    2.97 ng/ml
```




```
#12  4,4'-DDE

      R.T.:     0.000 min
Exp R.T.  :     6.197 min
  Response:          0
      Conc:    N.D.
```



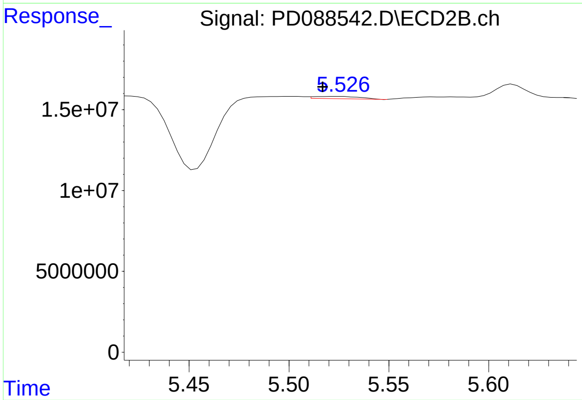

```
#12  4,4'-DDE

      R.T.:     5.381 min
Delta R.T.:     0.002 min
  Response:   16795570
      Conc:    0.85 ng/ml
```




#13 Dieldrin

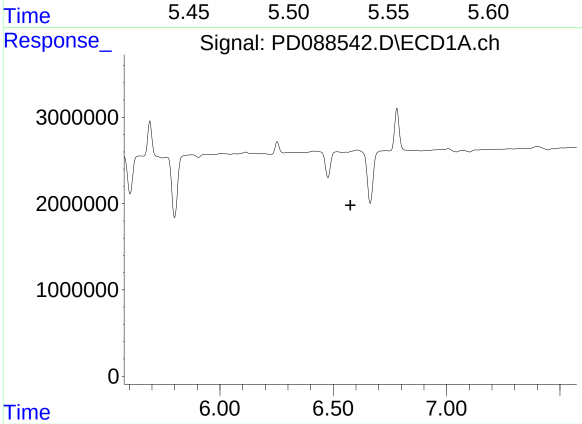
R.T.: 0.000 min
Exp R.T. : 6.349 min
Response: 0
Conc: N.D.

**Instrument :**
ECD_D
**ClientSampleId :**



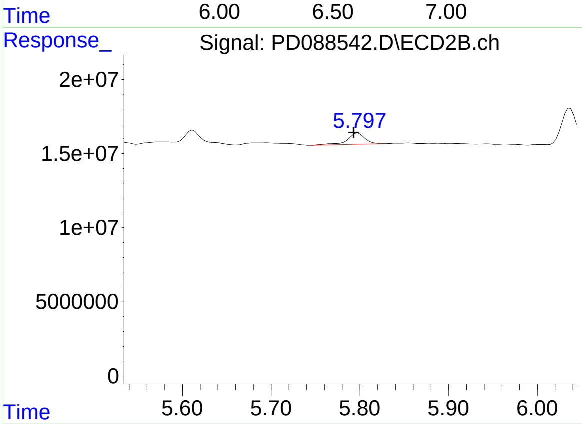

#13 Dieldrin

R.T.: 5.522 min
Delta R.T.: 0.005 min
Response: 2226857
Conc: 0.11 ng/ml



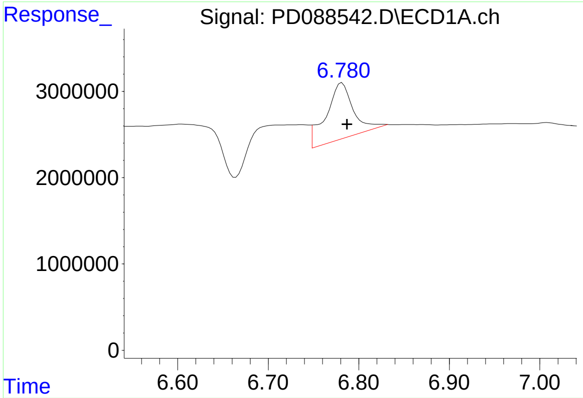

#14 Endrin

R.T.: 6.605 min
Delta R.T.: 0.029 min
Response: -5065
Conc: N.D.




#14 Endrin

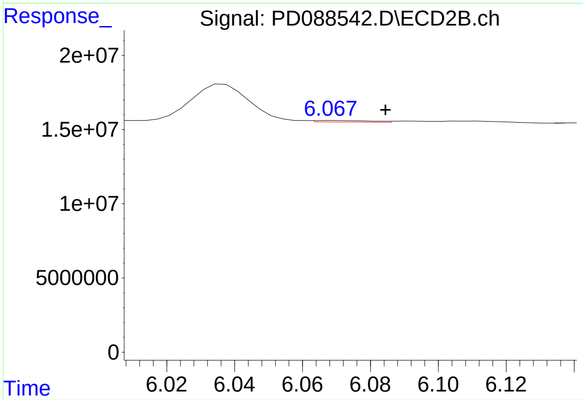
R.T.: 5.798 min
Delta R.T.: 0.005 min
Response: 10273077
Conc: 0.56 ng/ml




#15 Endosulfan II

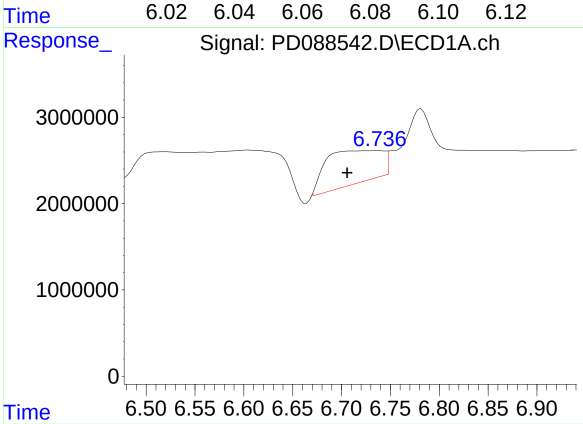
R.T.: 6.782 min
Delta R.T.: -0.006 min
Response: 13933272
Conc: 4.46 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**



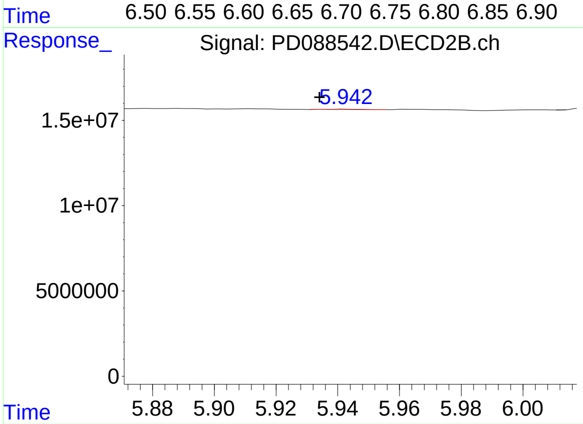

#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.016 min
Response: 1236110
Conc: 0.07 ng/ml



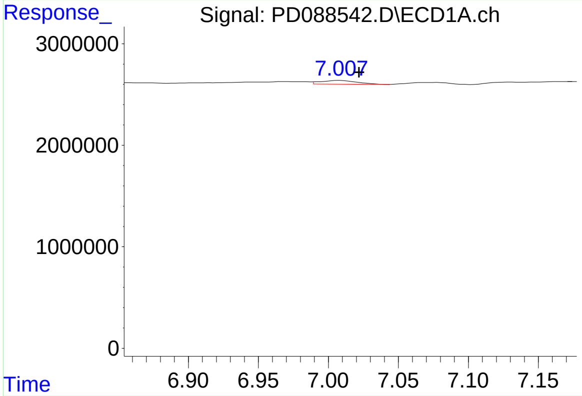

#16 4,4'-DDD

R.T.: 6.737 min
Delta R.T.: 0.031 min
Response: 15373833
Conc: 6.11 ng/ml




#16 4,4'-DDD

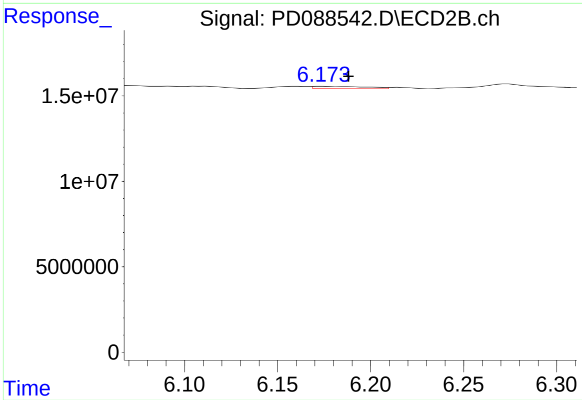
R.T.: 5.943 min
Delta R.T.: 0.009 min
Response: 207998
Conc: 0.01 ng/ml




#17 4,4'-DDT

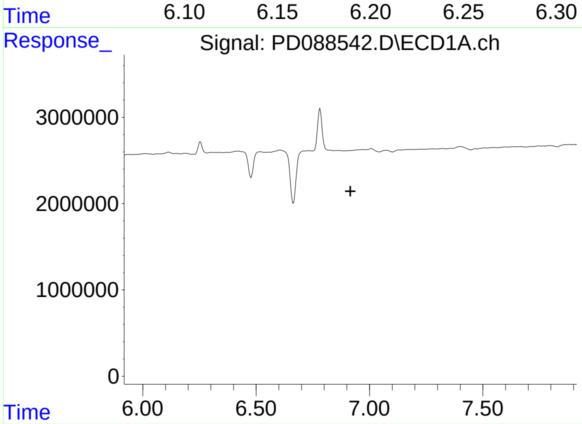
```
      R.T.:    7.008 min
Delta R.T.:   -0.014 min
  Response:    670081
      Conc:   0.24 ng/ml
```

**Instrument :**
ECD_D
**ClientSampleId :**



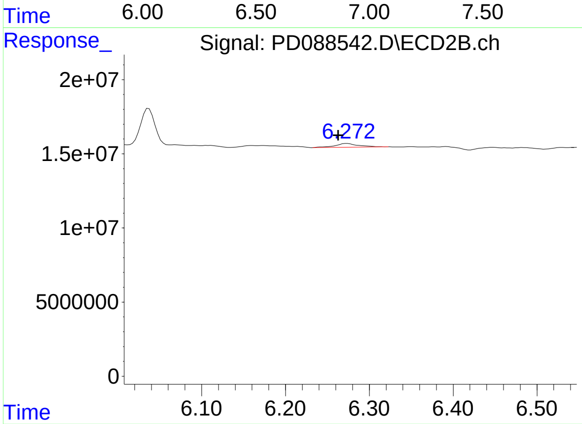

#17 4,4'-DDT

```
      R.T.:    6.175 min
Delta R.T.:   -0.013 min
  Response:   2650659
      Conc:   0.16 ng/ml
```



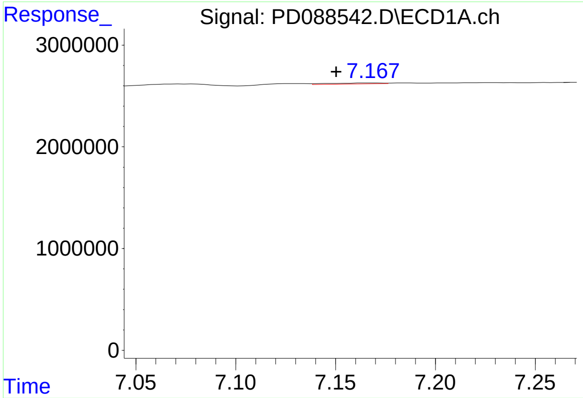

#18 Endrin aldehyde

```
      R.T.:    0.000 min
Exp R.T.  :    6.916 min
  Response:         0
      Conc:   N.D.
```




#18 Endrin aldehyde

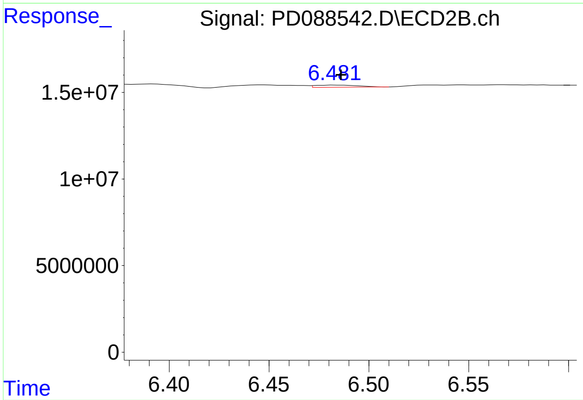
```
      R.T.:    6.274 min
Delta R.T.:    0.011 min
  Response:   4885583
      Conc:   0.37 ng/ml
```




#19 Endosulfan Sulfate

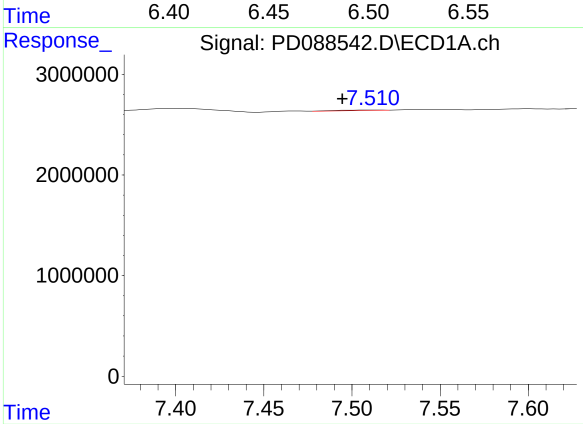
R.T.: 7.169 min
Delta R.T.: 0.019 min
Response: 171297
Conc: 0.06 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**



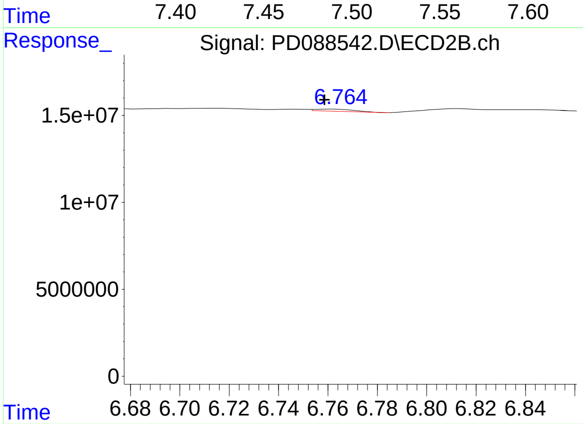

#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 1829938
Conc: 0.11 ng/ml



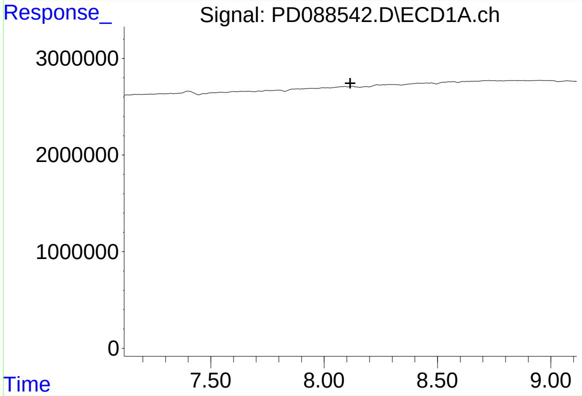

#20 Methoxychlor

R.T.: 7.512 min
Delta R.T.: 0.017 min
Response: 99794
Conc: 0.07 ng/ml




#20 Methoxychlor

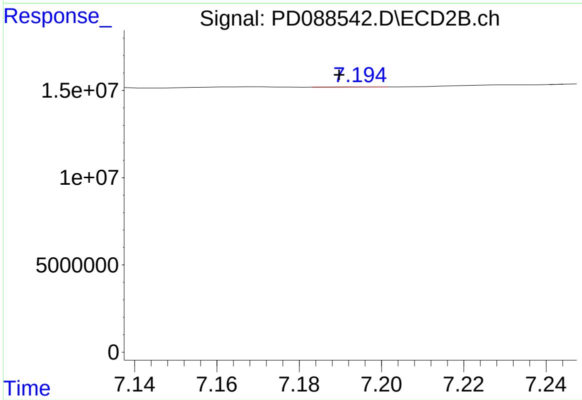
R.T.: 6.762 min
Delta R.T.: 0.004 min
Response: 1404315
Conc: 0.15 ng/ml




#22 Mirex

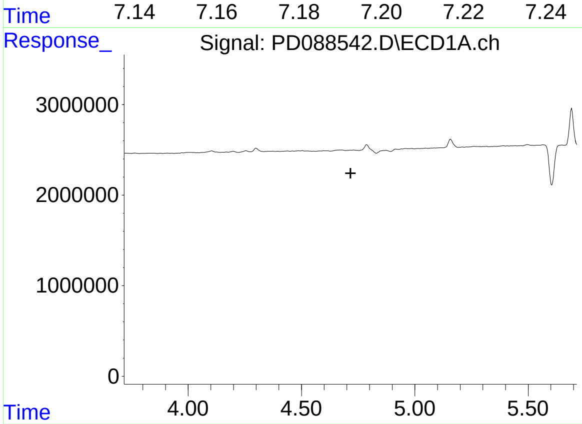
R.T.: 0.000 min
Exp R.T. : 8.115 min
Response: 0
Conc: N.D.

**Instrument :**
ECD_D
**ClientSampleId :**



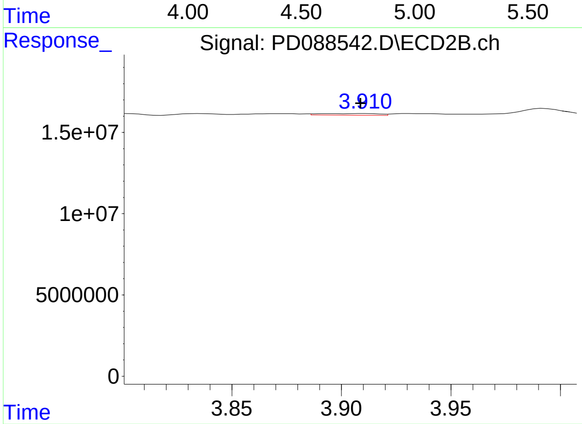

#22 Mirex

R.T.: 7.197 min
Delta R.T.: 0.008 min
Response: 41148
Conc: 0.00 ng/ml



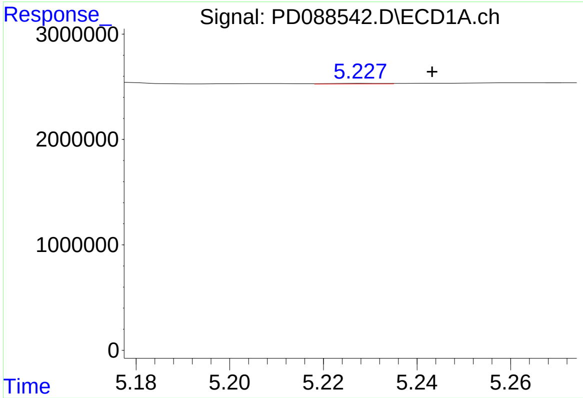

#23 Chlordane-1

R.T.: 0.000 min
Exp R.T. : 4.717 min
Response: 0
Conc: N.D.




#23 Chlordane-1

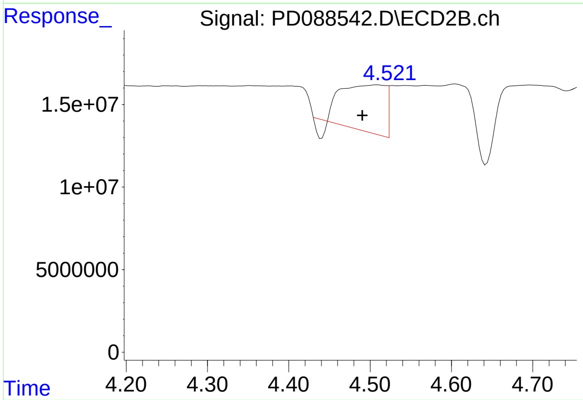
R.T.: 3.911 min
Delta R.T.: 0.002 min
Response: 1868213
Conc: 2.33 ng/ml




#24 Chlordane-2

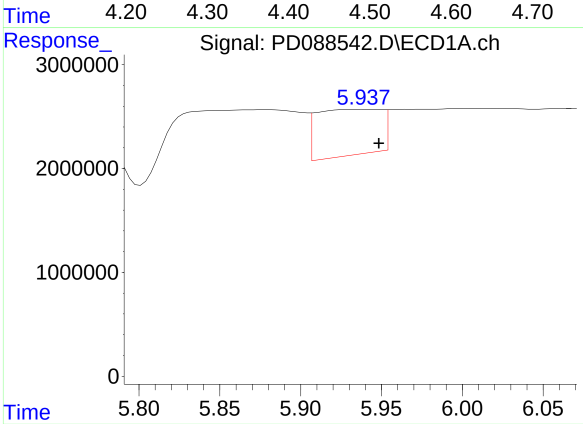
R.T.: 5.229 min
Delta R.T.: -0.014 min
Response: 49435
Conc: 0.30 ng/ml

**Instrument :**
ECD_D
**ClientSampleId :**



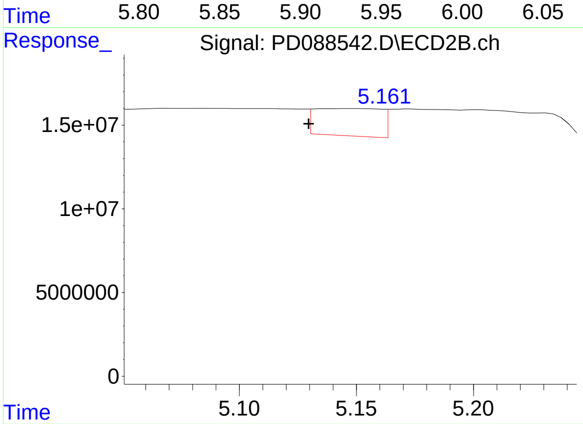

#24 Chlordane-2

R.T.: 4.509 min
Delta R.T.: 0.018 min
Response: 103791285
Conc: 125.76 ng/ml



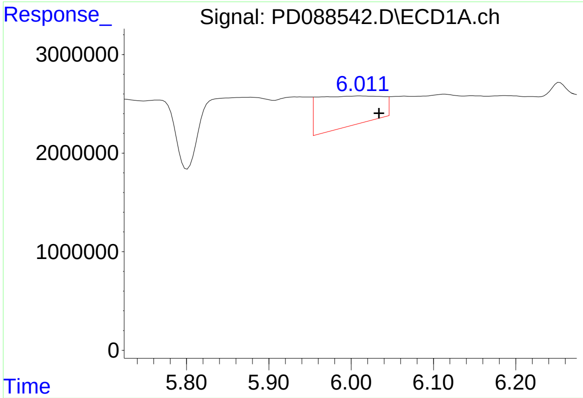

#25 Chlordane-3

R.T.: 5.938 min
Delta R.T.: -0.010 min
Response: 12301043
Conc: 18.24 ng/ml




#25 Chlordane-3

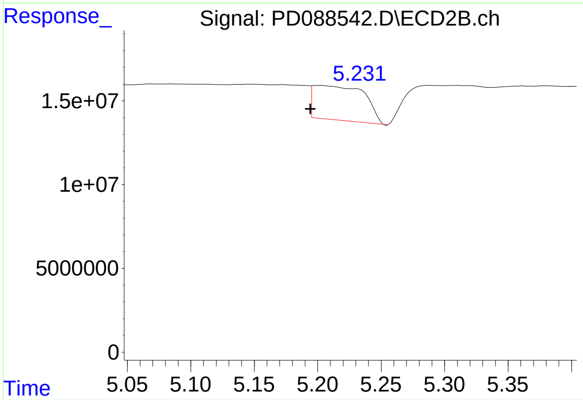
R.T.: 5.151 min
Delta R.T.: 0.022 min
Response: 32040942
Conc: 12.67 ng/ml




#26 Chlordane-4

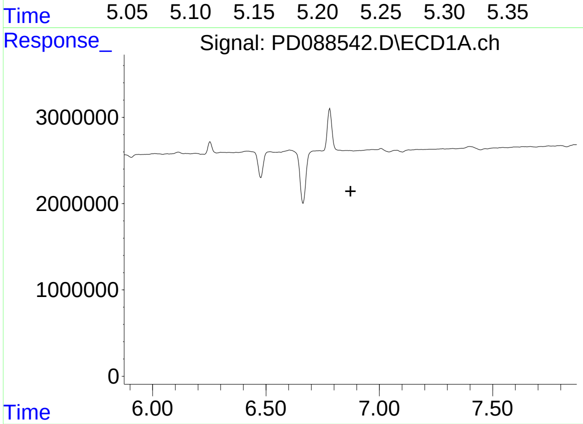
| | |
|---|---|
| R.T.: | 6.012 min |
| Delta R.T.: | -0.022 min |
| Response: | 16327307 |
| Conc: | 20.03 ng/ml |

**Instrument :**
ECD_D
**ClientSampleId :**



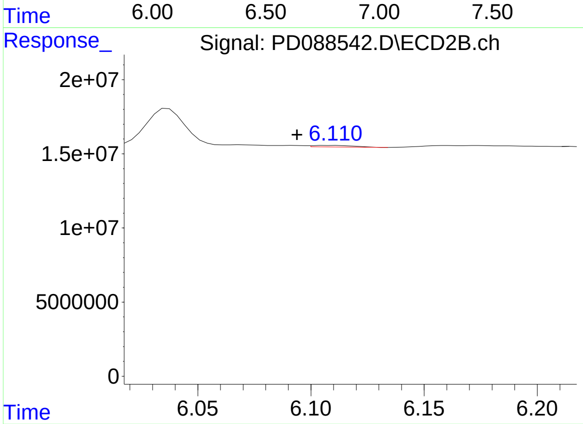

#26 Chlordane-4

| | |
|---|---|
| R.T.: | 5.202 min |
| Delta R.T.: | 0.008 min |
| Response: | 58240400 |
| Conc: | 27.24 ng/ml |



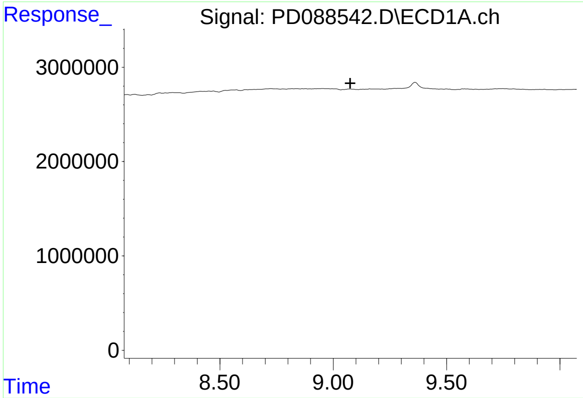

#27 Chlordane-5

| | |
|---|---|
| R.T.: | 0.000 min |
| Exp R.T. : | 6.873 min |
| Response: | 0 |
| Conc: | N.D. |




#27 Chlordane-5

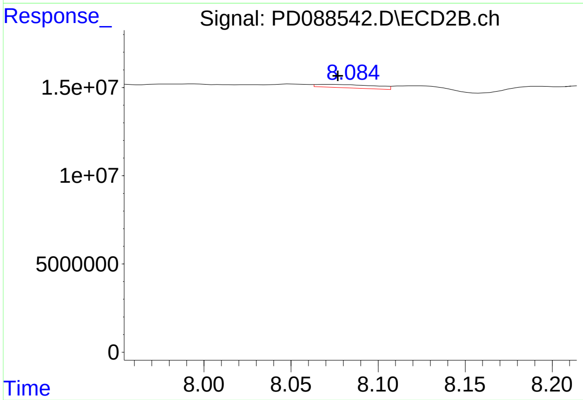
| | |
|---|---|
| R.T.: | 6.110 min |
| Delta R.T.: | 0.016 min |
| Response: | 1385894 |
| Conc: | 1.44 ng/ml |




#28 Decachlorobiphenyl

R.T.: 0.000 min
Exp R.T. : 9.075 min
Response: 0
Conc: N.D.

**Instrument :**
ECD_D
**ClientSampleId :**




#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: -0.006 min
Response: 4495052
Conc: 0.24 ng/ml