

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD012020\  
 Data File : PD056997.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Jan 2020 10:46  
 Operator : AJ\MA  
 Sample : L1161-08  
 Misc : LOQ 5 PPB  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOQ-WATER-02-QT1-2020

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 21 04:09:21 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD011820.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jan 20 05:43:46 2020  
 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... | 3.285 | 3.960  | 15819633 | 31161991 | 19.156  | 19.044    |
| 28)                         | SA Decachlor... | 7.956 | 8.995  | 18796908 | 31906542 | 19.395  | 19.143    |
| Target Compounds            |                 |       |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.712 | 4.346  | 5439175  | 9786242  | 4.164   | 3.868     |
| 3)                          | MA gamma-BHC... | 3.986 | 4.628  | 6770025  | 9510698  | 5.076   | 3.893     |
| 4)                          | MA Heptachlor   | 4.271 | 5.134  | 4935239  | 10363181 | 4.230   | 4.332     |
| 5)                          | MB Aldrin       | 4.510 | 5.437  | 4996229  | 9916529  | 4.298   | 4.375     |
| 6)                          | B beta-BHC      | 4.237 | 4.798  | 2158801  | 4711358  | 4.179   | 4.478     |
| 7)                          | B delta-BHC     | 4.432 | 5.013  | 4781771  | 6840354  | 3.838   | 3.058     |
| 8)                          | B Heptachlo...  | 4.947 | 5.822  | 4927362  | 8912269  | 4.589   | 4.104     |
| 9)                          | A Endosulfan I  | 5.277 | 6.177  | 4632734  | 9292490  | 4.714   | 4.581     |
| 10)                         | B gamma-Chl...  | 5.169 | 6.055  | 5124891  | 10957866 | 4.718   | 4.922     |
| 11)                         | B alpha-Chl...  | 5.226 | 6.128  | 5027956  | 10473906 | 4.645   | 4.705     |
| 12)                         | B 4,4'-DDE      | 5.394 | 6.285  | 4563984  | 8321255  | 4.833   | 4.166     |
| 13)                         | MA Dieldrin     | 5.517 | 6.433  | 4659644  | 9212756  | 4.375   | 4.301     |
| 14)                         | MA Endrin       | 5.770 | 6.650  | 4188646  | 7533809  | 4.711   | 4.378     |
| 15)                         | B Endosulfa...  | 6.044 | 6.858  | 4952998  | 9043397  | 5.108   | 4.739     |
| 16)                         | A 4,4'-DDD      | 5.905 | 6.773  | 4130040  | 7340431  | 4.926   | 4.363     |
| 17)                         | MA 4,4'-DDT     | 6.141 | 7.071  | 2296192  | 6614602  | 3.189   | 4.295 #   |
| 18)                         | B Endrin al...  | 6.213 | 6.981  | 5178067  | 8380813  | 6.124   | 5.080     |
| 19)                         | B Endosulfa...  | 6.423 | 7.205  | 4207731  | 7960466  | 4.592   | 4.347     |
| 20)                         | A Methoxychlor  | 6.689 | 7.527  | 1930867  | 3707936  | 4.922   | 4.202     |
| 21)                         | B Endrin ke...  | 6.907 | 7.673  | 4512418  | 9186523  | 4.106   | 4.470     |
| 22)                         | Mirex           | 7.081 | 8.126  | 4552700  | 11841498 | 5.417   | 8.085 #   |
| 24)                         | Chlordane-2     | 0.000 | 5.437f | 0        | 9916529  | N.D.    | 144.565 # |
| 25)                         | Chlordane-3     | 5.169 | 6.055  | 5124891  | 10957866 | 52.335  | 38.837 #  |
| 26)                         | Chlordane-4     | 5.226 | 6.128  | 5027956  | 10473906 | 57.817  | 31.017 #  |
| 27)                         | Chlordane-5     | 6.044 | 0.000  | 4952998  | 0        | 143.155 | N.D. #    |
| -----                       |                 |       |        |          |          |         |           |

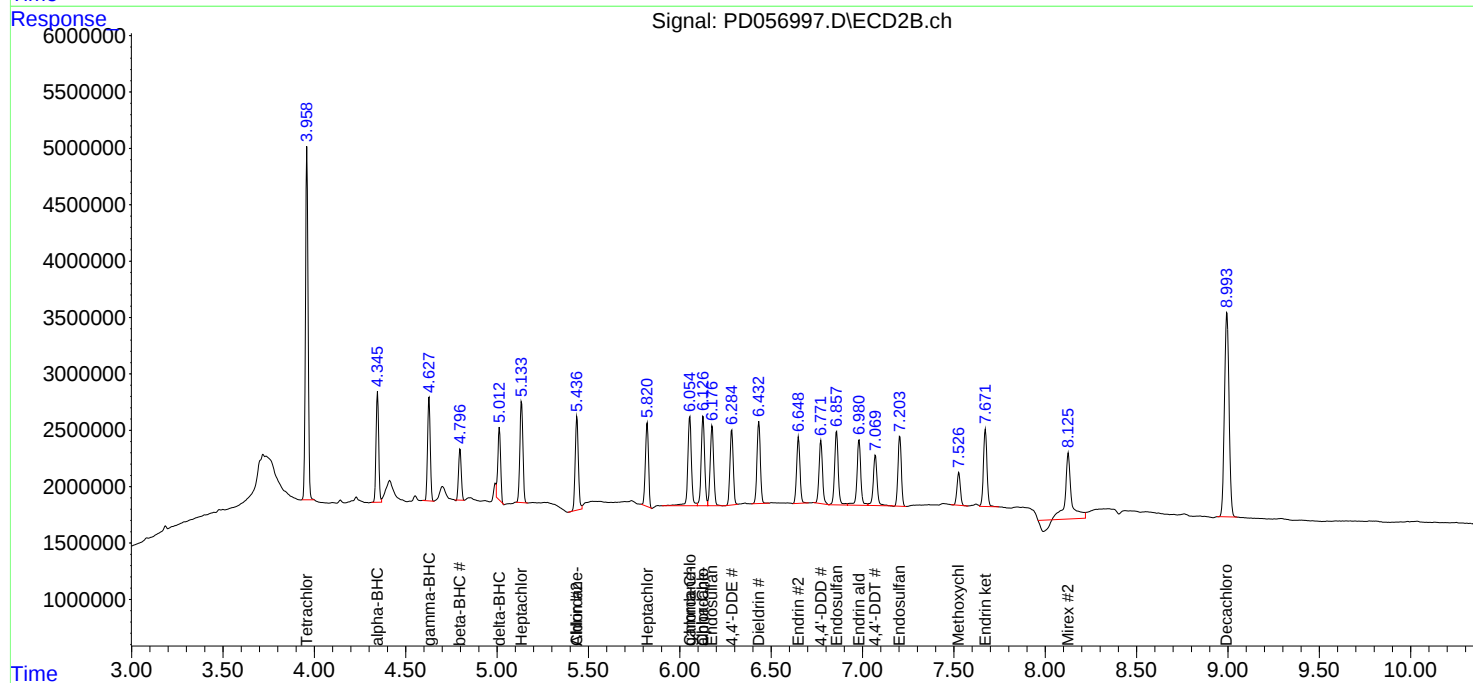
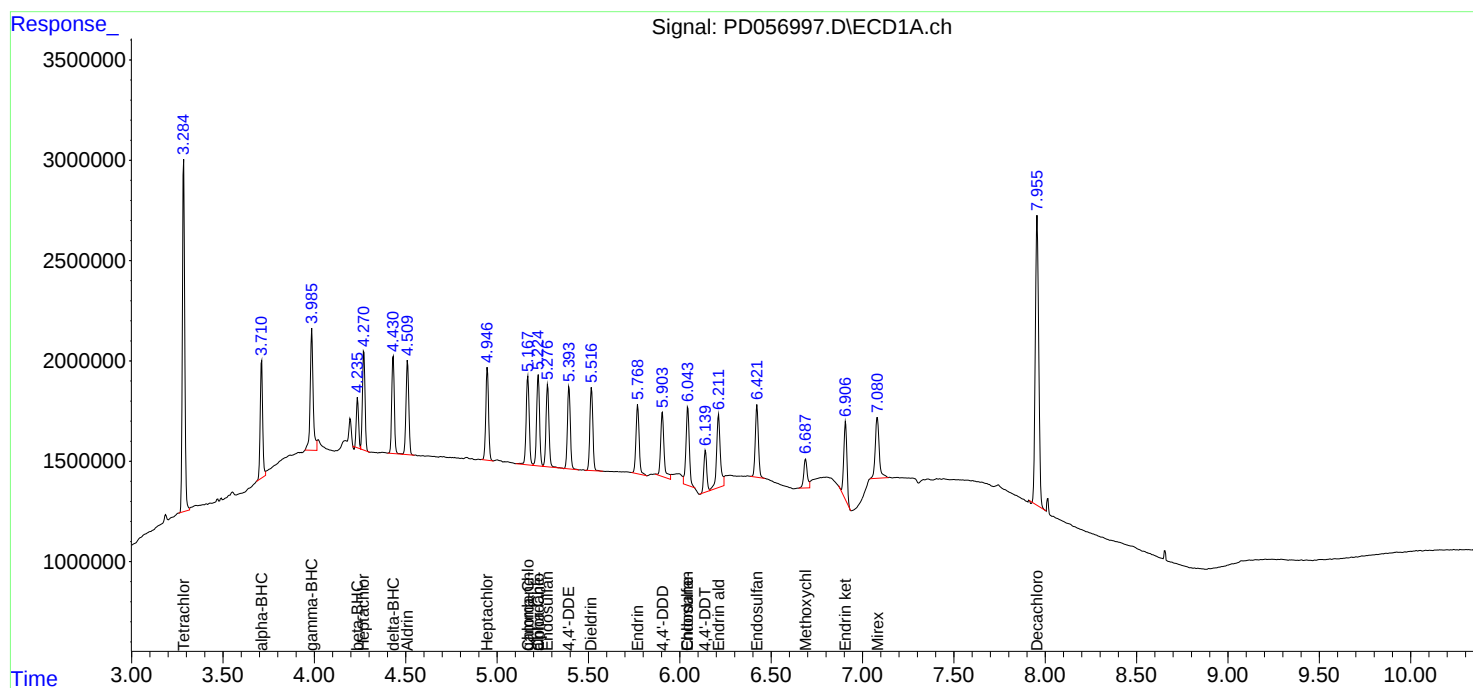
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

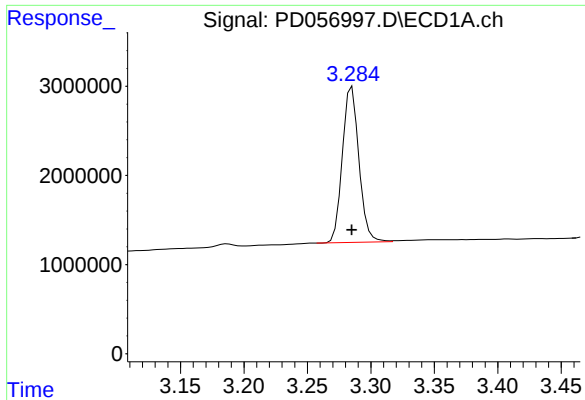
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD012020\  
Data File : PD056997.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Jan 2020 10:46  
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Sample : L1161-08  
Misc : LOQ 5 PPB  
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ECD\_D  
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LOQ-WATER-02-QT1-2020

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 21 04:09:21 2020  
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QLast Update : Mon Jan 20 05:43:46 2020  
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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

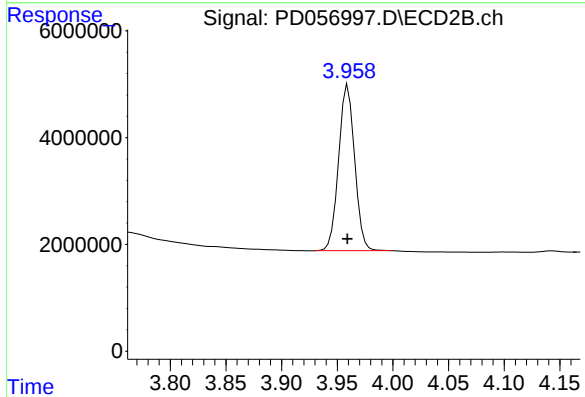




#1 Tetrachloro-m-xylene

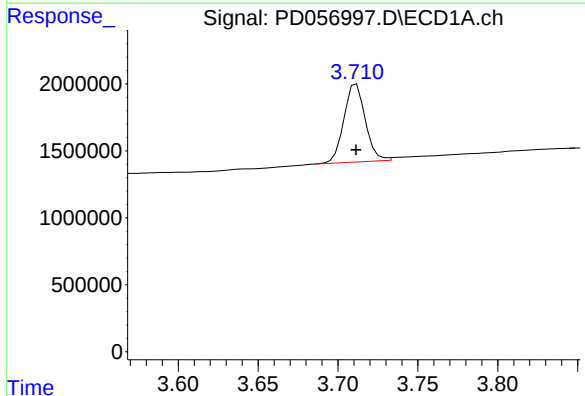
R.T.: 3.285 min  
Delta R.T.: 0.000 min  
Response: 15819633  
Conc: 19.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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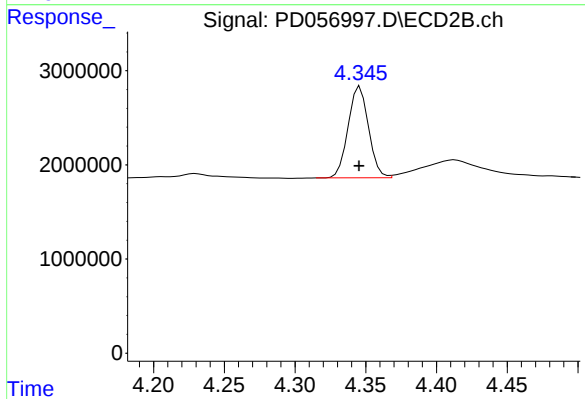
#1 Tetrachloro-m-xylene

R.T.: 3.960 min  
Delta R.T.: 0.000 min  
Response: 31161991  
Conc: 19.04 ng/ml



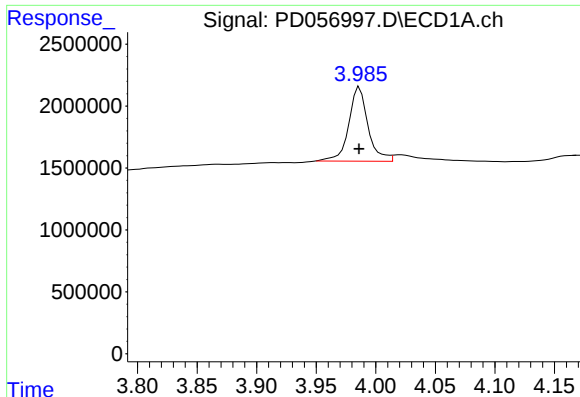
#2 alpha-BHC

R.T.: 3.712 min  
Delta R.T.: 0.000 min  
Response: 5439175  
Conc: 4.16 ng/ml



#2 alpha-BHC

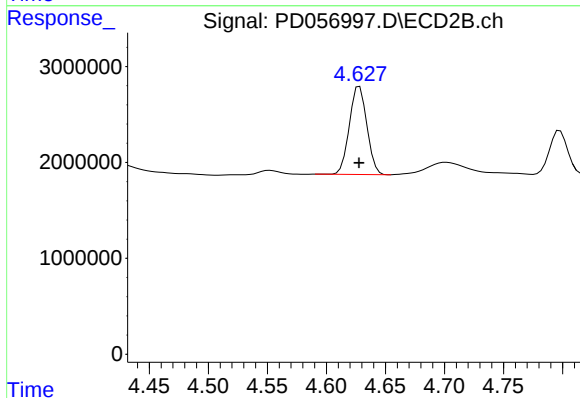
R.T.: 4.346 min  
Delta R.T.: 0.000 min  
Response: 9786242  
Conc: 3.87 ng/ml



#3 gamma-BHC (Lindane)

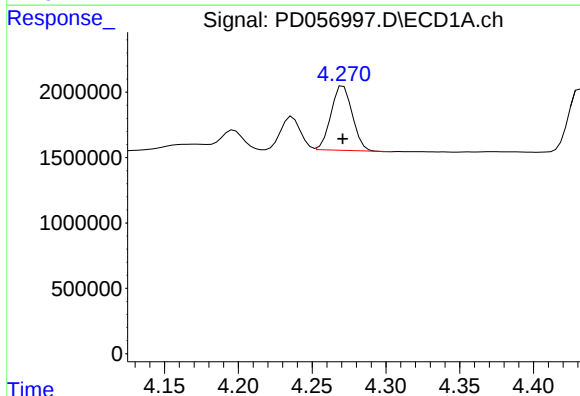
R.T.: 3.986 min  
Delta R.T.: 0.000 min  
Response: 6770025  
Conc: 5.08 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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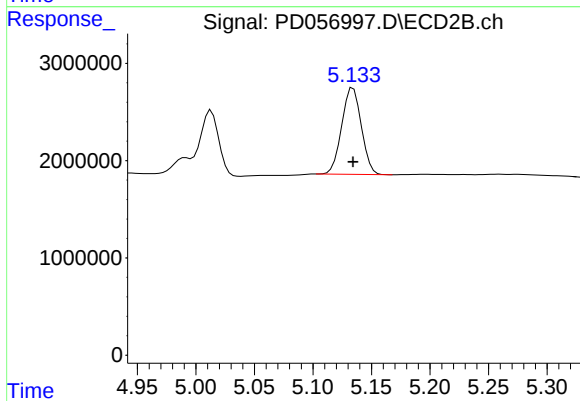
#3 gamma-BHC (Lindane)

R.T.: 4.628 min  
Delta R.T.: 0.000 min  
Response: 9510698  
Conc: 3.89 ng/ml



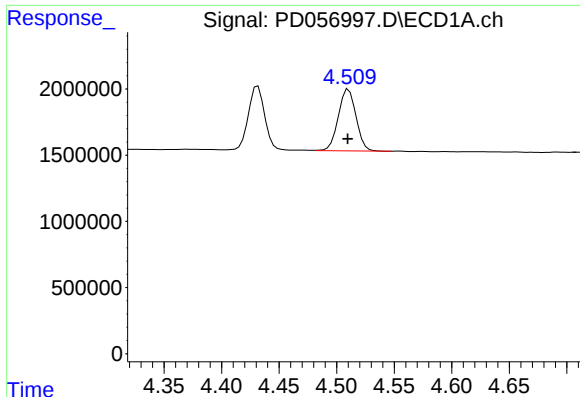
#4 Heptachlor

R.T.: 4.271 min  
Delta R.T.: 0.000 min  
Response: 4935239  
Conc: 4.23 ng/ml



#4 Heptachlor

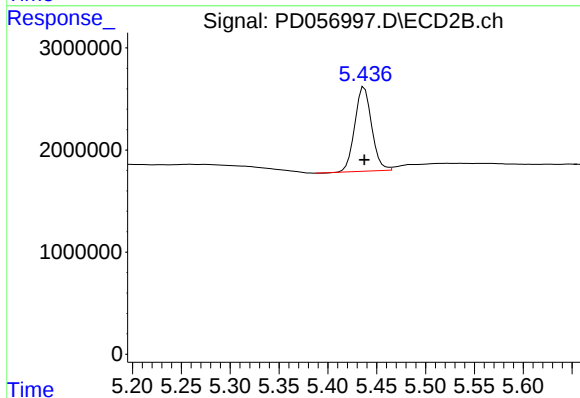
R.T.: 5.134 min  
Delta R.T.: 0.000 min  
Response: 10363181  
Conc: 4.33 ng/ml



#5 Aldrin

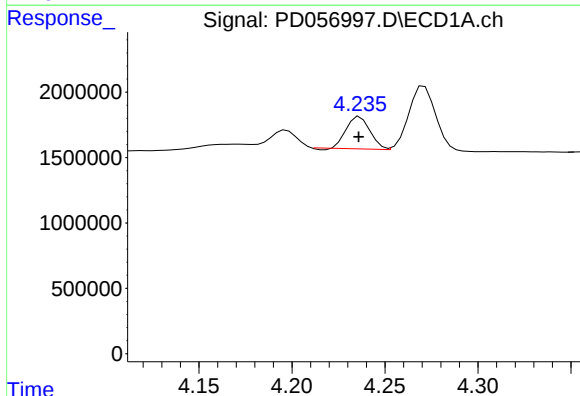
R.T.: 4.510 min  
Delta R.T.: 0.000 min  
Response: 4996229  
Conc: 4.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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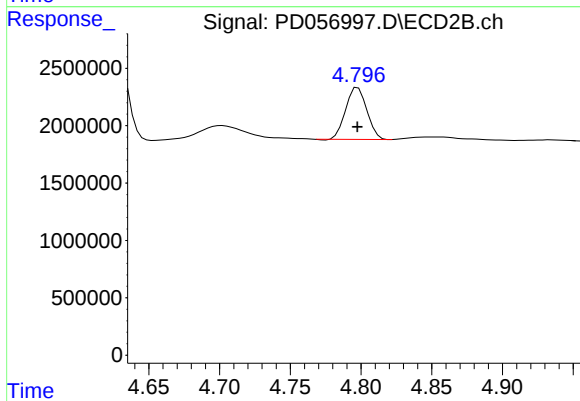
#5 Aldrin

R.T.: 5.437 min  
Delta R.T.: 0.000 min  
Response: 9916529  
Conc: 4.37 ng/ml



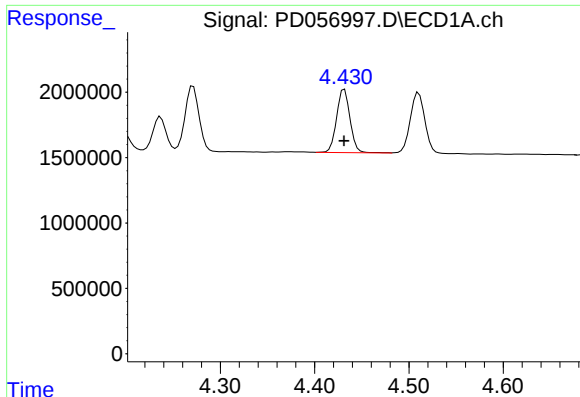
#6 beta-BHC

R.T.: 4.237 min  
Delta R.T.: 0.000 min  
Response: 2158801  
Conc: 4.18 ng/ml



#6 beta-BHC

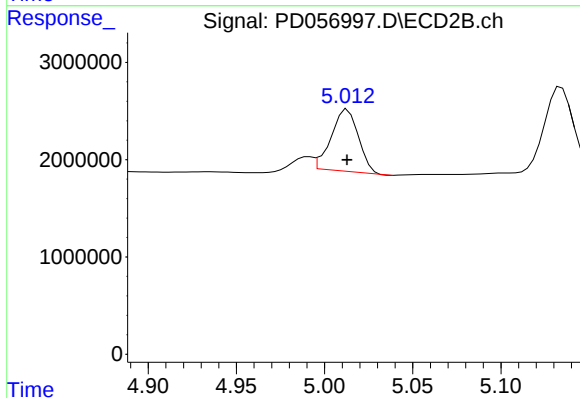
R.T.: 4.798 min  
Delta R.T.: 0.000 min  
Response: 4711358  
Conc: 4.48 ng/ml



#7 delta-BHC

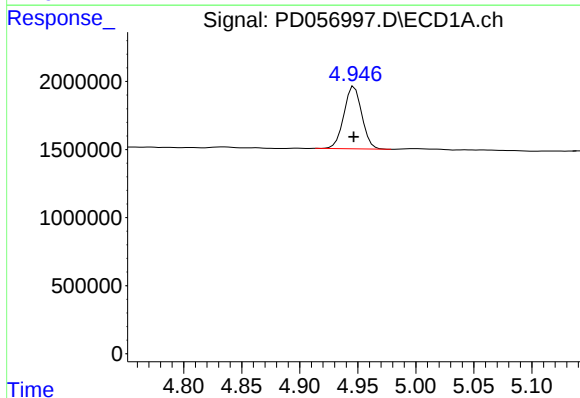
R.T.: 4.432 min  
Delta R.T.: 0.000 min  
Response: 4781771  
Conc: 3.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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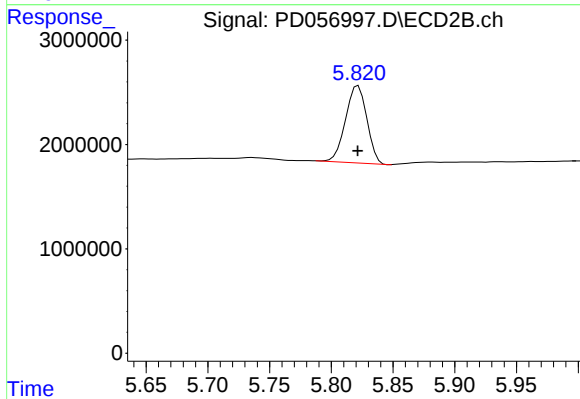
#7 delta-BHC

R.T.: 5.013 min  
Delta R.T.: 0.000 min  
Response: 6840354  
Conc: 3.06 ng/ml



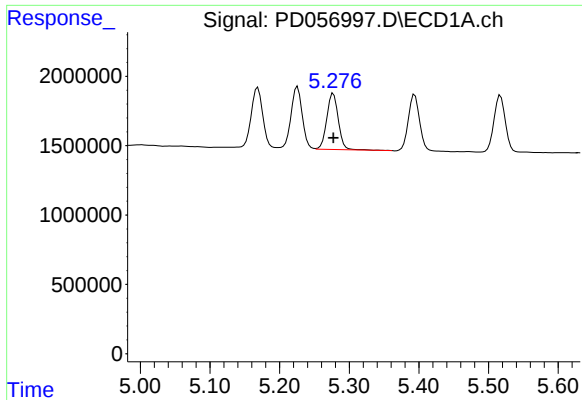
#8 Heptachlor epoxide

R.T.: 4.947 min  
Delta R.T.: 0.000 min  
Response: 4927362  
Conc: 4.59 ng/ml



#8 Heptachlor epoxide

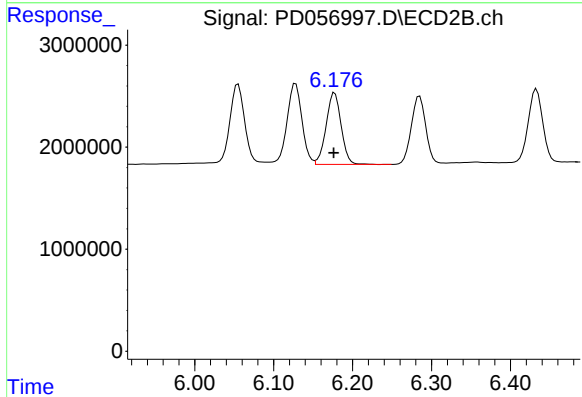
R.T.: 5.822 min  
Delta R.T.: 0.000 min  
Response: 8912269  
Conc: 4.10 ng/ml



#9 Endosulfan I

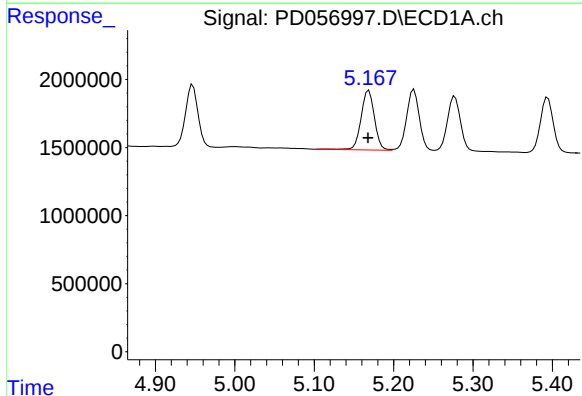
R.T.: 5.277 min  
Delta R.T.: 0.000 min  
Response: 4632734  
Conc: 4.71 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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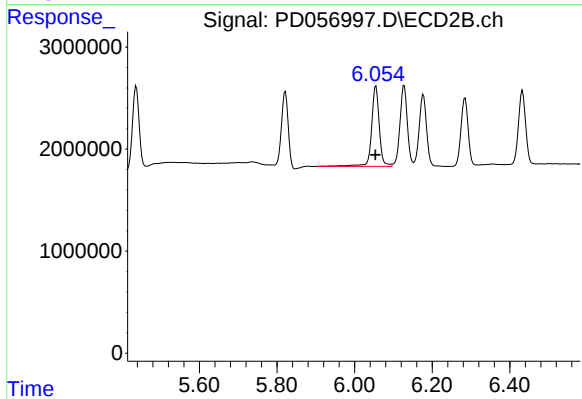
#9 Endosulfan I

R.T.: 6.177 min  
Delta R.T.: 0.001 min  
Response: 9292490  
Conc: 4.58 ng/ml



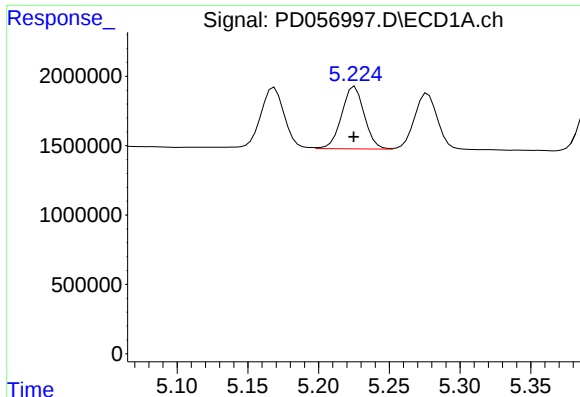
#10 gamma-Chlordane

R.T.: 5.169 min  
Delta R.T.: 0.001 min  
Response: 5124891  
Conc: 4.72 ng/ml



#10 gamma-Chlordane

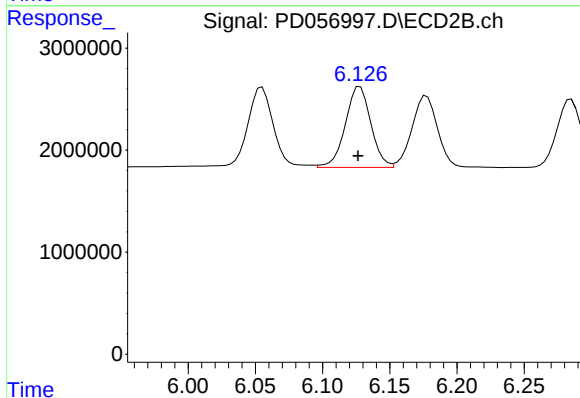
R.T.: 6.055 min  
Delta R.T.: 0.001 min  
Response: 10957866  
Conc: 4.92 ng/ml



#11 alpha-Chlordane

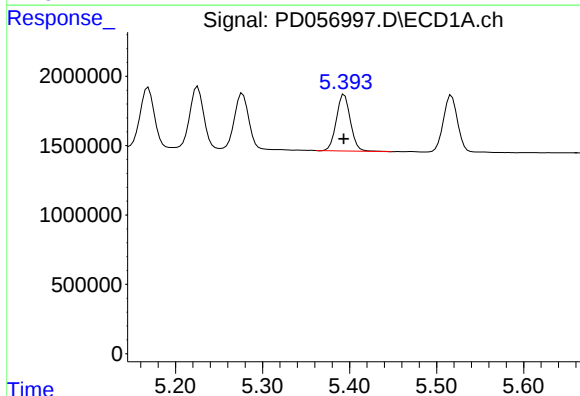
R.T.: 5.226 min  
Delta R.T.: 0.000 min  
Response: 5027956  
Conc: 4.64 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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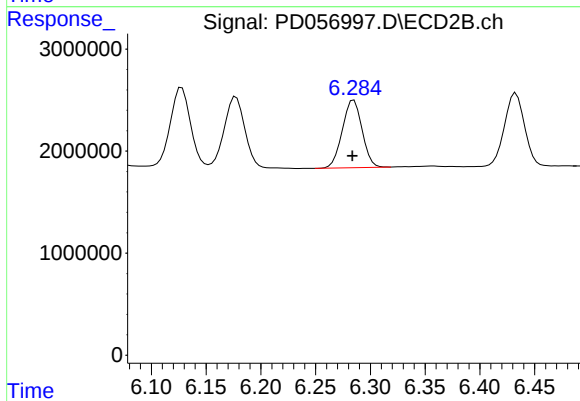
#11 alpha-Chlordane

R.T.: 6.128 min  
Delta R.T.: 0.001 min  
Response: 10473906  
Conc: 4.70 ng/ml



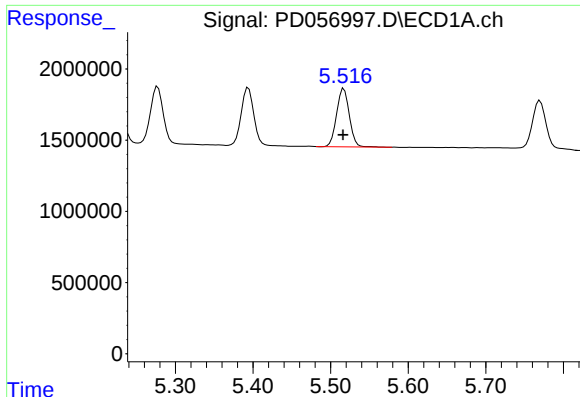
#12 4,4'-DDE

R.T.: 5.394 min  
Delta R.T.: 0.000 min  
Response: 4563984  
Conc: 4.83 ng/ml



#12 4,4'-DDE

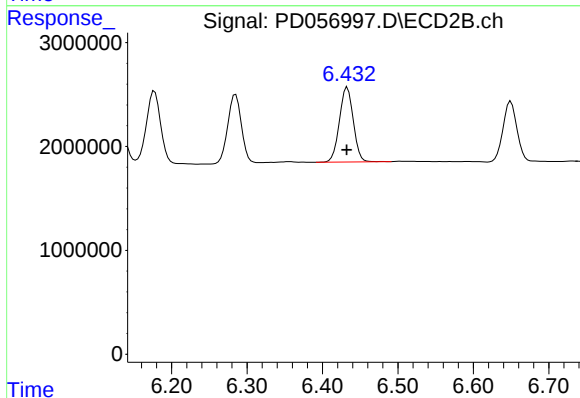
R.T.: 6.285 min  
Delta R.T.: 0.001 min  
Response: 8321255  
Conc: 4.17 ng/ml



#13 Dieldrin

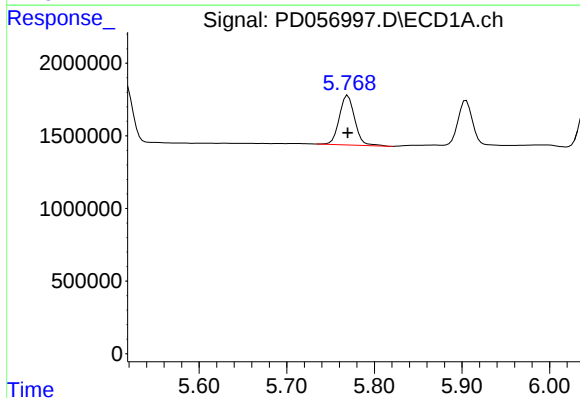
R.T.: 5.517 min  
Delta R.T.: 0.001 min  
Response: 4659644  
Conc: 4.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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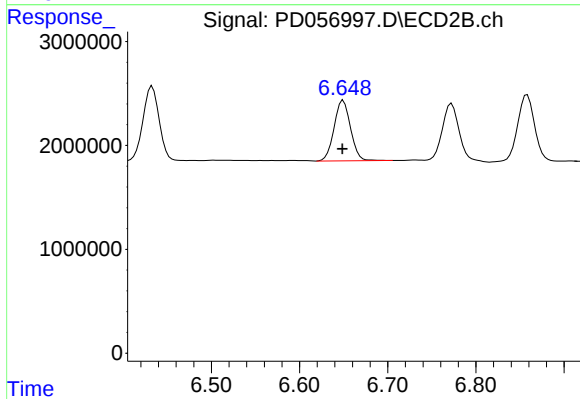
#13 Dieldrin

R.T.: 6.433 min  
Delta R.T.: 0.000 min  
Response: 9212756  
Conc: 4.30 ng/ml



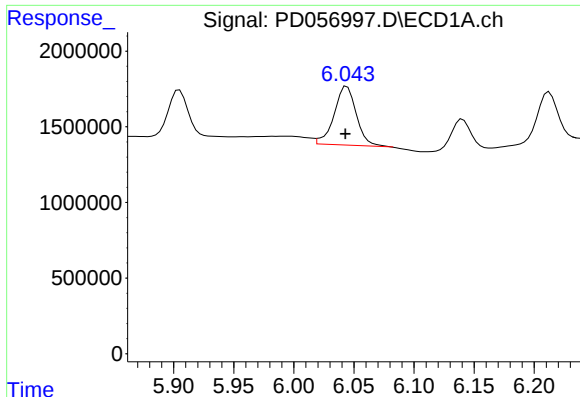
#14 Endrin

R.T.: 5.770 min  
Delta R.T.: 0.000 min  
Response: 4188646  
Conc: 4.71 ng/ml



#14 Endrin

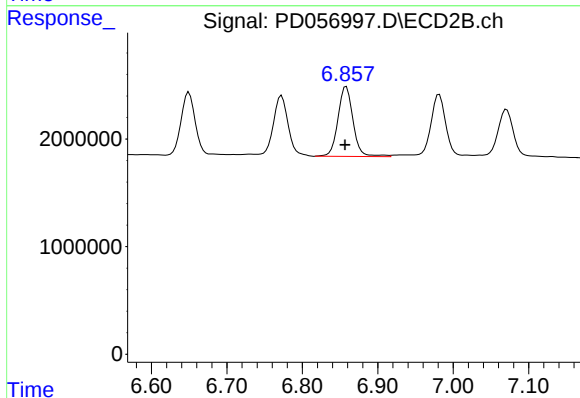
R.T.: 6.650 min  
Delta R.T.: 0.000 min  
Response: 7533809  
Conc: 4.38 ng/ml



#15 Endosulfan II

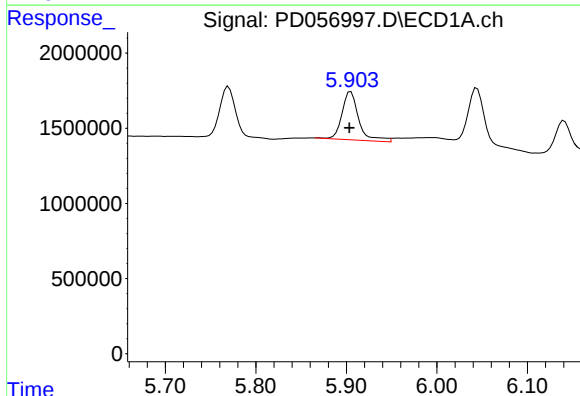
R.T.: 6.044 min  
Delta R.T.: 0.001 min  
Response: 4952998  
Conc: 5.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
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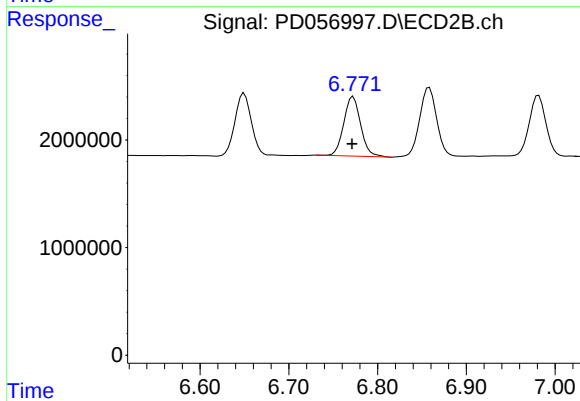
#15 Endosulfan II

R.T.: 6.858 min  
Delta R.T.: 0.002 min  
Response: 9043397  
Conc: 4.74 ng/ml



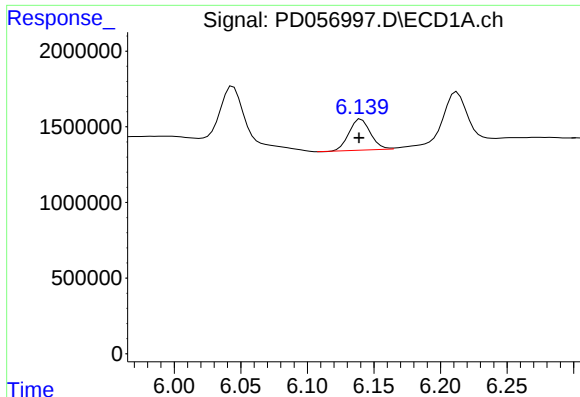
#16 4,4'-DDD

R.T.: 5.905 min  
Delta R.T.: 0.002 min  
Response: 4130040  
Conc: 4.93 ng/ml



#16 4,4'-DDD

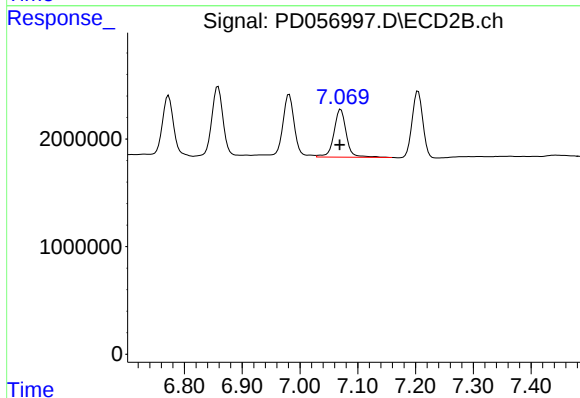
R.T.: 6.773 min  
Delta R.T.: 0.001 min  
Response: 7340431  
Conc: 4.36 ng/ml



#17 4,4'-DDT

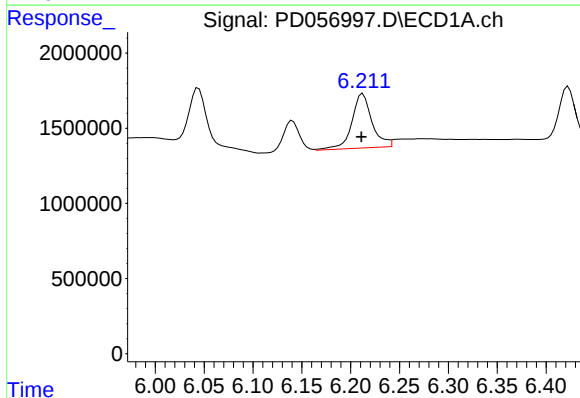
R.T.: 6.141 min  
Delta R.T.: 0.002 min  
Response: 2296192  
Conc: 3.19 ng/ml

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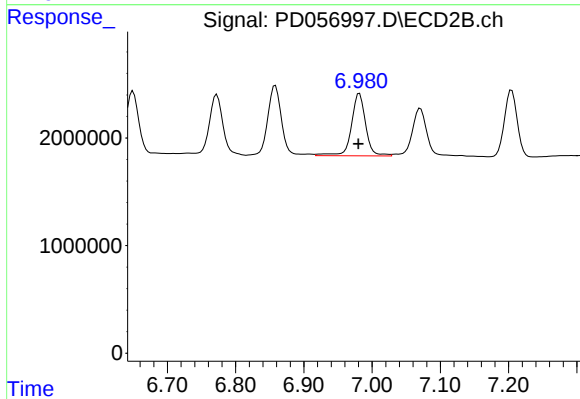
#17 4,4'-DDT

R.T.: 7.071 min  
Delta R.T.: 0.002 min  
Response: 6614602  
Conc: 4.30 ng/ml



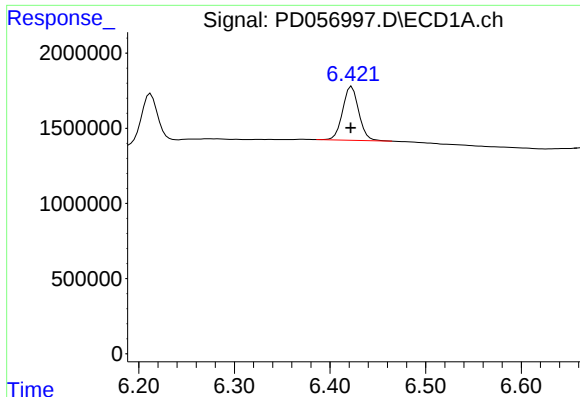
#18 Endrin aldehyde

R.T.: 6.213 min  
Delta R.T.: 0.002 min  
Response: 5178067  
Conc: 6.12 ng/ml



#18 Endrin aldehyde

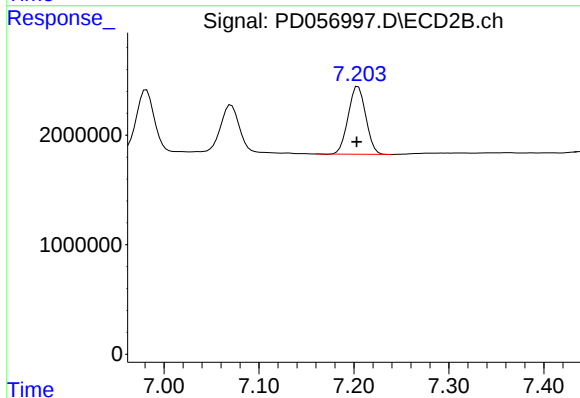
R.T.: 6.981 min  
Delta R.T.: 0.001 min  
Response: 8380813  
Conc: 5.08 ng/ml



#19 Endosulfan Sulfate

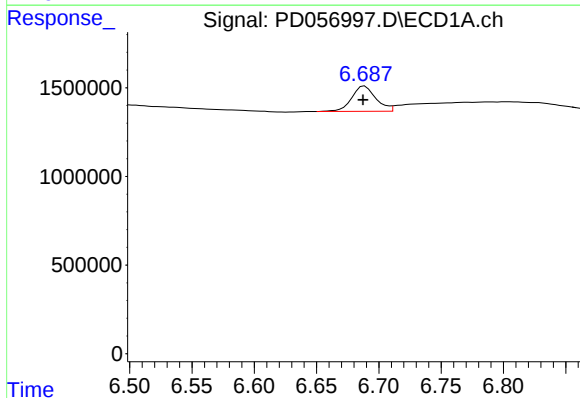
R.T.: 6.423 min  
Delta R.T.: 0.000 min  
Response: 4207731  
Conc: 4.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-WATER-02-QT1-2020



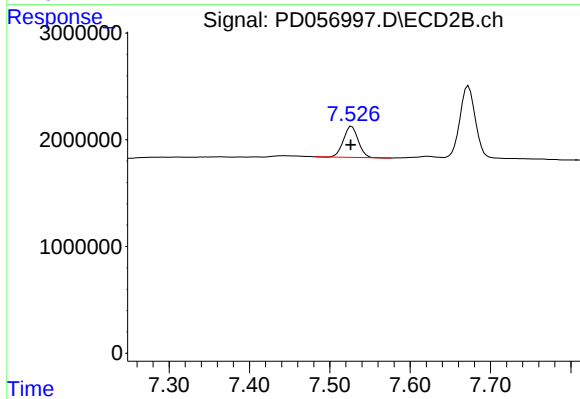
#19 Endosulfan Sulfate

R.T.: 7.205 min  
Delta R.T.: 0.002 min  
Response: 7960466  
Conc: 4.35 ng/ml



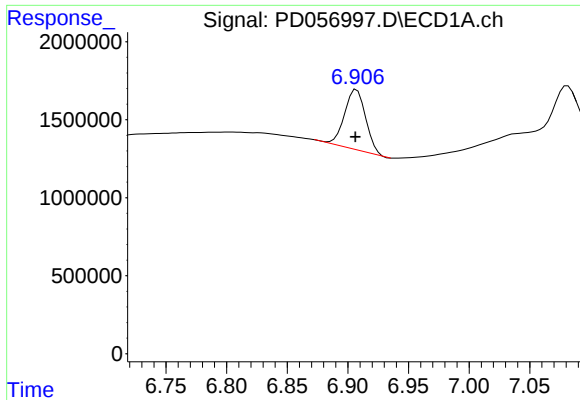
#20 Methoxychlor

R.T.: 6.689 min  
Delta R.T.: 0.001 min  
Response: 1930867  
Conc: 4.92 ng/ml



#20 Methoxychlor

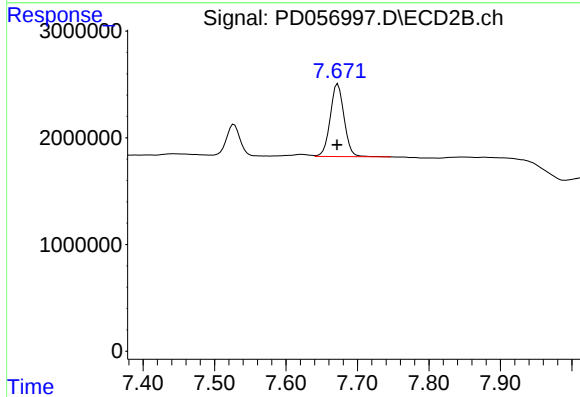
R.T.: 7.527 min  
Delta R.T.: 0.001 min  
Response: 3707936  
Conc: 4.20 ng/ml



#21 Endrin ketone

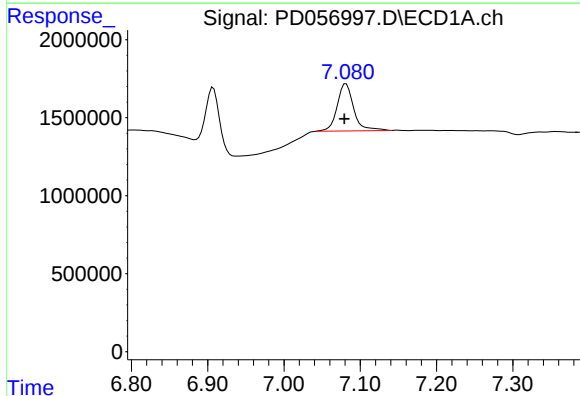
R.T.: 6.907 min  
Delta R.T.: 0.000 min  
Response: 4512418  
Conc: 4.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-WATER-02-QT1-2020



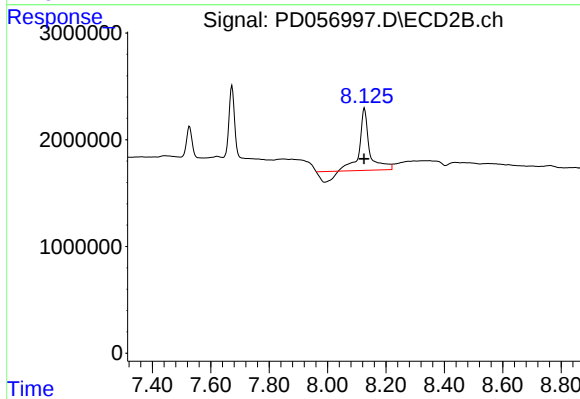
#21 Endrin ketone

R.T.: 7.673 min  
Delta R.T.: 0.001 min  
Response: 9186523  
Conc: 4.47 ng/ml



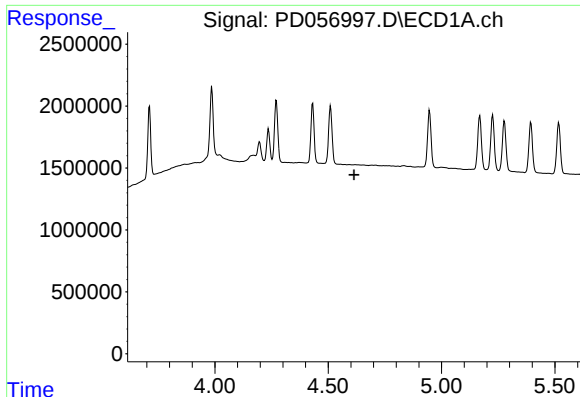
#22 Mirex

R.T.: 7.081 min  
Delta R.T.: 0.002 min  
Response: 4552700  
Conc: 5.42 ng/ml



#22 Mirex

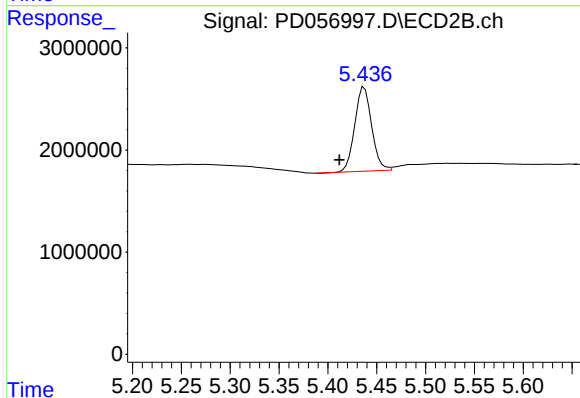
R.T.: 8.126 min  
Delta R.T.: 0.002 min  
Response: 11841498  
Conc: 8.08 ng/ml



#24 Chlordane-2

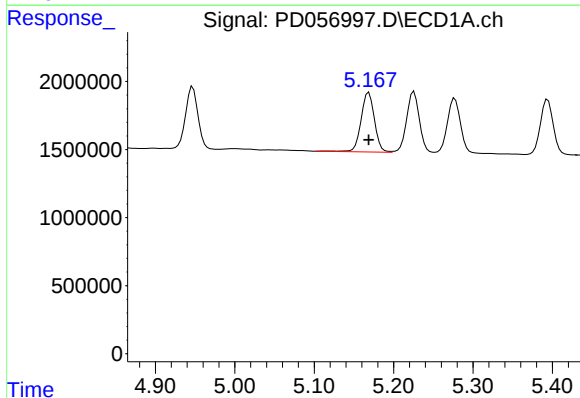
R.T.: 0.000 min  
Exp R.T.: 4.614 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-WATER-02-QT1-2020



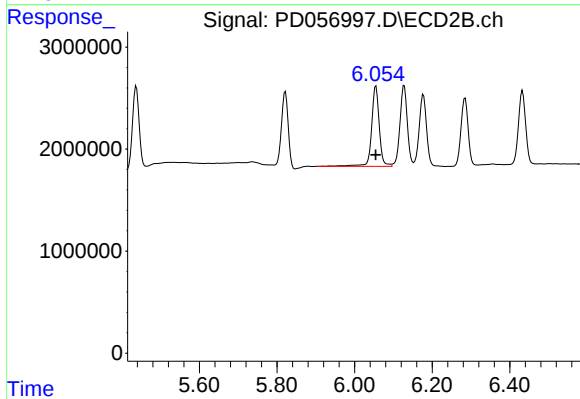
#24 Chlordane-2

R.T.: 5.437 min  
Delta R.T.: 0.026 min  
Response: 9916529  
Conc: 144.56 ng/ml



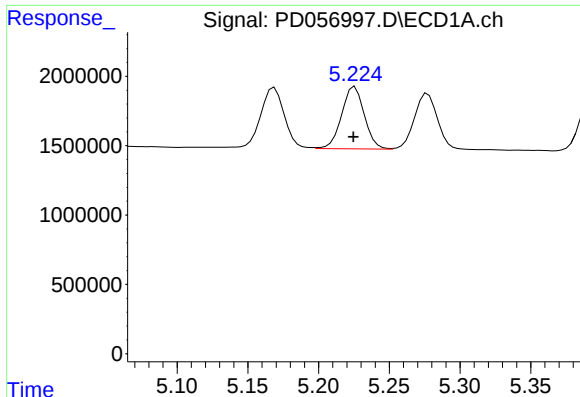
#25 Chlordane-3

R.T.: 5.169 min  
Delta R.T.: 0.000 min  
Response: 5124891  
Conc: 52.33 ng/ml



#25 Chlordane-3

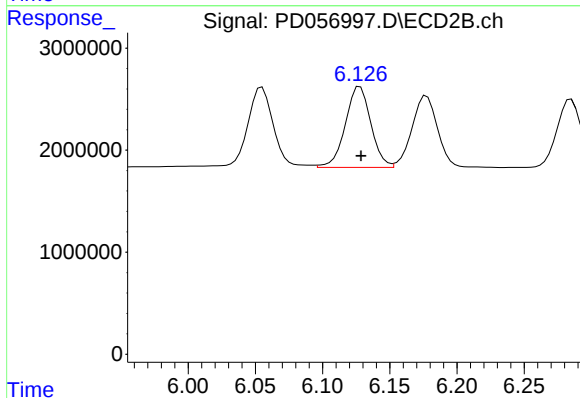
R.T.: 6.055 min  
Delta R.T.: 0.000 min  
Response: 10957866  
Conc: 38.84 ng/ml



#26 Chlordane-4

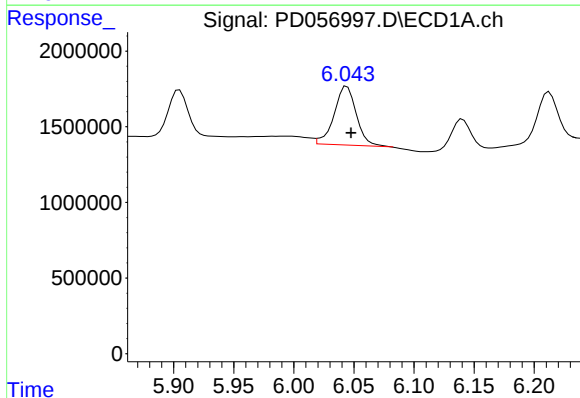
R.T.: 5.226 min  
Delta R.T.: 0.000 min  
Response: 5027956  
Conc: 57.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-WATER-02-QT1-2020



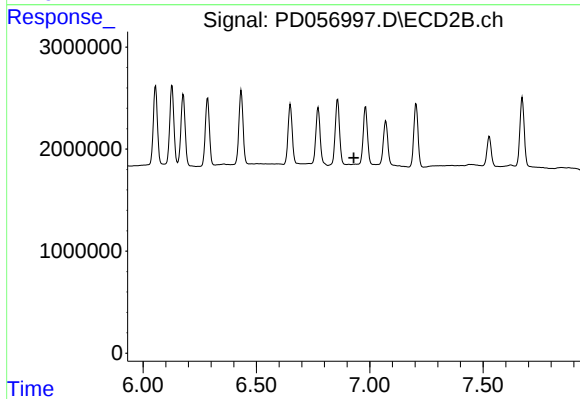
#26 Chlordane-4

R.T.: 6.128 min  
Delta R.T.: 0.000 min  
Response: 10473906  
Conc: 31.02 ng/ml



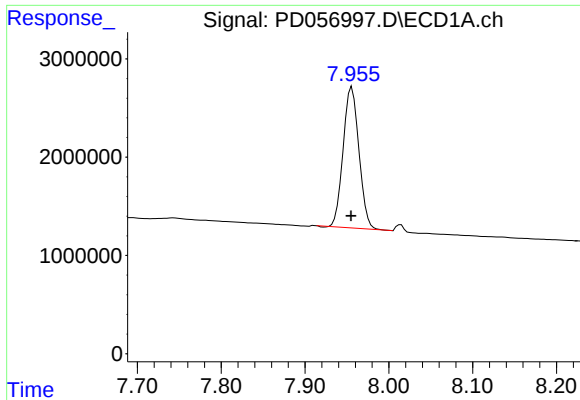
#27 Chlordane-5

R.T.: 6.044 min  
Delta R.T.: -0.003 min  
Response: 4952998  
Conc: 143.15 ng/ml



#27 Chlordane-5

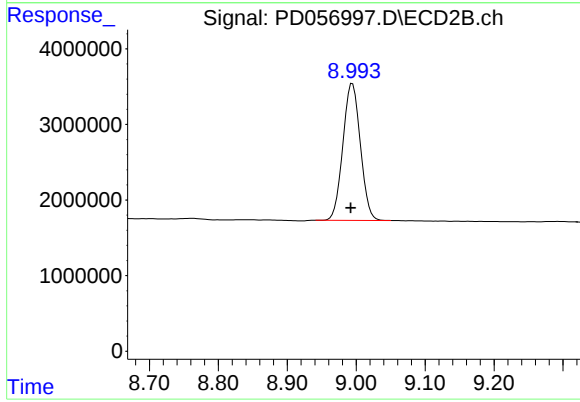
R.T.: 0.000 min  
Exp R.T.: 6.930 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.956 min  
Delta R.T.: 0.000 min  
Response: 18796908  
Conc: 19.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOQ-WATER-02-QT1-2020



#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.002 min  
Response: 31906542  
Conc: 19.14 ng/ml