

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080422\  
 Data File : PD071323.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Aug 2022 13:39  
 Operator : AR\AJ  
 Sample : N3980-01  
 Misc : PEST LOD 2.5 PPB  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 05 03:19:54 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  | 44114490 | 499.8E6  | 15.555 | 17.755   |
| 28)                         | SA Decachlor... | 8.016 | 9.104  | 47075174 | 194.1E6  | 16.973 | 18.748   |
| Target Compounds            |                 |       |        |          |          |        |          |
| 2)                          | A alpha-BHC     | 3.325 | 4.040  | 9303220  | 108.9E6  | 2.219  | 2.934 #  |
| 3)                          | MA gamma-BHC... | 3.659 | 4.375  | 8747449  | 88476045 | 2.187  | 2.955 #  |
| 4)                          | MA Heptachlor   | 4.006 | 4.954  | 8955877  | 70152725 | 2.111  | 3.318 #  |
| 5)                          | MB Aldrin       | 4.290 | 5.296  | 8875848  | 57024495 | 2.176  | 3.229 #  |
| 6)                          | B beta-BHC      | 3.957 | 4.582  | 3943936  | 37195237 | 2.309  | 3.140 #  |
| 7)                          | B delta-BHC     | 4.191 | 4.830  | 7884793  | 66551430 | 2.009  | 3.344 #  |
| 8)                          | B Heptachlo...  | 4.797 | 5.728  | 8630585  | 51556912 | 2.357  | 3.945 #  |
| 9)                          | A Endosulfan I  | 5.172 | 6.116  | 8054909  | 43075369 | 2.352  | 3.133 #  |
| 10)                         | B gamma-Chl...  | 5.051 | 5.982  | 8711685  | 45919507 | 2.293  | 3.127 #  |
| 11)                         | B alpha-Chl...  | 5.116 | 6.060  | 8796582  | 45856316 | 2.367  | 3.162 #  |
| 12)                         | B 4,4'-DDE      | 5.306 | 6.233  | 7377490  | 43259869 | 2.156  | 3.026 #  |
| 13)                         | MA Dieldrin     | 5.439 | 6.393  | 8059586  | 44978669 | 2.225  | 3.061 #  |
| 14)                         | MA Endrin       | 5.717 | 6.626  | 7240831  | 34801148 | 2.287  | 2.782    |
| 15)                         | B Endosulfa...  | 6.012 | 6.851  | 7102494  | 38177479 | 2.363  | 3.079 #  |
| 16)                         | A 4,4'-DDD      | 5.865 | 6.756  | 6860051  | 36323962 | 2.406  | 3.054 #  |
| 17)                         | MA 4,4'-DDT     | 6.119 | 7.068  | 5837261  | 35498700 | 1.978  | 2.722 #  |
| 18)                         | B Endrin al...  | 6.192 | 6.982  | 5550467  | 29458863 | 2.518  | 3.041    |
| 19)                         | B Endosulfa...  | 6.417 | 7.214  | 7660117  | 37155746 | 2.664  | 3.115    |
| 20)                         | A Methoxychlor  | 6.700 | 7.544  | 3944397  | 21598324 | 2.391  | 3.133 #  |
| 21)                         | B Endrin ke...  | 6.928 | 7.708  | 8692799  | 44069322 | 2.668  | 3.283    |
| 22)                         | Mirex           | 7.116 | 8.169  | 7372449  | 26813230 | 3.011  | 3.117    |
| 24)                         | Chlordane-2     | 0.000 | 5.296f | 0        | 57024495 | N.D.   | 95.198 # |
| 25)                         | Chlordane-3     | 5.051 | 5.982  | 8711685  | 45919507 | 25.513 | 24.769   |
| 26)                         | Chlordane-4     | 5.116 | 6.060  | 8796582  | 45856316 | 27.727 | 21.039   |
| 27)                         | Chlordane-5     | 6.012 | 0.000  | 7102494  | 0        | 58.743 | N.D. #   |
| -----                       |                 |       |        |          |          |        |          |

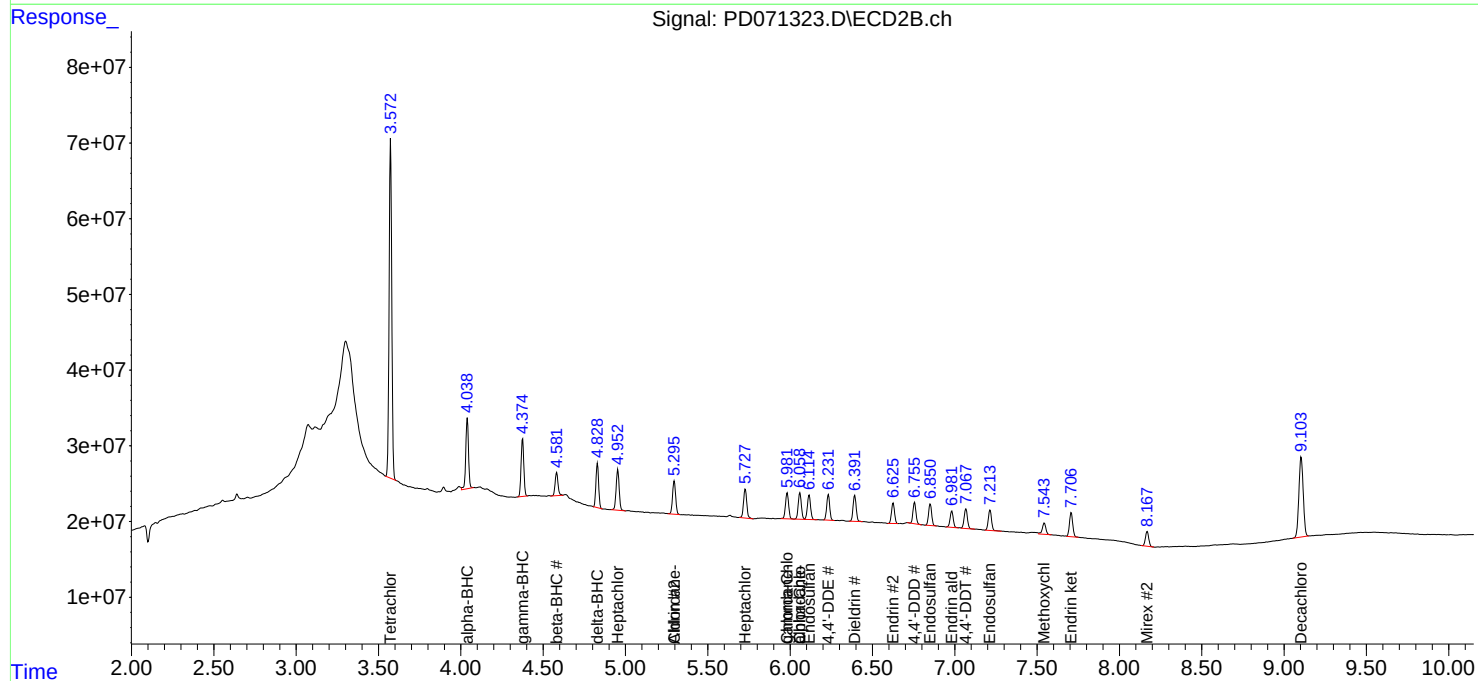
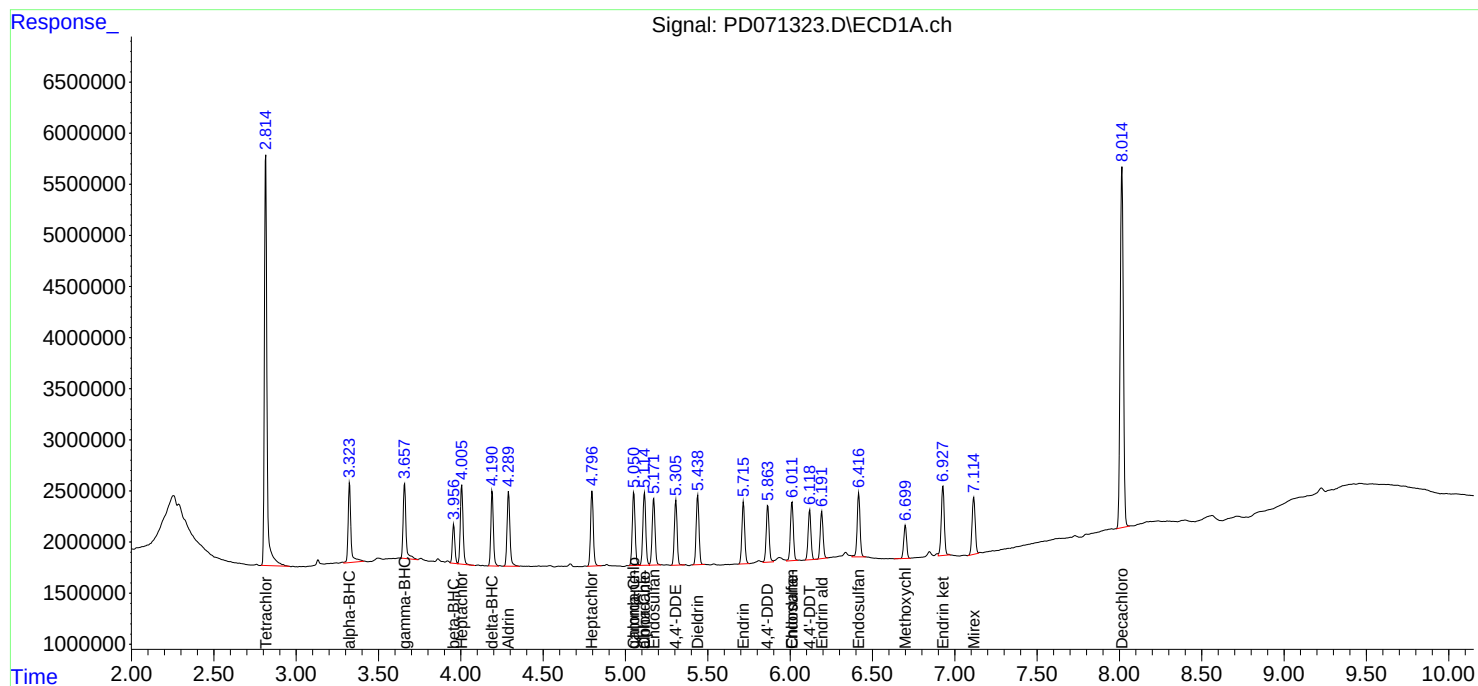
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

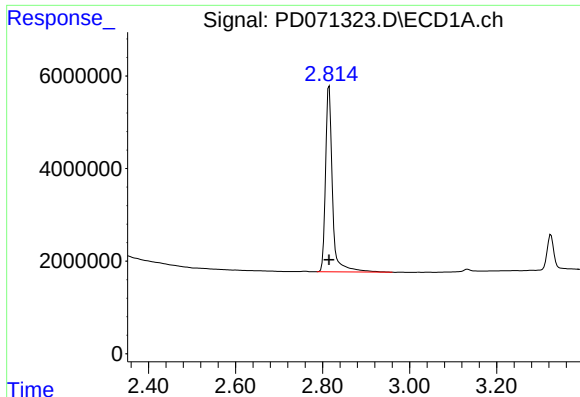
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD080422\  
Data File : PD071323.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 04 Aug 2022 13:39  
Operator : AR\AJ  
Sample : N3980-01  
Misc : PEST LOD 2.5 PPB  
ALS Vial : 9 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 05 03:19:54 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

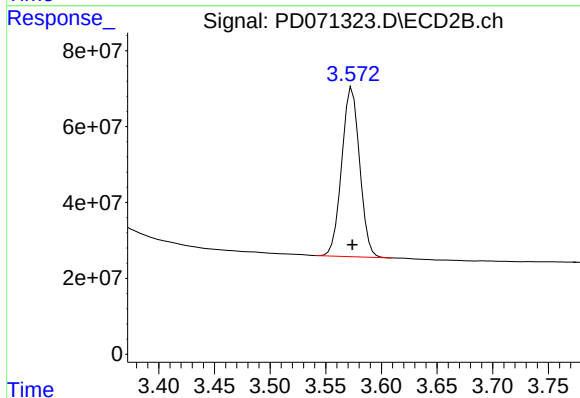




#1 Tetrachloro-m-xylene

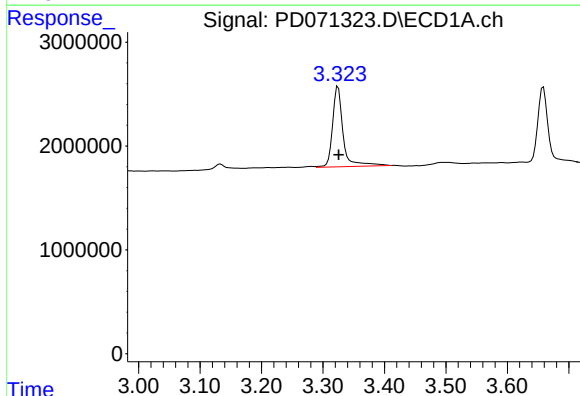
R.T.: 2.815 min  
Delta R.T.: 0.000 min  
Response: 44114490  
Conc: 15.56 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



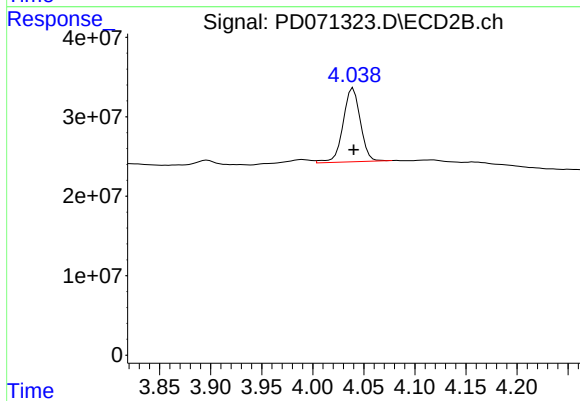
#1 Tetrachloro-m-xylene

R.T.: 3.574 min  
Delta R.T.: 0.000 min  
Response: 499808717  
Conc: 17.76 ng/ml



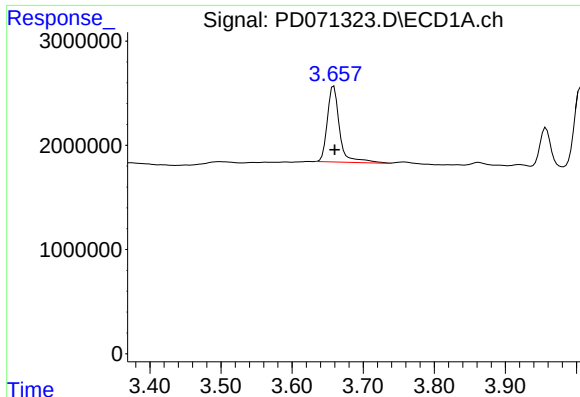
#2 alpha-BHC

R.T.: 3.325 min  
Delta R.T.: -0.001 min  
Response: 9303220  
Conc: 2.22 ng/ml



#2 alpha-BHC

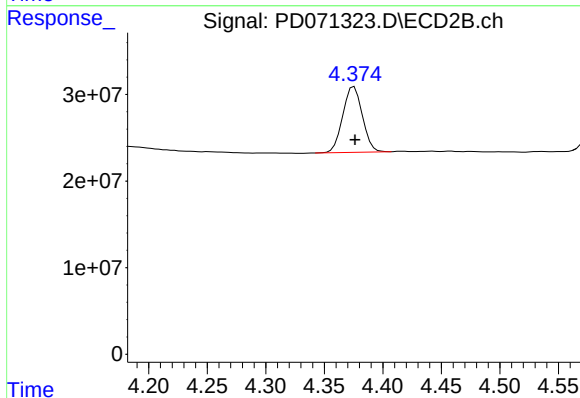
R.T.: 4.040 min  
Delta R.T.: 0.000 min  
Response: 108914070  
Conc: 2.93 ng/ml



#3 gamma-BHC (Lindane)

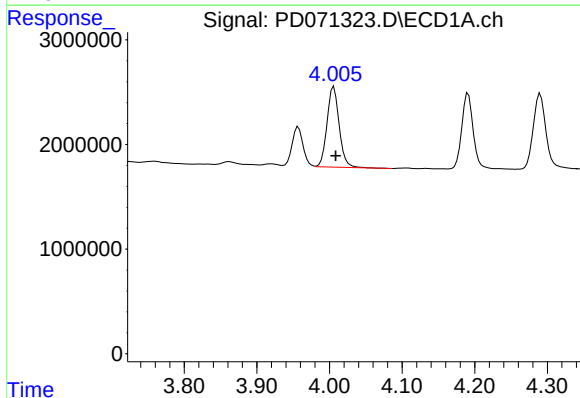
R.T.: 3.659 min  
Delta R.T.: -0.001 min  
Response: 8747449  
Conc: 2.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



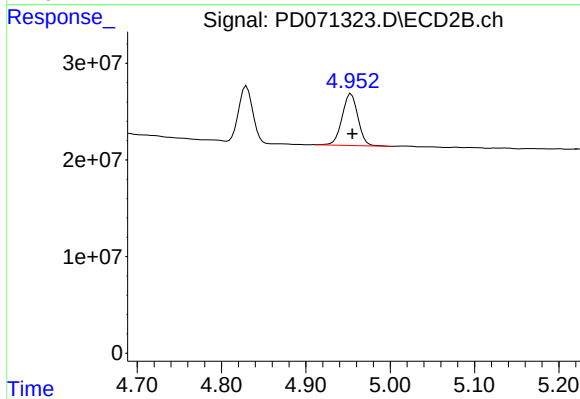
#3 gamma-BHC (Lindane)

R.T.: 4.375 min  
Delta R.T.: 0.000 min  
Response: 88476045  
Conc: 2.95 ng/ml



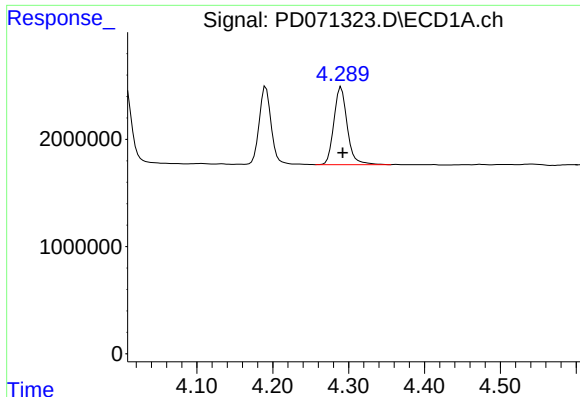
#4 Heptachlor

R.T.: 4.006 min  
Delta R.T.: -0.002 min  
Response: 8955877  
Conc: 2.11 ng/ml



#4 Heptachlor

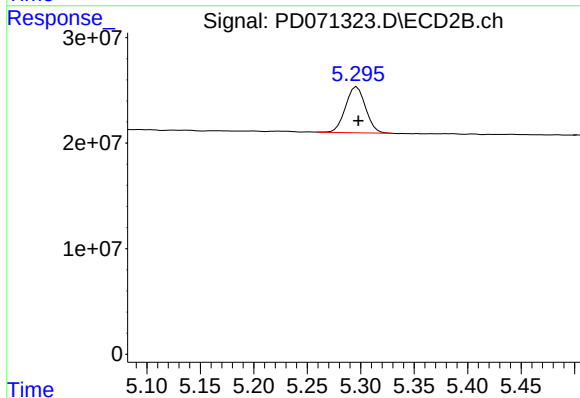
R.T.: 4.954 min  
Delta R.T.: -0.001 min  
Response: 70152725  
Conc: 3.32 ng/ml



#5 Aldrin

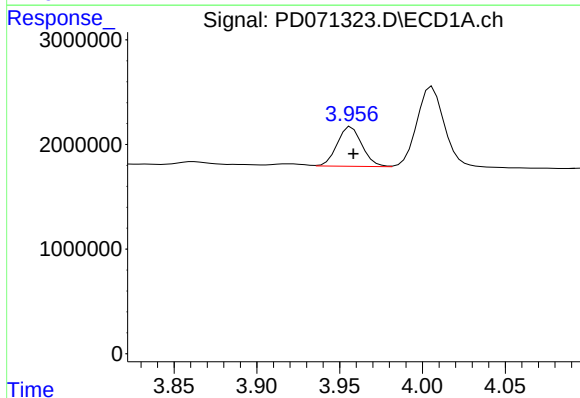
R.T.: 4.290 min  
Delta R.T.: -0.002 min  
Response: 8875848  
Conc: 2.18 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



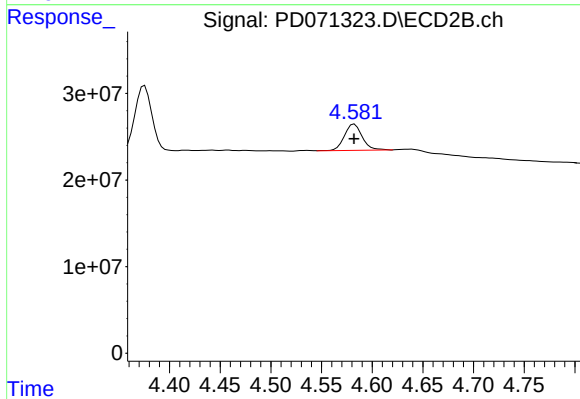
#5 Aldrin

R.T.: 5.296 min  
Delta R.T.: -0.001 min  
Response: 57024495  
Conc: 3.23 ng/ml



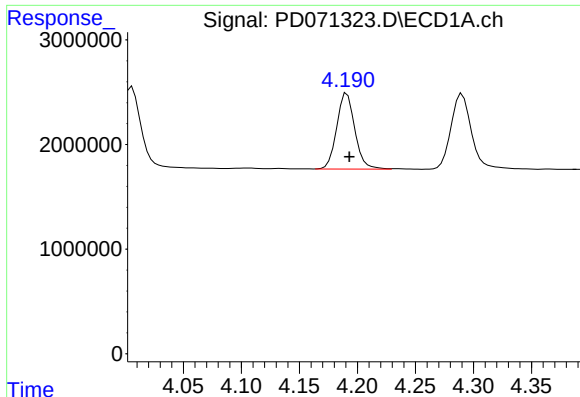
#6 beta-BHC

R.T.: 3.957 min  
Delta R.T.: -0.001 min  
Response: 3943936  
Conc: 2.31 ng/ml



#6 beta-BHC

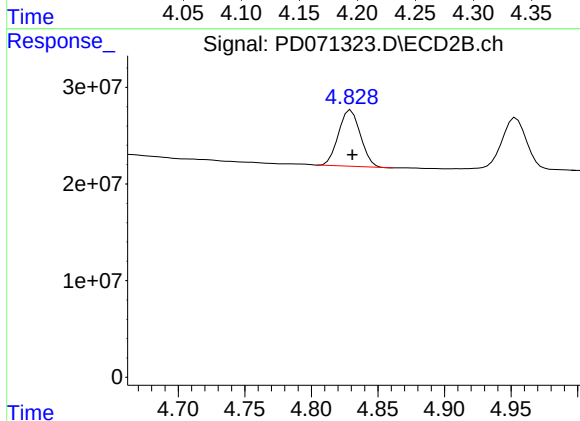
R.T.: 4.582 min  
Delta R.T.: 0.000 min  
Response: 37195237  
Conc: 3.14 ng/ml



#7 delta-BHC

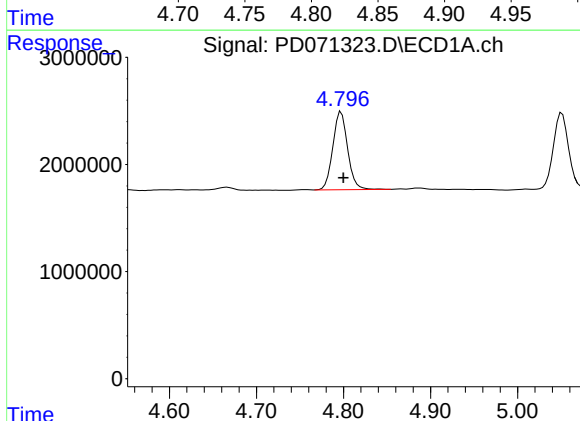
R.T.: 4.191 min  
Delta R.T.: -0.002 min  
Response: 7884793  
Conc: 2.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



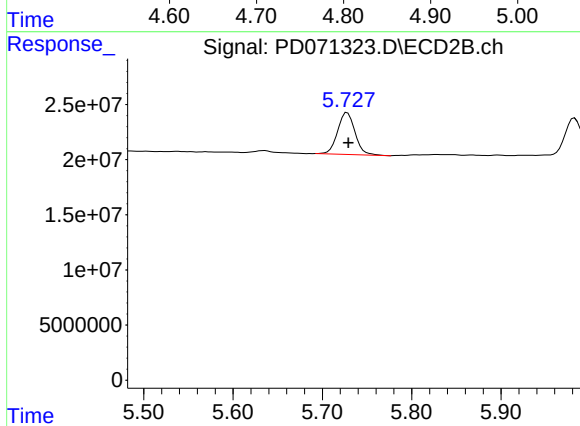
#7 delta-BHC

R.T.: 4.830 min  
Delta R.T.: -0.001 min  
Response: 66551430  
Conc: 3.34 ng/ml



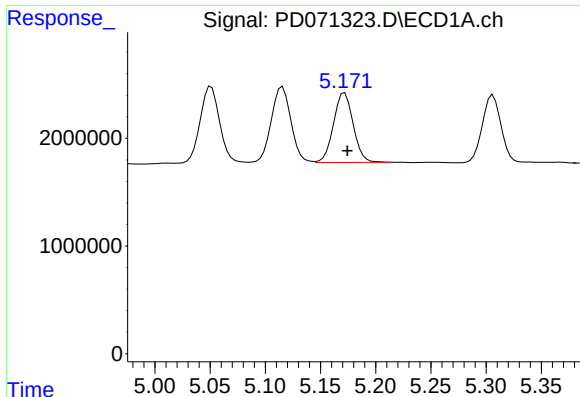
#8 Heptachlor epoxide

R.T.: 4.797 min  
Delta R.T.: -0.002 min  
Response: 8630585  
Conc: 2.36 ng/ml



#8 Heptachlor epoxide

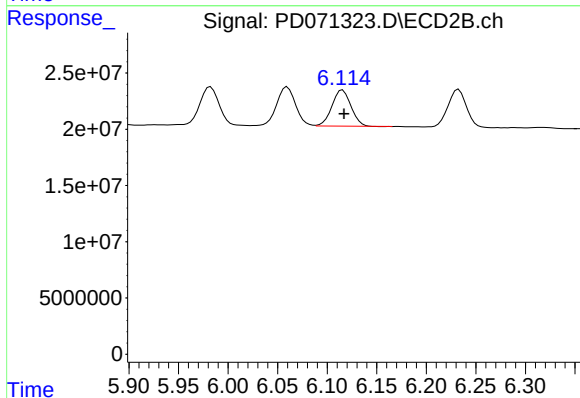
R.T.: 5.728 min  
Delta R.T.: -0.001 min  
Response: 51556912  
Conc: 3.95 ng/ml



#9 Endosulfan I

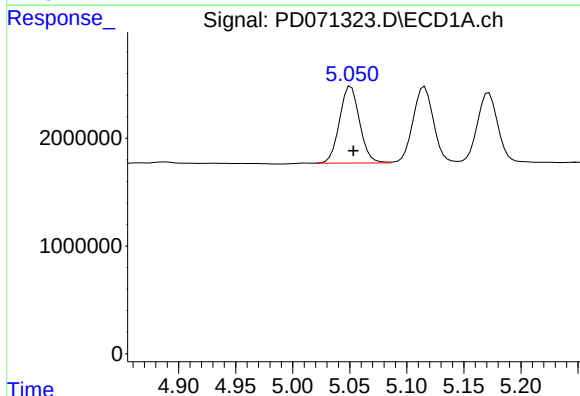
R.T.: 5.172 min  
Delta R.T.: -0.002 min  
Response: 8054909  
Conc: 2.35 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



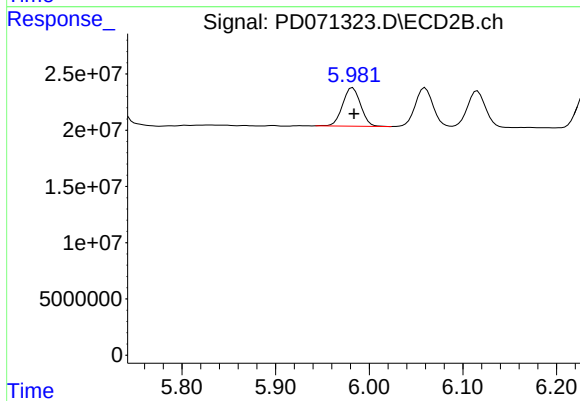
#9 Endosulfan I

R.T.: 6.116 min  
Delta R.T.: -0.002 min  
Response: 43075369  
Conc: 3.13 ng/ml



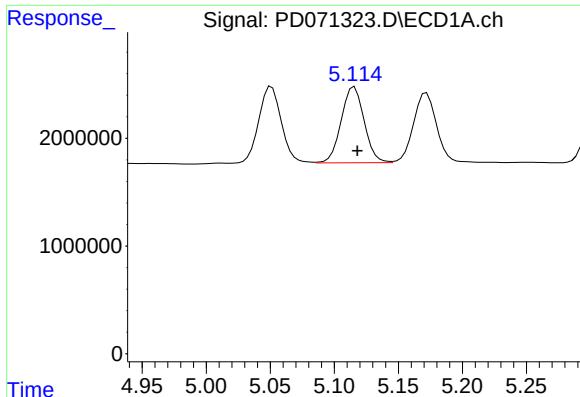
#10 gamma-Chlordane

R.T.: 5.051 min  
Delta R.T.: -0.002 min  
Response: 8711685  
Conc: 2.29 ng/ml



#10 gamma-Chlordane

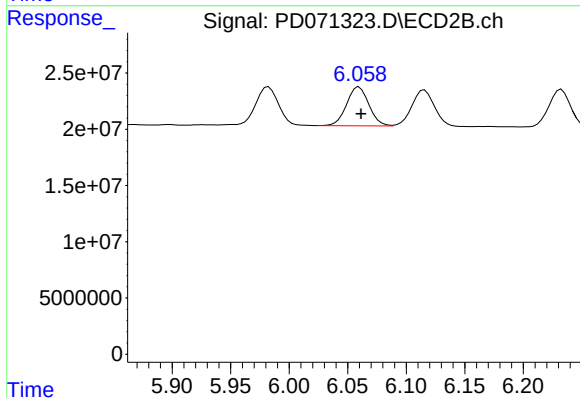
R.T.: 5.982 min  
Delta R.T.: -0.001 min  
Response: 45919507  
Conc: 3.13 ng/ml



#11 alpha-Chlordane

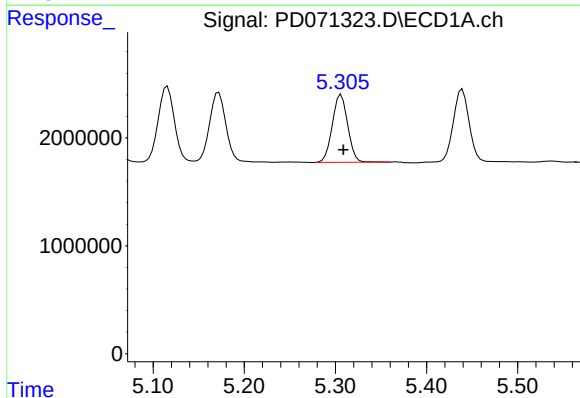
R.T.: 5.116 min  
Delta R.T.: -0.002 min  
Response: 8796582  
Conc: 2.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



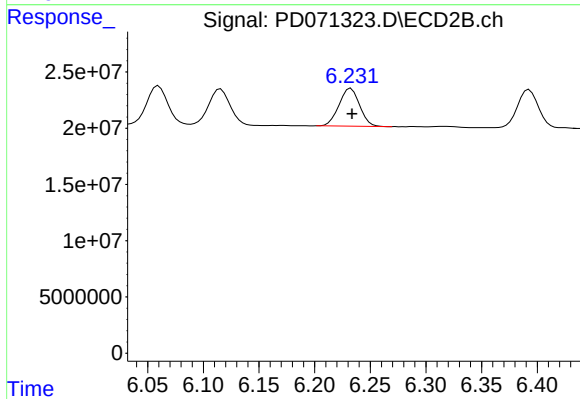
#11 alpha-Chlordane

R.T.: 6.060 min  
Delta R.T.: -0.001 min  
Response: 45856316  
Conc: 3.16 ng/ml



#12 4,4'-DDE

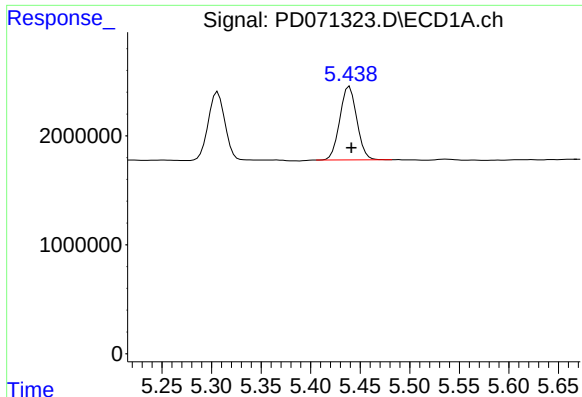
R.T.: 5.306 min  
Delta R.T.: -0.002 min  
Response: 7377490  
Conc: 2.16 ng/ml



#12 4,4'-DDE

R.T.: 6.233 min  
Delta R.T.: -0.001 min  
Response: 43259869  
Conc: 3.03 ng/ml

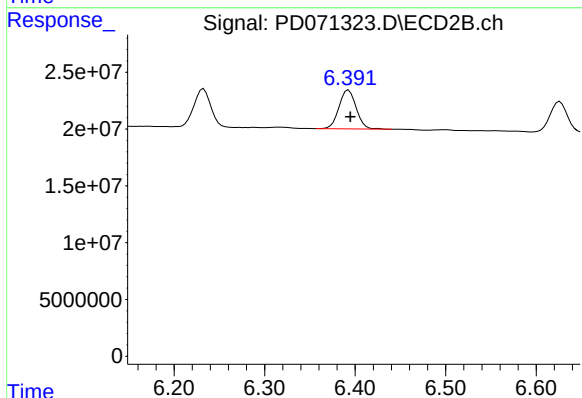




#13 Dieldrin

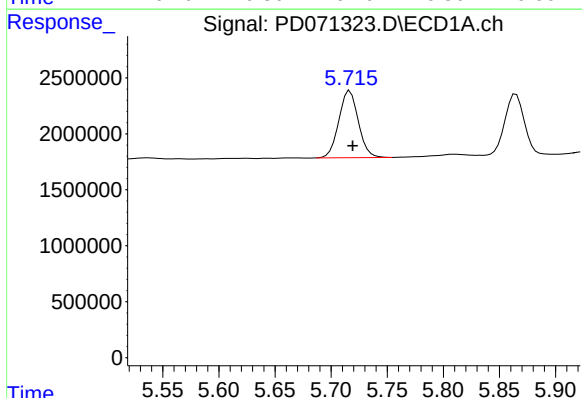
R.T.: 5.439 min  
Delta R.T.: -0.002 min  
Response: 8059586  
Conc: 2.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



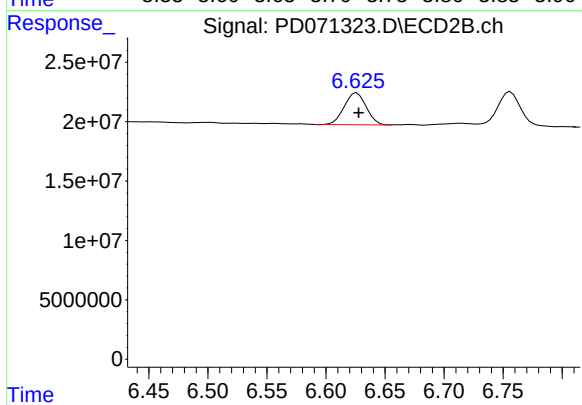
#13 Dieldrin

R.T.: 6.393 min  
Delta R.T.: -0.002 min  
Response: 44978669  
Conc: 3.06 ng/ml



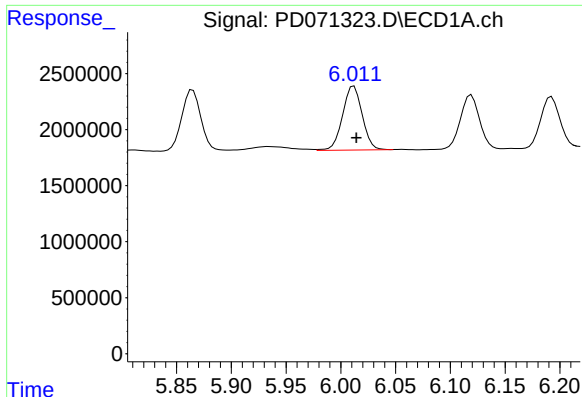
#14 Endrin

R.T.: 5.717 min  
Delta R.T.: -0.002 min  
Response: 7240831  
Conc: 2.29 ng/ml



#14 Endrin

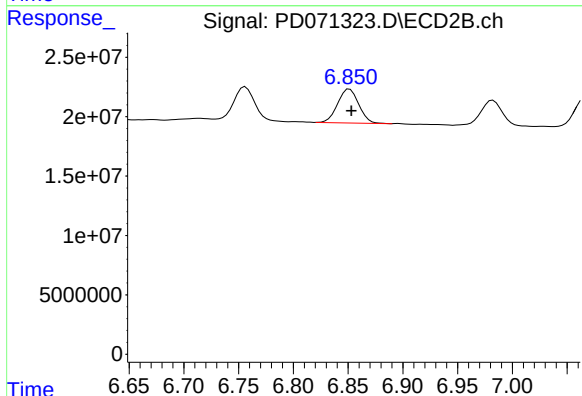
R.T.: 6.626 min  
Delta R.T.: -0.002 min  
Response: 34801148  
Conc: 2.78 ng/ml



#15 Endosulfan II

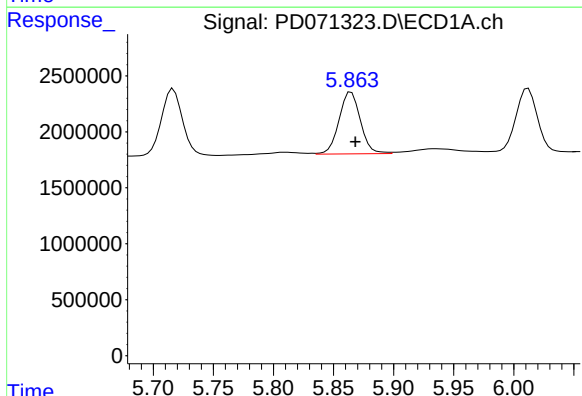
R.T.: 6.012 min  
Delta R.T.: -0.002 min  
Response: 7102494  
Conc: 2.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



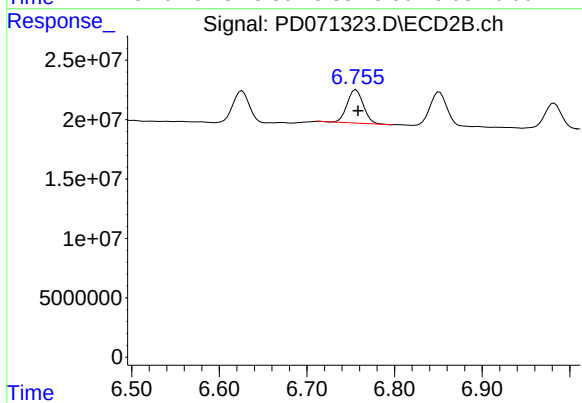
#15 Endosulfan II

R.T.: 6.851 min  
Delta R.T.: -0.002 min  
Response: 38177479  
Conc: 3.08 ng/ml



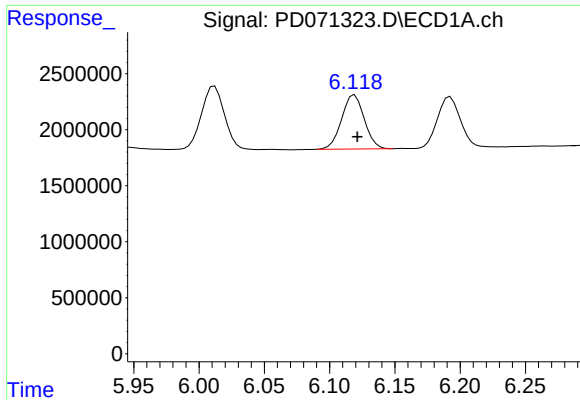
#16 4,4'-DDD

R.T.: 5.865 min  
Delta R.T.: -0.003 min  
Response: 6860051  
Conc: 2.41 ng/ml



#16 4,4'-DDD

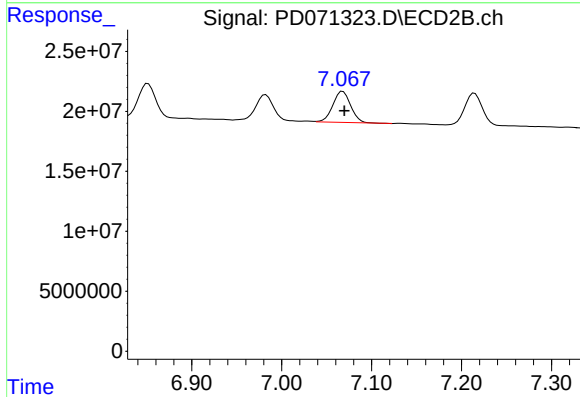
R.T.: 6.756 min  
Delta R.T.: -0.002 min  
Response: 36323962  
Conc: 3.05 ng/ml



#17 4,4'-DDT

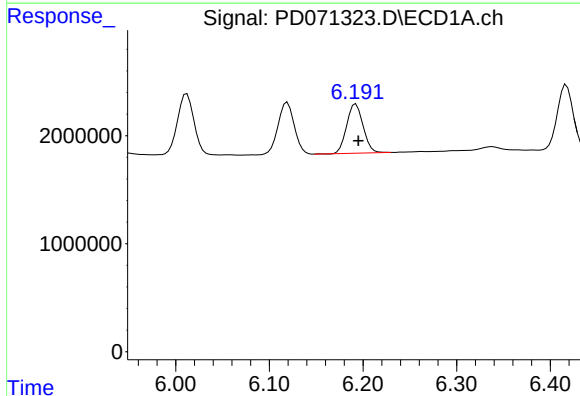
R.T.: 6.119 min  
Delta R.T.: -0.002 min  
Response: 5837261  
Conc: 1.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



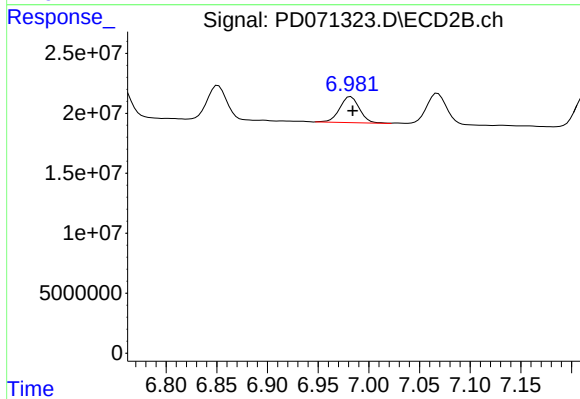
#17 4,4'-DDT

R.T.: 7.068 min  
Delta R.T.: -0.002 min  
Response: 35498700  
Conc: 2.72 ng/ml



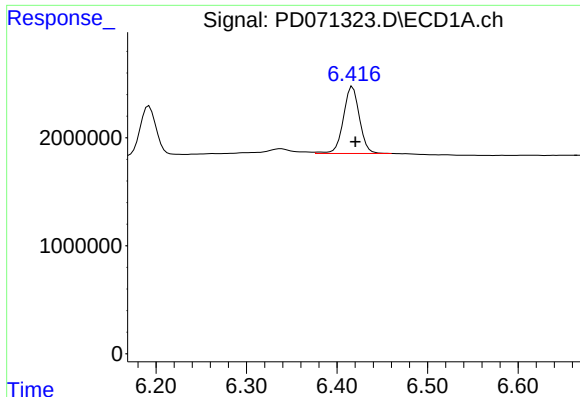
#18 Endrin aldehyde

R.T.: 6.192 min  
Delta R.T.: -0.003 min  
Response: 5550467  
Conc: 2.52 ng/ml



#18 Endrin aldehyde

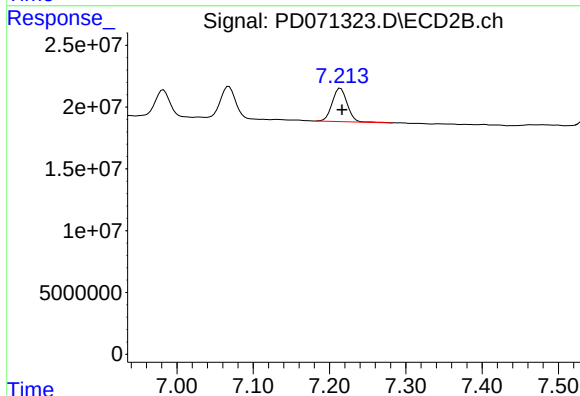
R.T.: 6.982 min  
Delta R.T.: -0.002 min  
Response: 29458863  
Conc: 3.04 ng/ml



#19 Endosulfan Sulfate

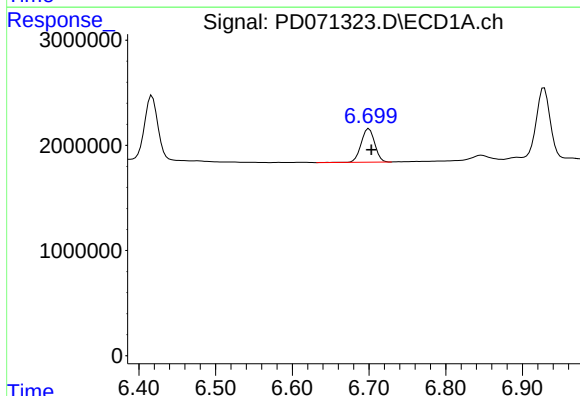
R.T.: 6.417 min  
Delta R.T.: -0.003 min  
Response: 7660117  
Conc: 2.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



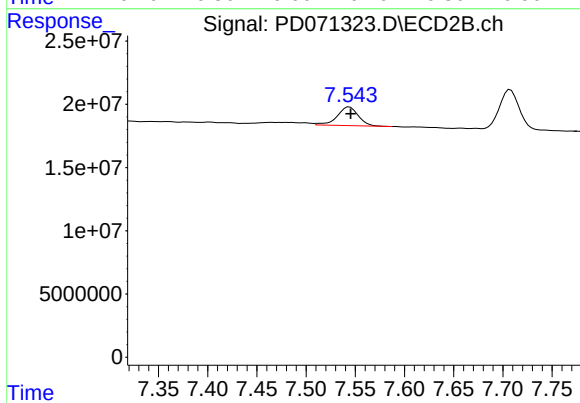
#19 Endosulfan Sulfate

R.T.: 7.214 min  
Delta R.T.: -0.002 min  
Response: 37155746  
Conc: 3.12 ng/ml



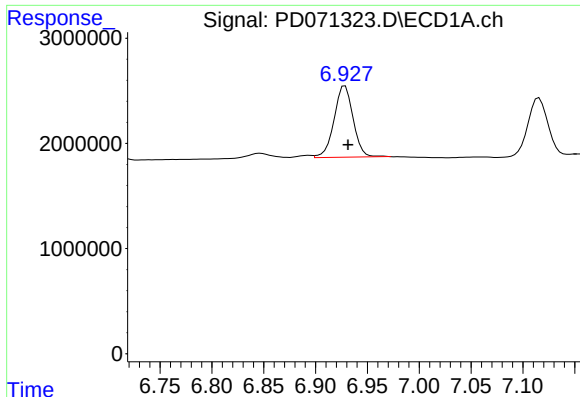
#20 Methoxychlor

R.T.: 6.700 min  
Delta R.T.: -0.003 min  
Response: 3944397  
Conc: 2.39 ng/ml



#20 Methoxychlor

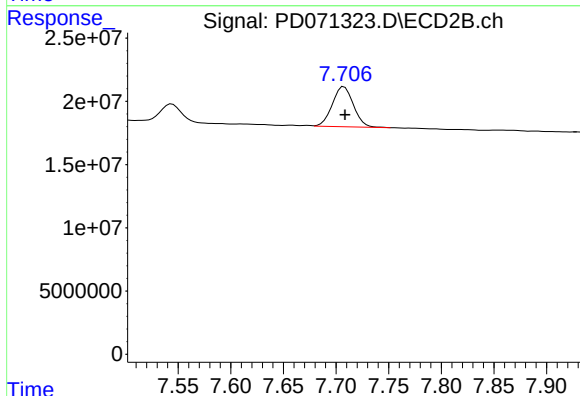
R.T.: 7.544 min  
Delta R.T.: -0.001 min  
Response: 21598324  
Conc: 3.13 ng/ml



#21 Endrin ketone

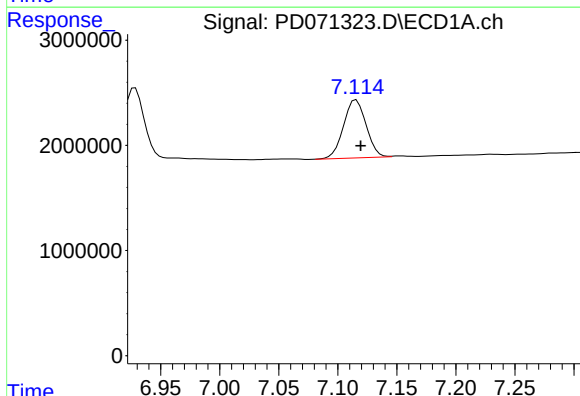
R.T.: 6.928 min  
Delta R.T.: -0.003 min  
Response: 8692799  
Conc: 2.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



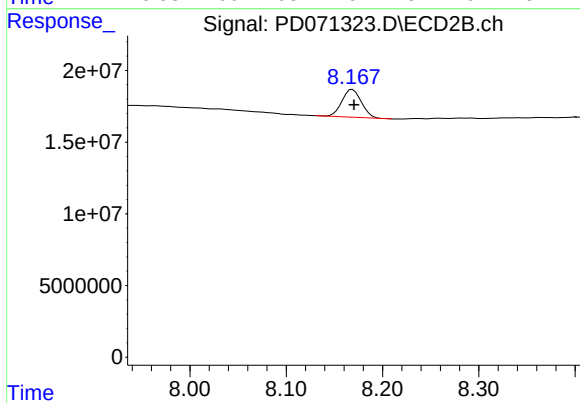
#21 Endrin ketone

R.T.: 7.708 min  
Delta R.T.: 0.000 min  
Response: 44069322  
Conc: 3.28 ng/ml



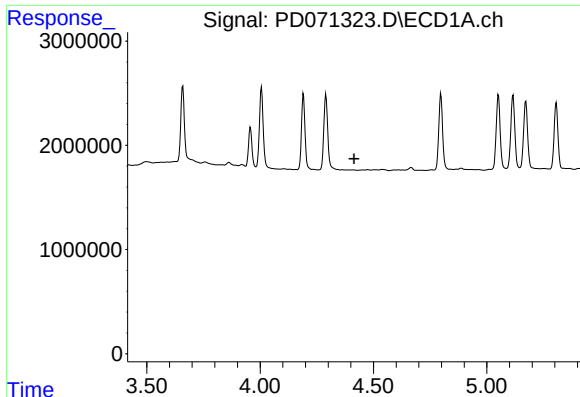
#22 Mirex

R.T.: 7.116 min  
Delta R.T.: -0.004 min  
Response: 7372449  
Conc: 3.01 ng/ml



#22 Mirex

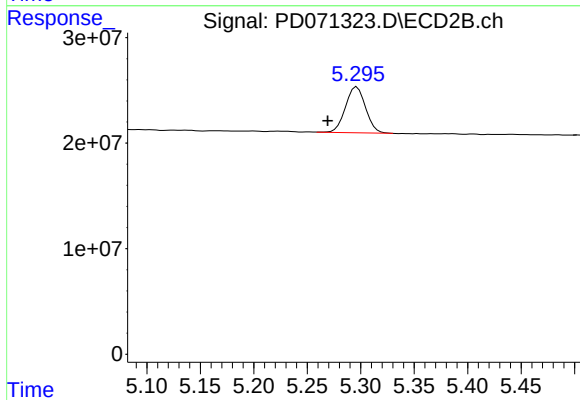
R.T.: 8.169 min  
Delta R.T.: -0.002 min  
Response: 26813230  
Conc: 3.12 ng/ml



#24 Chlordane-2

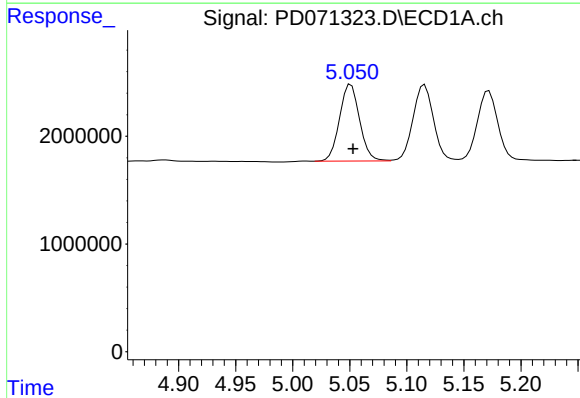
R.T.: 0.000 min  
Exp R.T.: 4.415 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



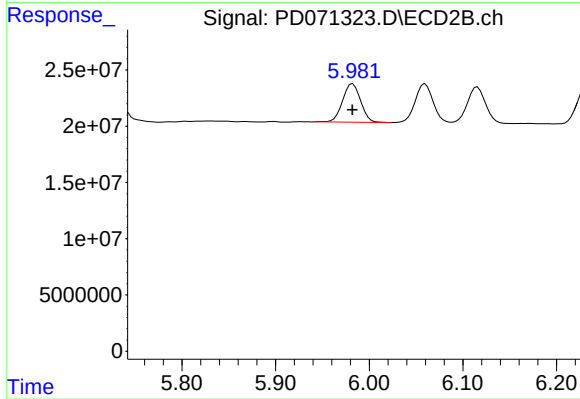
#24 Chlordane-2

R.T.: 5.296 min  
Delta R.T.: 0.027 min  
Response: 57024495  
Conc: 95.20 ng/ml



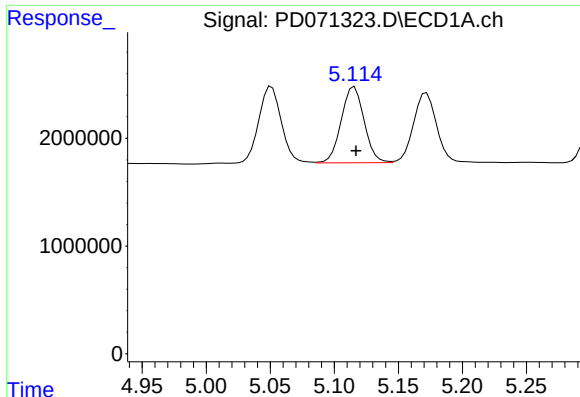
#25 Chlordane-3

R.T.: 5.051 min  
Delta R.T.: -0.002 min  
Response: 8711685  
Conc: 25.51 ng/ml



#25 Chlordane-3

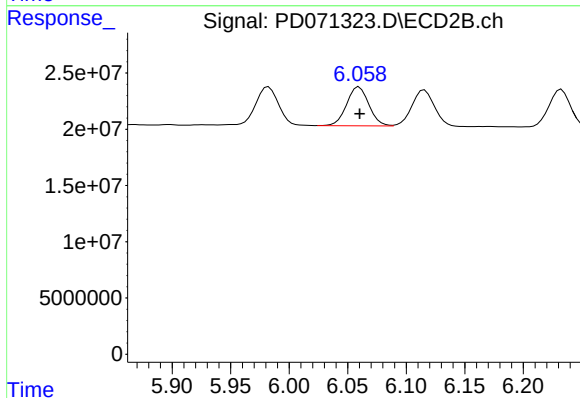
R.T.: 5.982 min  
Delta R.T.: 0.000 min  
Response: 45919507  
Conc: 24.77 ng/ml



#26 Chlordane-4

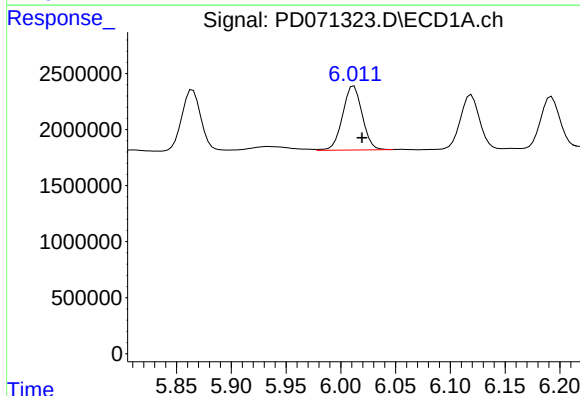
R.T.: 5.116 min  
Delta R.T.: -0.001 min  
Response: 8796582  
Conc: 27.73 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



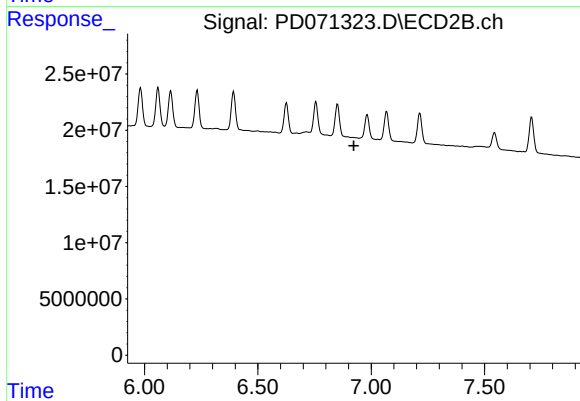
#26 Chlordane-4

R.T.: 6.060 min  
Delta R.T.: 0.000 min  
Response: 45856316  
Conc: 21.04 ng/ml



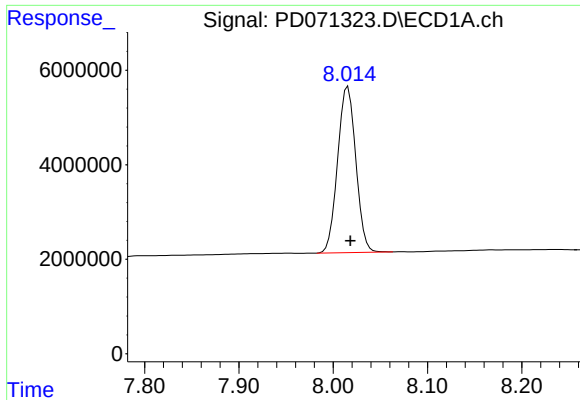
#27 Chlordane-5

R.T.: 6.012 min  
Delta R.T.: -0.008 min  
Response: 7102494  
Conc: 58.74 ng/ml



#27 Chlordane-5

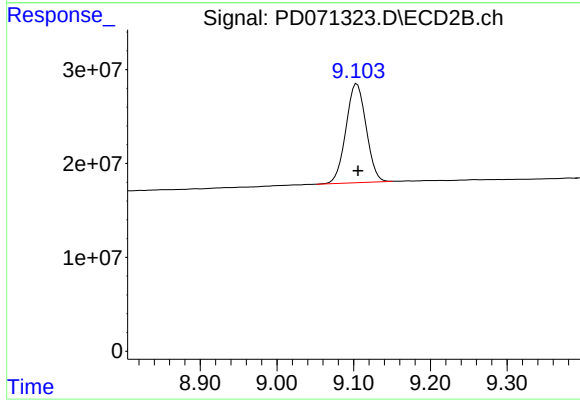
R.T.: 0.000 min  
Exp R.T. : 6.923 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.016 min  
Delta R.T.: -0.003 min  
Response: 47075174  
Conc: 16.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.104 min  
Delta R.T.: -0.002 min  
Response: 194089529  
Conc: 18.75 ng/ml