

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD072222\  
 Data File : PD071076.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jul 2022 11:01  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 21 23:46:02 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071922.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Jul 20 05:30:10 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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... | 3.473  | 4.125 | 61658977 | 545.5E6  | 21.277  | 18.867   |
| 28)                         | SA Decachlor... | 8.241  | 9.321 | 59212197 | 231.5E6  | 19.380  | 20.301   |
| Target Compounds            |                 |        |       |          |          |         |          |
| 2)                          | A alpha-BHC     | 3.915  | 4.530 | 57854953 | 402.5E6  | 13.187  | 10.620   |
| 3)                          | MA gamma-BHC... | 4.198  | 4.823 | 44407499 | 361.5E6  | 10.227  | 12.103   |
| 5)                          | MB Aldrin       | 4.744  | 5.648 | 190949   | 2607951  | 0.046   | 0.141 #  |
| 6)                          | B beta-BHC      | 4.448  | 5.000 | 21255606 | 163.1E6  | 12.717  | 12.156   |
| 7)                          | B delta-BHC     | 4.632f | 0.000 | 473586   | 0        | 0.120   | N.D. #   |
| 8)                          | B Heptachlo...  | 5.185  | 6.045 | 773009   | 6695285  | 0.206   | 0.443 #  |
| 9)                          | A Endosulfan I  | 5.525  | 6.407 | 2439716  | 21296009 | 0.699   | 1.467 #  |
| 10)                         | B gamma-Chl...  | 5.407  | 6.292 | 3856870  | 21363614 | 0.992   | 1.355 #  |
| 11)                         | B alpha-Chl...  | 5.470  | 6.353 | 1969930  | 22121316 | 0.515   | 1.438 #  |
| 12)                         | B 4,4'-DDE      | 5.641  | 6.510 | 3367530  | 7826264  | 0.956   | 0.521 #  |
| 13)                         | MA Dieldrin     | 5.768  | 6.669 | 3225083  | 19247457 | 0.859   | 1.260 #  |
| 14)                         | MA Endrin       | 6.034  | 6.897 | 167.2E6  | 585.5E6  | 53.541  | 56.445   |
| 15)                         | B Endosulfa...  | 6.309  | 7.098 | 5212364  | 26090552 | 1.733   | 2.084    |
| 16)                         | A 4,4'-DDD      | 6.160  | 7.010 | 5712318  | 1114907  | 1.946   | 0.090 #  |
| 17)                         | MA 4,4'-DDT     | 6.402  | 7.314 | 337.5E6  | 1282.7E6 | 110.242 | 95.774   |
| 18)                         | B Endrin al...  | 6.476  | 7.236 | 5966373  | 33516042 | 2.488   | 3.324 #  |
| 19)                         | B Endosulfa...  | 6.690  | 7.460 | 407208   | 1898665  | 0.137   | 0.157    |
| 20)                         | A Methoxychlor  | 6.952  | 7.773 | 402.7E6  | 1560.9E6 | 243.604 | 227.159  |
| 21)                         | B Endrin ke...  | 7.183  | 7.944 | 17513382 | 17971074 | 5.056   | 1.298 #  |
| 22)                         | Mirex           | 7.390f | 0.000 | 170379   | 0        | 0.061   | N.D. #   |
| 23)                         | Chlordane-1     | 4.374f | 5.162 | 9905921  | 45238760 | 91.841  | 55.425 # |
| 24)                         | Chlordane-2     | 0.000  | 5.620 | 0        | 2927406  | N.D.    | 4.909 #  |
| 25)                         | Chlordane-3     | 5.407  | 6.292 | 3856870  | 21363614 | 10.829  | 10.818   |
| 26)                         | Chlordane-4     | 5.470  | 6.353 | 1969930  | 22121316 | 6.680   | 9.644 #  |
| 27)                         | Chlordane-5     | 6.309  | 7.180 | 5212364  | 20141855 | 42.569  | 41.222   |
| -----                       |                 |        |       |          |          |         |          |

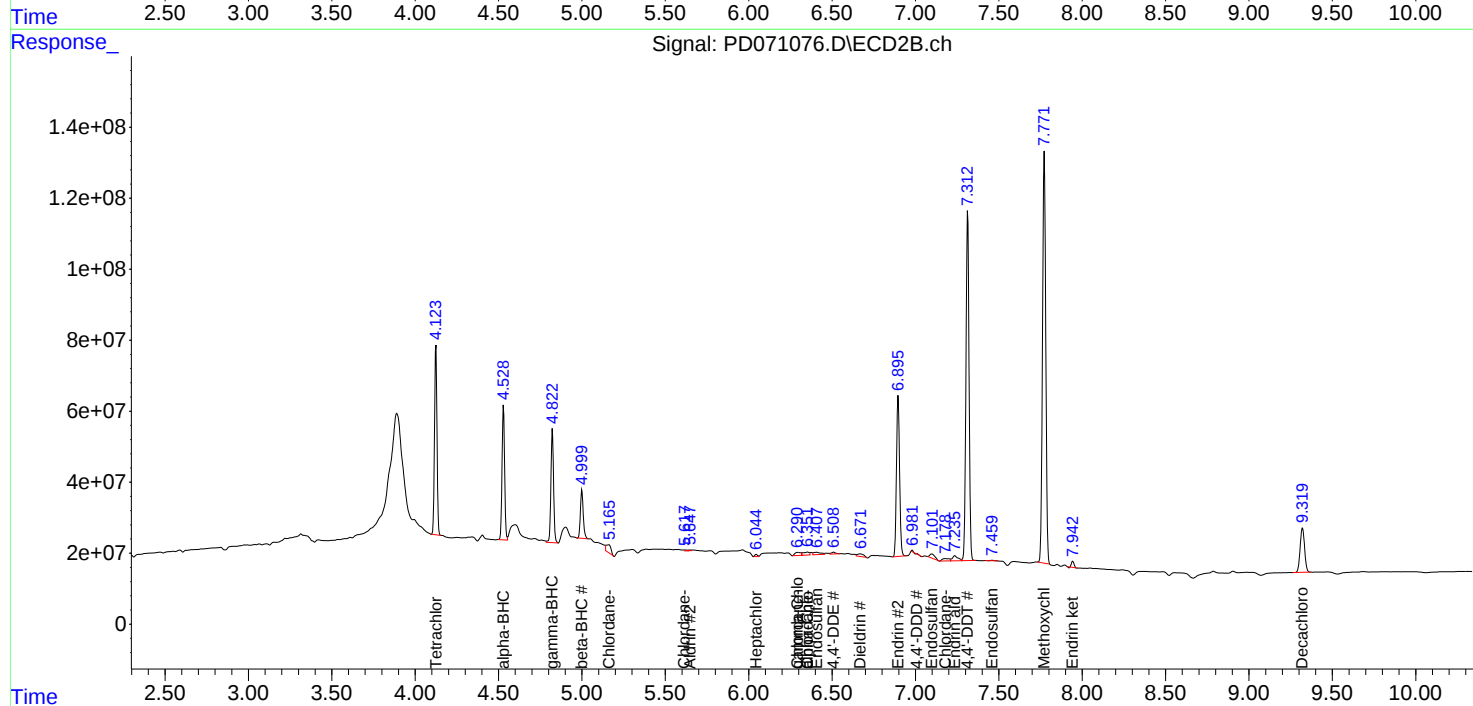
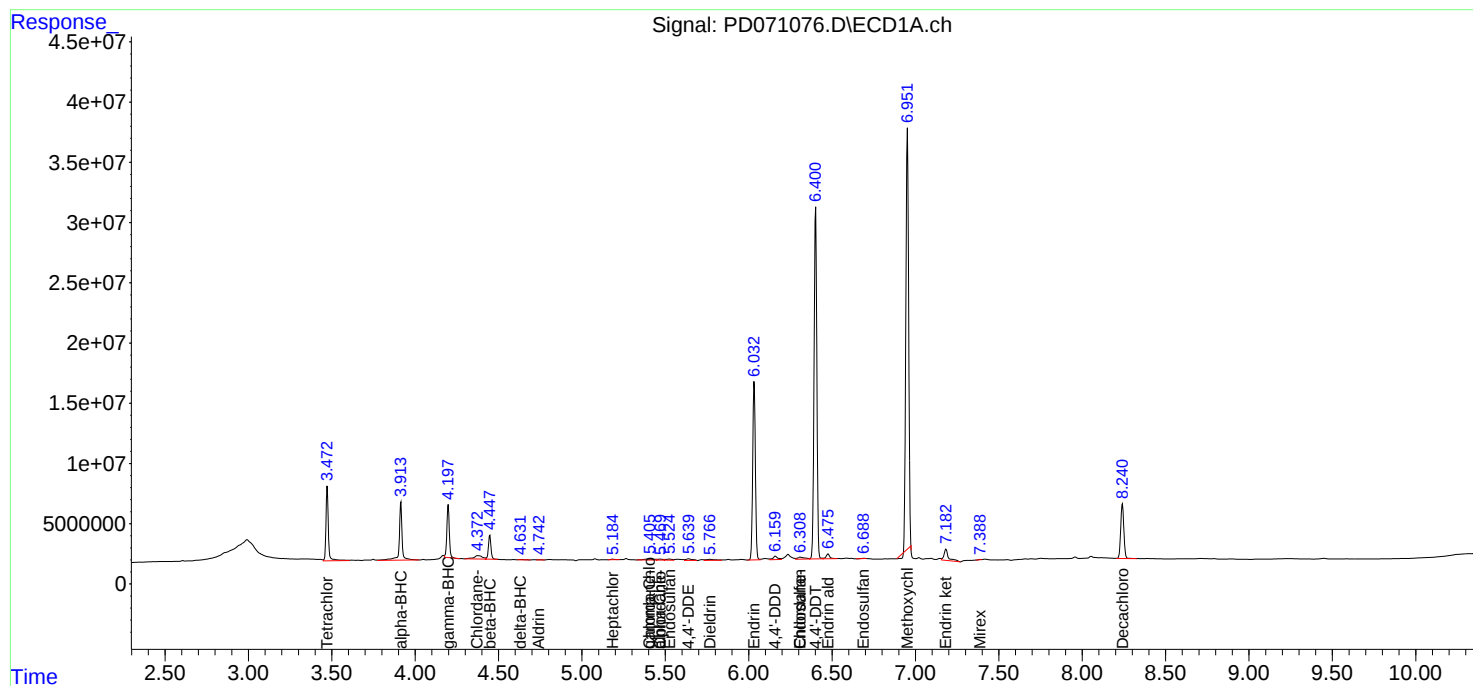
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

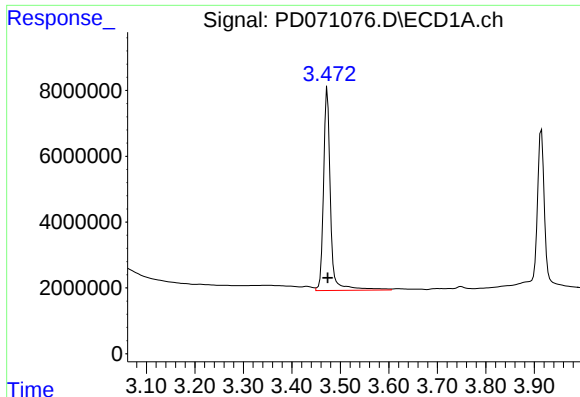
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD072222\  
Data File : PD071076.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jul 2022 11:01  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 21 23:46:02 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD071922.M  
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Volume Inj. : 2 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

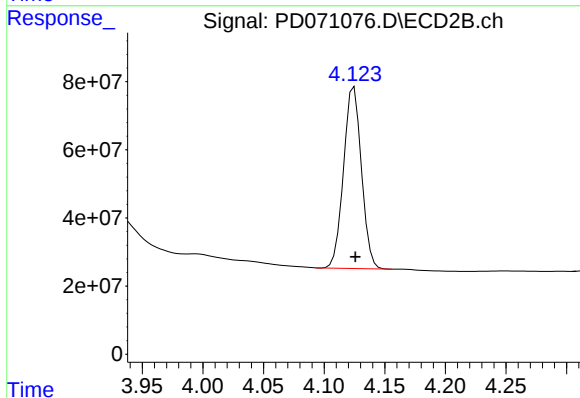




#1 Tetrachloro-m-xylene

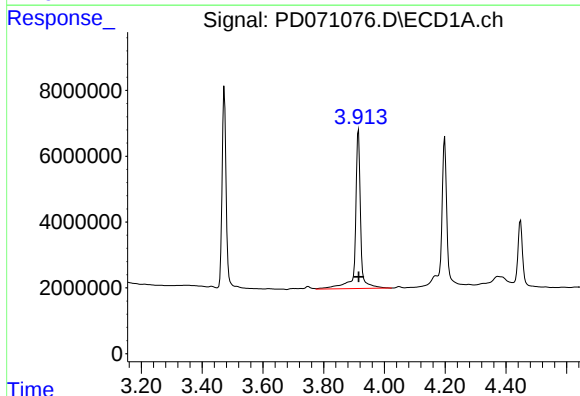
R.T.: 3.473 min  
Delta R.T.: 0.000 min  
Response: 61658977  
Conc: 21.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



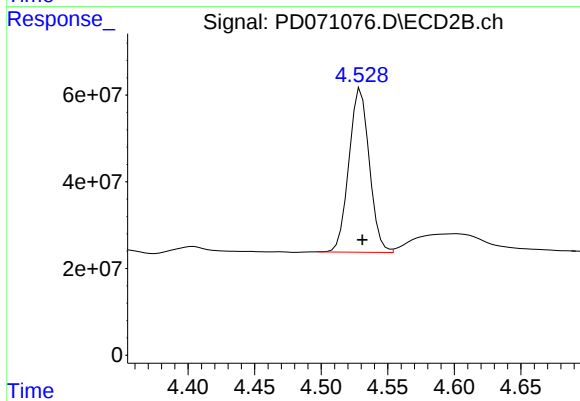
#1 Tetrachloro-m-xylene

R.T.: 4.125 min  
Delta R.T.: 0.000 min  
Response: 545487931  
Conc: 18.87 ng/ml



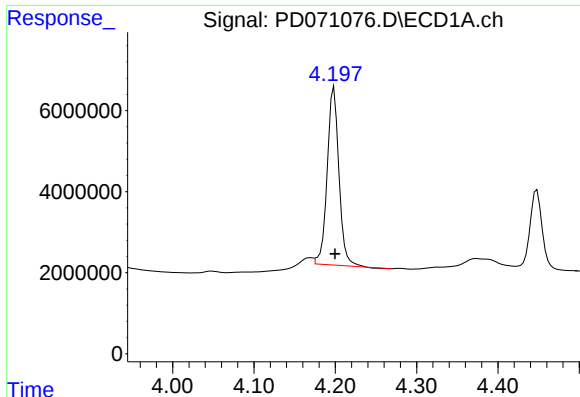
#2 alpha-BHC

R.T.: 3.915 min  
Delta R.T.: -0.001 min  
Response: 57854953  
Conc: 13.19 ng/ml



#2 alpha-BHC

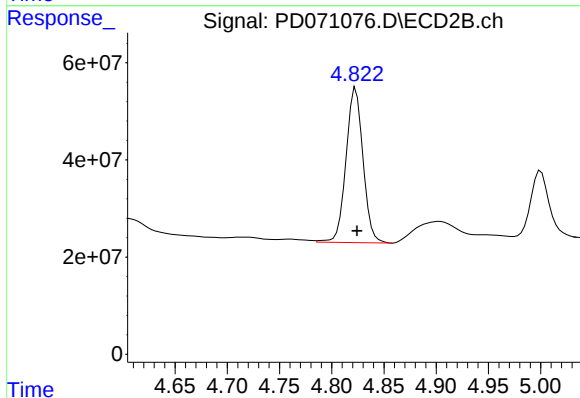
R.T.: 4.530 min  
Delta R.T.: -0.001 min  
Response: 402514678  
Conc: 10.62 ng/ml



#3 gamma-BHC (Lindane)

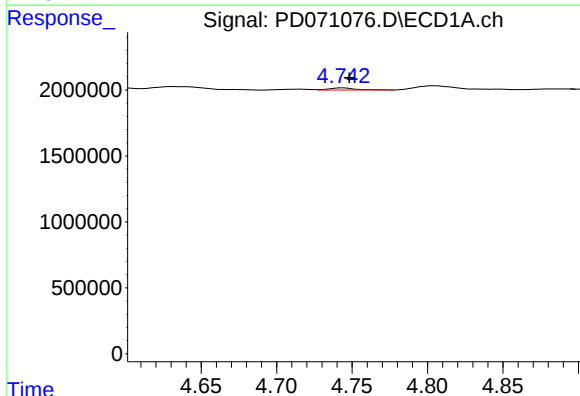
R.T.: 4.198 min  
Delta R.T.: -0.001 min  
Response: 44407499  
Conc: 10.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



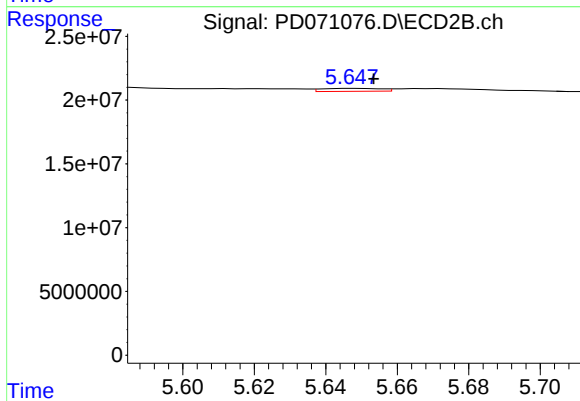
#3 gamma-BHC (Lindane)

R.T.: 4.823 min  
Delta R.T.: -0.001 min  
Response: 361489992  
Conc: 12.10 ng/ml



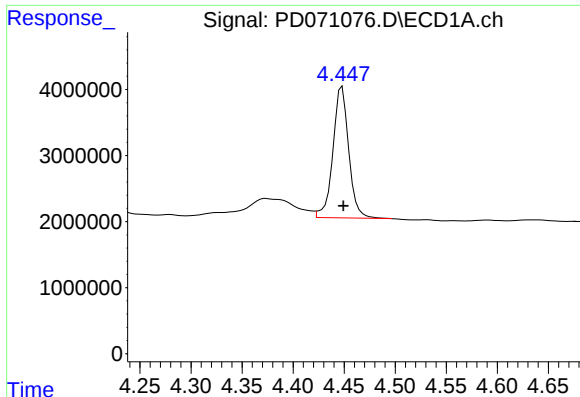
#5 Aldrin

R.T.: 4.744 min  
Delta R.T.: -0.004 min  
Response: 190949  
Conc: 0.05 ng/ml



#5 Aldrin

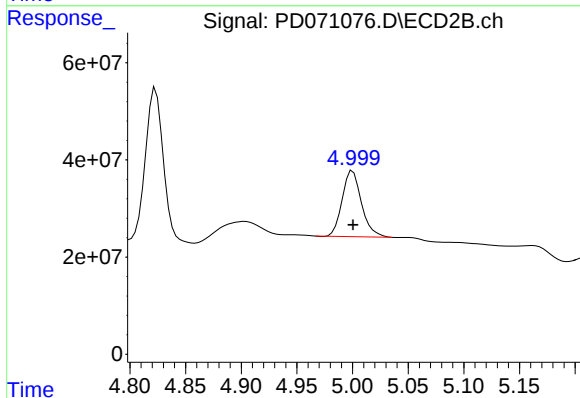
R.T.: 5.648 min  
Delta R.T.: -0.005 min  
Response: 2607951  
Conc: 0.14 ng/ml



#6 beta-BHC

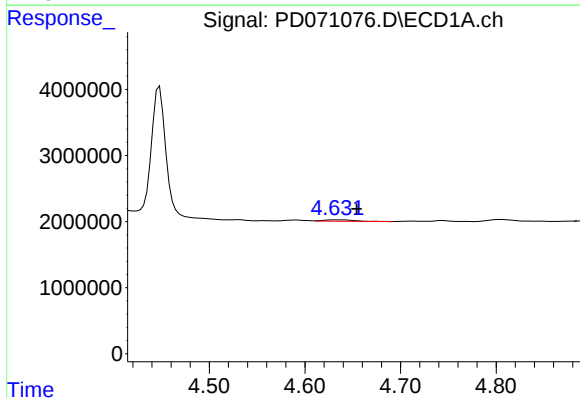
R.T.: 4.448 min  
Delta R.T.: -0.001 min  
Response: 21255606  
Conc: 12.72 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



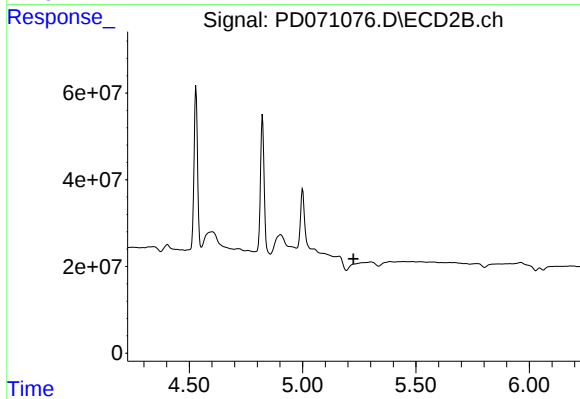
#6 beta-BHC

R.T.: 5.000 min  
Delta R.T.: 0.000 min  
Response: 163054128  
Conc: 12.16 ng/ml



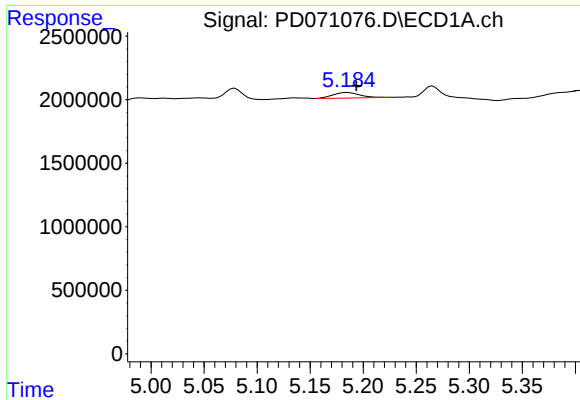
#7 delta-BHC

R.T.: 4.632 min  
Delta R.T.: -0.022 min  
Response: 473586  
Conc: 0.12 ng/ml



#7 delta-BHC

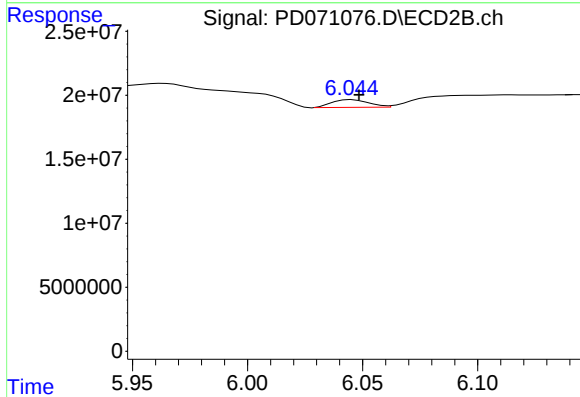
R.T.: 0.000 min  
Exp R.T. : 5.225 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

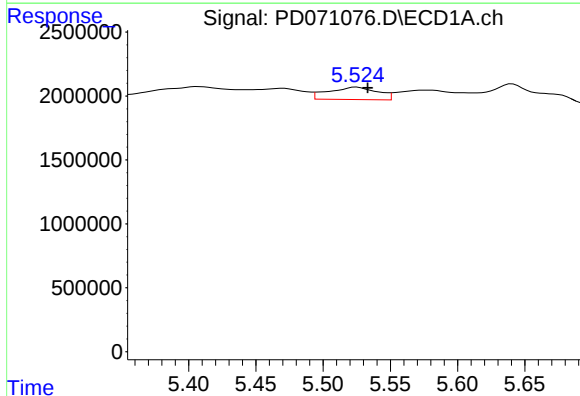
R.T.: 5.185 min  
Delta R.T.: -0.008 min  
Response: 773009  
Conc: 0.21 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



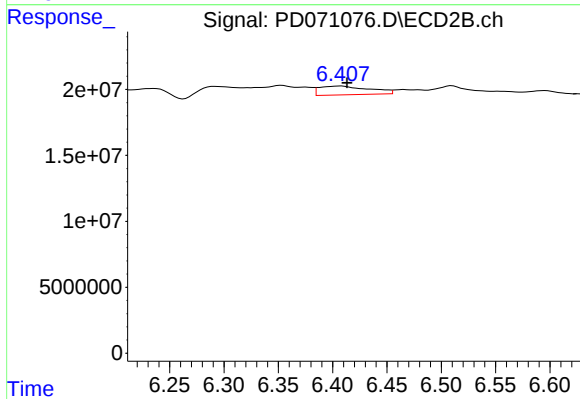
#8 Heptachlor epoxide

R.T.: 6.045 min  
Delta R.T.: -0.003 min  
Response: 6695285  
Conc: 0.44 ng/ml



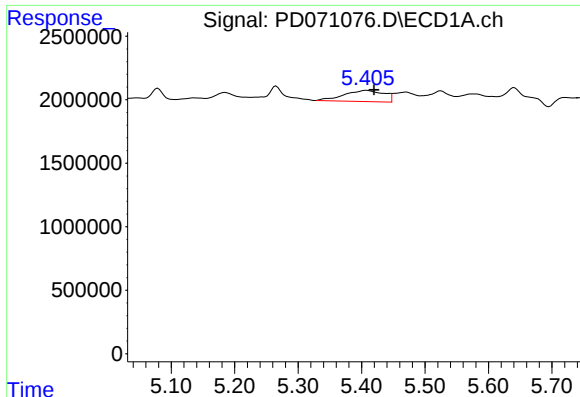
#9 Endosulfan I

R.T.: 5.525 min  
Delta R.T.: -0.008 min  
Response: 2439716  
Conc: 0.70 ng/ml



#9 Endosulfan I

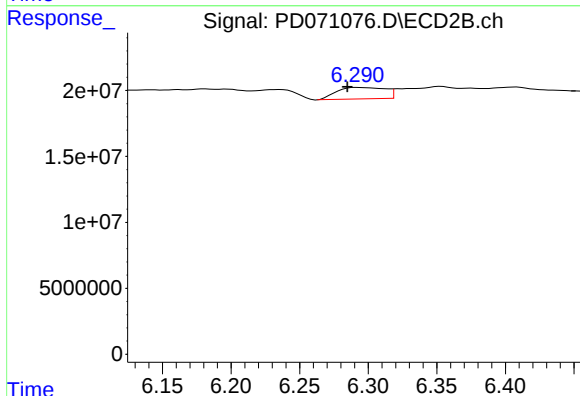
R.T.: 6.407 min  
Delta R.T.: -0.006 min  
Response: 21296009  
Conc: 1.47 ng/ml



#10 gamma-Chlordane

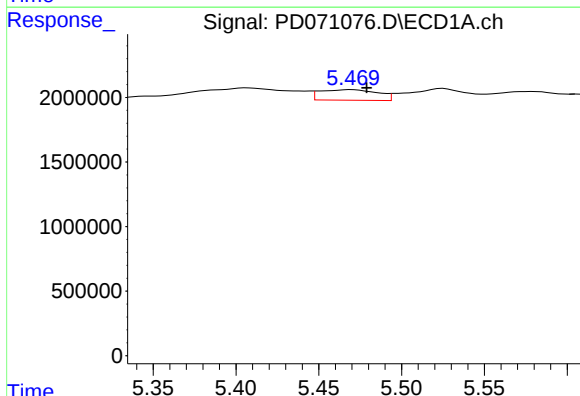
R.T.: 5.407 min  
Delta R.T.: -0.013 min  
Response: 3856870  
Conc: 0.99 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



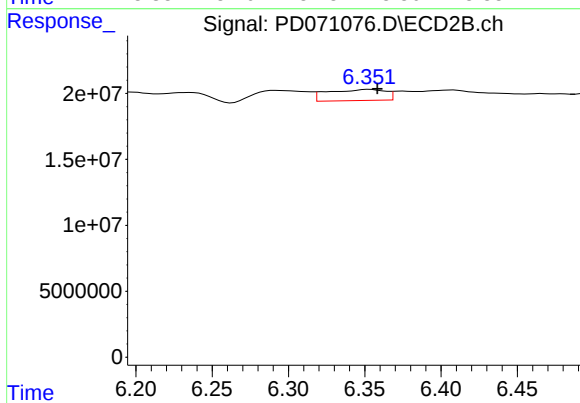
#10 gamma-Chlordane

R.T.: 6.292 min  
Delta R.T.: 0.008 min  
Response: 21363614  
Conc: 1.35 ng/ml



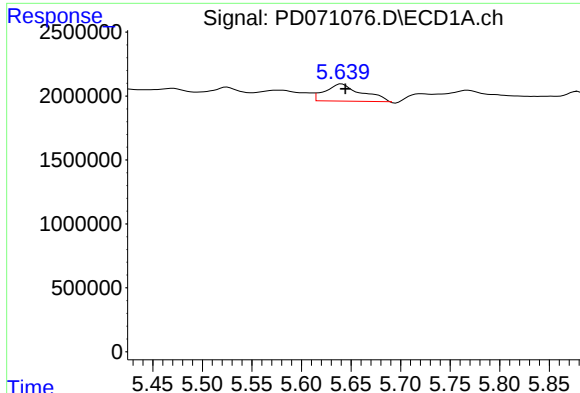
#11 alpha-Chlordane

R.T.: 5.470 min  
Delta R.T.: -0.009 min  
Response: 1969930  
Conc: 0.52 ng/ml



#11 alpha-Chlordane

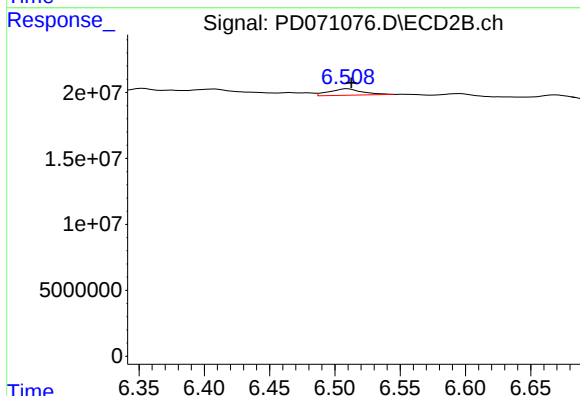
R.T.: 6.353 min  
Delta R.T.: -0.005 min  
Response: 22121316  
Conc: 1.44 ng/ml



#12 4,4'-DDE

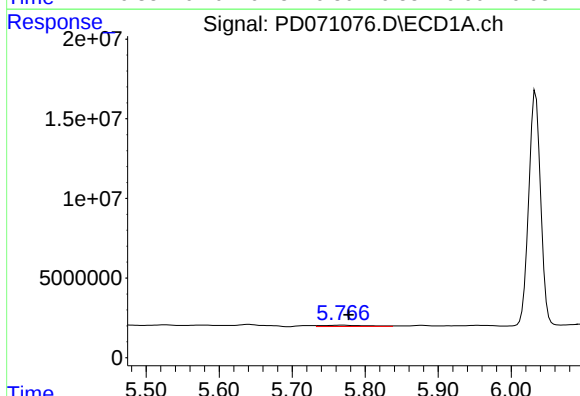
R.T.: 5.641 min  
Delta R.T.: -0.004 min  
Response: 3367530  
Conc: 0.96 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



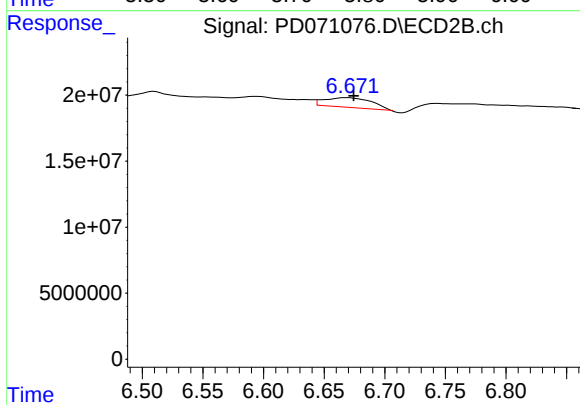
#12 4,4'-DDE

R.T.: 6.510 min  
Delta R.T.: -0.003 min  
Response: 7826264  
Conc: 0.52 ng/ml



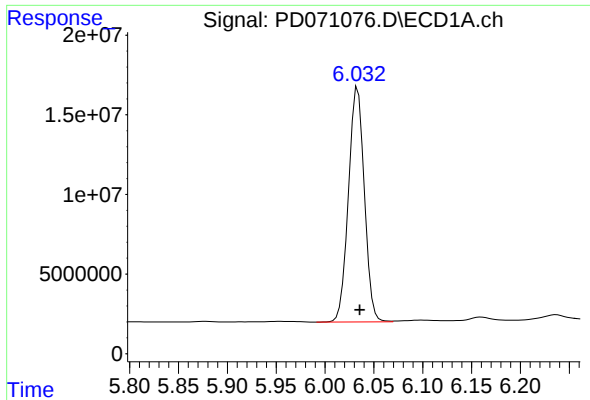
#13 Dieldrin

R.T.: 5.768 min  
Delta R.T.: -0.009 min  
Response: 3225083  
Conc: 0.86 ng/ml



#13 Dieldrin

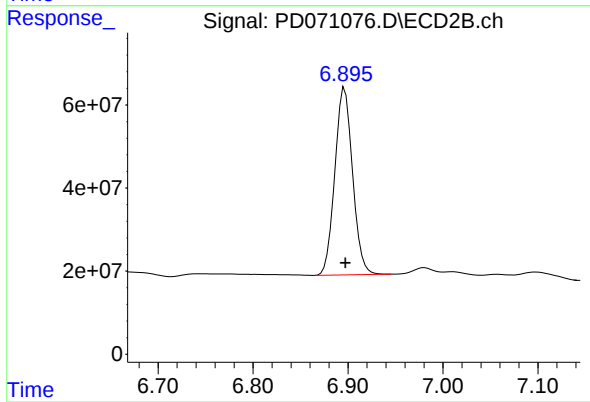
R.T.: 6.669 min  
Delta R.T.: -0.006 min  
Response: 19247457  
Conc: 1.26 ng/ml



#14 Endrin

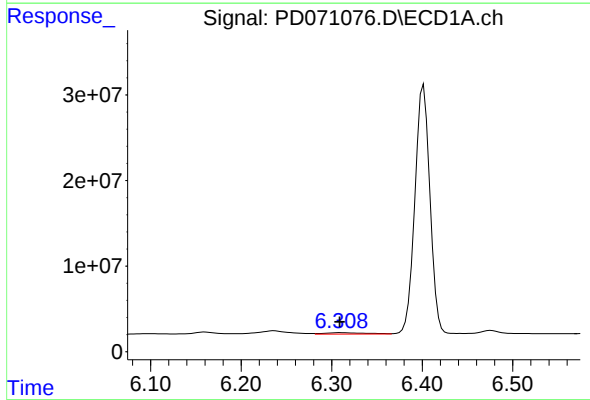
R.T.: 6.034 min  
Delta R.T.: -0.002 min  
Response: 167195492  
Conc: 53.54 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



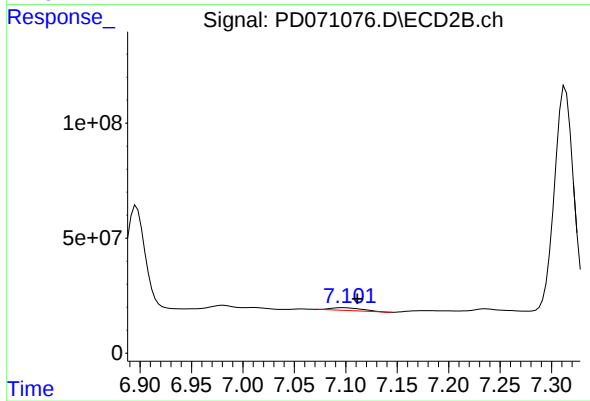
#14 Endrin

R.T.: 6.897 min  
Delta R.T.: 0.000 min  
Response: 585461711  
Conc: 56.45 ng/ml



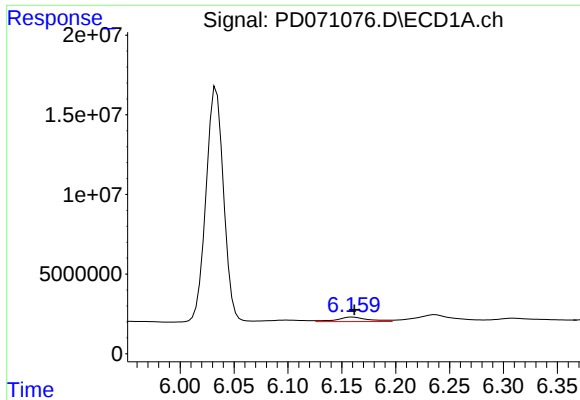
#15 Endosulfan II

R.T.: 6.309 min  
Delta R.T.: 0.000 min  
Response: 5212364  
Conc: 1.73 ng/ml



#15 Endosulfan II

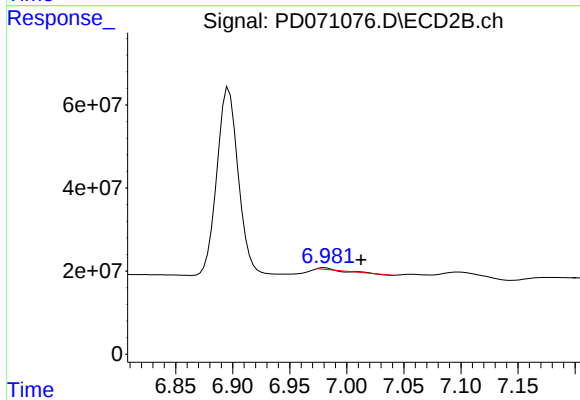
R.T.: 7.098 min  
Delta R.T.: -0.013 min  
Response: 26090552  
Conc: 2.08 ng/ml



#16 4,4'-DDD

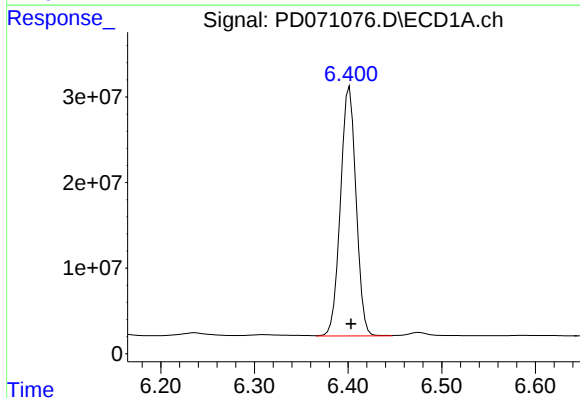
R.T.: 6.160 min  
Delta R.T.: -0.002 min  
Response: 5712318  
Conc: 1.95 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



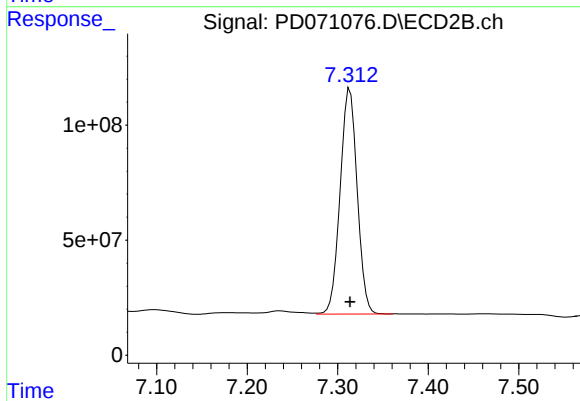
#16 4,4'-DDD

R.T.: 7.010 min  
Delta R.T.: -0.003 min  
Response: 1114907  
Conc: 0.09 ng/ml



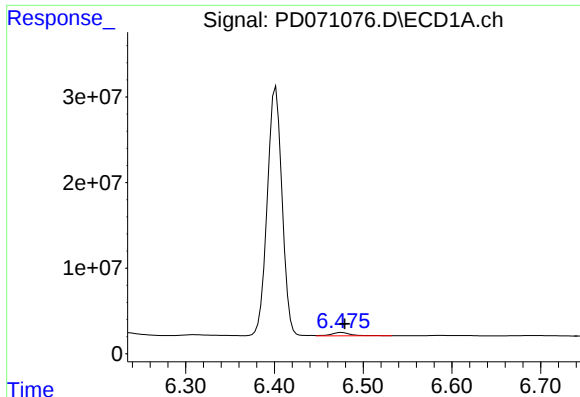
#17 4,4'-DDT

R.T.: 6.402 min  
Delta R.T.: -0.002 min  
Response: 337467244  
Conc: 110.24 ng/ml



#17 4,4'-DDT

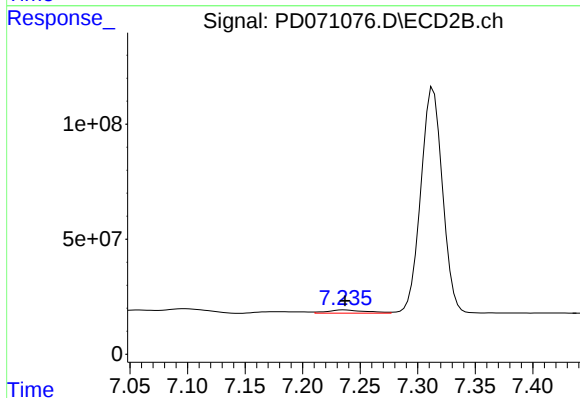
R.T.: 7.314 min  
Delta R.T.: 0.000 min  
Response: 1282736252  
Conc: 95.77 ng/ml



#18 Endrin aldehyde

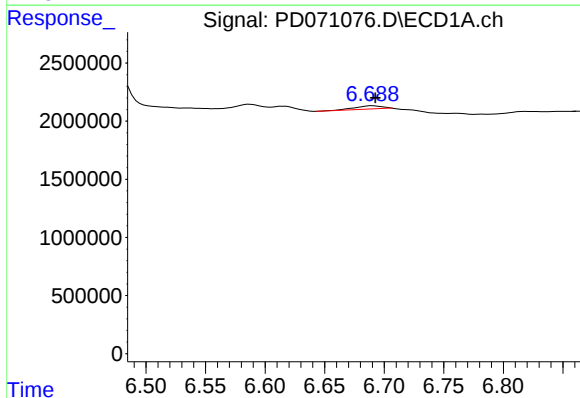
R.T.: 6.476 min  
Delta R.T.: -0.003 min  
Response: 5966373  
Conc: 2.49 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



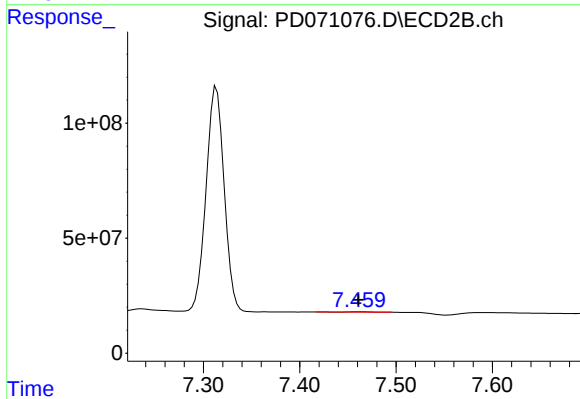
#18 Endrin aldehyde

R.T.: 7.236 min  
Delta R.T.: 0.000 min  
Response: 33516042  
Conc: 3.32 ng/ml



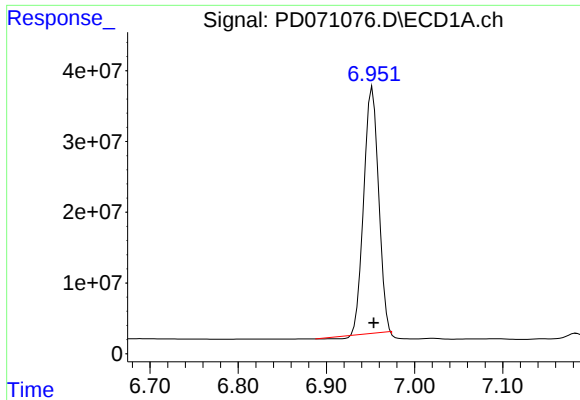
#19 Endosulfan Sulfate

R.T.: 6.690 min  
Delta R.T.: -0.002 min  
Response: 407208  
Conc: 0.14 ng/ml



#19 Endosulfan Sulfate

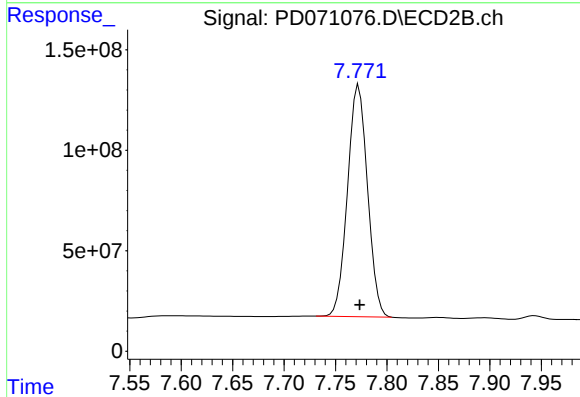
R.T.: 7.460 min  
Delta R.T.: 0.000 min  
Response: 1898665  
Conc: 0.16 ng/ml



#20 Methoxychlor

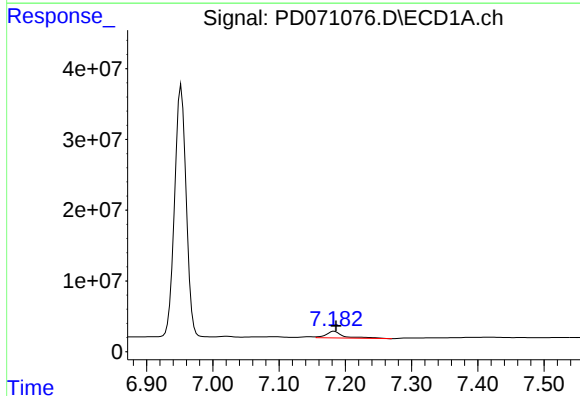
R.T.: 6.952 min  
Delta R.T.: -0.002 min  
Response: 402709408  
Conc: 243.60 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



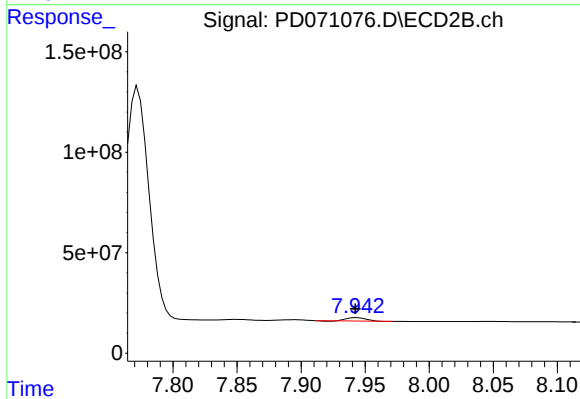
#20 Methoxychlor

R.T.: 7.773 min  
Delta R.T.: 0.000 min  
Response: 1560921912  
Conc: 227.16 ng/ml



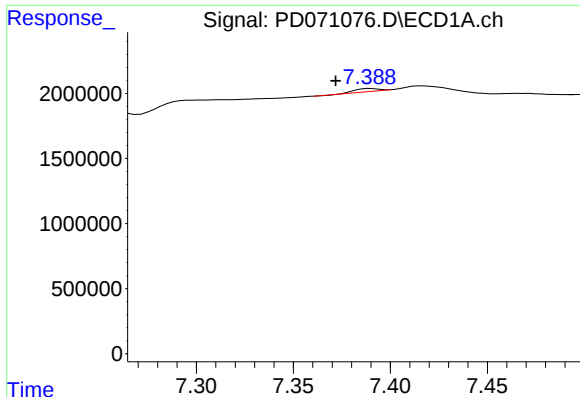
#21 Endrin ketone

R.T.: 7.183 min  
Delta R.T.: -0.003 min  
Response: 17513382  
Conc: 5.06 ng/ml



#21 Endrin ketone

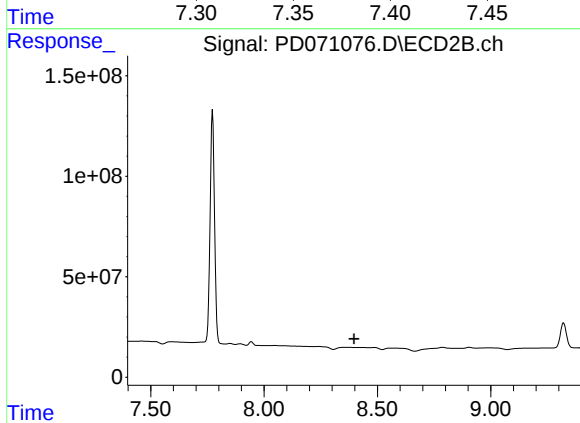
R.T.: 7.944 min  
Delta R.T.: 0.001 min  
Response: 17971074  
Conc: 1.30 ng/ml



#22 Mirex

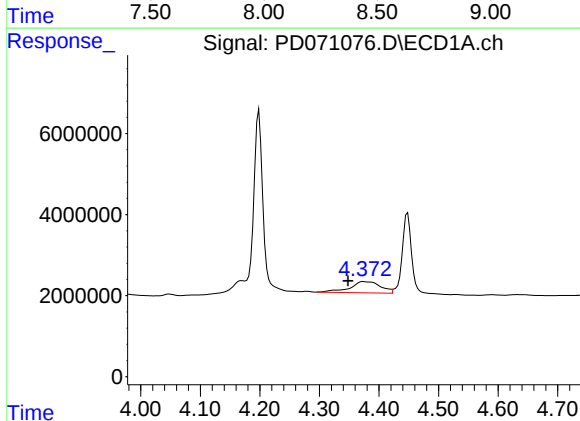
R.T.: 7.390 min  
Delta R.T.: 0.018 min  
Response: 170379  
Conc: 0.06 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



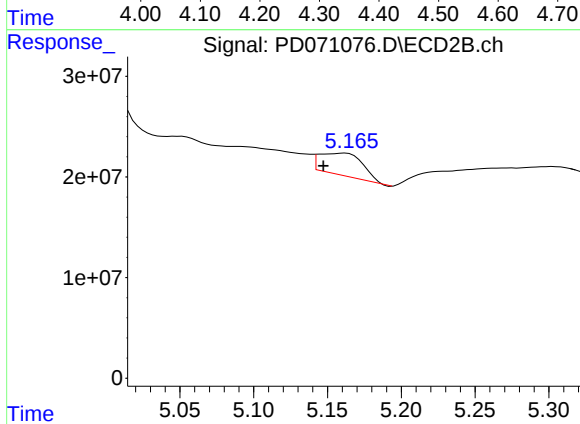
#22 Mirex

R.T.: 0.000 min  
Exp R.T. : 8.397 min  
Response: 0  
Conc: N.D.



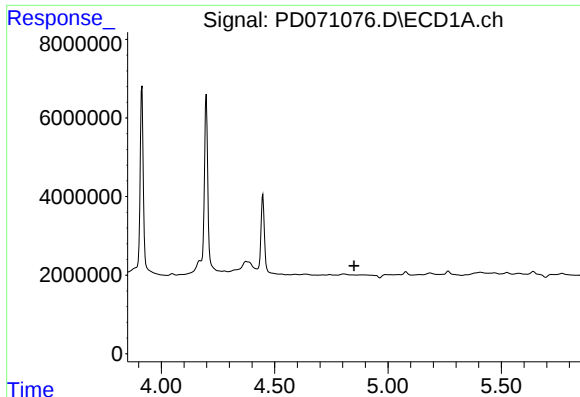
#23 Chlordane-1

R.T.: 4.374 min  
Delta R.T.: 0.025 min  
Response: 9905921  
Conc: 91.84 ng/ml



#23 Chlordane-1

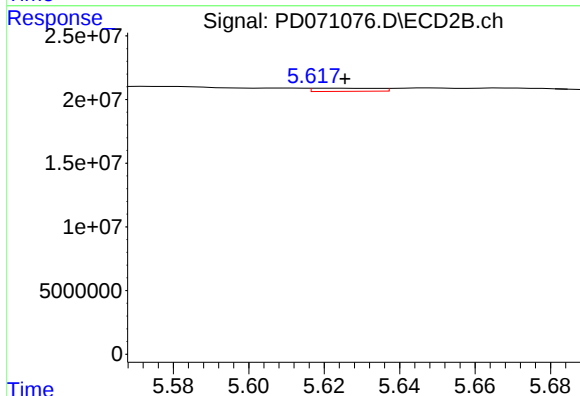
R.T.: 5.162 min  
Delta R.T.: 0.015 min  
Response: 45238760  
Conc: 55.42 ng/ml



#24 Chlordane-2

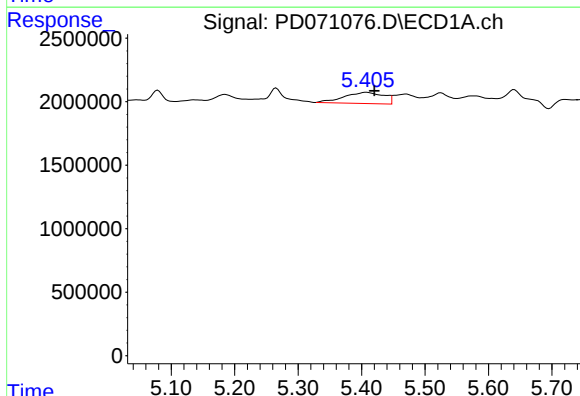
R.T.: 0.000 min  
Exp R.T.: 4.851 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_O  
ClientSampleId :



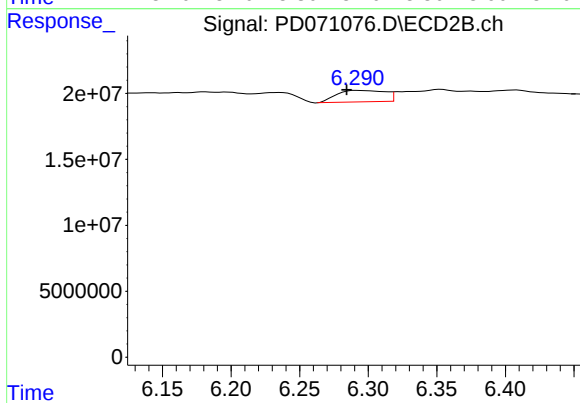
#24 Chlordane-2

R.T.: 5.620 min  
Delta R.T.: -0.005 min  
Response: 2927406  
Conc: 4.91 ng/ml



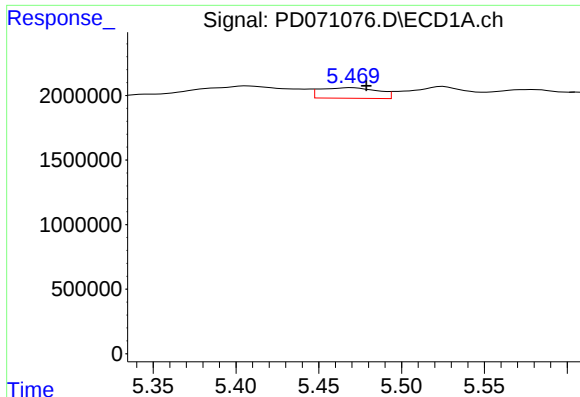
#25 Chlordane-3

R.T.: 5.407 min  
Delta R.T.: -0.013 min  
Response: 3856870  
Conc: 10.83 ng/ml



#25 Chlordane-3

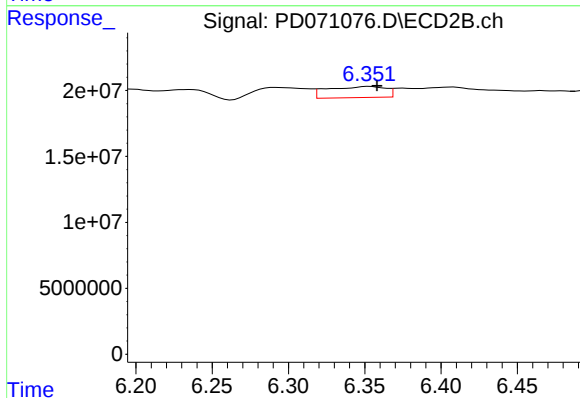
R.T.: 6.292 min  
Delta R.T.: 0.008 min  
Response: 21363614  
Conc: 10.82 ng/ml



#26 Chlordane-4

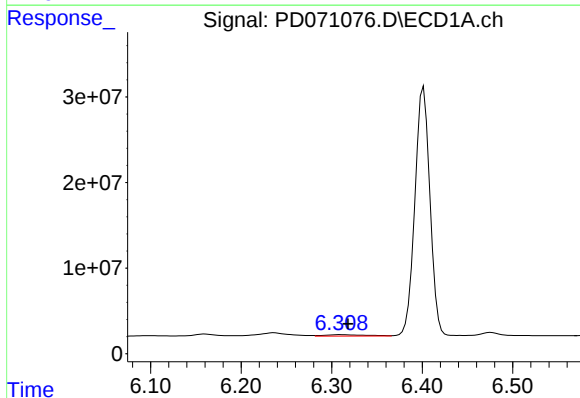
R.T.: 5.470 min  
Delta R.T.: -0.008 min  
Response: 1969930  
Conc: 6.68 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



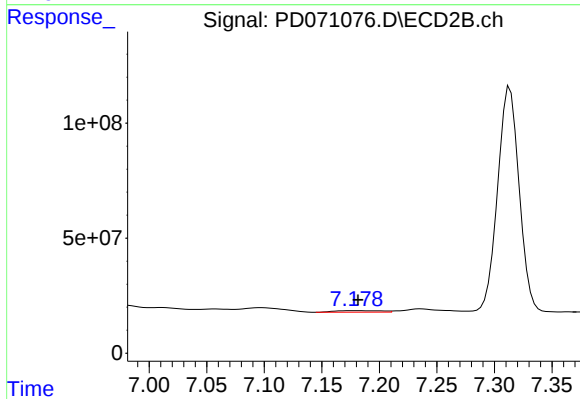
#26 Chlordane-4

R.T.: 6.353 min  
Delta R.T.: -0.005 min  
Response: 22121316  
Conc: 9.64 ng/ml



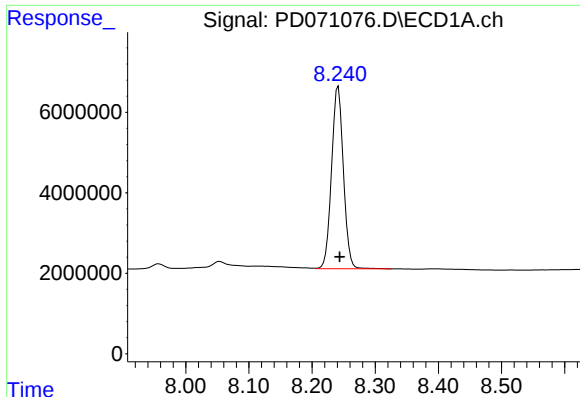
#27 Chlordane-5

R.T.: 6.309 min  
Delta R.T.: -0.009 min  
Response: 5212364  
Conc: 42.57 ng/ml



#27 Chlordane-5

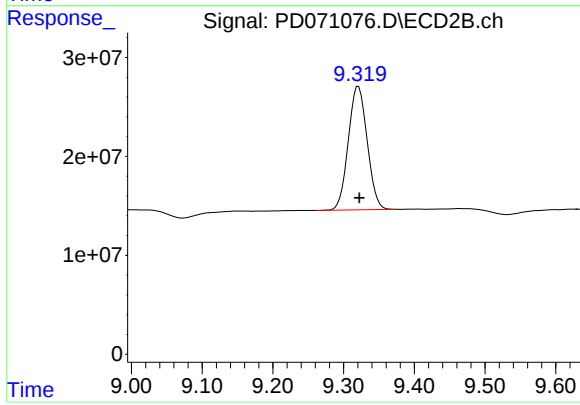
R.T.: 7.180 min  
Delta R.T.: -0.002 min  
Response: 20141855  
Conc: 41.22 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.241 min  
Delta R.T.: -0.002 min  
Response: 59212197  
Conc: 19.38 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.321 min  
Delta R.T.: -0.001 min  
Response: 231529419  
Conc: 20.30 ng/ml