Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093021\
Data File : PD066002.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2021 14:27
Operator : AR\AJ
Sample : INDA605
Misc :
ALS Vial : 22 Sample Multiplier: 1

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

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 05 01:58:55 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD092021CLP.M
Quant Title : GC Extractables
QLast Update : Mon Oct 04 09:46:55 2021
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 x 0.50µm

| | | Compound | RT#1 | RT#2 | Resp#1 | Resp#2 | ng/ml | ng/ml | |
|---|---|---|---|---|---|---|---|---|---|
| | | System Monitoring Compounds | | | | | | | |
| 1) | SA | Tetrachlo... | 3.493 | 4.012 | 18057472 | 129.5E6 | 20.864 | 18.208 | |
| 27) | SA | Decachlor... | 8.234 | 9.085 | 46510222 | 141.4E6 | 31.454 | 32.702 | |
| | | Target Compounds | | | | | | | |
| 2) | A | alpha-BHC | 3.932 | 4.407 | 25201882 | 166.2E6 | 21.305 | 17.477 | |
| 3) | MA | gamma-BHC... | 4.216 | 4.693 | 26043803 | 164.3E6 | 21.306 | 17.979 | |
| 4) | MA | Heptachlor | 4.513 | 5.197 | 27407816 | 146.3E6 | 21.453 | 17.387 | |
| 5) | MB | Aldrin | 4.760 | 5.502 | 882074 | 2963165 | 0.710 | 0.368 | # |
| 6) | B | beta-BHC | 4.423f | 4.889 | 956741 | 2244852 | 1.448 | 0.499 | # |
| 7) | B | delta-BHC | 0.000 | 5.049f | 0 | 8019818 | N.D. | 0.884 | |
| 8) | B | Heptachlo... | 0.000 | 5.914 | 0 | 1930802 | N.D. | 0.282 | |
| 9) | A | Endosulfan I | 5.541 | 6.250 | 25096572 | 117.5E6 | 21.028 | 18.003 | |
| 10) | B | trans-Chl... | 0.000 | 6.055f | 0 | 375533 | N.D. | <MDL | |
| 11) | B | cis-Chlor... | 5.541f | 6.250f | 25096572 | 117.5E6 | 19.289 | 16.815 | |
| 12) | B | 4,4'-DDE | 0.000 | 6.354 | 0 | 1139881 | N.D. | 0.175 | |
| 13) | MA | Dieldrin | 5.784 | 6.508 | 54429771 | 243.6E6 | 42.060 | 35.667 | |
| 14) | MA | Endrin | 6.041 | 6.727 | 44148928 | 183.6E6 | 37.546 | 32.904 | |
| 15) | B | Endosulfa... | 6.254f | 6.942 | 2115061 | -1228595 | 1.694 | N.D. | # |
| 16) | A | 4,4'-DDD | 6.163 | 6.850 | 45801832 | 204.7E6 | 42.832 | 37.061 | |
| 17) | MA | 4,4'-DDT | 6.403 | 7.147 | 43526023 | 177.7E6 | 37.531 | 32.846 | |
| 18) | B | Endrin al... | 6.481 | 7.065 | 1201271 | 2466501 | 1.215 | 0.530 | # |
| 19) | B | Endosulfa... | 0.000 | 7.290 | 0 | 63543 | N.D. | <MDL | |
| 20) | A | Methoxychlor | 6.949 | 7.608 | 127.9E6 | 432.5E6 | 185.939 | 165.615 | |
| 21) | B | Endrin ke... | 7.187 | 7.761 | 4808920 | 11294957 | 3.155 | 1.757 | # |
| 22) | | Toxaphene-1 | 5.784 | 6.354 | 54429771 | 1139881 | 6101.772 | 37.005 | # |
| 23) | | Toxaphene-2 | 6.254 | 6.727 | 2115061 | 183.6E6 | 195.450 | 5102.086 | # |
| 24) | | Toxaphene-3 | 6.403 | 7.147 | 43526023 | 177.7E6 | 1902.918 | 1887.582 | |
| 25) | | Toxaphene-4 | 0.000 | 7.290 | 0 | 63543 | N.D. | 0.661 | |

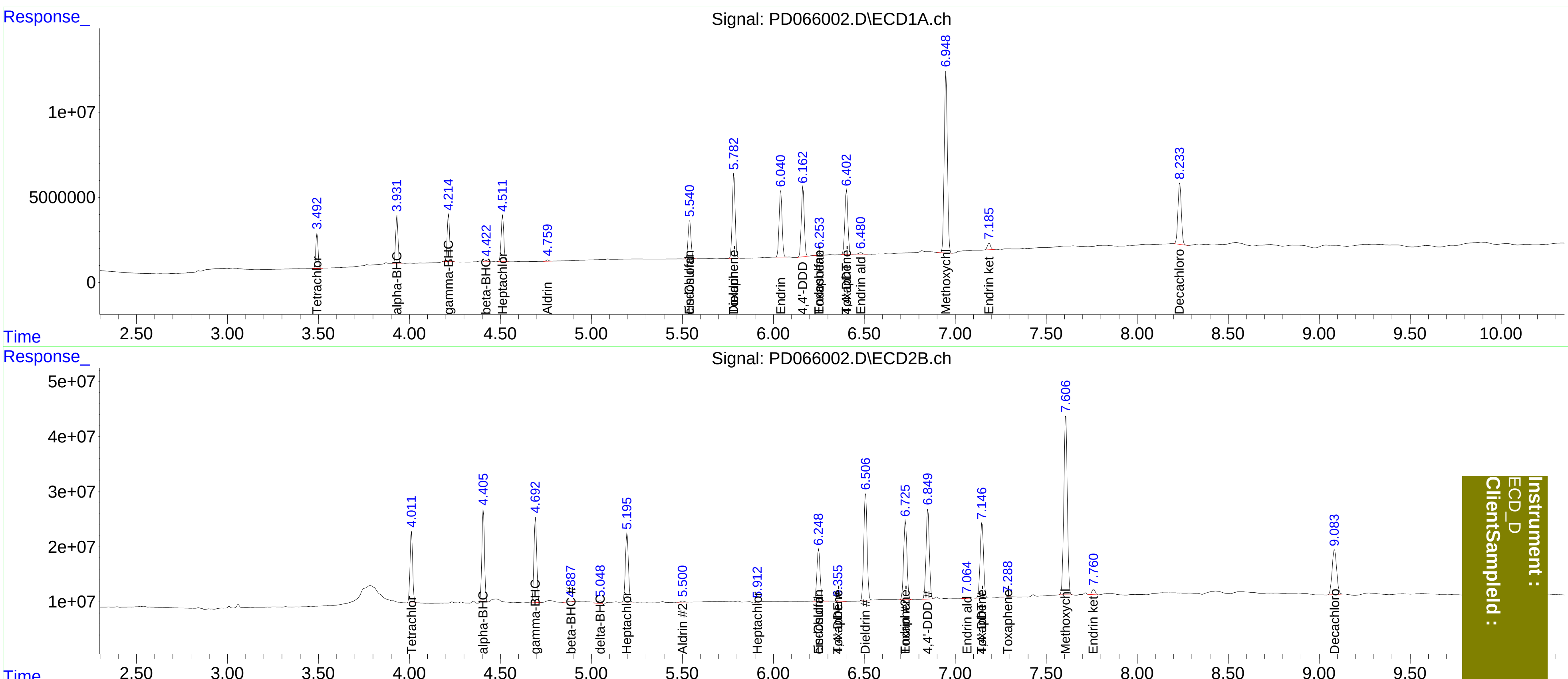
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Quantitation Report    (Not Reviewed)

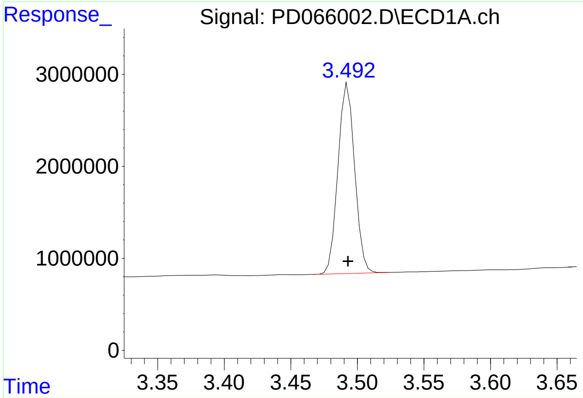
```
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093021\
Data File : PD066002.D
Signal(s) : Signal #1: ECD1A.ch  Signal #2: ECD2B.ch
Acq On    : 30 Sep 2021  14:27
Operator  : AR\AJ
Sample    : INDA605
Misc      :
ALS Vial  : 22   Sample Multiplier: 1

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 05 01:58:55 2021
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD092021CLP.M
Quant Title  : GC Extractables
QLast Update : Mon Oct 04 09:46:55 2021
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 x 0.50µm
```



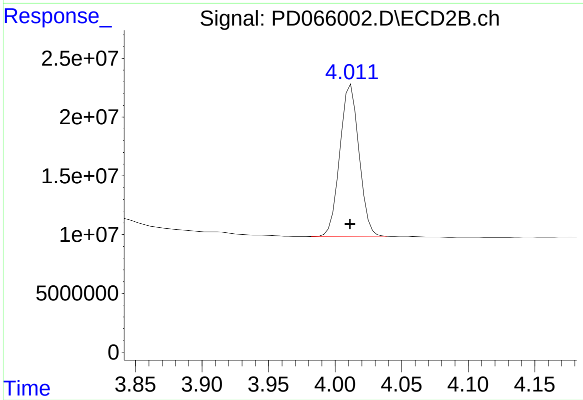

Instrument : ECD_D
ClientSampleId :




#1 Tetrachloro-m-xylene

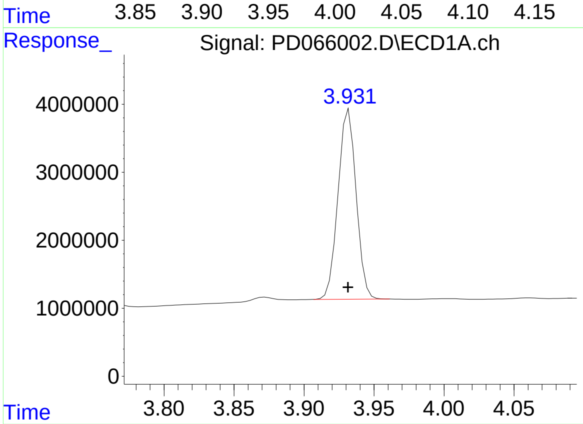
R.T.: 3.493 min
Delta R.T.: 0.000 min
Response: 18057472
Conc: 20.86 ng/ml

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



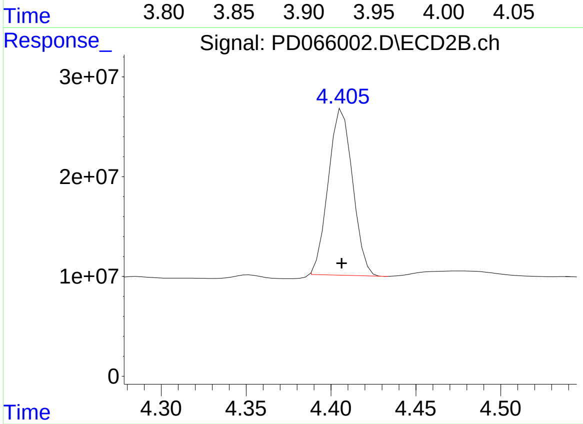

#1 Tetrachloro-m-xylene

R.T.: 4.012 min
Delta R.T.: 0.000 min
Response: 129477148
Conc: 18.21 ng/ml



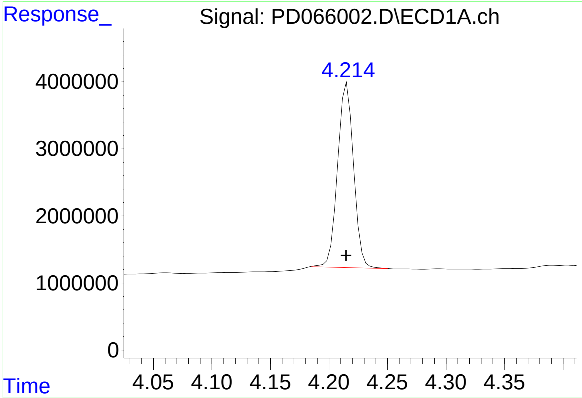

#2 alpha-BHC

R.T.: 3.932 min
Delta R.T.: 0.000 min
Response: 25201882
Conc: 21.30 ng/ml




#2 alpha-BHC

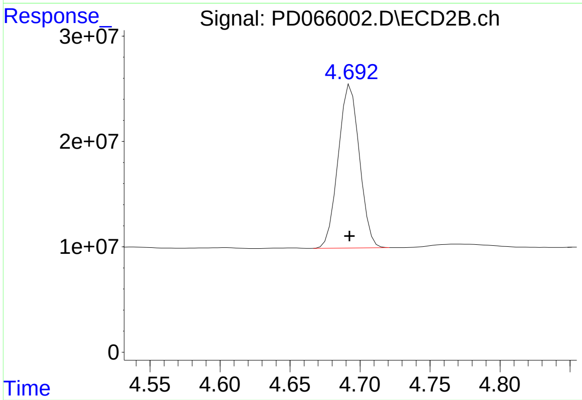
R.T.: 4.407 min
Delta R.T.: 0.000 min
Response: 166157418
Conc: 17.48 ng/ml




#3 gamma-BHC (Lindane)

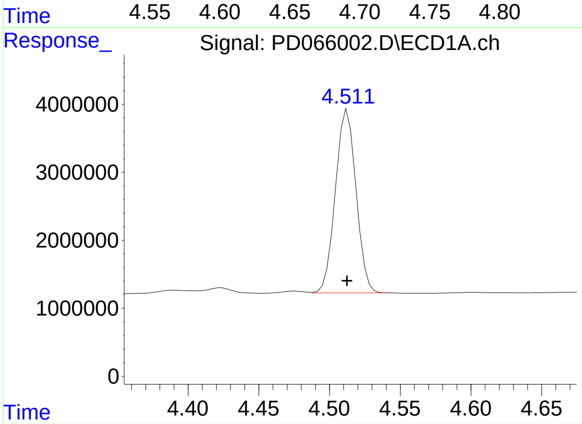
R.T.: 4.216 min
Delta R.T.: 0.000 min
Response: 26043803
Conc: 21.31 ng/ml

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



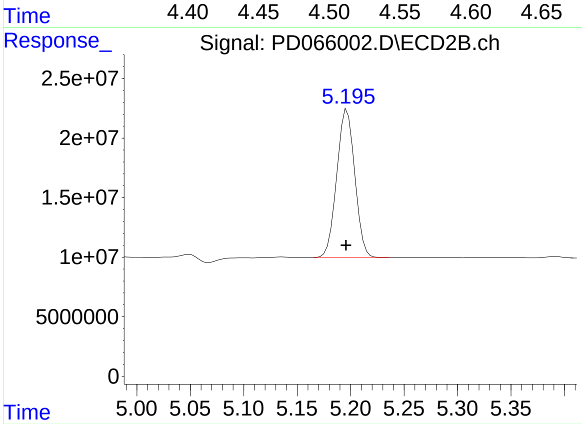

#3 gamma-BHC (Lindane)

R.T.: 4.693 min
Delta R.T.: 0.000 min
Response: 164325016
Conc: 17.98 ng/ml



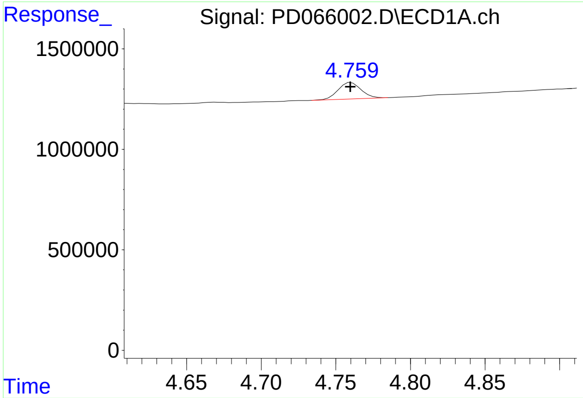

#4 Heptachlor

R.T.: 4.513 min
Delta R.T.: 0.000 min
Response: 27407816
Conc: 21.45 ng/ml




#4 Heptachlor

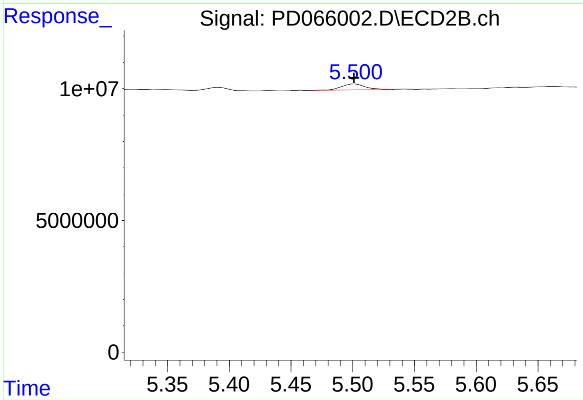
R.T.: 5.197 min
Delta R.T.: 0.001 min
Response: 146305831
Conc: 17.39 ng/ml




#5 Aldrin

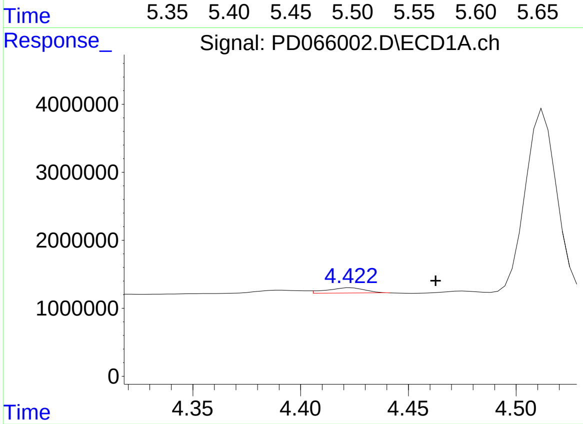
R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 882074
Conc: 0.71 ng/ml

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



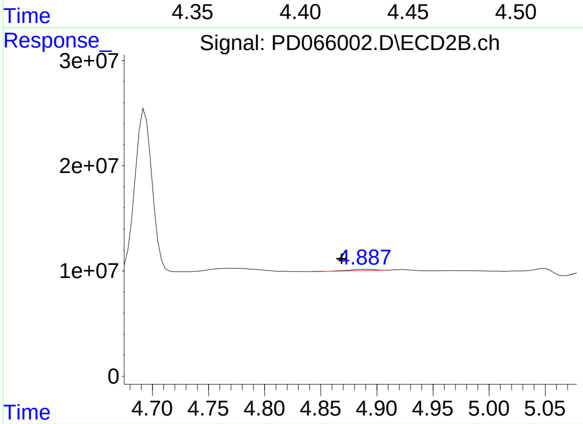

#5 Aldrin

R.T.: 5.502 min
Delta R.T.: 0.000 min
Response: 2963165
Conc: 0.37 ng/ml



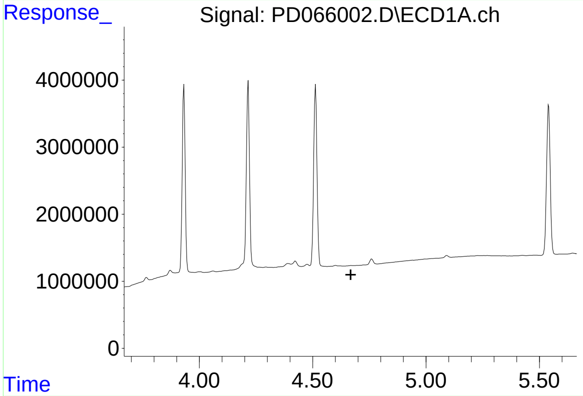

#6 beta-BHC

R.T.: 4.423 min
Delta R.T.: -0.039 min
Response: 956741
Conc: 1.45 ng/ml




#6 beta-BHC

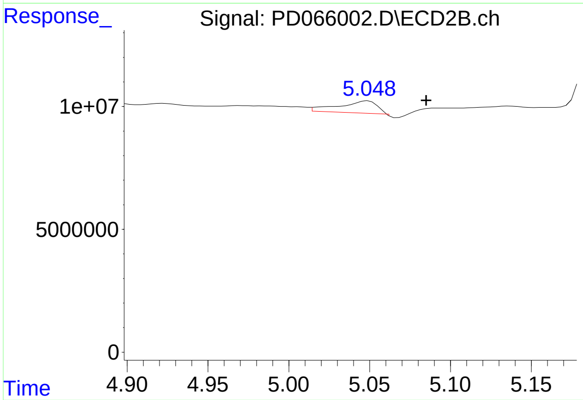
R.T.: 4.889 min
Delta R.T.: 0.020 min
Response: 2244852
Conc: 0.50 ng/ml




#7 delta-BHC

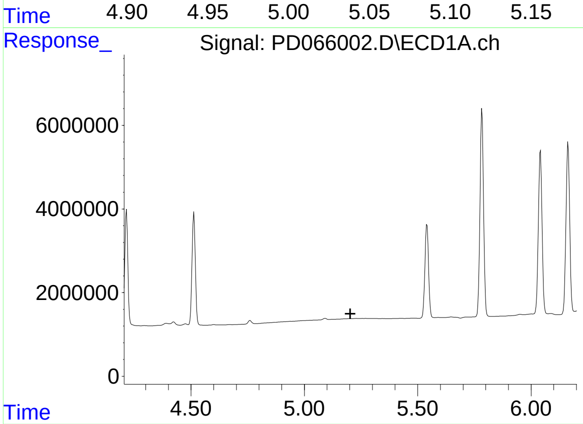
R.T.: 0.000 min
Exp R.T. : 4.668 min
Response: 0
Conc: N.D.

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



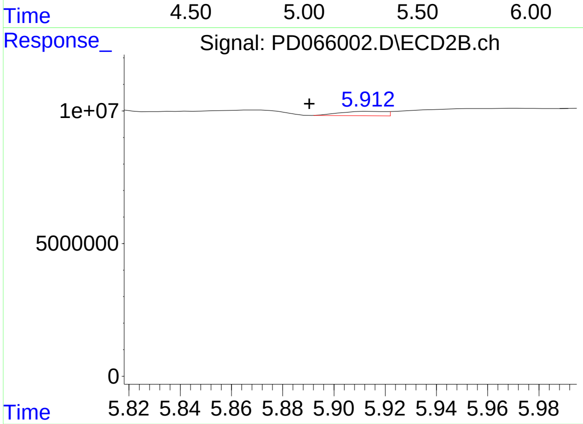

#7 delta-BHC

R.T.: 5.049 min
Delta R.T.: -0.036 min
Response: 8019818
Conc: 0.88 ng/ml



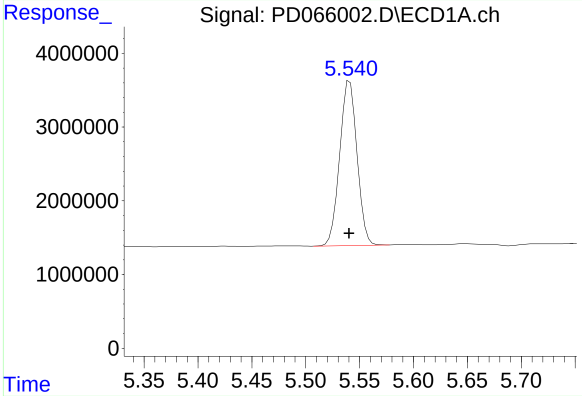

#8 Heptachlor epoxide

R.T.: 0.000 min
Exp R.T. : 5.202 min
Response: 0
Conc: N.D.




#8 Heptachlor epoxide

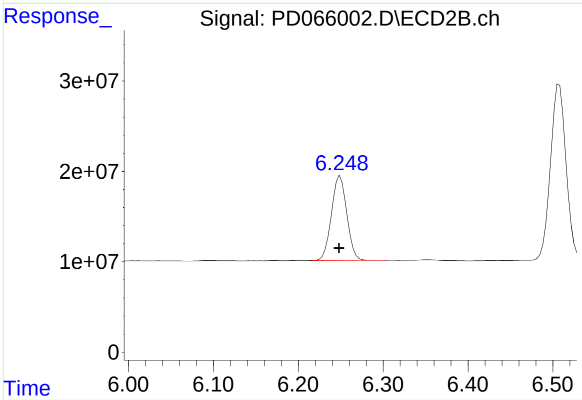
R.T.: 5.914 min
Delta R.T.: 0.024 min
Response: 1930802
Conc: 0.28 ng/ml




#9 Endosulfan I

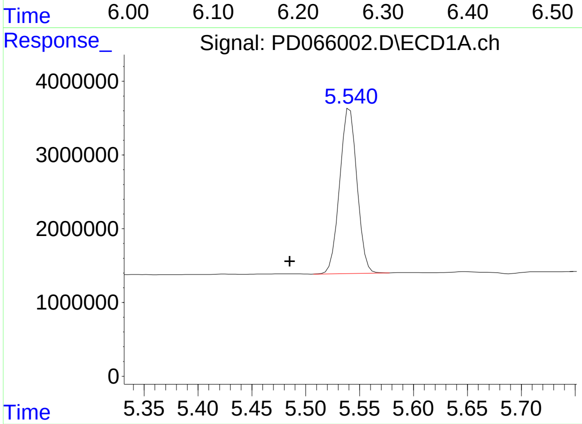
R.T.: 5.541 min
Delta R.T.: 0.000 min
Response: 25096572
Conc: 21.03 ng/ml

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



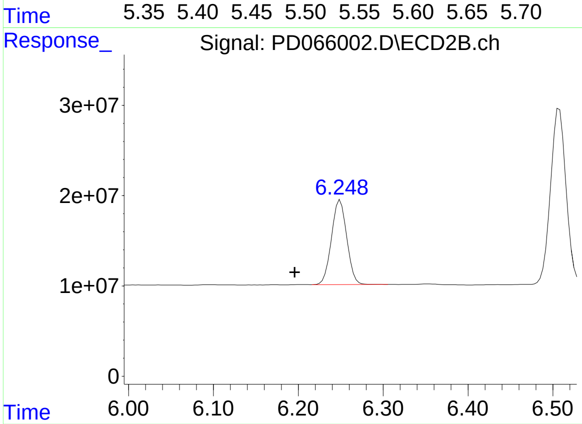

#9 Endosulfan I

R.T.: 6.250 min
Delta R.T.: 0.002 min
Response: 117460672
Conc: 18.00 ng/ml



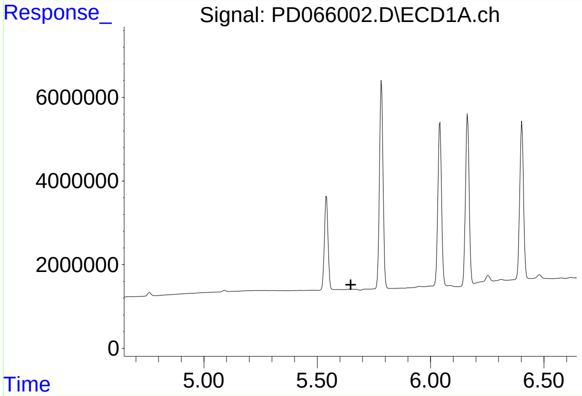

#11 cis-Chlordane

R.T.: 5.541 min
Delta R.T.: 0.056 min
Response: 25096572
Conc: 19.29 ng/ml




#11 cis-Chlordane

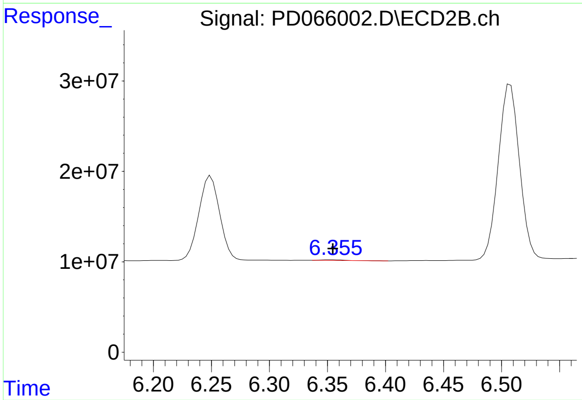
R.T.: 6.250 min
Delta R.T.: 0.054 min
Response: 117460672
Conc: 16.82 ng/ml




#12 4,4'-DDE

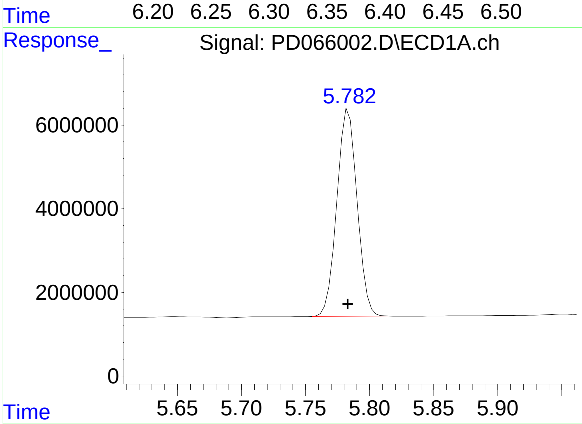
| | |
|---|---|
| R.T.: | 0.000 min |
| Exp R.T. : | 5.648 min |
| Response: | 0 |
| Conc: | N.D. |

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



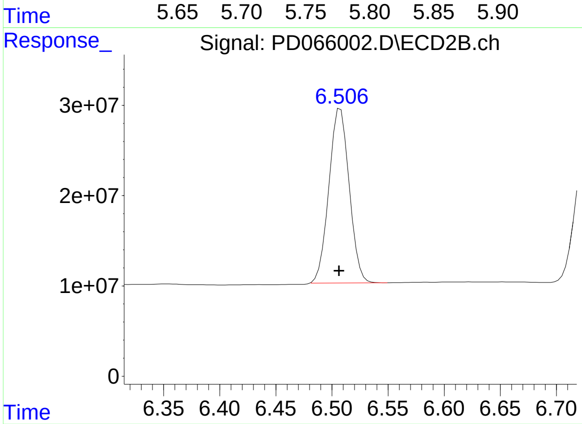

#12 4,4'-DDE

| | |
|---|---|
| R.T.: | 6.354 min |
| Delta R.T.: | 0.000 min |
| Response: | 1139881 |
| Conc: | 0.17 ng/ml |



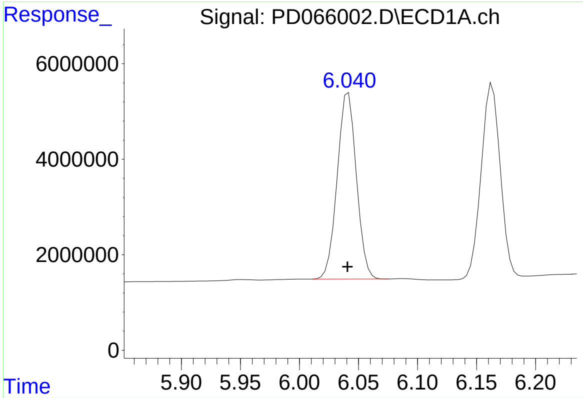

#13 Dieldrin

| | |
|---|---|
| R.T.: | 5.784 min |
| Delta R.T.: | 0.000 min |
| Response: | 54429771 |
| Conc: | 42.06 ng/ml |




#13 Dieldrin

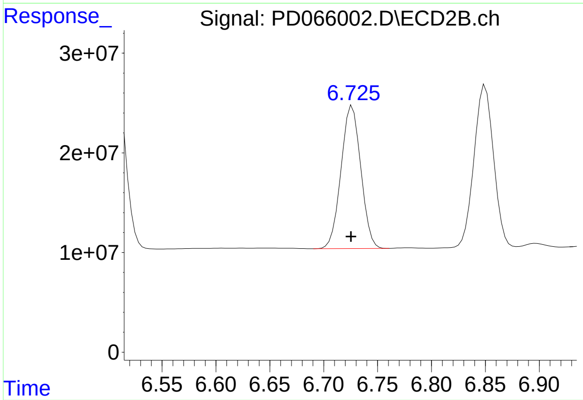
| | |
|---|---|
| R.T.: | 6.508 min |
| Delta R.T.: | 0.001 min |
| Response: | 243587752 |
| Conc: | 35.67 ng/ml |




#14 Endrin

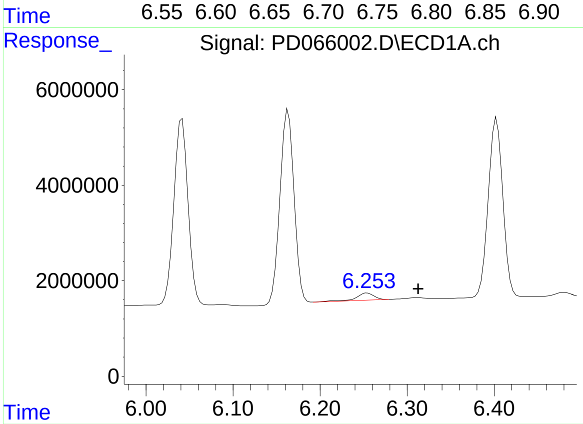
R.T.: 6.041 min
Delta R.T.: 0.000 min
Response: 44148928
Conc: 37.55 ng/ml

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



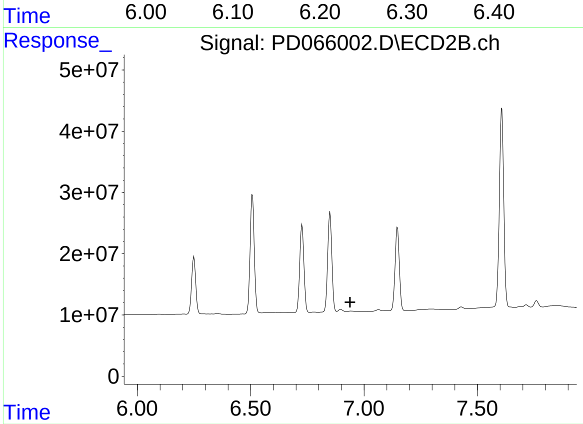

#14 Endrin

R.T.: 6.727 min
Delta R.T.: 0.001 min
Response: 183569770
Conc: 32.90 ng/ml



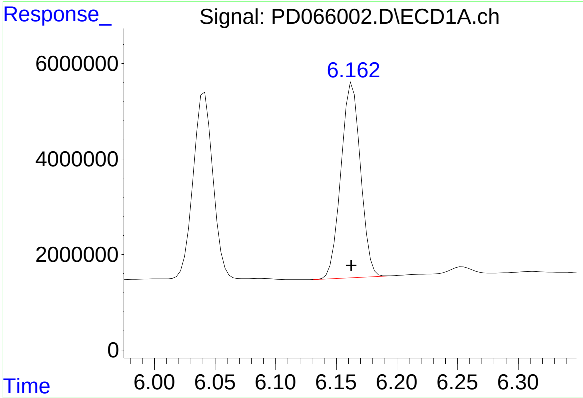

#15 Endosulfan II

R.T.: 6.254 min
Delta R.T.: -0.058 min
Response: 2115061
Conc: 1.69 ng/ml




#15 Endosulfan II

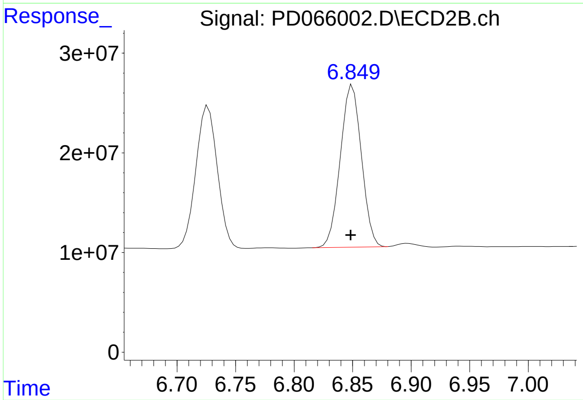
R.T.: 6.942 min
Delta R.T.: 0.003 min
Response: -1228595
Conc: N.D.




#16 4,4'-DDD

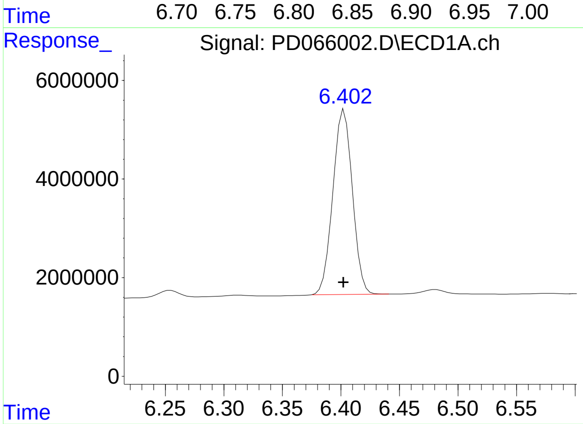
R.T.: 6.163 min
Delta R.T.: 0.000 min
Response: 45801832
Conc: 42.83 ng/ml

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



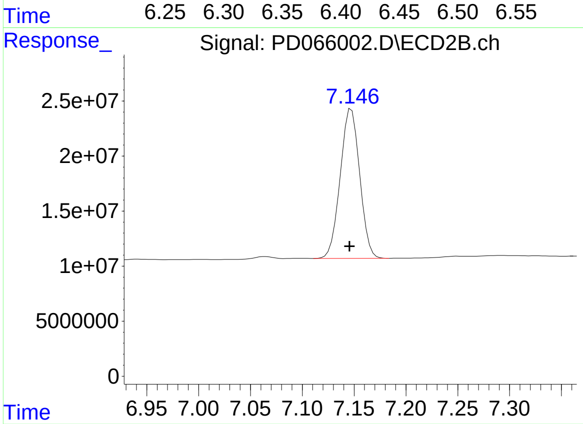

#16 4,4'-DDD

R.T.: 6.850 min
Delta R.T.: 0.002 min
Response: 204689331
Conc: 37.06 ng/ml



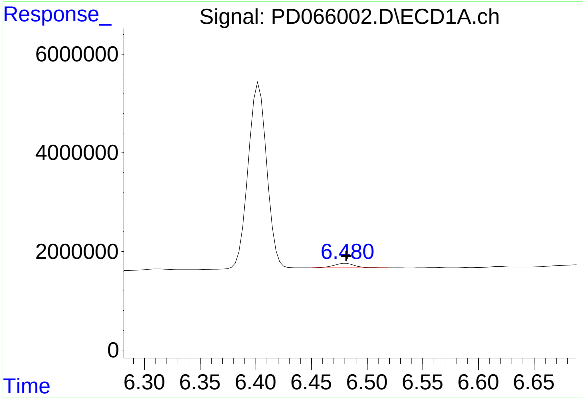

#17 4,4'-DDT

R.T.: 6.403 min
Delta R.T.: 0.000 min
Response: 43526023
Conc: 37.53 ng/ml




#17 4,4'-DDT

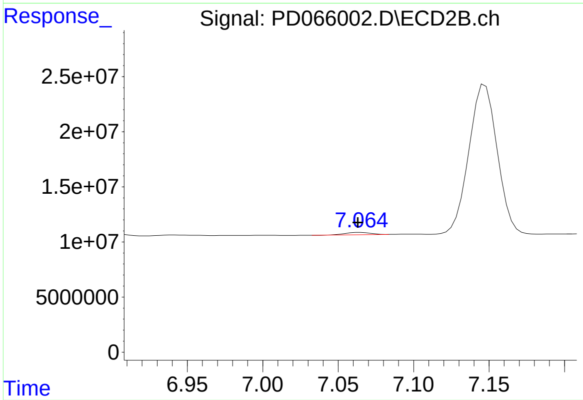
R.T.: 7.147 min
Delta R.T.: 0.002 min
Response: 177711365
Conc: 32.85 ng/ml




#18 Endrin aldehyde

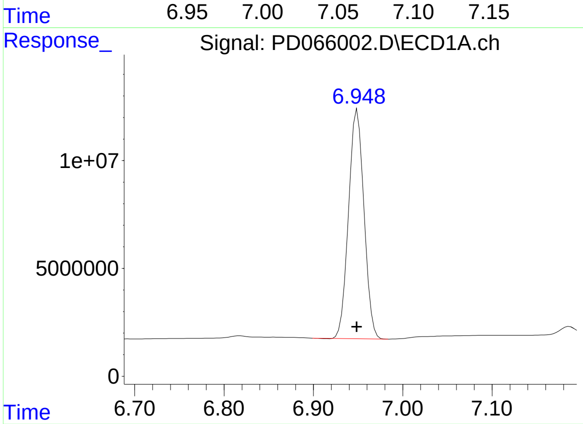
R.T.: 6.481 min
Delta R.T.: 0.000 min
Response: 1201271
Conc: 1.21 ng/ml

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



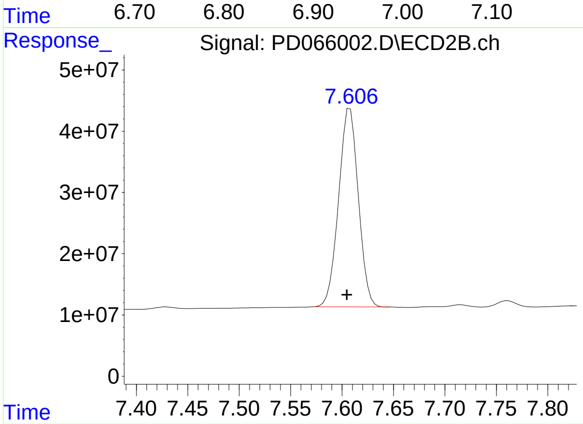

#18 Endrin aldehyde

R.T.: 7.065 min
Delta R.T.: 0.002 min
Response: 2466501
Conc: 0.53 ng/ml



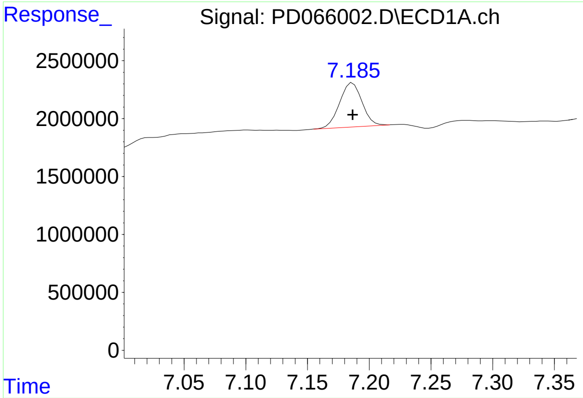

#20 Methoxychlor

R.T.: 6.949 min
Delta R.T.: 0.000 min
Response: 127890735
Conc: 185.94 ng/ml




#20 Methoxychlor

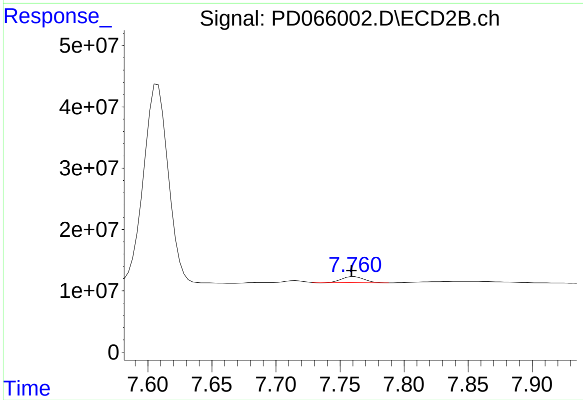
R.T.: 7.608 min
Delta R.T.: 0.003 min
Response: 432479954
Conc: 165.62 ng/ml




#21 Endrin ketone

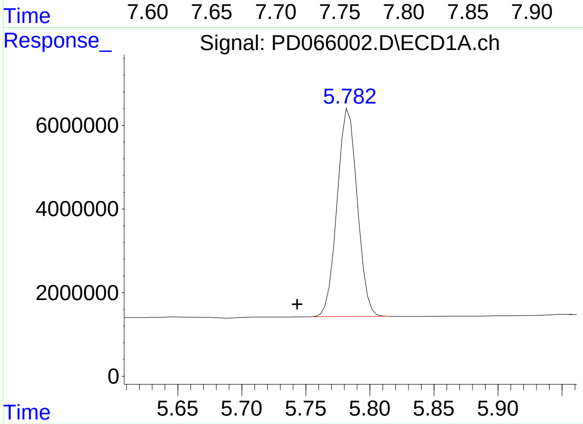
R.T.: 7.187 min
Delta R.T.: 0.000 min
Response: 4808920
Conc: 3.15 ng/ml

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



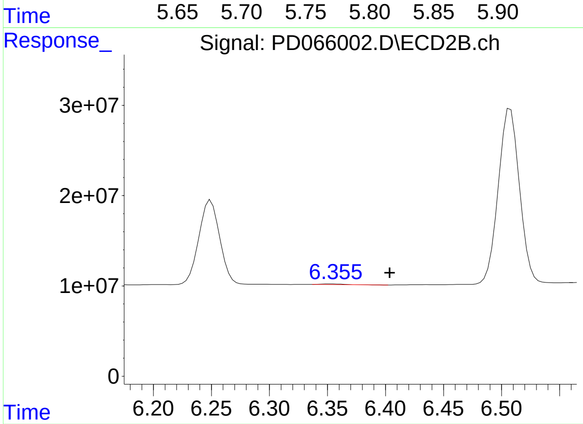

#21 Endrin ketone

R.T.: 7.761 min
Delta R.T.: 0.002 min
Response: 11294957
Conc: 1.76 ng/ml



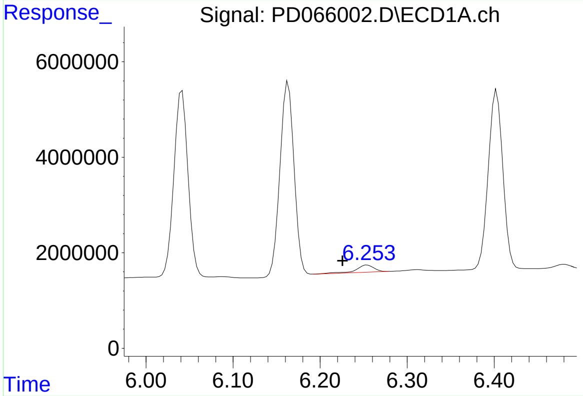

#22 Toxaphene-1

R.T.: 5.784 min
Delta R.T.: 0.040 min
Response: 54429771
Conc: 6101.77 ng/ml




#22 Toxaphene-1

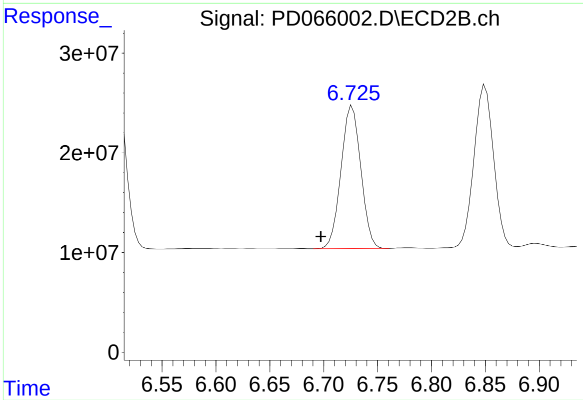
R.T.: 6.354 min
Delta R.T.: -0.049 min
Response: 1139881
Conc: 37.01 ng/ml




#23 Toxaphene-2

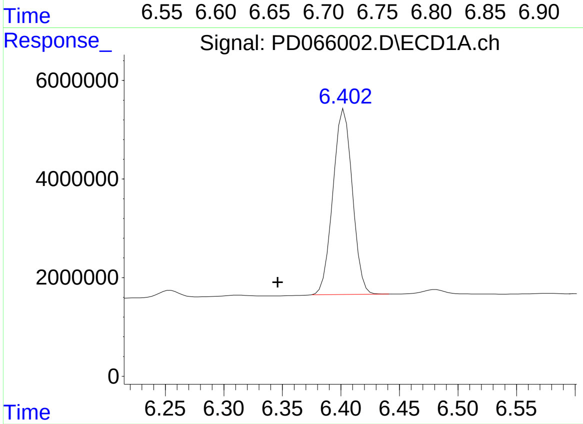
R.T.: 6.254 min
Delta R.T.: 0.029 min
Response: 2115061
Conc: 195.45 ng/ml

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



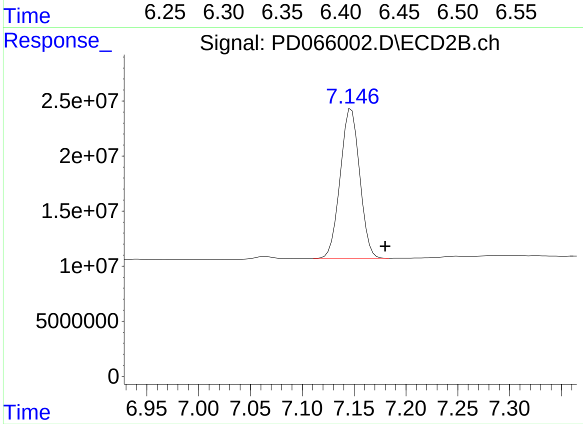

#23 Toxaphene-2

R.T.: 6.727 min
Delta R.T.: 0.029 min
Response: 183569770
Conc: 5102.09 ng/ml



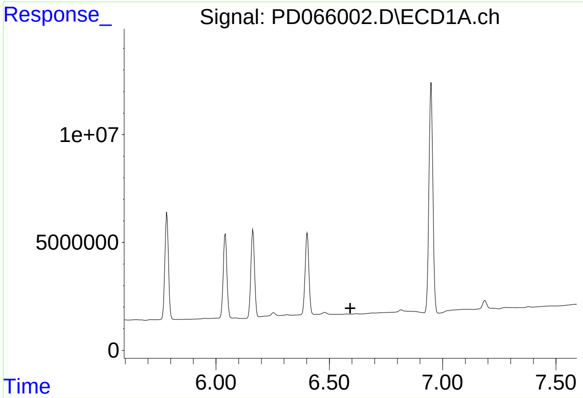

#24 Toxaphene-3

R.T.: 6.403 min
Delta R.T.: 0.057 min
Response: 43526023
Conc: 1902.92 ng/ml




#24 Toxaphene-3

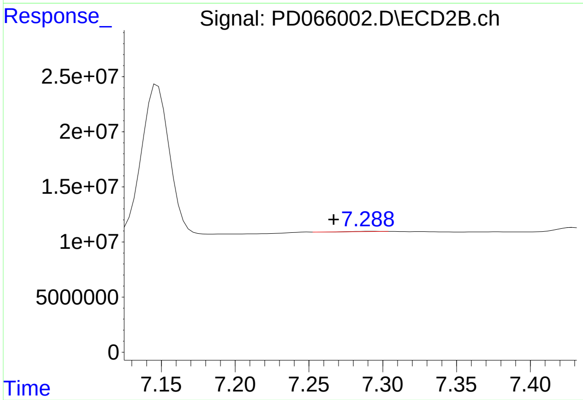
R.T.: 7.147 min
Delta R.T.: -0.033 min
Response: 177711365
Conc: 1887.58 ng/ml




#25 Toxaphene-4

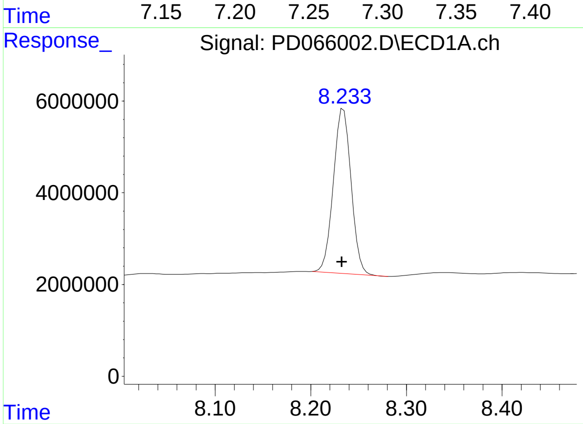
R.T.: 0.000 min
Exp R.T. : 6.592 min
Response: 0
Conc: N.D.

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



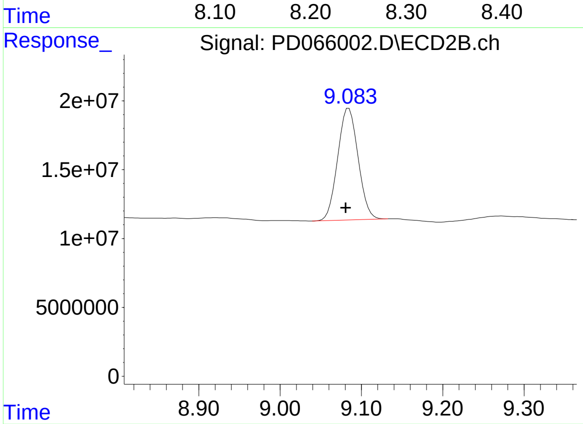

#25 Toxaphene-4

R.T.: 7.290 min
Delta R.T.: 0.023 min
Response: 63543
Conc: 0.66 ng/ml




#27 Decachlorobiphenyl

R.T.: 8.234 min
Delta R.T.: 0.002 min
Response: 46510222
Conc: 31.45 ng/ml




#27 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.004 min
Response: 141422611
Conc: 32.70 ng/ml