

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080422\  
 Data File : PD071324.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Aug 2022 13:53  
 Operator : AR\AJ  
 Sample : N3980-02  
 Misc : PEST LOQ 5 PPB  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 05 03:20:20 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD072622.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jul 26 03:39:07 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... | 2.815 | 3.574  | 45080644 | 512.6E6  | 15.896  | 18.211    |
| 2)                          | SA Decachlor... | 8.016 | 9.104  | 48554468 | 199.5E6  | 17.507  | 19.272    |
| Target Compounds            |                 |       |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.324 | 4.039  | 16848433 | 186.0E6  | 4.018   | 5.011     |
| 3)                          | MA gamma-BHC... | 3.658 | 4.376  | 16318398 | 154.4E6  | 4.079   | 5.157 #   |
| 4)                          | MA Heptachlor   | 4.006 | 4.954  | 16390251 | 125.1E6  | 3.864   | 5.917 #   |
| 5)                          | MB Aldrin       | 4.290 | 5.296  | 16000104 | 99539505 | 3.923   | 5.636 #   |
| 6)                          | B beta-BHC      | 3.957 | 4.582  | 7221473  | 65482871 | 4.227   | 5.528 #   |
| 7)                          | B delta-BHC     | 4.191 | 4.830  | 14540027 | 120.2E6  | 3.705   | 6.038 #   |
| 8)                          | B Heptachlo...  | 4.797 | 5.728  | 15435968 | 88635271 | 4.215   | 6.782 #   |
| 9)                          | A Endosulfan I  | 5.172 | 6.116  | 14713716 | 76943843 | 4.296   | 5.596 #   |
| 10)                         | B gamma-Chl...  | 5.051 | 5.982  | 15836561 | 82245283 | 4.168   | 5.600 #   |
| 11)                         | B alpha-Chl...  | 5.116 | 6.060  | 15820523 | 81918652 | 4.258   | 5.649 #   |
| 12)                         | B 4,4'-DDE      | 5.307 | 6.232  | 13290084 | 77994663 | 3.883   | 5.456 #   |
| 13)                         | MA Dieldrin     | 5.439 | 6.393  | 14733822 | 81513132 | 4.068   | 5.547 #   |
| 14)                         | MA Endrin       | 5.717 | 6.626  | 12875373 | 62782651 | 4.067   | 5.019     |
| 15)                         | B Endosulfa...  | 6.012 | 6.851  | 12832135 | 66872473 | 4.270   | 5.393 #   |
| 16)                         | A 4,4'-DDD      | 5.865 | 6.756  | 12373215 | 66930029 | 4.340   | 5.627 #   |
| 17)                         | MA 4,4'-DDT     | 6.119 | 7.068  | 10888988 | 64440219 | 3.689   | 4.941 #   |
| 18)                         | B Endrin al...  | 6.193 | 6.982  | 9962567  | 52596413 | 4.519   | 5.429     |
| 19)                         | B Endosulfa...  | 6.418 | 7.215  | 13224525 | 64911572 | 4.599   | 5.443     |
| 20)                         | A Methoxychlor  | 6.700 | 7.544  | 7061932  | 36119798 | 4.281   | 5.240     |
| 21)                         | B Endrin ke...  | 6.929 | 7.707  | 15549313 | 76466100 | 4.773   | 5.696     |
| 22)                         | Mirex           | 7.116 | 8.169  | 12898160 | 48688924 | 5.268   | 5.660     |
| 24)                         | Chlordane-2     | 0.000 | 5.296f | 0        | 99539505 | N.D.    | 166.174 # |
| 25)                         | Chlordane-3     | 5.051 | 5.982  | 15836561 | 82245283 | 46.379  | 44.363    |
| 26)                         | Chlordane-4     | 5.116 | 6.060  | 15820523 | 81918652 | 49.867  | 37.584    |
| 27)                         | Chlordane-5     | 6.012 | 0.000  | 12832135 | 0        | 106.131 | N.D. #    |
| -----                       |                 |       |        |          |          |         |           |

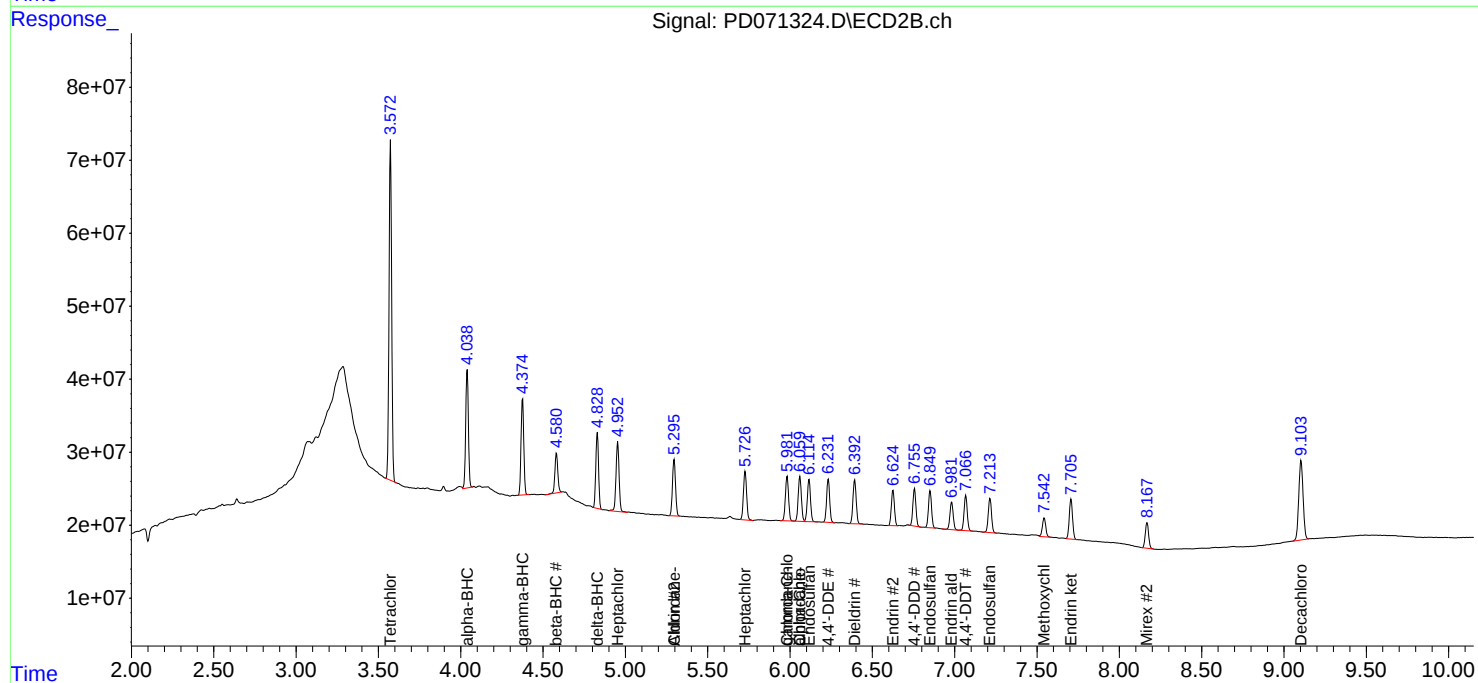
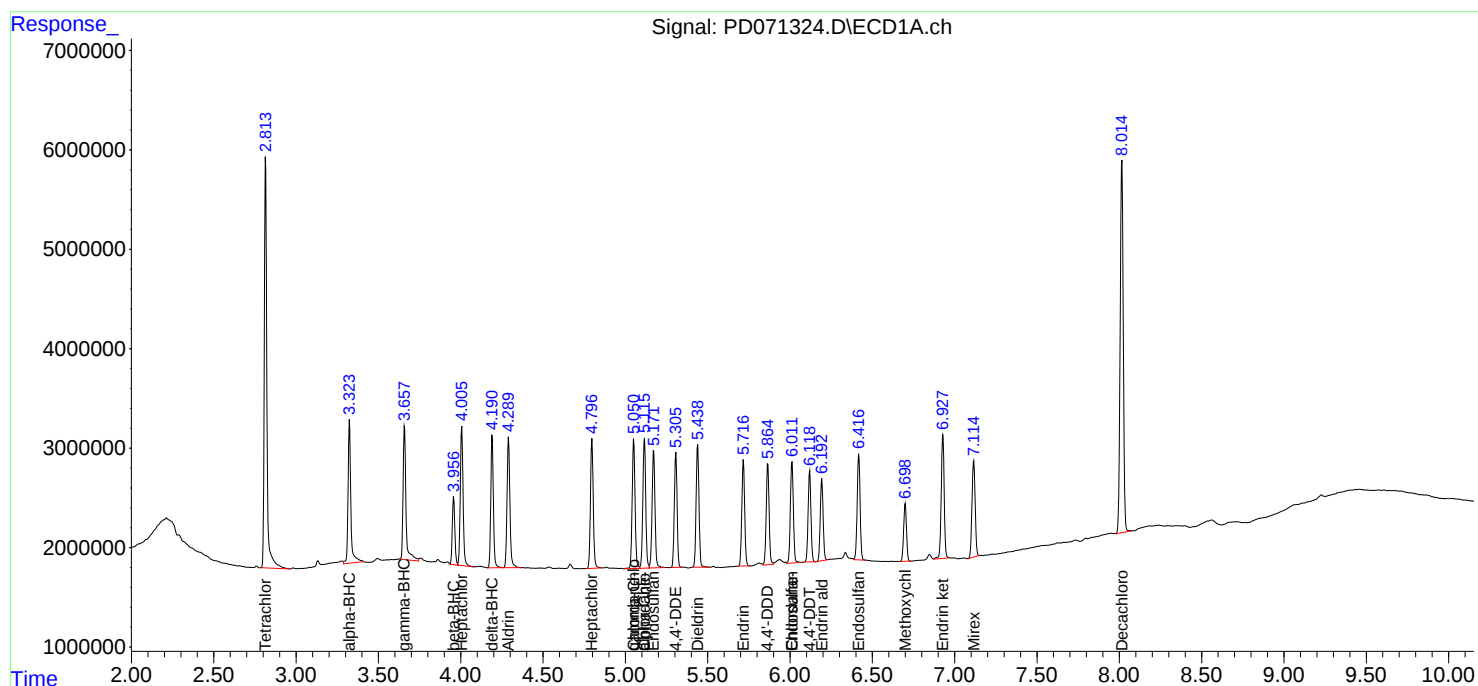
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

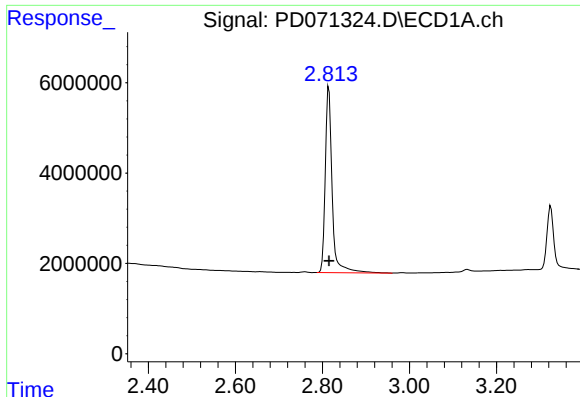
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080422\  
Data File : PD071324.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 04 Aug 2022 13:53  
Operator : AR\AJ  
Sample : N3980-02  
Misc : PEST LOQ 5 PPB  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 05 03:20:20 2022  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD072622.M  
Quant Title : GC Extractables  
QLast Update : Tue Jul 26 03:39:07 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

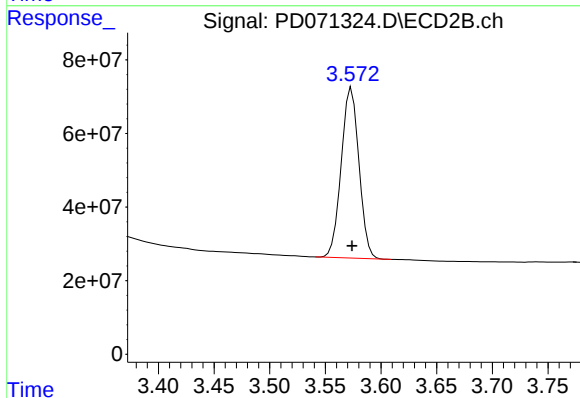




#1 Tetrachloro-m-xylene

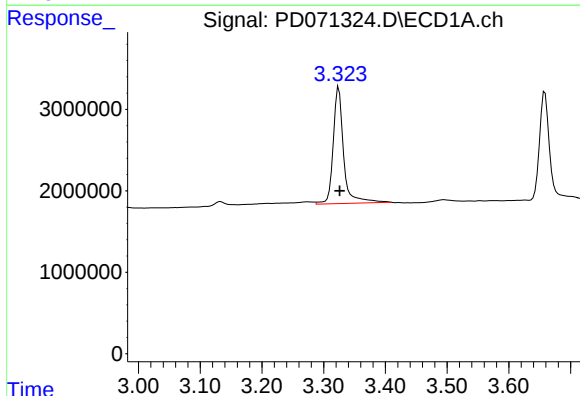
R.T.: 2.815 min  
Delta R.T.: 0.000 min  
Response: 45080644  
Conc: 15.90 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



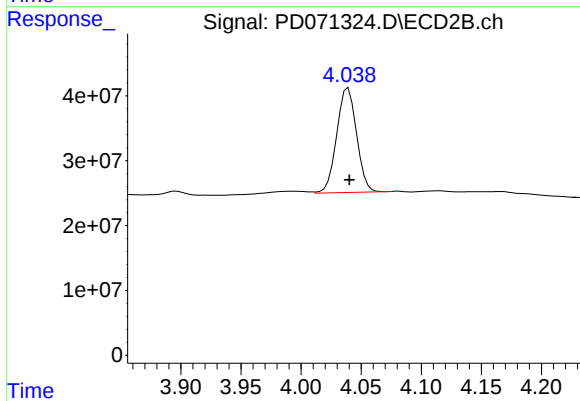
#1 Tetrachloro-m-xylene

R.T.: 3.574 min  
Delta R.T.: 0.000 min  
Response: 512647657  
Conc: 18.21 ng/ml



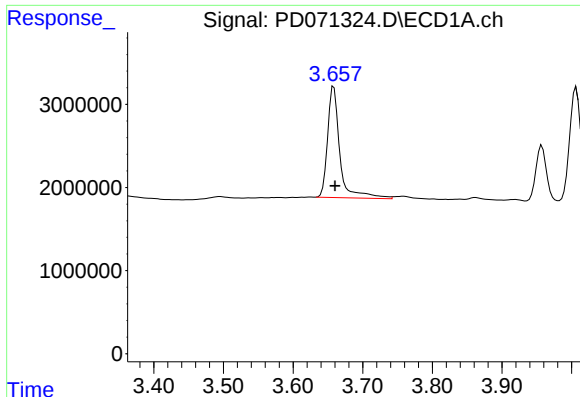
#2 alpha-BHC

R.T.: 3.324 min  
Delta R.T.: -0.002 min  
Response: 16848433  
Conc: 4.02 ng/ml



#2 alpha-BHC

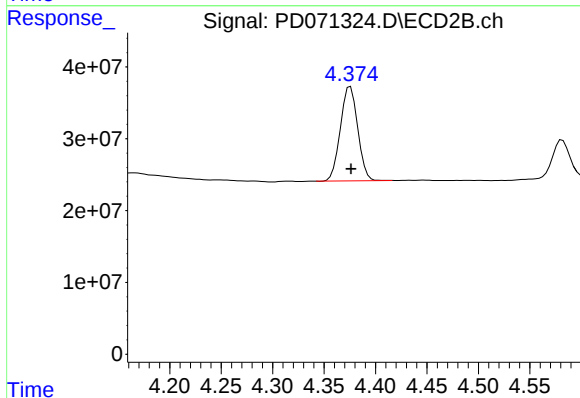
R.T.: 4.039 min  
Delta R.T.: 0.000 min  
Response: 186039792  
Conc: 5.01 ng/ml



#3 gamma-BHC (Lindane)

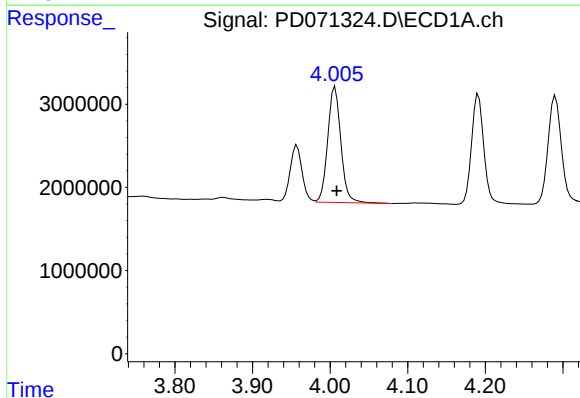
R.T.: 3.658 min  
Delta R.T.: -0.002 min  
Response: 16318398  
Conc: 4.08 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



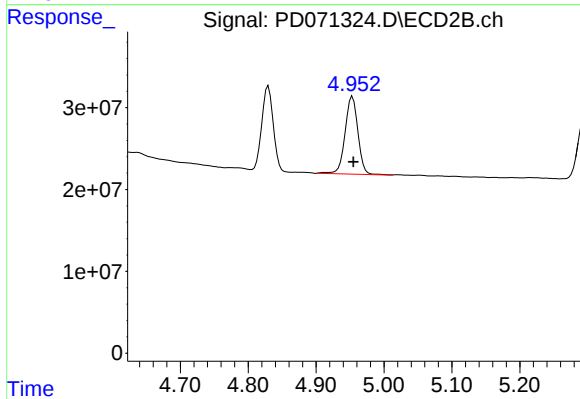
#3 gamma-BHC (Lindane)

R.T.: 4.376 min  
Delta R.T.: 0.000 min  
Response: 154420230  
Conc: 5.16 ng/ml



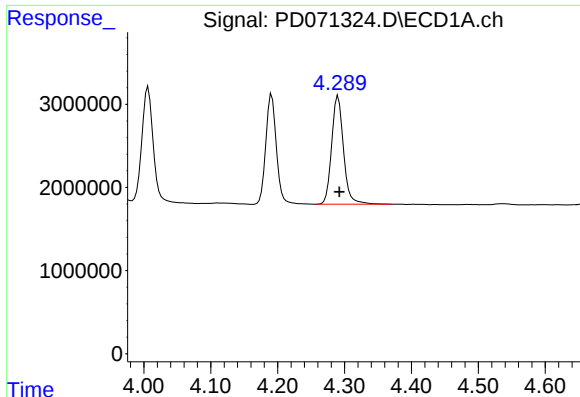
#4 Heptachlor

R.T.: 4.006 min  
Delta R.T.: -0.002 min  
Response: 16390251  
Conc: 3.86 ng/ml



#4 Heptachlor

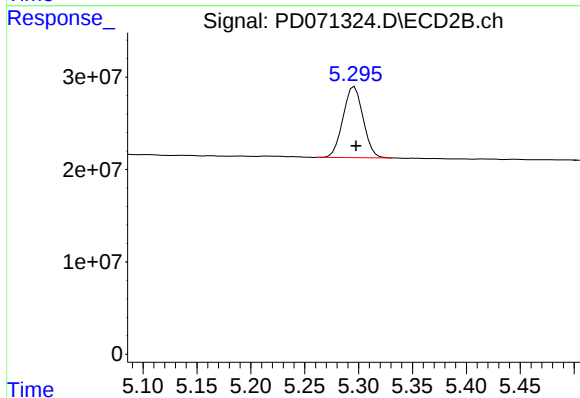
R.T.: 4.954 min  
Delta R.T.: -0.001 min  
Response: 125107158  
Conc: 5.92 ng/ml



#5 Aldrin

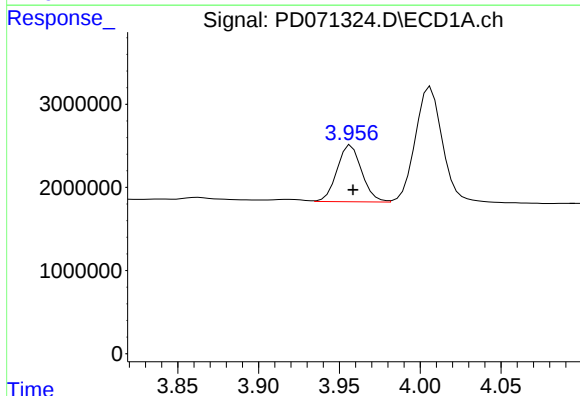
R.T.: 4.290 min  
Delta R.T.: -0.002 min  
Response: 16000104  
Conc: 3.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



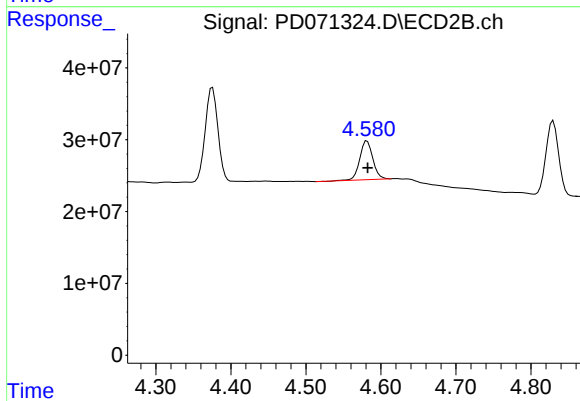
#5 Aldrin

R.T.: 5.296 min  
Delta R.T.: -0.002 min  
Response: 99539505  
Conc: 5.64 ng/ml



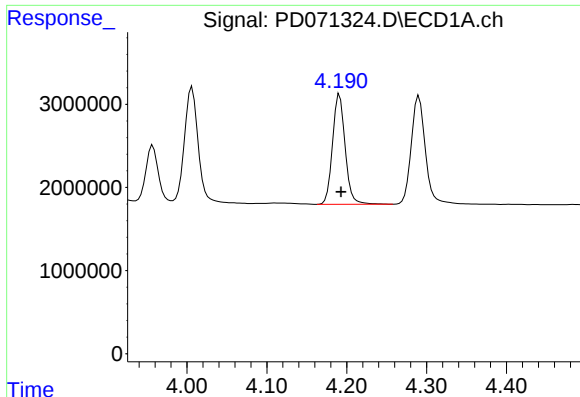
#6 beta-BHC

R.T.: 3.957 min  
Delta R.T.: -0.001 min  
Response: 7221473  
Conc: 4.23 ng/ml



#6 beta-BHC

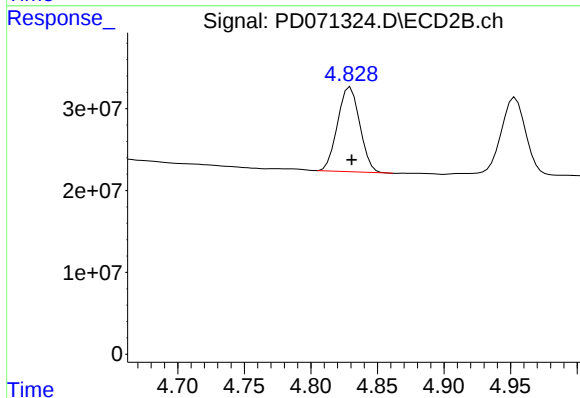
R.T.: 4.582 min  
Delta R.T.: 0.000 min  
Response: 65482871  
Conc: 5.53 ng/ml



#7 delta-BHC

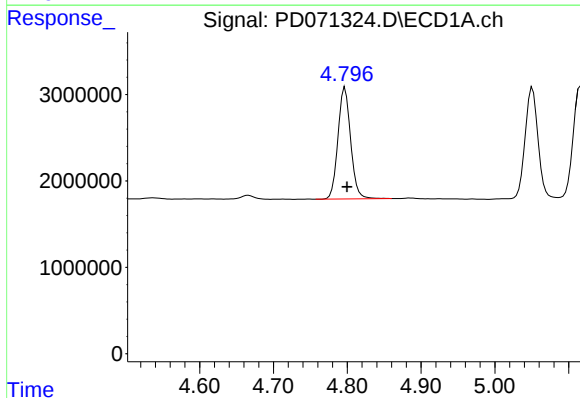
R.T.: 4.191 min  
Delta R.T.: -0.002 min  
Response: 14540027  
Conc: 3.70 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



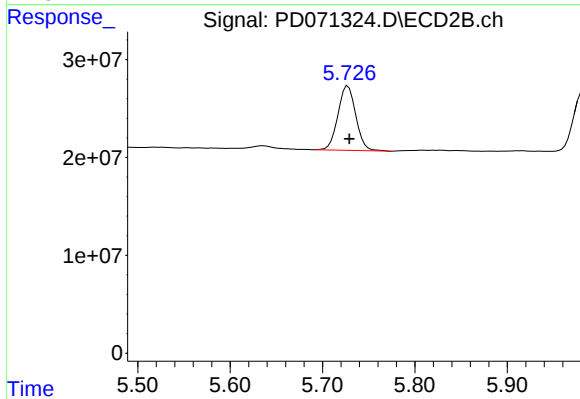
#7 delta-BHC

R.T.: 4.830 min  
Delta R.T.: -0.001 min  
Response: 120163412  
Conc: 6.04 ng/ml



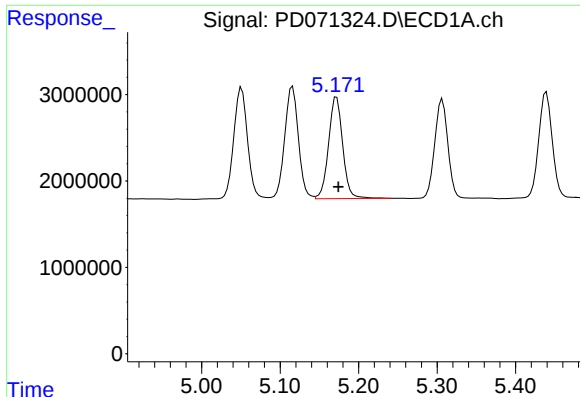
#8 Heptachlor epoxide

R.T.: 4.797 min  
Delta R.T.: -0.003 min  
Response: 15435968  
Conc: 4.22 ng/ml



#8 Heptachlor epoxide

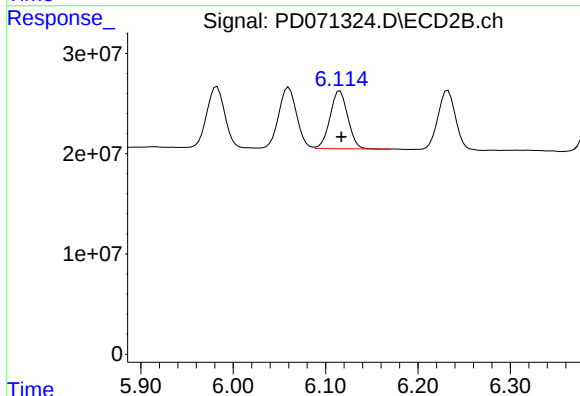
R.T.: 5.728 min  
Delta R.T.: -0.002 min  
Response: 88635271  
Conc: 6.78 ng/ml



#9 Endosulfan I

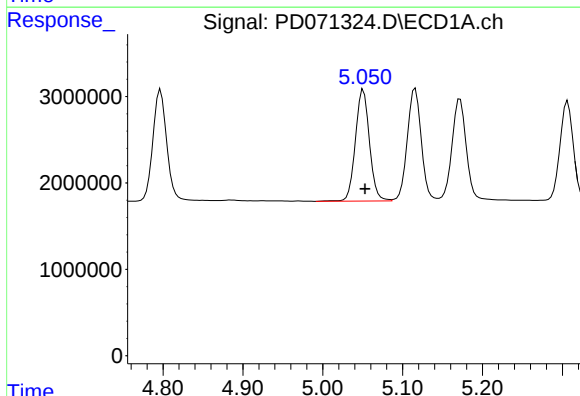
R.T.: 5.172 min  
Delta R.T.: -0.002 min  
Response: 14713716  
Conc: 4.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



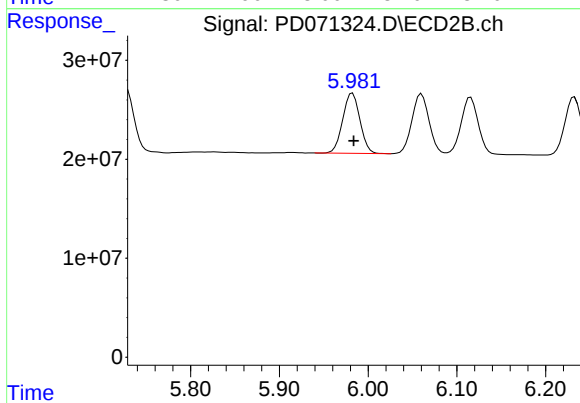
#9 Endosulfan I

R.T.: 6.116 min  
Delta R.T.: -0.002 min  
Response: 76943843  
Conc: 5.60 ng/ml



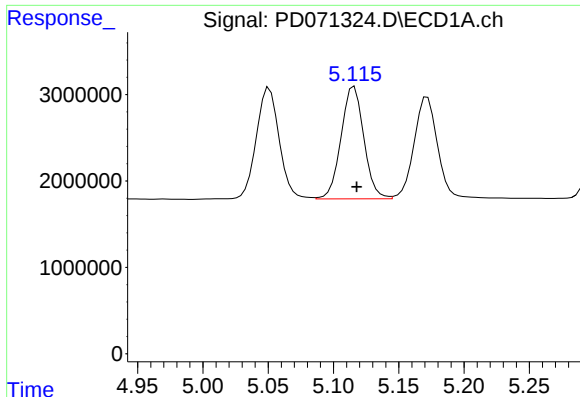
#10 gamma-Chlordane

R.T.: 5.051 min  
Delta R.T.: -0.002 min  
Response: 15836561  
Conc: 4.17 ng/ml



#10 gamma-Chlordane

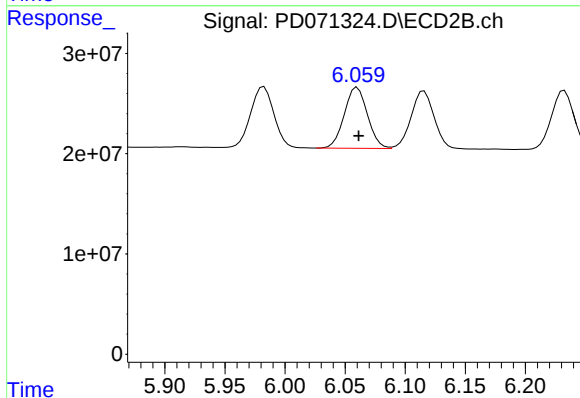
R.T.: 5.982 min  
Delta R.T.: -0.001 min  
Response: 82245283  
Conc: 5.60 ng/ml



#11 alpha-Chlordane

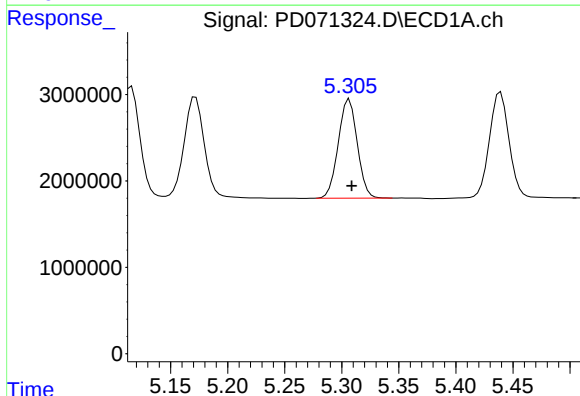
R.T.: 5.116 min  
Delta R.T.: -0.002 min  
Response: 15820523  
Conc: 4.26 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



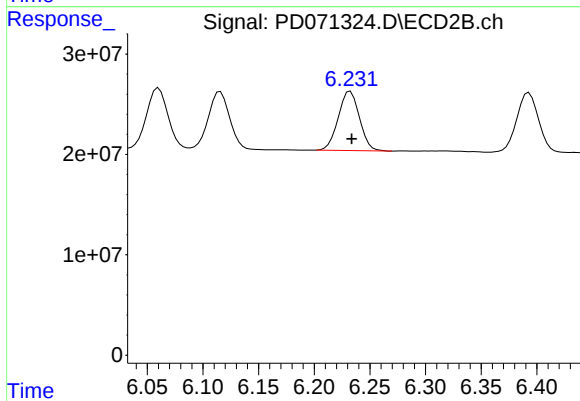
#11 alpha-Chlordane

R.T.: 6.060 min  
Delta R.T.: -0.001 min  
Response: 81918652  
Conc: 5.65 ng/ml



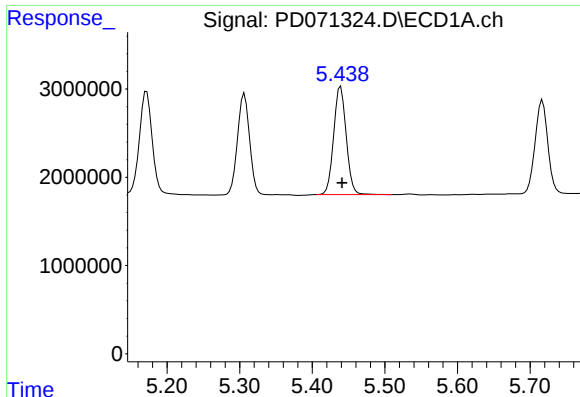
#12 4,4'-DDE

R.T.: 5.307 min  
Delta R.T.: -0.002 min  
Response: 13290084  
Conc: 3.88 ng/ml



#12 4,4'-DDE

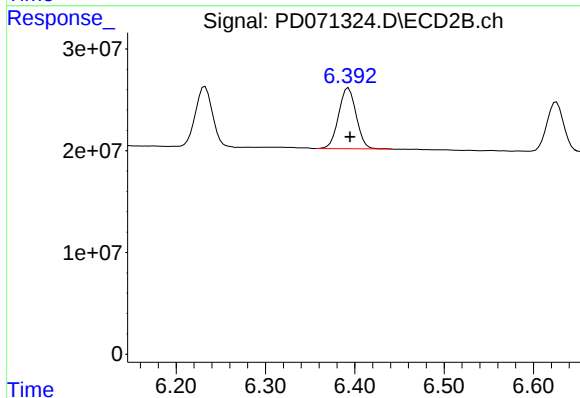
R.T.: 6.232 min  
Delta R.T.: -0.001 min  
Response: 77994663  
Conc: 5.46 ng/ml



#13 Dieldrin

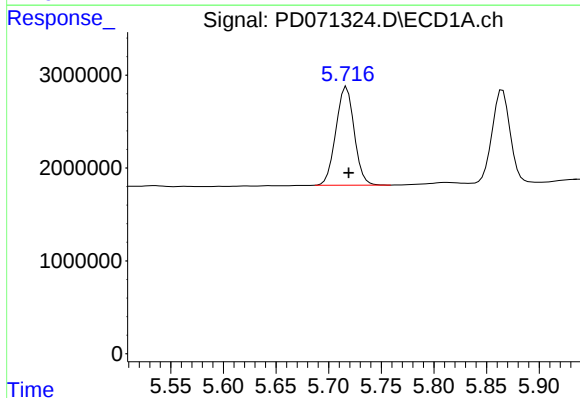
R.T.: 5.439 min  
Delta R.T.: -0.002 min  
Response: 14733822  
Conc: 4.07 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



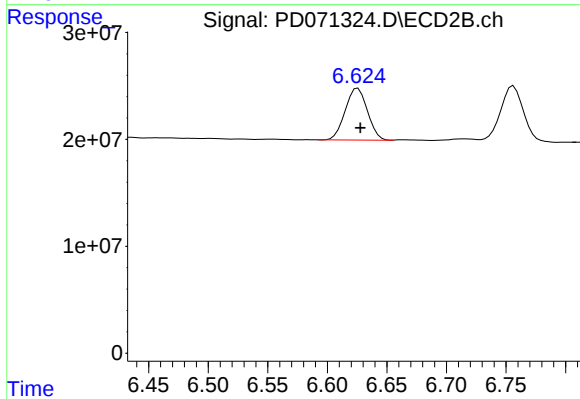
#13 Dieldrin

R.T.: 6.393 min  
Delta R.T.: -0.002 min  
Response: 81513132  
Conc: 5.55 ng/ml



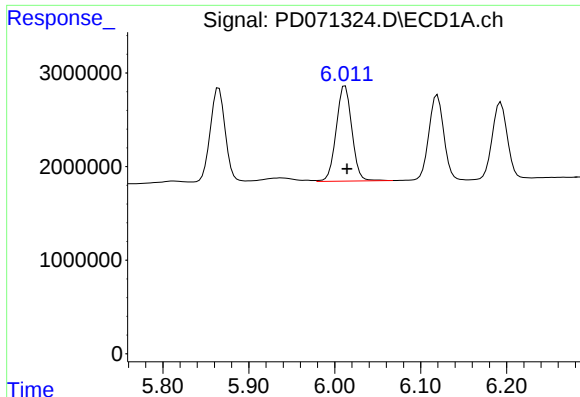
#14 Endrin

R.T.: 5.717 min  
Delta R.T.: -0.002 min  
Response: 12875373  
Conc: 4.07 ng/ml



#14 Endrin

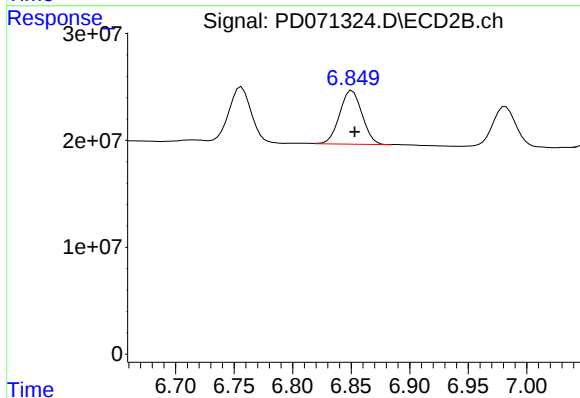
R.T.: 6.626 min  
Delta R.T.: -0.002 min  
Response: 62782651  
Conc: 5.02 ng/ml



#15 Endosulfan II

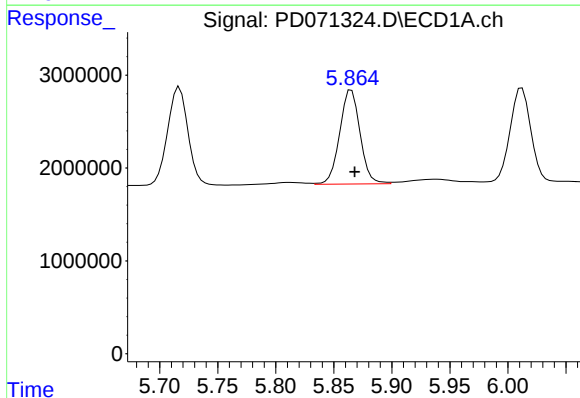
R.T.: 6.012 min  
Delta R.T.: -0.002 min  
Response: 12832135  
Conc: 4.27 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



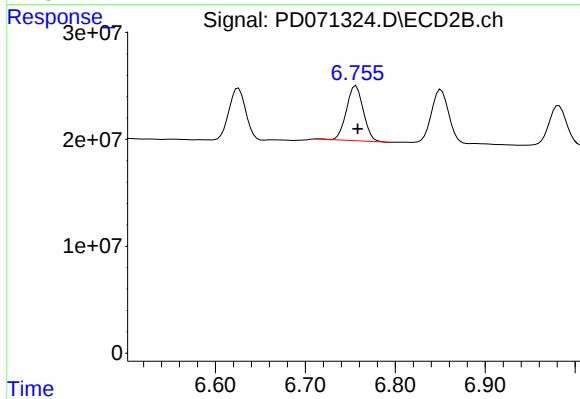
#15 Endosulfan II

R.T.: 6.851 min  
Delta R.T.: -0.002 min  
Response: 66872473  
Conc: 5.39 ng/ml



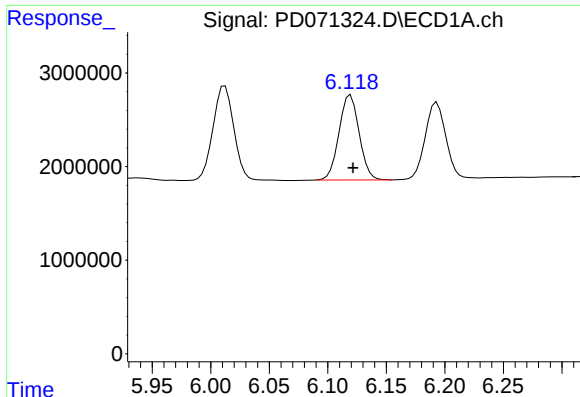
#16 4,4'-DDD

R.T.: 5.865 min  
Delta R.T.: -0.003 min  
Response: 12373215  
Conc: 4.34 ng/ml



#16 4,4'-DDD

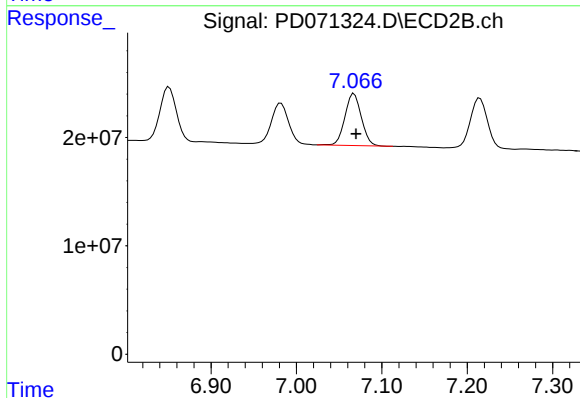
R.T.: 6.756 min  
Delta R.T.: -0.002 min  
Response: 66930029  
Conc: 5.63 ng/ml



#17 4,4'-DDT

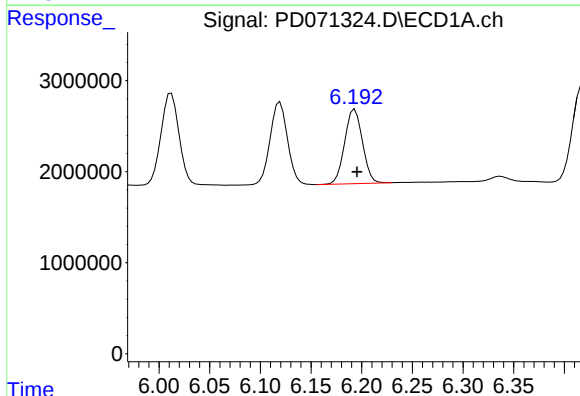
R.T.: 6.119 min  
Delta R.T.: -0.002 min  
Response: 10888988  
Conc: 3.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



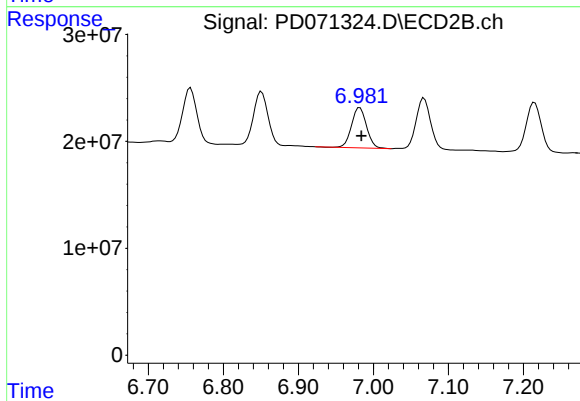
#17 4,4'-DDT

R.T.: 7.068 min  
Delta R.T.: -0.002 min  
Response: 64440219  
Conc: 4.94 ng/ml



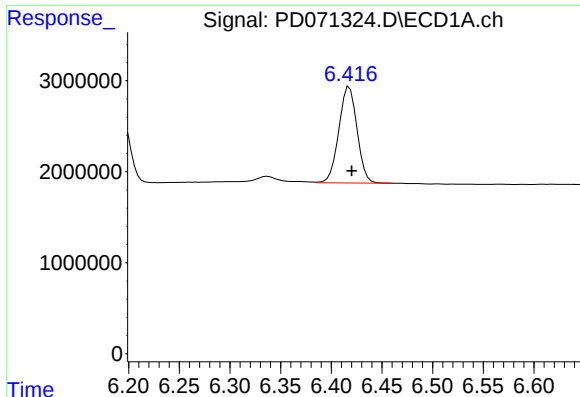
#18 Endrin aldehyde

R.T.: 6.193 min  
Delta R.T.: -0.002 min  
Response: 9962567  
Conc: 4.52 ng/ml



#18 Endrin aldehyde

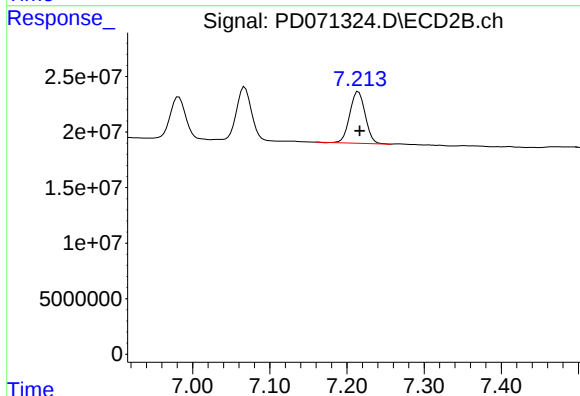
R.T.: 6.982 min  
Delta R.T.: -0.002 min  
Response: 52596413  
Conc: 5.43 ng/ml



#19 Endosulfan Sulfate

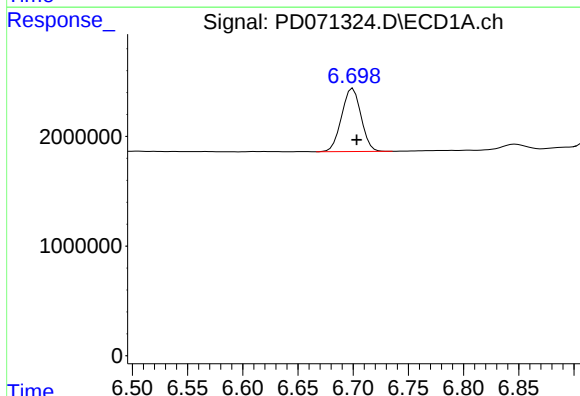
R.T.: 6.418 min  
Delta R.T.: -0.002 min  
Response: 13224525  
Conc: 4.60 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



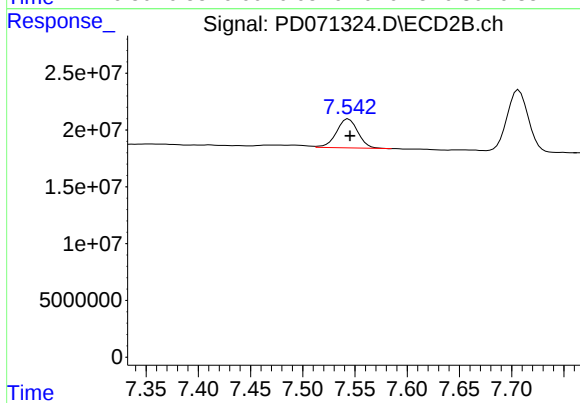
#19 Endosulfan Sulfate

R.T.: 7.215 min  
Delta R.T.: -0.002 min  
Response: 64911572  
Conc: 5.44 ng/ml



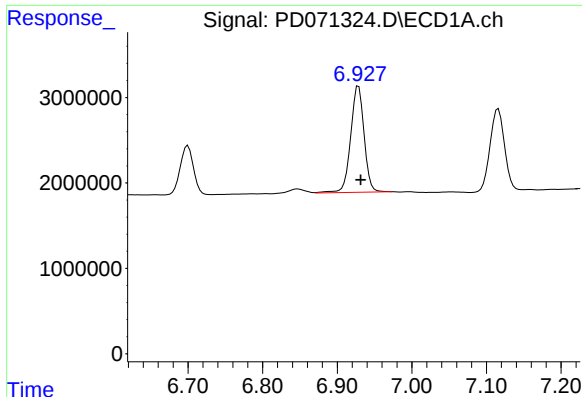
#20 Methoxychlor

R.T.: 6.700 min  
Delta R.T.: -0.003 min  
Response: 7061932  
Conc: 4.28 ng/ml



#20 Methoxychlor

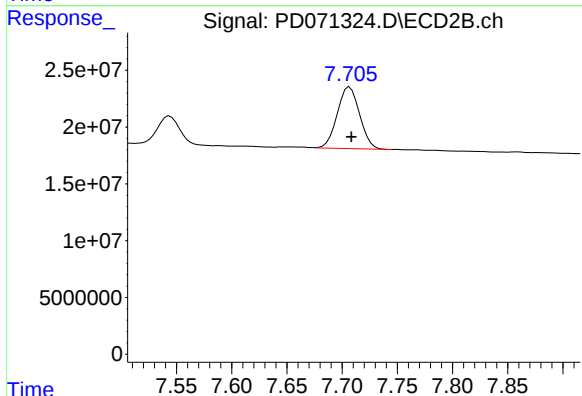
R.T.: 7.544 min  
Delta R.T.: -0.002 min  
Response: 36119798  
Conc: 5.24 ng/ml



#21 Endrin ketone

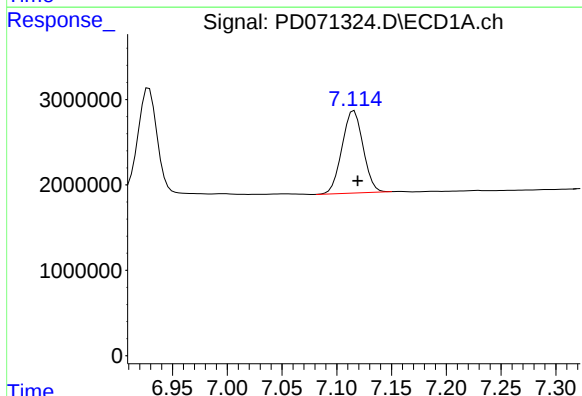
R.T.: 6.929 min  
Delta R.T.: -0.003 min  
Response: 15549313  
Conc: 4.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



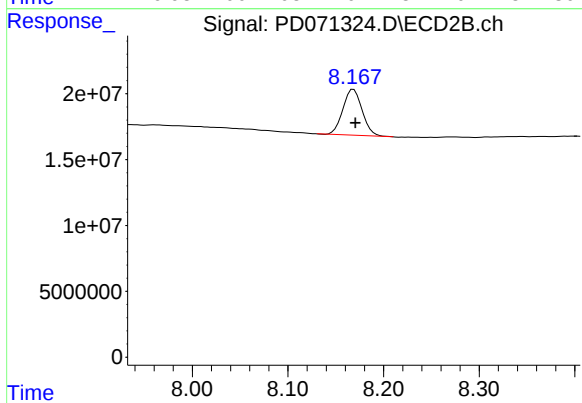
#21 Endrin ketone

R.T.: 7.707 min  
Delta R.T.: -0.002 min  
Response: 76466100  
Conc: 5.70 ng/ml



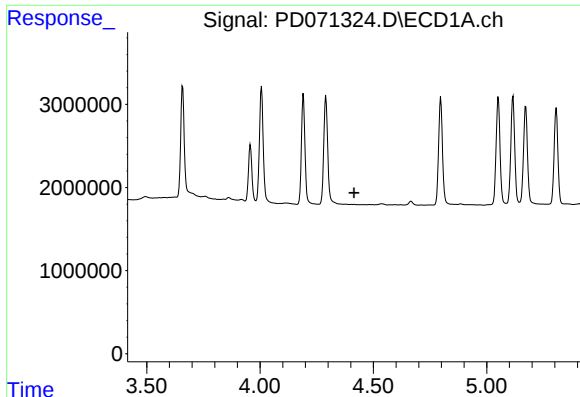
#22 Mirex

R.T.: 7.116 min  
Delta R.T.: -0.003 min  
Response: 12898160  
Conc: 5.27 ng/ml



#22 Mirex

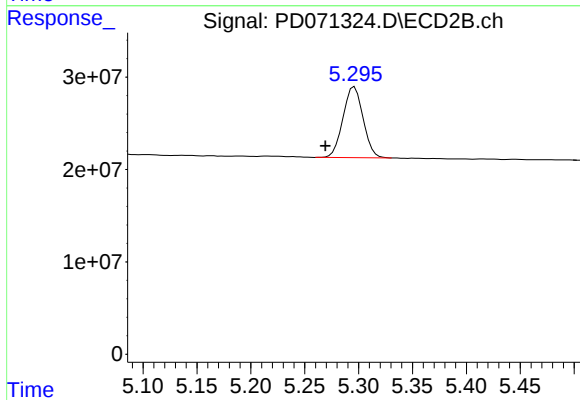
R.T.: 8.169 min  
Delta R.T.: -0.002 min  
Response: 48688924  
Conc: 5.66 ng/ml



#24 Chlordane-2

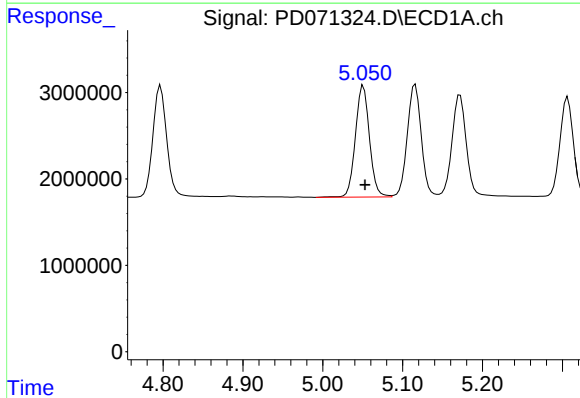
R.T.: 0.000 min  
Exp R.T.: 4.415 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



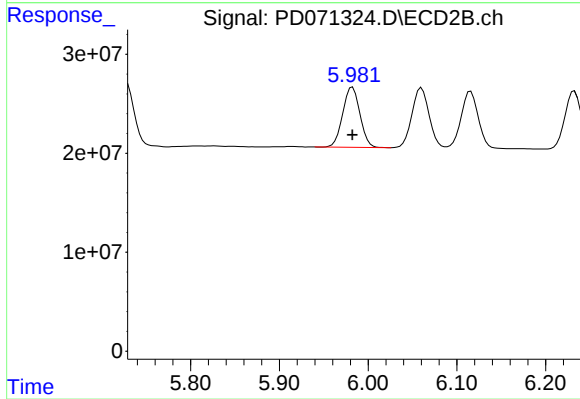
#24 Chlordane-2

R.T.: 5.296 min  
Delta R.T.: 0.027 min  
Response: 99539505  
Conc: 166.17 ng/ml



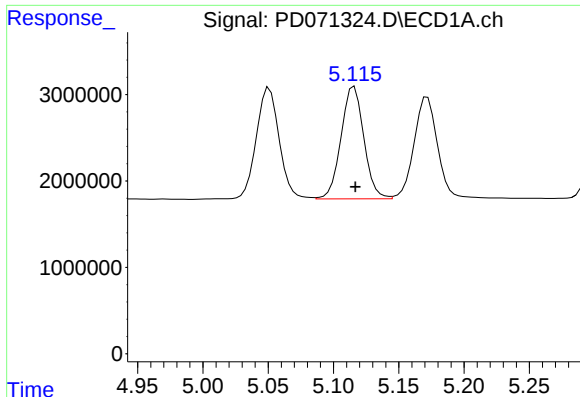
#25 Chlordane-3

R.T.: 5.051 min  
Delta R.T.: -0.002 min  
Response: 15836561  
Conc: 46.38 ng/ml



#25 Chlordane-3

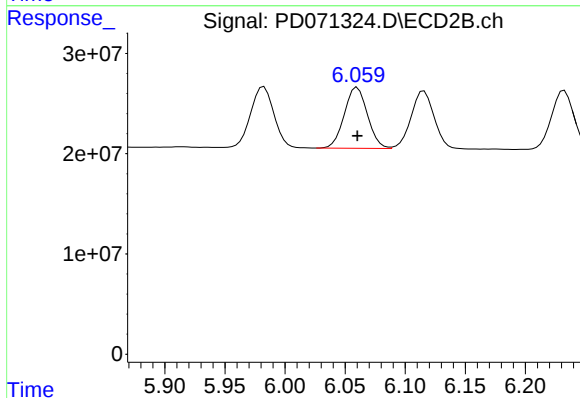
R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 82245283  
Conc: 44.36 ng/ml



#26 Chlordane-4

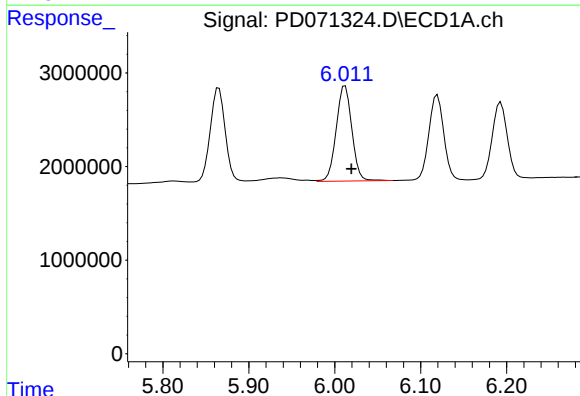
R.T.: 5.116 min  
Delta R.T.: -0.001 min  
Response: 15820523  
Conc: 49.87 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



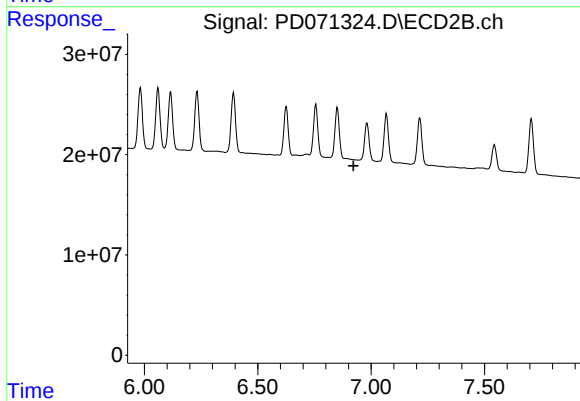
#26 Chlordane-4

R.T.: 6.060 min  
Delta R.T.: 0.000 min  
Response: 81918652  
Conc: 37.58 ng/ml



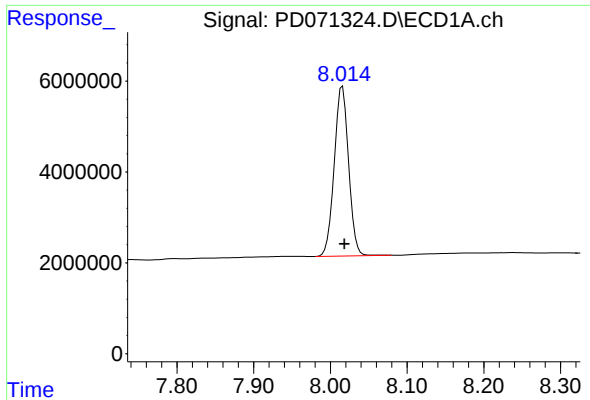
#27 Chlordane-5

R.T.: 6.012 min  
Delta R.T.: -0.007 min  
Response: 12832135  
Conc: 106.13 ng/ml



#27 Chlordane-5

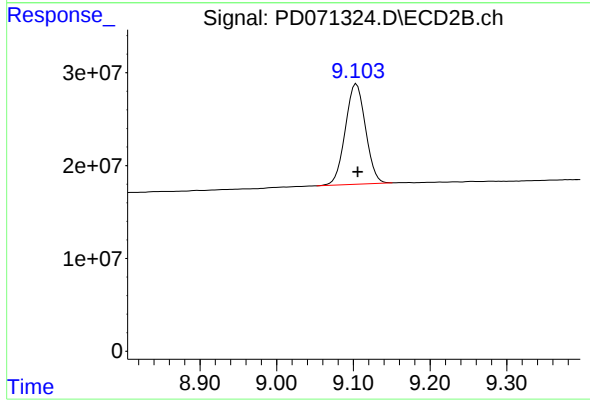
R.T.: 0.000 min  
Exp R.T. : 6.923 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.016 min  
Delta R.T.: -0.003 min  
Response: 48554468  
Conc: 17.51 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.104 min  
Delta R.T.: -0.002 min  
Response: 199519012  
Conc: 19.27 ng/ml