

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110119\  
 Data File : PD055766.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Oct 2019 16:20  
 Operator : SG\AJ  
 Sample : K5609-20  
 Misc :  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PT-CHLR-SOIL

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 01 04:04:43 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD110119.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 31 06:48:28 2019  
 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... | 3.290  | 3.962  | 15349000 | 21265205 | 18.005   | 17.657    |
| 28)                         | SA Decachlor... | 7.967  | 9.000  | 17902668 | 23501564 | 18.923   | 16.888    |
| Target Compounds            |                 |        |        |          |          |          |           |
| 2)                          | A alpha-BHC     | 3.718  | 4.358  | 329720   | 3478870  | 0.260    | 1.974 #   |
| 3)                          | MA gamma-BHC... | 0.000  | 4.652f | 0        | 915035   | N.D.     | 0.533 #   |
| 4)                          | MA Heptachlor   | 4.278  | 5.138  | 43914085 | 80247011 | 41.221   | 46.311    |
| 5)                          | MB Aldrin       | 4.531  | 5.416f | 2524740  | 54760270 | 2.307    | 32.716 #  |
| 6)                          | B beta-BHC      | 0.000  | 4.825f | 0        | 3458999  | N.D.     | 4.352 #   |
| 7)                          | B delta-BHC     | 4.433  | 0.000  | 3152527  | 0        | 2.738    | N.D. #    |
| 8)                          | B Heptachlo...  | 0.000  | 5.811  | 0        | 38499966 | N.D.     | 23.841 #  |
| 9)                          | A Endosulfan I  | 5.273  | 0.000  | 5575142  | 0        | 5.719    | N.D. #    |
| 10)                         | B gamma-Chl...  | 5.177  | 6.060  | 108.1E6  | 215.0E6  | 101.261  | 124.691   |
| 11)                         | B alpha-Chl...  | 5.233  | 6.133  | 98793476 | 254.4E6  | 93.607   | 148.105 # |
| 12)                         | B 4,4'-DDE      | 5.403  | 6.286  | 2498523  | 6889456  | 2.538    | 4.307 #   |
| 13)                         | MA Dieldrin     | 5.507f | 6.436  | 1743643  | 12974379 | 1.644    | 7.679 #   |
| 14)                         | MA Endrin       | 5.784  | 6.678f | 4838354  | 5734470  | 5.045    | 3.976     |
| 15)                         | B Endosulfa...  | 6.057  | 6.876  | 32062088 | 4246606  | 33.080   | 2.734 #   |
| 16)                         | A 4,4'-DDD      | 5.901  | 6.793f | -3545741 | 10534849 | N.D.     | 7.709     |
| 17)                         | MA 4,4'-DDT     | 6.150  | 7.080  | 491133   | 7668439  | 0.686    | 5.746 #   |
| 18)                         | B Endrin al...  | 6.246f | 6.978  | 4423774  | 5854208  | 5.294    | 4.366     |
| 19)                         | B Endosulfa...  | 6.435  | 7.209  | 2317088  | 3967170  | 2.587    | 2.727     |
| 20)                         | A Methoxychlor  | 6.691  | 0.000  | 252470   | 0        | 0.644    | N.D. #    |
| 21)                         | B Endrin ke...  | 0.000  | 7.677  | 0        | 4017330  | N.D.     | 2.422 #   |
| 23)                         | Chlordane-1     | 4.131  | 4.951  | 32031129 | 52848708 | 1235.119 | 1138.831  |
| 24)                         | Chlordane-2     | 4.621  | 5.416  | 35904519 | 54760270 | 1128.994 | 1042.461  |
| 25)                         | Chlordane-3     | 5.177  | 6.060  | 108.1E6  | 215.0E6  | 1123.642 | 981.694   |
| 26)                         | Chlordane-4     | 5.233  | 6.133  | 98793476 | 254.4E6  | 1174.750 | 967.260   |
| 27)                         | Chlordane-5     | 6.057  | 6.935  | 32062088 | 53905127 | 1055.938 | 1156.282  |
| -----                       |                 |        |        |          |          |          |           |

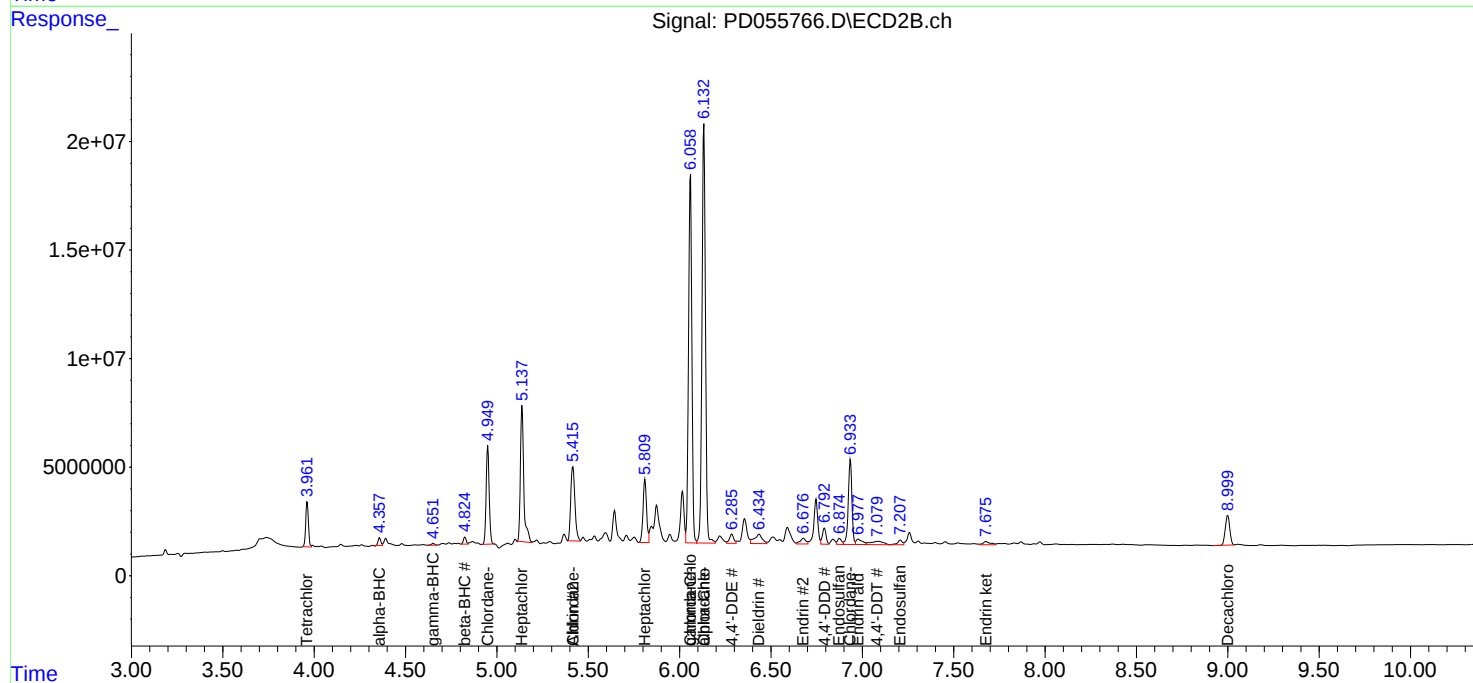
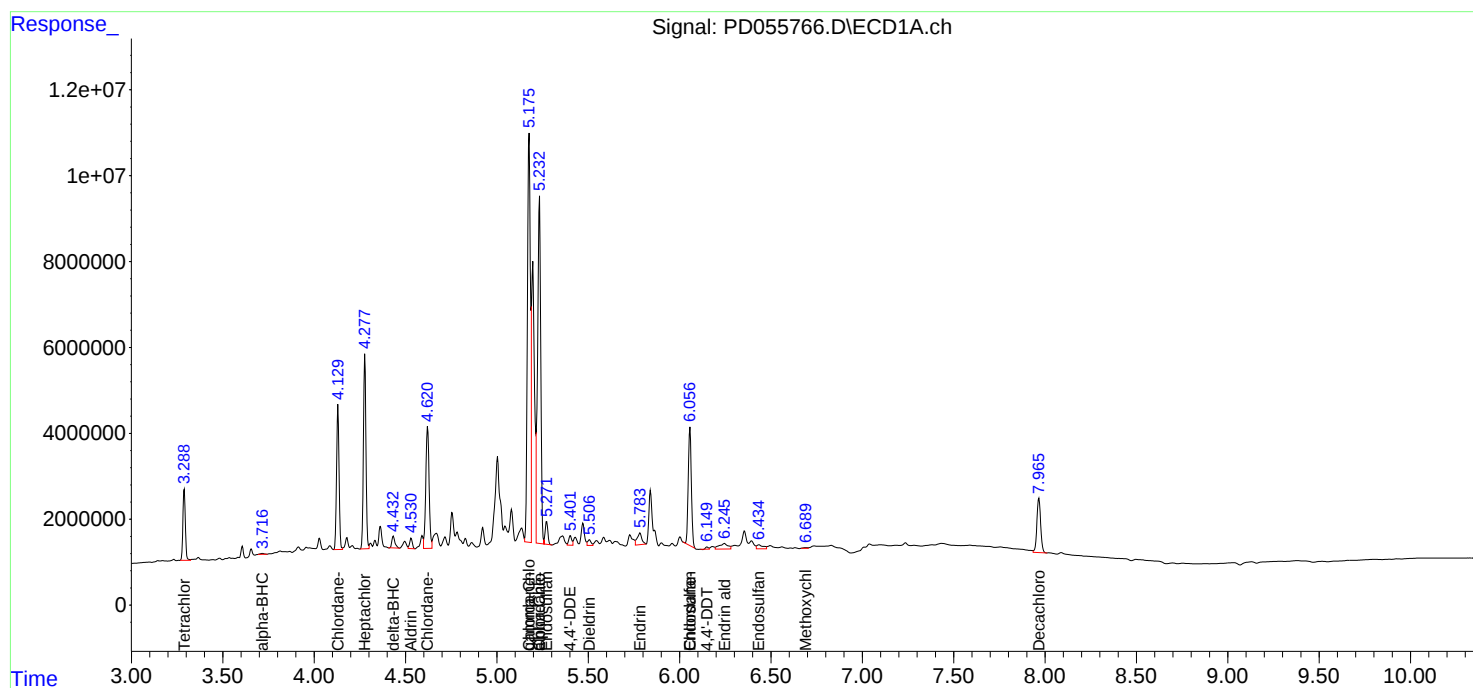
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

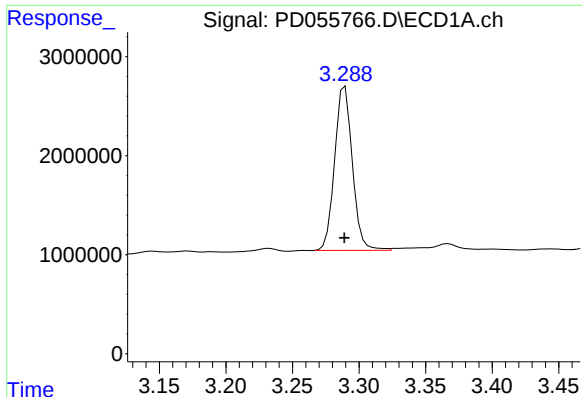
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD110119\  
Data File : PD055766.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 31 Oct 2019 16:20  
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Sample : K5609-20  
Misc :  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 01 04:04:43 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD110119.M  
Quant Title : GC Extractables  
QLast Update : Thu Oct 31 06:48:28 2019  
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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

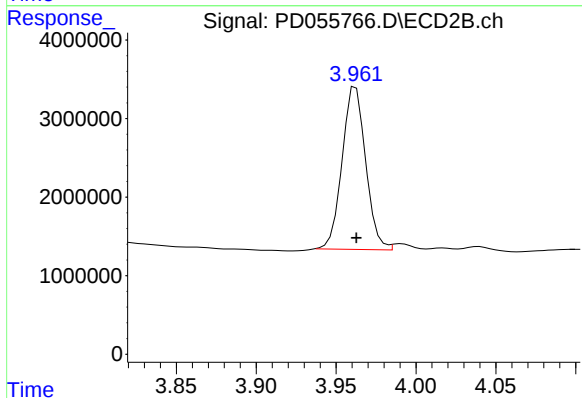




#1 Tetrachloro-m-xylene

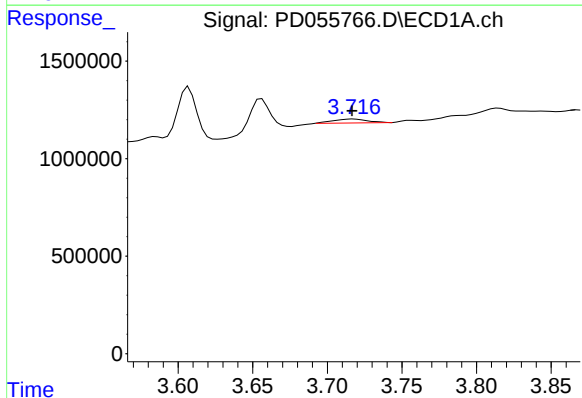
R.T.: 3.290 min  
Delta R.T.: 0.000 min  
Response: 15349000  
Conc: 18.00 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



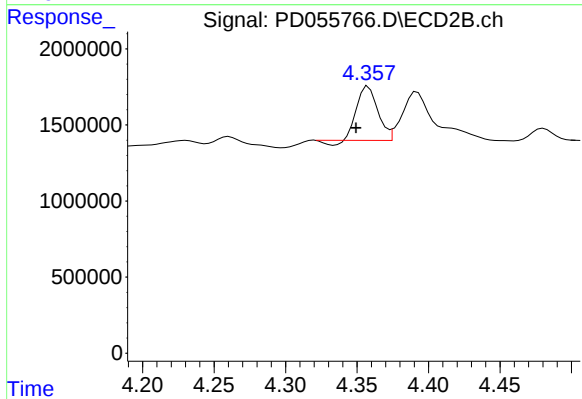
#1 Tetrachloro-m-xylene

R.T.: 3.962 min  
Delta R.T.: 0.000 min  
Response: 21265205  
Conc: 17.66 ng/ml



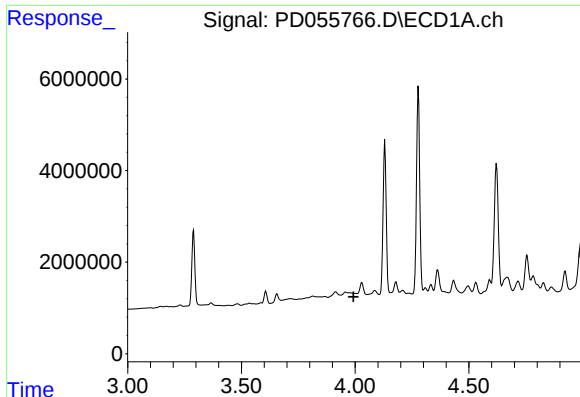
#2 alpha-BHC

R.T.: 3.718 min  
Delta R.T.: 0.001 min  
Response: 329720  
Conc: 0.26 ng/ml



#2 alpha-BHC

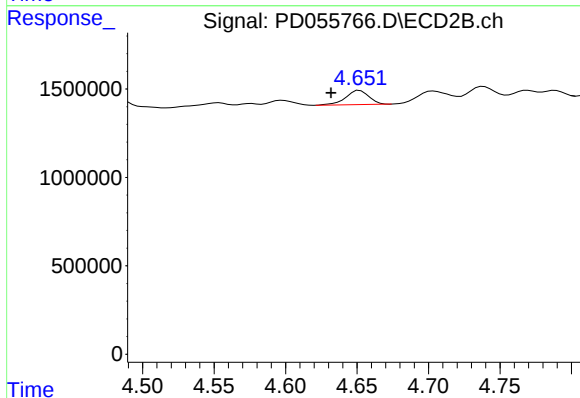
R.T.: 4.358 min  
Delta R.T.: 0.009 min  
Response: 3478870  
Conc: 1.97 ng/ml



#3 gamma-BHC (Lindane)

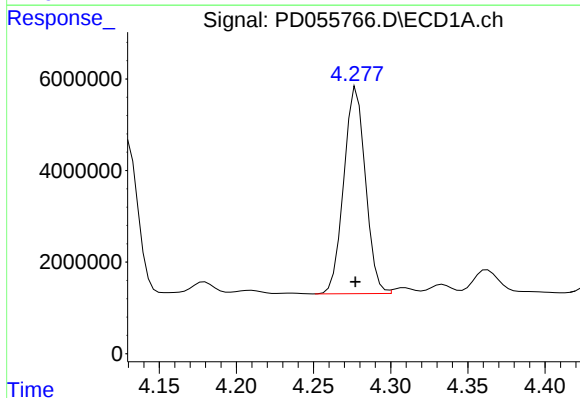
R.T.: 0.000 min  
Exp R.T.: 3.991 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



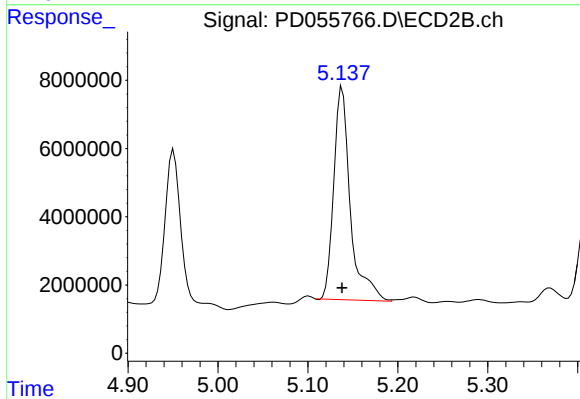
#3 gamma-BHC (Lindane)

R.T.: 4.652 min  
Delta R.T.: 0.020 min  
Response: 915035  
Conc: 0.53 ng/ml



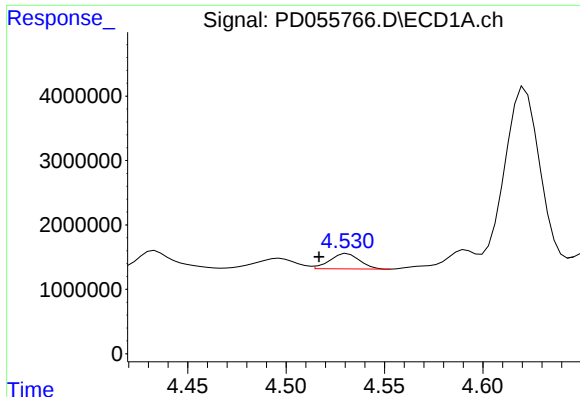
#4 Heptachlor

R.T.: 4.278 min  
Delta R.T.: 0.000 min  
Response: 43914085  
Conc: 41.22 ng/ml



#4 Heptachlor

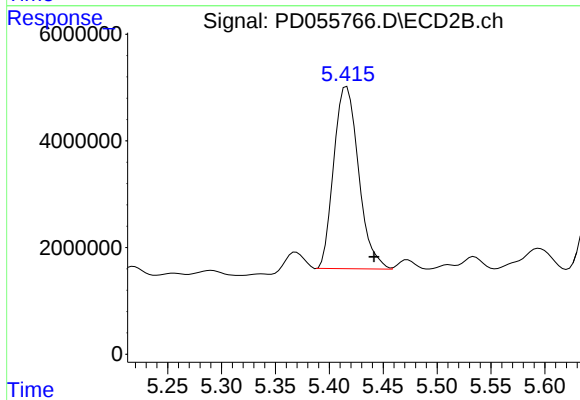
R.T.: 5.138 min  
Delta R.T.: 0.000 min  
Response: 80247011  
Conc: 46.31 ng/ml



#5 Aldrin

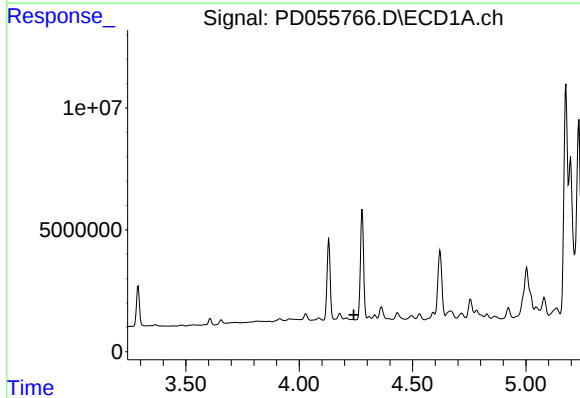
R.T.: 4.531 min  
Delta R.T.: 0.014 min  
Response: 2524740  
Conc: 2.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



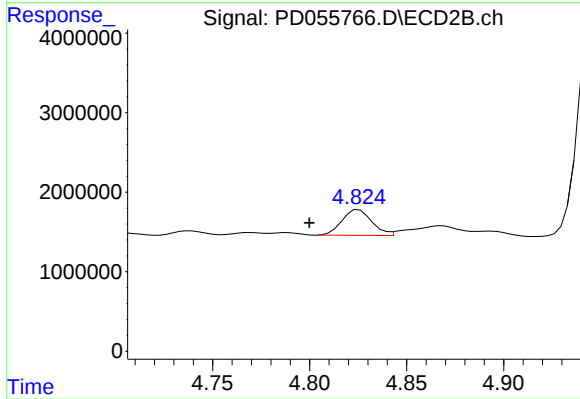
#5 Aldrin

R.T.: 5.416 min  
Delta R.T.: -0.025 min  
Response: 54760270  
Conc: 32.72 ng/ml



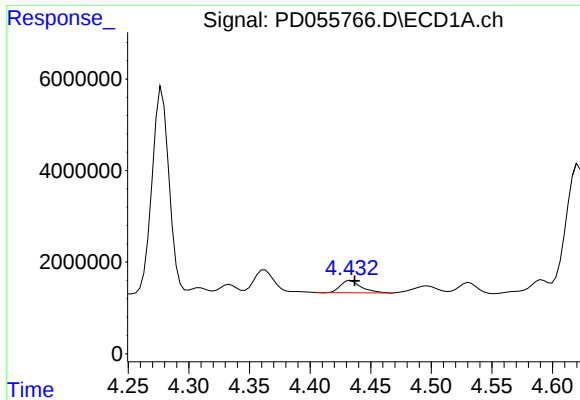
#6 beta-BHC

R.T.: 0.000 min  
Exp R.T. : 4.241 min  
Response: 0  
Conc: N.D.



#6 beta-BHC

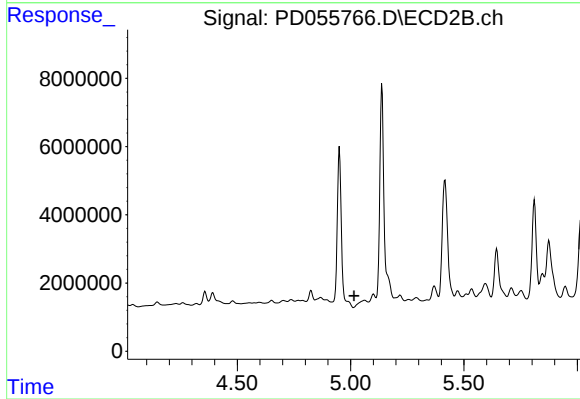
R.T.: 4.825 min  
Delta R.T.: 0.026 min  
Response: 3458999  
Conc: 4.35 ng/ml



#7 delta-BHC

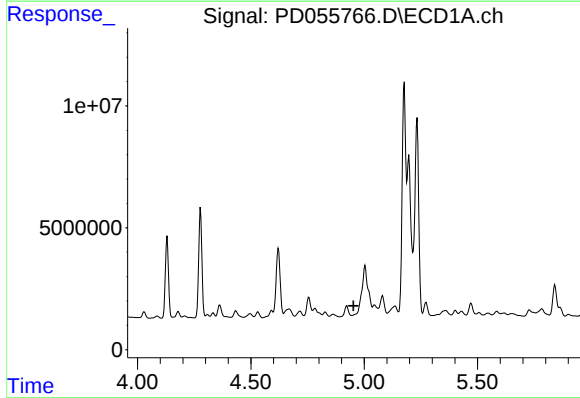
R.T.: 4.433 min  
Delta R.T.: -0.003 min  
Response: 3152527  
Conc: 2.74 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



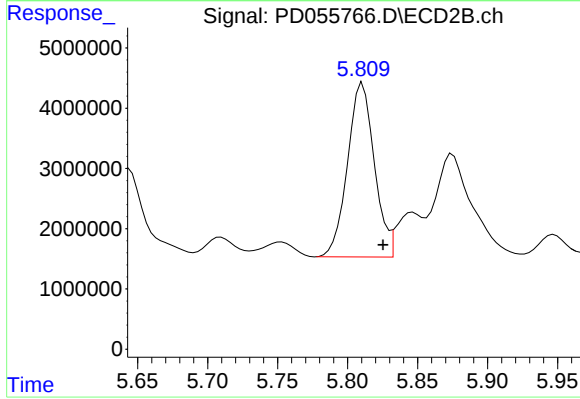
#7 delta-BHC

R.T.: 0.000 min  
Exp R.T. : 5.016 min  
Response: 0  
Conc: N.D.



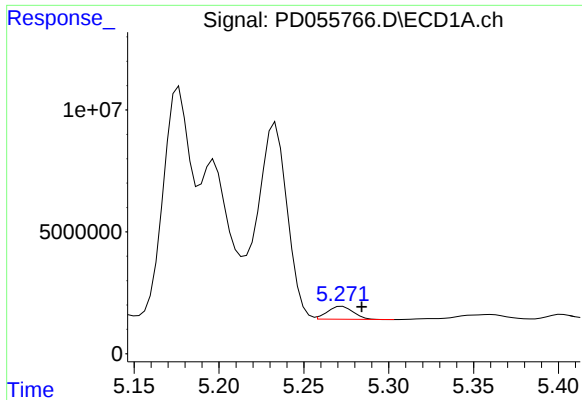
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 4.953 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

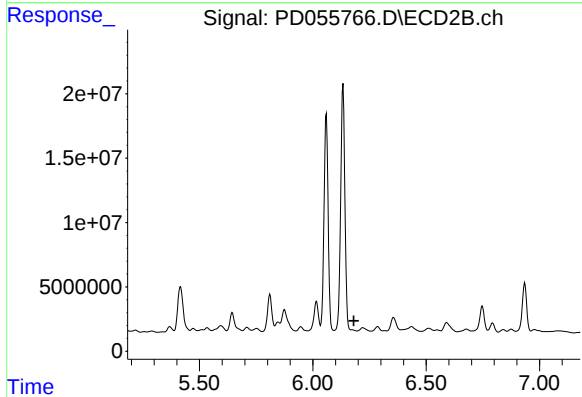
R.T.: 5.811 min  
Delta R.T.: -0.014 min  
Response: 38499966  
Conc: 23.84 ng/ml



#9 Endosulfan I

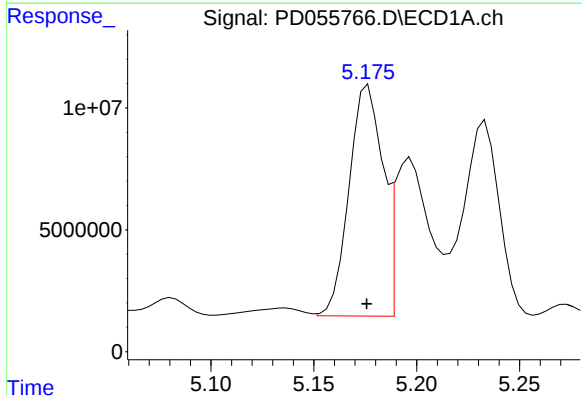
R.T.: 5.273 min  
Delta R.T.: -0.012 min  
Response: 5575142  
Conc: 5.72 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



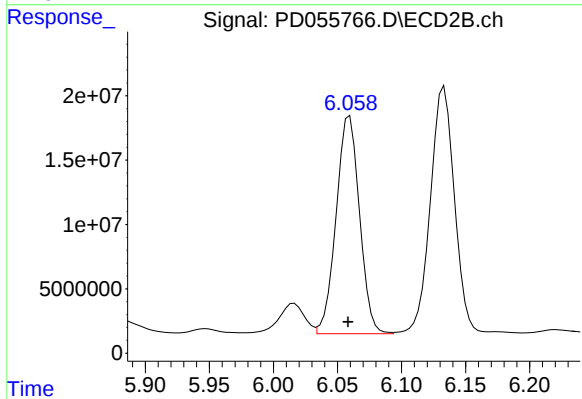
#9 Endosulfan I

R.T.: 0.000 min  
Exp R.T. : 6.181 min  
Response: 0  
Conc: N.D.



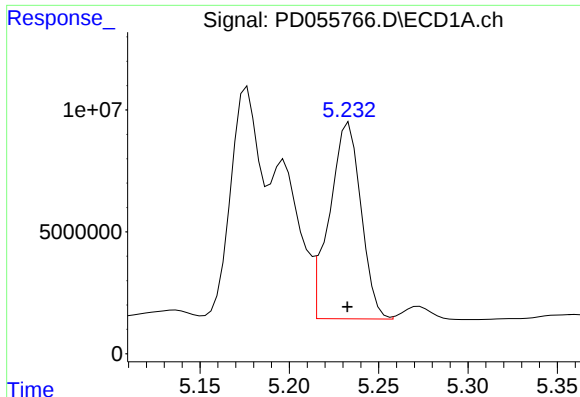
#10 gamma-Chlordane

R.T.: 5.177 min  
Delta R.T.: 0.000 min  
Response: 108056466  
Conc: 101.26 ng/ml



#10 gamma-Chlordane

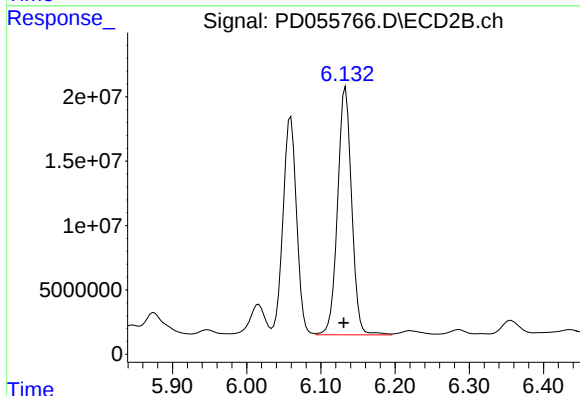
R.T.: 6.060 min  
Delta R.T.: 0.001 min  
Response: 214971313  
Conc: 124.69 ng/ml



#11 alpha-Chlordane

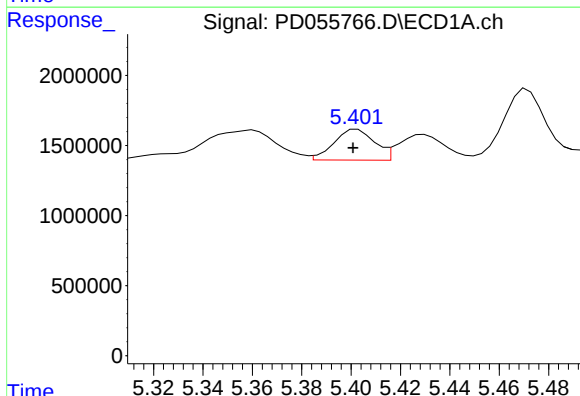
R.T.: 5.233 min  
Delta R.T.: 0.000 min  
Response: 98793476  
Conc: 93.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



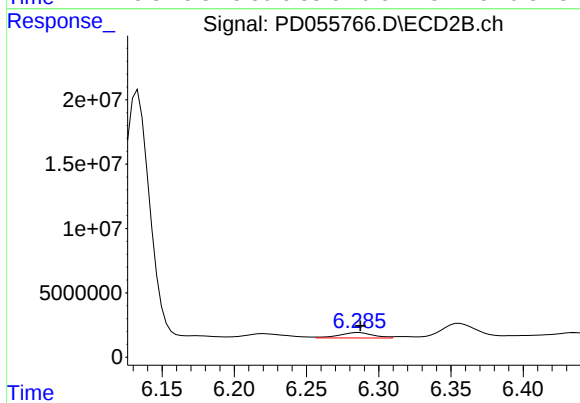
#11 alpha-Chlordane

R.T.: 6.133 min  
Delta R.T.: 0.003 min  
Response: 254436688  
Conc: 148.11 ng/ml



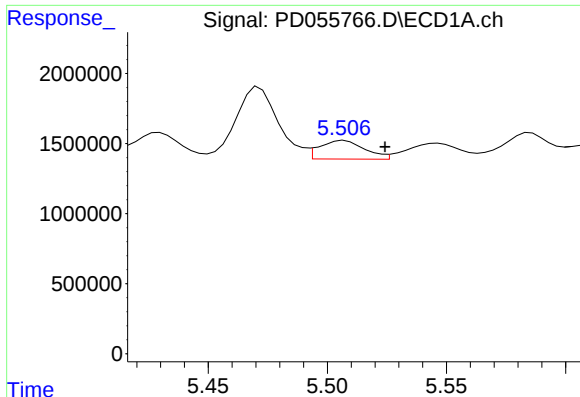
#12 4,4'-DDE

R.T.: 5.403 min  
Delta R.T.: 0.002 min  
Response: 2498523  
Conc: 2.54 ng/ml



#12 4,4'-DDE

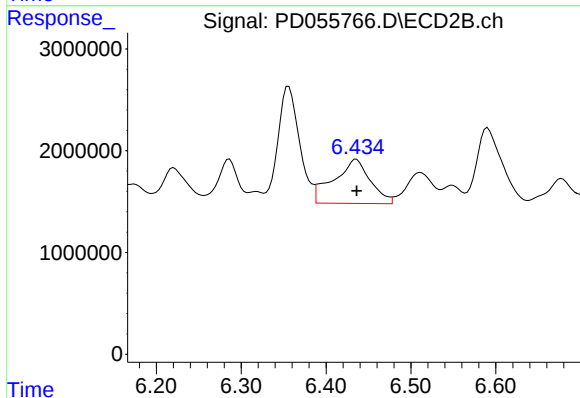
R.T.: 6.286 min  
Delta R.T.: -0.001 min  
Response: 6889456  
Conc: 4.31 ng/ml



#13 Dieldrin

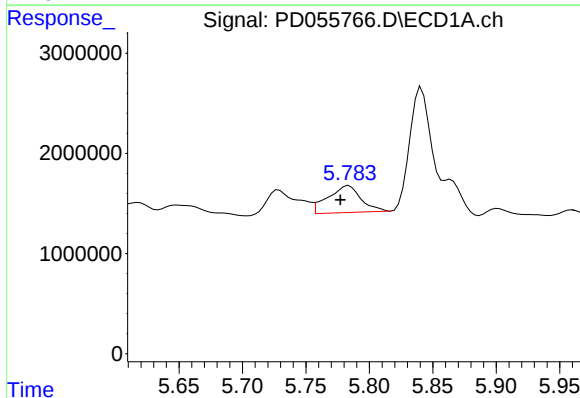
R.T.: 5.507 min  
Delta R.T.: -0.017 min  
Response: 1743643  
Conc: 1.64 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



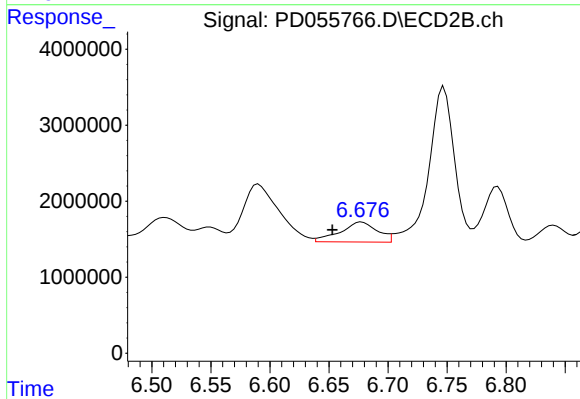
#13 Dieldrin

R.T.: 6.436 min  
Delta R.T.: 0.000 min  
Response: 12974379  
Conc: 7.68 ng/ml



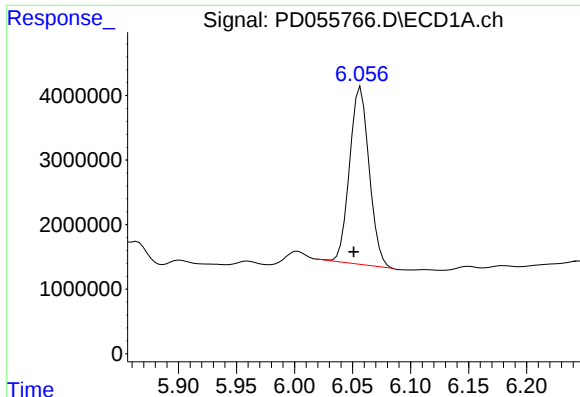
#14 Endrin

R.T.: 5.784 min  
Delta R.T.: 0.007 min  
Response: 4838354  
Conc: 5.05 ng/ml



#14 Endrin

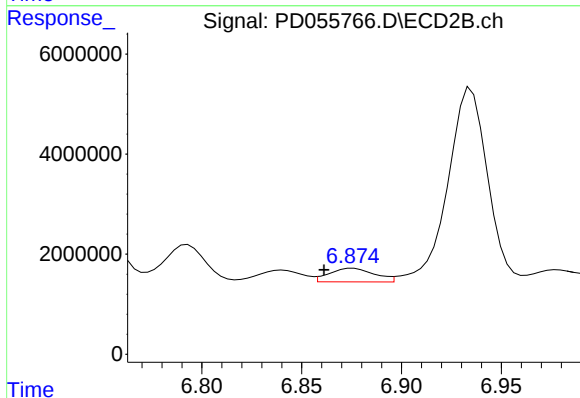
R.T.: 6.678 min  
Delta R.T.: 0.025 min  
Response: 5734470  
Conc: 3.98 ng/ml



#15 Endosulfan II

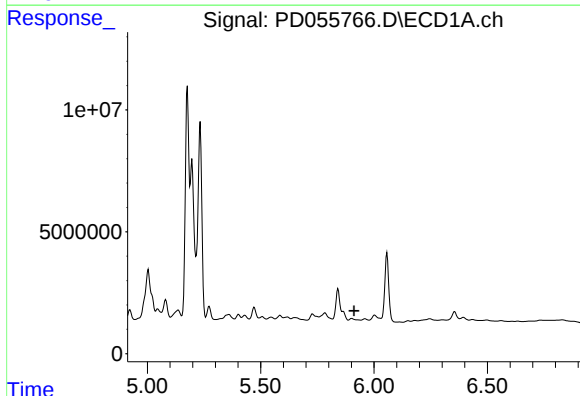
R.T.: 6.057 min  
Delta R.T.: 0.006 min  
Response: 32062088  
Conc: 33.08 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



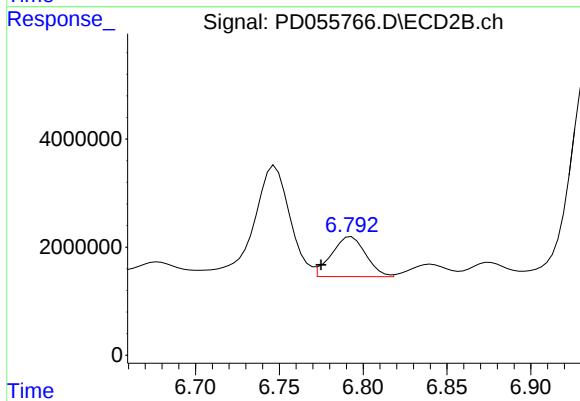
#15 Endosulfan II

R.T.: 6.876 min  
Delta R.T.: 0.014 min  
Response: 4246606  
Conc: 2.73 ng/ml



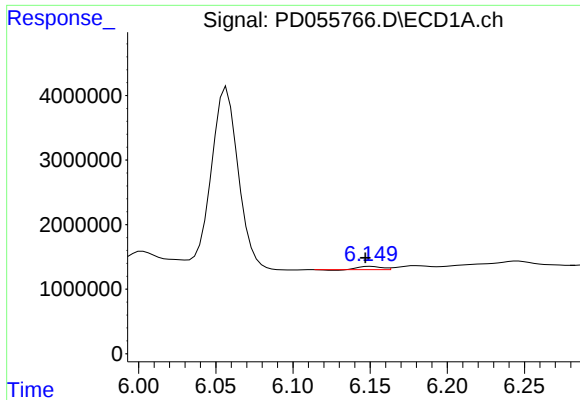
#16 4,4'-DDD

R.T.: 5.901 min  
Delta R.T.: -0.010 min  
Response: -3545741  
Conc: N.D.



#16 4,4'-DDD

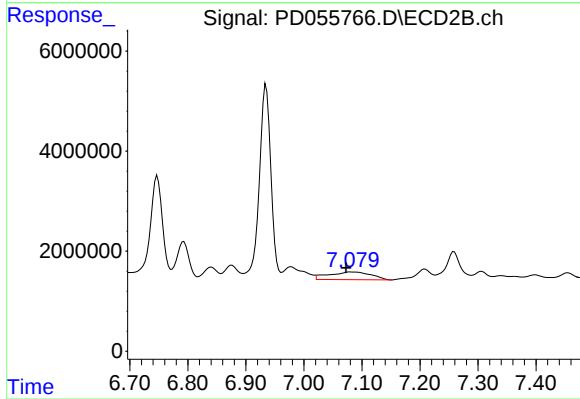
R.T.: 6.793 min  
Delta R.T.: 0.018 min  
Response: 10534849  
Conc: 7.71 ng/ml



#17 4,4'-DDT

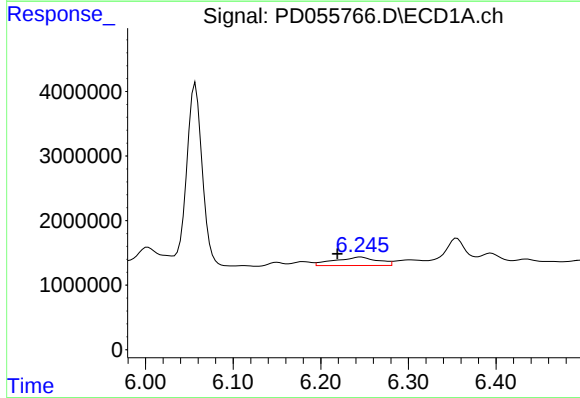
R.T.: 6.150 min  
Delta R.T.: 0.003 min  
Response: 491133  
Conc: 0.69 ng/ml

Instrument :  
ECD\_D  
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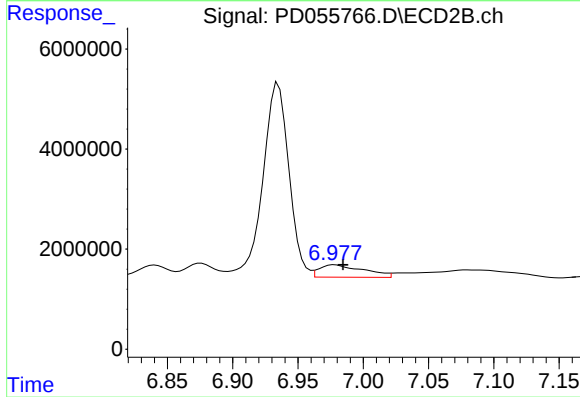
#17 4,4'-DDT

R.T.: 7.080 min  
Delta R.T.: 0.008 min  
Response: 7668439  
Conc: 5.75 ng/ml



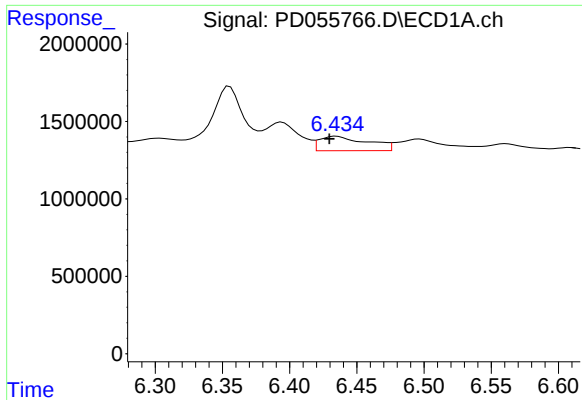
#18 Endrin aldehyde

R.T.: 6.246 min  
Delta R.T.: 0.027 min  
Response: 4423774  
Conc: 5.29 ng/ml



#18 Endrin aldehyde

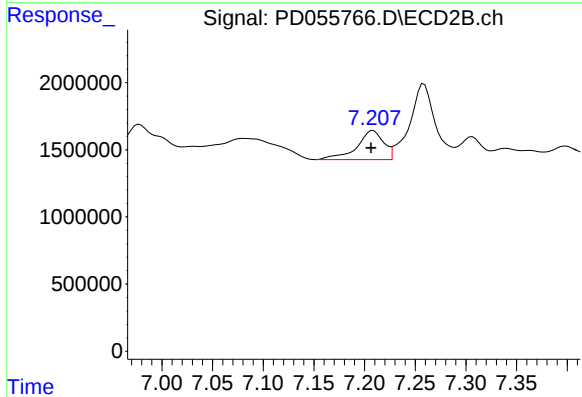
R.T.: 6.978 min  
Delta R.T.: -0.007 min  
Response: 5854208  
Conc: 4.37 ng/ml



#19 Endosulfan Sulfate

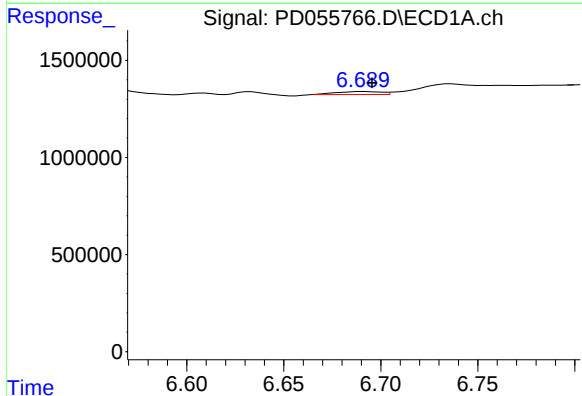
R.T.: 6.435 min  
Delta R.T.: 0.005 min  
Response: 2317088  
Conc: 2.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



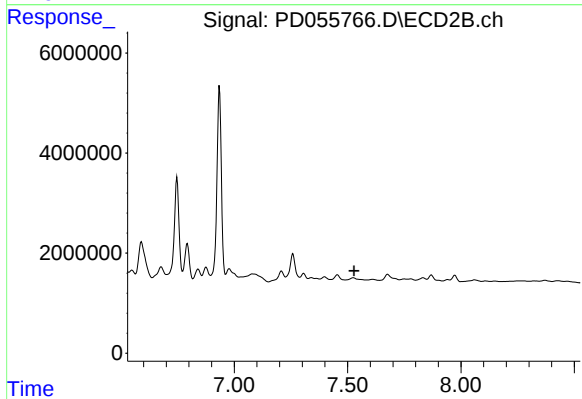
#19 Endosulfan Sulfate

R.T.: 7.209 min  
Delta R.T.: 0.002 min  
Response: 3967170  
Conc: 2.73 ng/ml



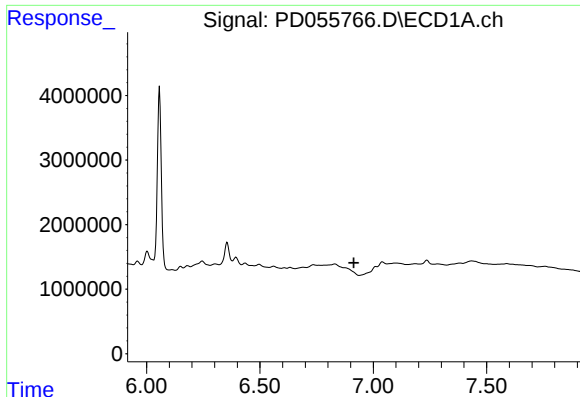
#20 Methoxychlor

R.T.: 6.691 min  
Delta R.T.: -0.004 min  
Response: 252470  
Conc: 0.64 ng/ml



#20 Methoxychlor

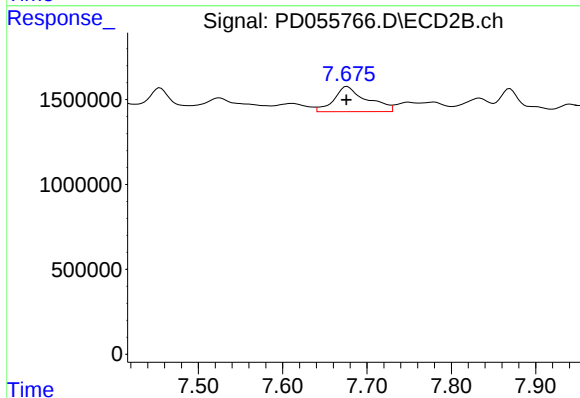
R.T.: 0.000 min  
Exp R.T. : 7.529 min  
Response: 0  
Conc: N.D.



#21 Endrin ketone

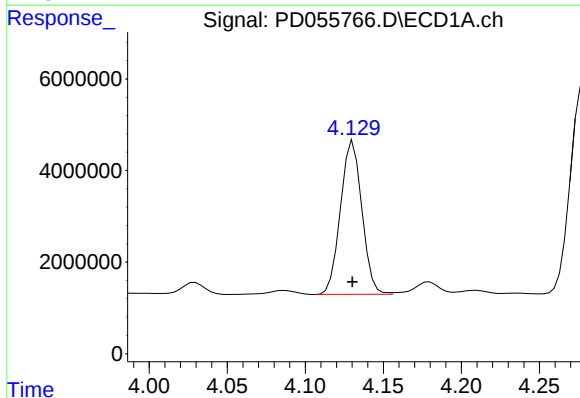
R.T.: 0.000 min  
Exp R.T.: 6.914 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



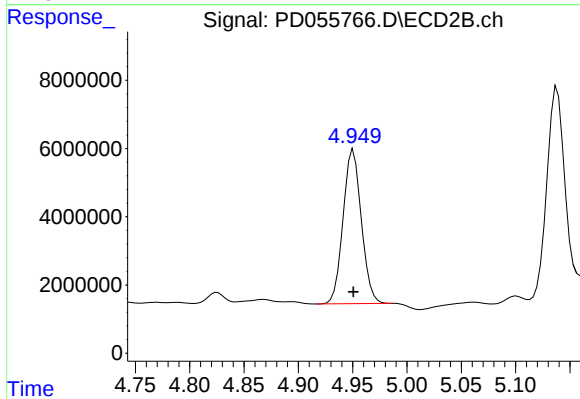
#21 Endrin ketone

R.T.: 7.677 min  
Delta R.T.: 0.001 min  
Response: 4017330  
Conc: 2.42 ng/ml



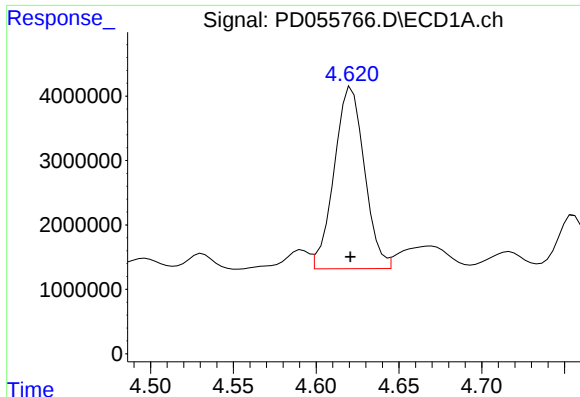
#23 Chlordane-1

R.T.: 4.131 min  
Delta R.T.: 0.000 min  
Response: 32031129  
Conc: 1235.12 ng/ml



#23 Chlordane-1

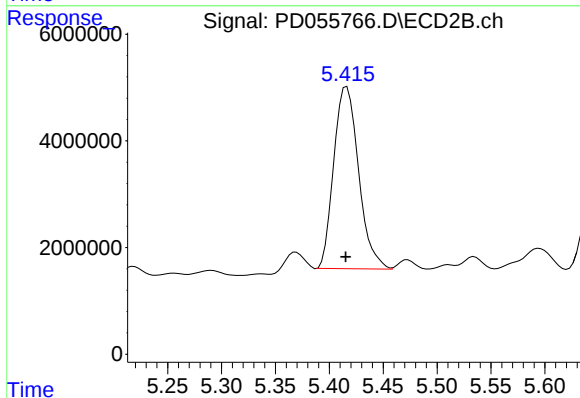
R.T.: 4.951 min  
Delta R.T.: 0.000 min  
Response: 52848708  
Conc: 1138.83 ng/ml



#24 Chlordane-2

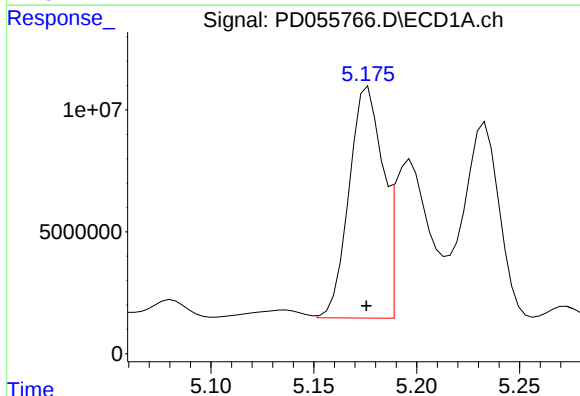
R.T.: 4.621 min  
Delta R.T.: 0.000 min  
Response: 35904519  
Conc: 1128.99 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



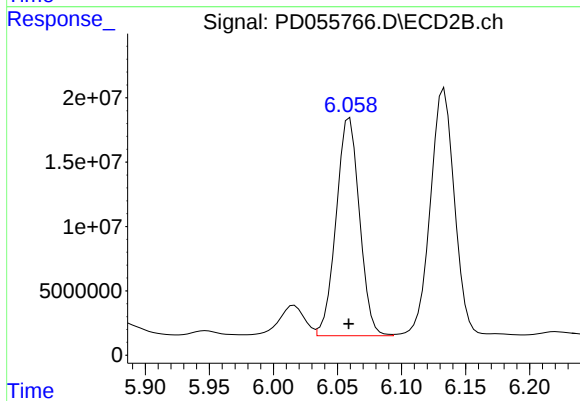
#24 Chlordane-2

R.T.: 5.416 min  
Delta R.T.: 0.000 min  
Response: 54760270  
Conc: 1042.46 ng/ml



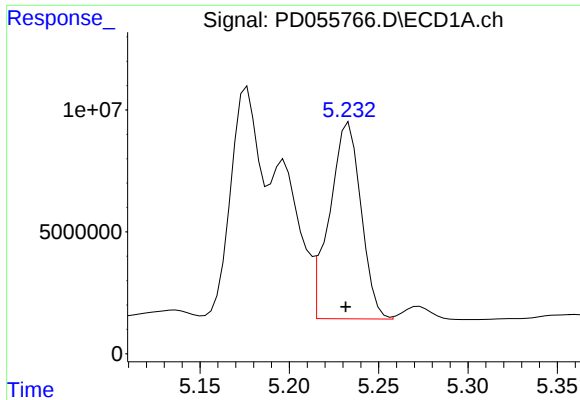
#25 Chlordane-3

R.T.: 5.177 min  
Delta R.T.: 0.000 min  
Response: 108056466  
Conc: 1123.64 ng/ml



#25 Chlordane-3

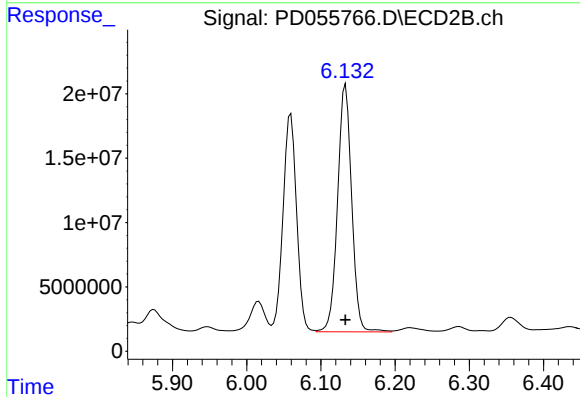
R.T.: 6.060 min  
Delta R.T.: 0.000 min  
Response: 214971313  
Conc: 981.69 ng/ml



#26 Chlordane-4

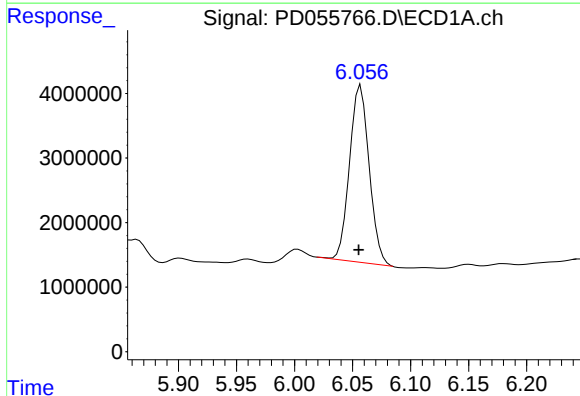
R.T.: 5.233 min  
Delta R.T.: 0.002 min  
Response: 98793476  
Conc: 1174.75 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



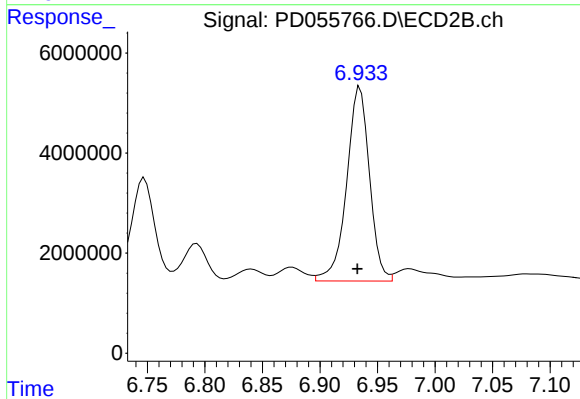
#26 Chlordane-4

R.T.: 6.133 min  
Delta R.T.: 0.000 min  
Response: 254436688  
Conc: 967.26 ng/ml



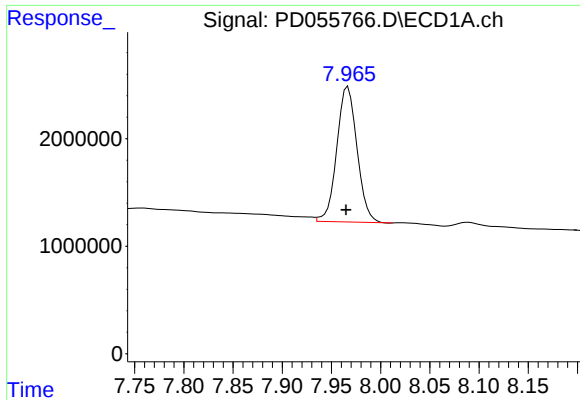
#27 Chlordane-5

R.T.: 6.057 min  
Delta R.T.: 0.002 min  
Response: 32062088  
Conc: 1055.94 ng/ml



#27 Chlordane-5

R.T.: 6.935 min  
Delta R.T.: 0.002 min  
Response: 53905127  
Conc: 1156.28 ng/ml



#28 Decachlorobiphenyl

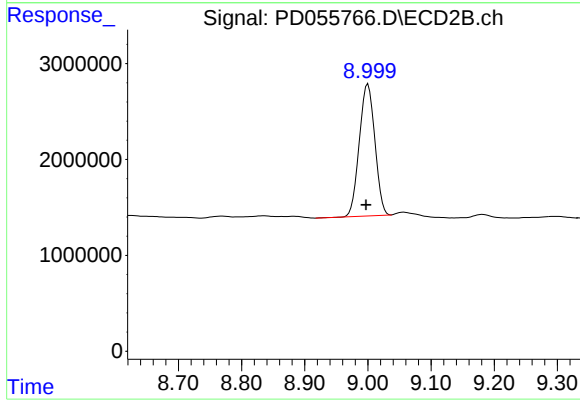
R.T.: 7.967 min

Delta R.T.: 0.002 min

Response: 17902668

Conc: 18.92 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PT-CHLR-SOIL



#28 Decachlorobiphenyl

R.T.: 9.000 min

Delta R.T.: 0.003 min

Response: 23501564

Conc: 16.89 ng/ml