

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD022222\  
 Data File : PD068129.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Feb 2022 09:17  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 22 17:44:41 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD022222.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Feb 22 13:16:10 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... | 3.450  | 4.175  | 26162835 | 174.5E6  | 17.972  | 18.868  |
| 28)                         | SA Decachlor... | 8.215  | 9.368  | 27049642 | 97501144 | 18.876  | 19.586  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.890  | 4.571  | 18172809 | 127.2E6  | 8.175   | 9.626   |
| 3)                          | MA gamma-BHC... | 4.174  | 4.861  | 17077146 | 117.0E6  | 8.356   | 9.853   |
| 4)                          | MA Heptachlor   | 0.000  | 5.391  | 0        | 132893   | N.D.    | 0.013 # |
| 5)                          | MB Aldrin       | 4.719  | 5.693  | 103184   | 258598   | 0.048   | 0.022 # |
| 6)                          | B beta-BHC      | 4.423  | 5.023  | 8515456  | 56709289 | 9.995   | 10.960  |
| 7)                          | B delta-BHC     | 4.655f | 5.231f | 300979   | 809072   | 0.147   | 0.068 # |
| 8)                          | B Heptachlo...  | 0.000  | 6.074f | 0        | 2596563  | N.D.    | 0.257 # |
| 9)                          | A Endosulfan I  | 5.500  | 6.464  | 82720    | 109522   | 0.046   | 0.012 # |
| 10)                         | B gamma-Chl...  | 5.392  | 0.000  | 175996   | 0        | 0.088   | N.D. #  |
| 11)                         | B alpha-Chl...  | 0.000  | 6.408  | 0        | 704755   | N.D.    | 0.074 # |
| 12)                         | B 4,4'-DDE      | 5.618  | 6.551  | 1424295  | 5447485  | 0.782   | 0.603   |
| 13)                         | MA Dieldrin     | 0.000  | 6.710  | 0        | 1264003  | N.D.    | 0.131 # |
| 14)                         | MA Endrin       | 6.006  | 6.930  | 77129567 | 336.0E6  | 47.009  | 46.882  |
| 15)                         | B Endosulfa...  | 6.286  | 7.133  | 735502   | 5794467  | 0.438   | 0.759 # |
| 16)                         | A 4,4'-DDD      | 6.135  | 7.041  | 3273673  | 20006935 | 2.136   | 2.854 # |
| 17)                         | MA 4,4'-DDT     | 6.376  | 7.344  | 136.4E6  | 507.3E6  | 99.110  | 89.485  |
| 18)                         | B Endrin al...  | 6.450  | 7.259  | 1256753  | 8738333  | 1.138   | 1.687 # |
| 19)                         | B Endosulfa...  | 6.651  | 0.000  | 121678   | 0        | 0.077   | N.D. #  |
| 20)                         | A Methoxychlor  | 6.927  | 7.796  | 181.5E6  | 578.7E6  | 233.310 | 213.840 |
| 21)                         | B Endrin ke...  | 7.156  | 7.959  | 1954907  | 13085055 | 1.094   | 1.820 # |
| 22)                         | Mirex           | 7.368f | 8.425  | 235057   | 2628182  | 0.164   | 0.524 # |
| 24)                         | Chlordane-2     | 0.000  | 5.693f | 0        | 258598   | N.D.    | 0.627 # |
| 25)                         | Chlordane-3     | 5.392  | 0.000  | 175996   | 0        | 0.845   | N.D. #  |
| 26)                         | Chlordane-4     | 0.000  | 6.408  | 0        | 704755   | N.D.    | 0.423 # |
| 27)                         | Chlordane-5     | 6.286  | 0.000  | 735502   | 0        | 11.140  | N.D. #  |
| -----                       |                 |        |        |          |          |         |         |

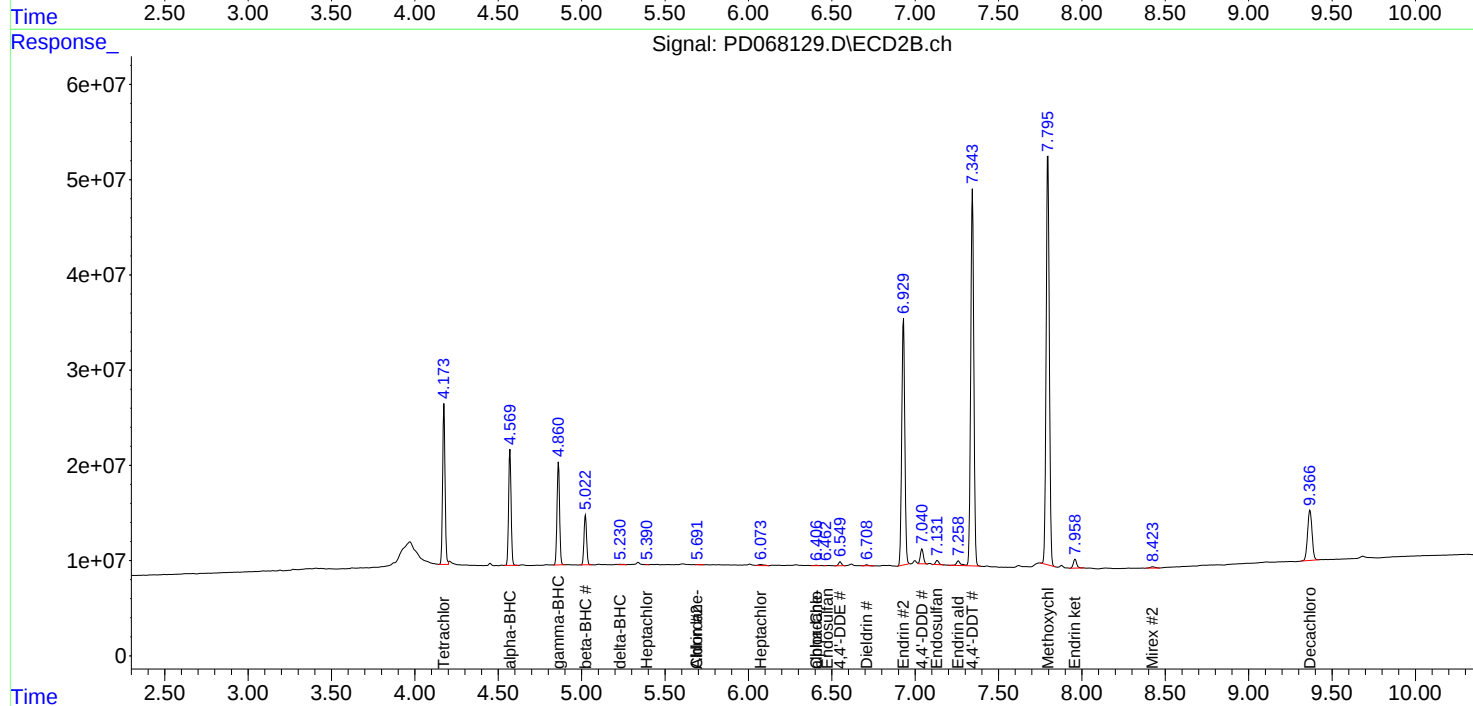
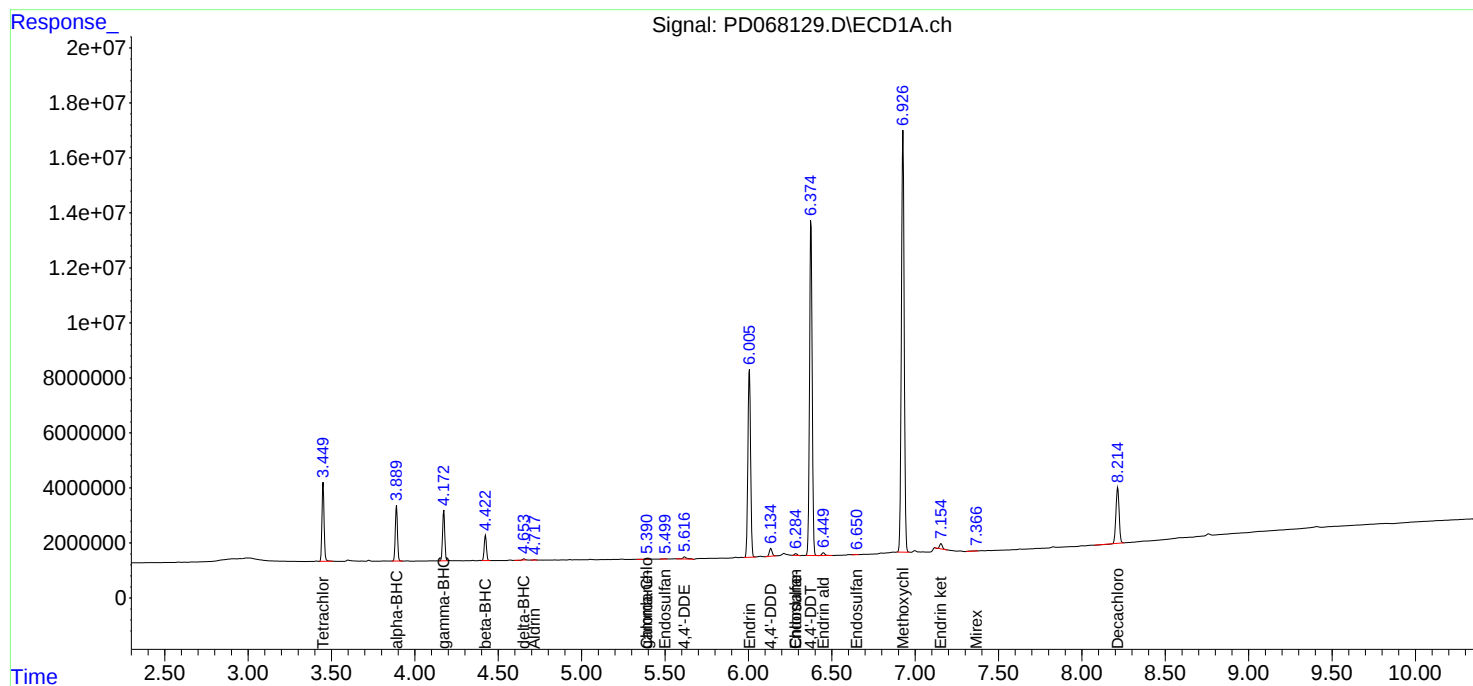
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

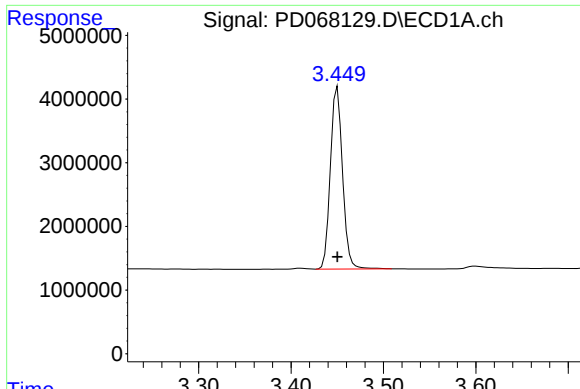
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD022222\  
Data File : PD068129.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
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Operator : AR\AJ  
Sample : PEM  
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ALS Vial : 3 Sample Multiplier: 1

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ECD\_D  
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Feb 22 17:44:41 2022  
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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

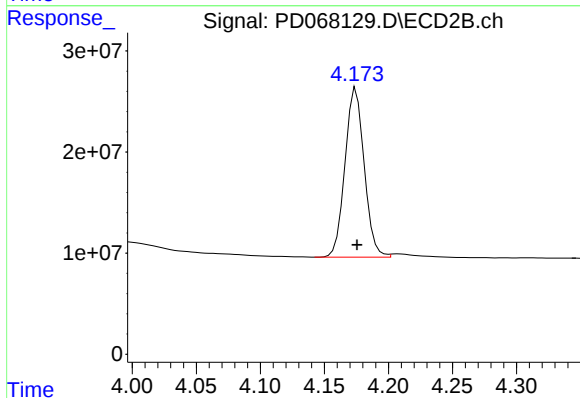




#1 Tetrachloro-m-xylene

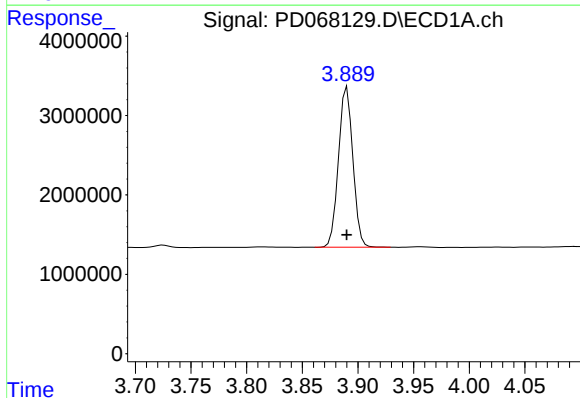
R.T.: 3.450 min  
Delta R.T.: 0.000 min  
Response: 26162835  
Conc: 17.97 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



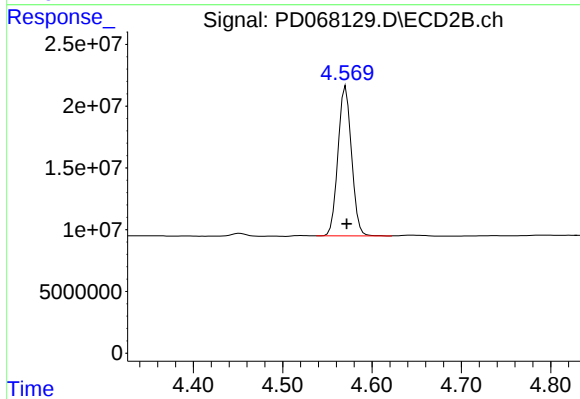
#1 Tetrachloro-m-xylene

R.T.: 4.175 min  
Delta R.T.: 0.000 min  
Response: 174485056  
Conc: 18.87 ng/ml



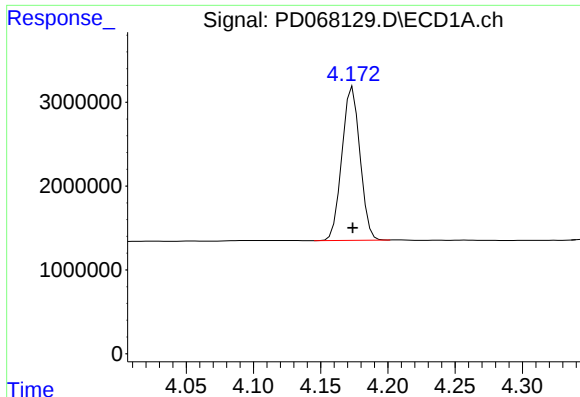
#2 alpha-BHC

R.T.: 3.890 min  
Delta R.T.: 0.000 min  
Response: 18172809  
Conc: 8.18 ng/ml



#2 alpha-BHC

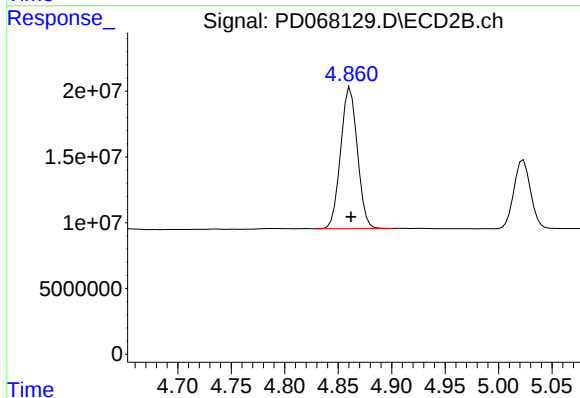
R.T.: 4.571 min  
Delta R.T.: 0.000 min  
Response: 127240678  
Conc: 9.63 ng/ml



#3 gamma-BHC (Lindane)

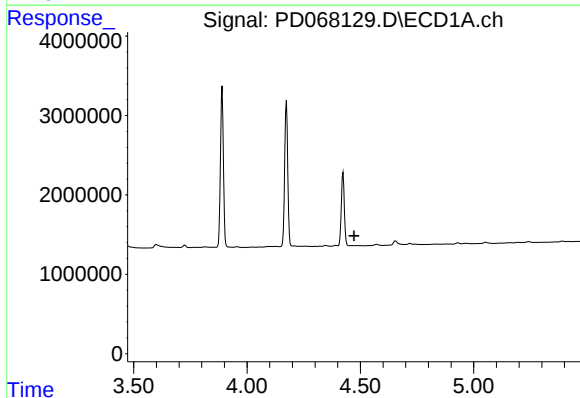
R.T.: 4.174 min  
Delta R.T.: 0.000 min  
Response: 17077146  
Conc: 8.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



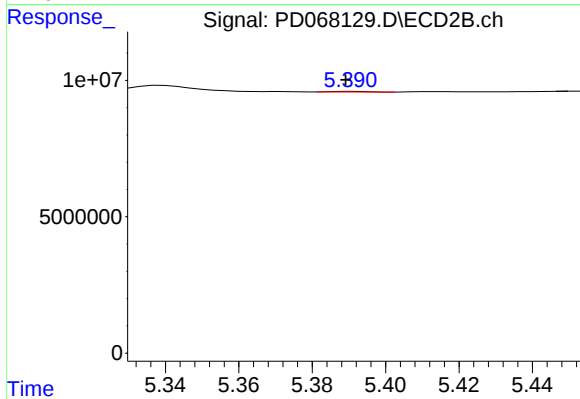
#3 gamma-BHC (Lindane)

R.T.: 4.861 min  
Delta R.T.: 0.000 min  
Response: 116994447  
Conc: 9.85 ng/ml



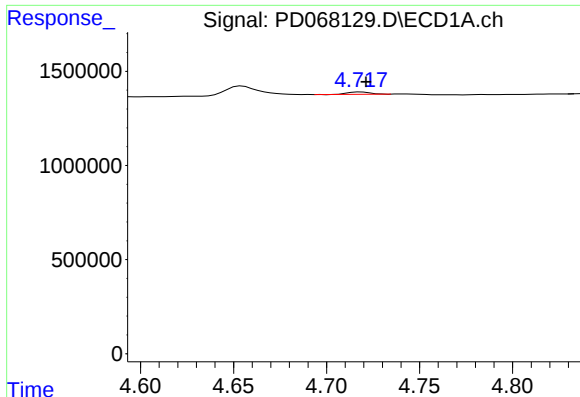
#4 Heptachlor

R.T.: 0.000 min  
Exp R.T. : 4.473 min  
Response: 0  
Conc: N.D.



#4 Heptachlor

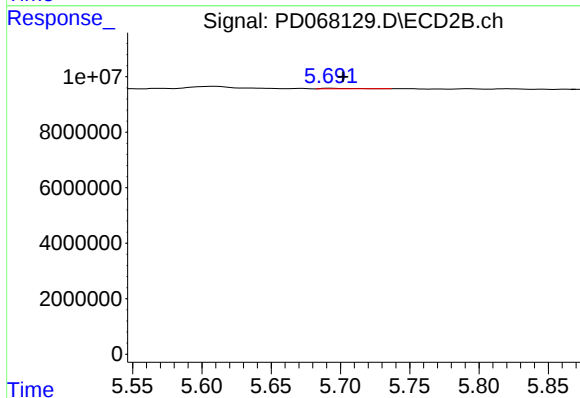
R.T.: 5.391 min  
Delta R.T.: 0.002 min  
Response: 132893  
Conc: 0.01 ng/ml



#5 Aldrin

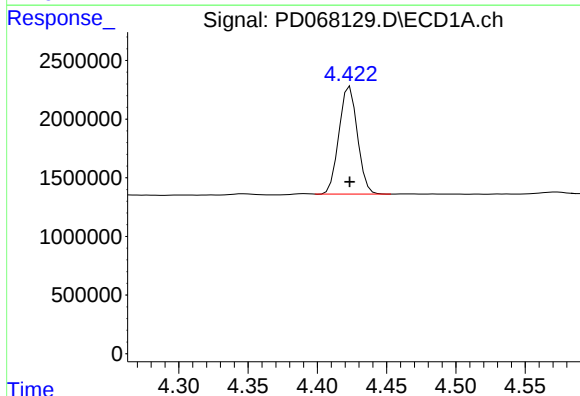
R.T.: 4.719 min  
Delta R.T.: -0.003 min  
Response: 103184  
Conc: 0.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



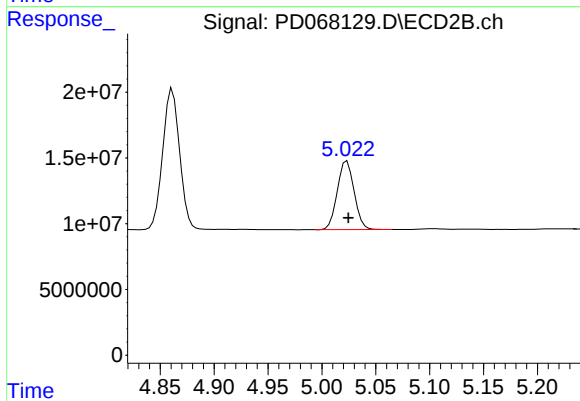
#5 Aldrin

R.T.: 5.693 min  
Delta R.T.: -0.009 min  
Response: 258598  
Conc: 0.02 ng/ml



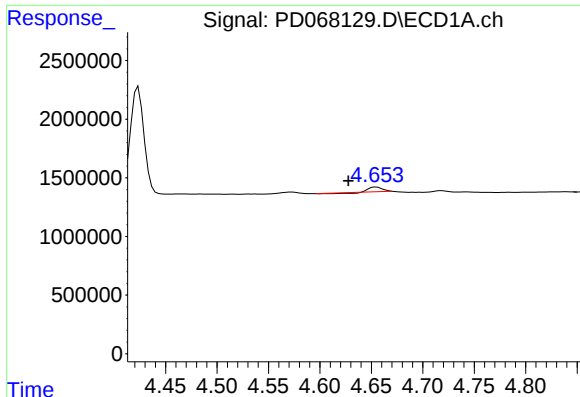
#6 beta-BHC

R.T.: 4.423 min  
Delta R.T.: 0.000 min  
Response: 8515456  
Conc: 9.99 ng/ml



#6 beta-BHC

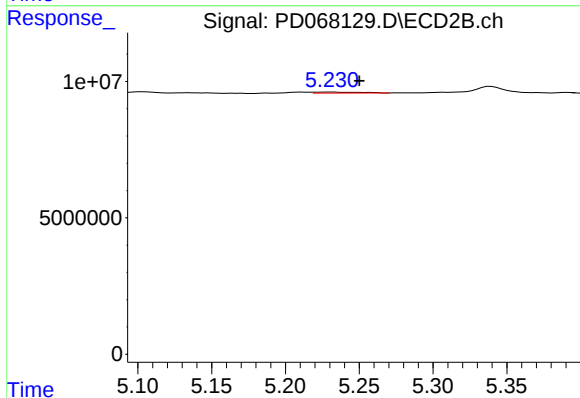
R.T.: 5.023 min  
Delta R.T.: -0.001 min  
Response: 56709289  
Conc: 10.96 ng/ml



#7 delta-BHC

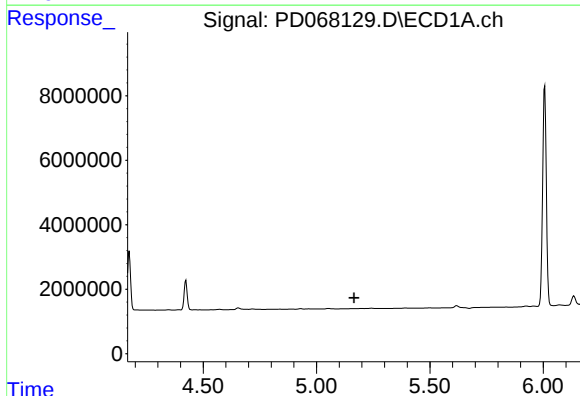
R.T.: 4.655 min  
Delta R.T.: 0.027 min  
Response: 300979  
Conc: 0.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



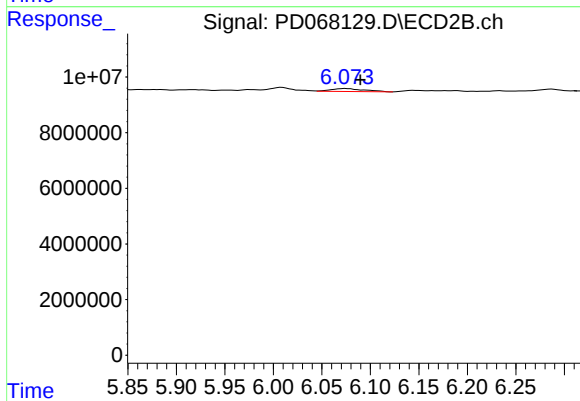
#7 delta-BHC

R.T.: 5.231 min  
Delta R.T.: -0.019 min  
Response: 809072  
Conc: 0.07 ng/ml



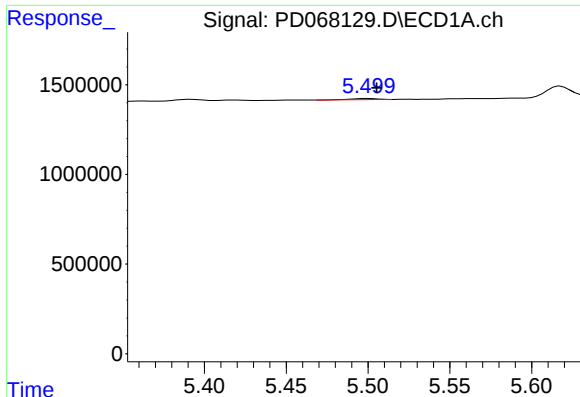
#8 Heptachlor epoxide

R.T.: 0.000 min  
Exp R.T. : 5.166 min  
Response: 0  
Conc: N.D.



#8 Heptachlor epoxide

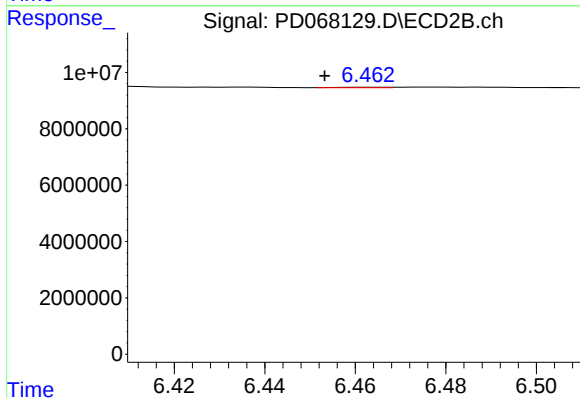
R.T.: 6.074 min  
Delta R.T.: -0.015 min  
Response: 2596563  
Conc: 0.26 ng/ml



#9 Endosulfan I

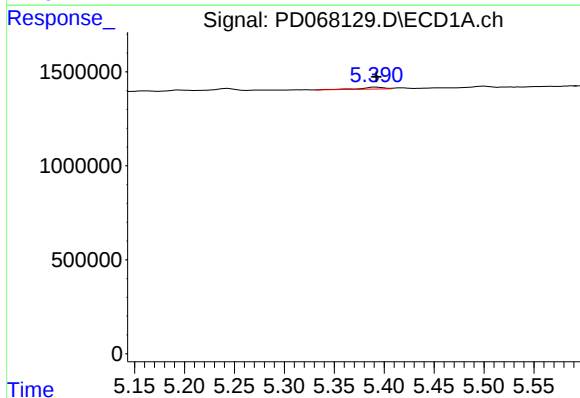
R.T.: 5.500 min  
Delta R.T.: -0.005 min  
Response: 82720  
Conc: 0.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



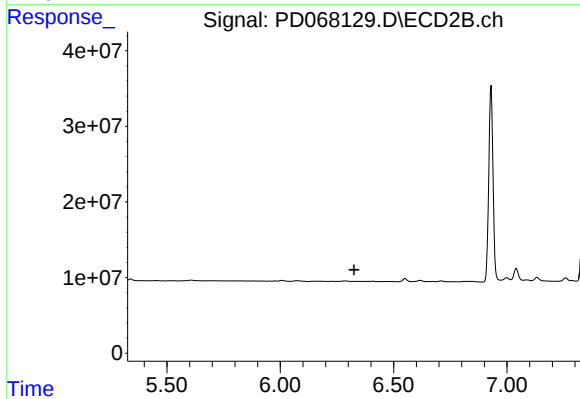
#9 Endosulfan I

R.T.: 6.464 min  
Delta R.T.: 0.010 min  
Response: 109522  
Conc: 0.01 ng/ml



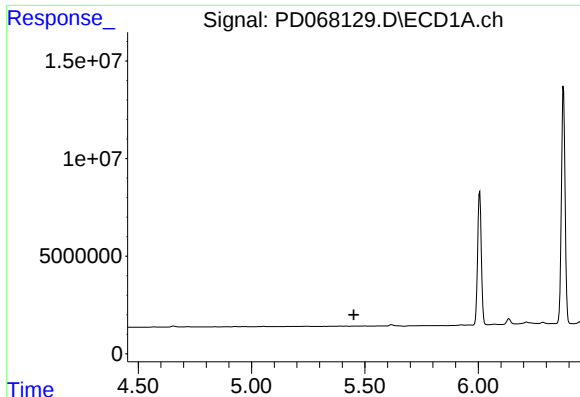
#10 gamma-Chlordane

R.T.: 5.392 min  
Delta R.T.: 0.000 min  
Response: 175996  
Conc: 0.09 ng/ml



#10 gamma-Chlordane

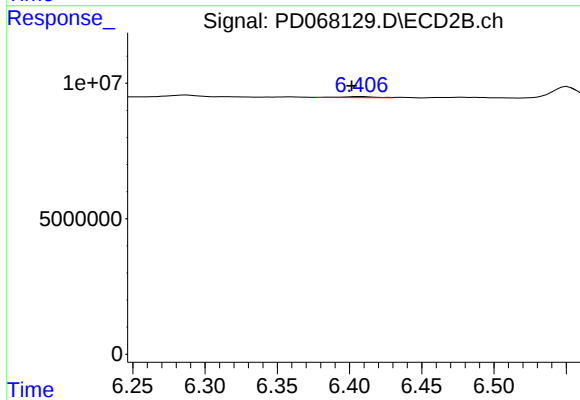
R.T.: 0.000 min  
Exp R.T. : 6.326 min  
Response: 0  
Conc: N.D.



#11 alpha-Chlordane

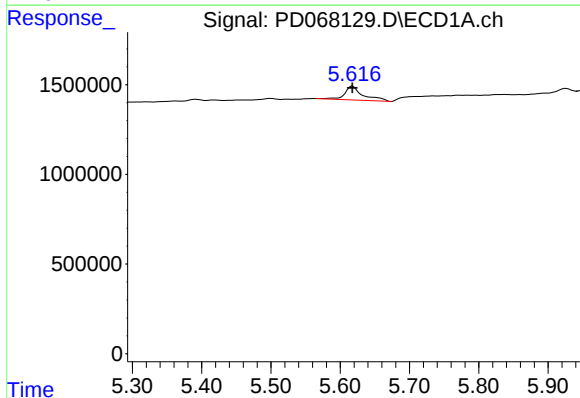
R.T.: 0.000 min  
Exp R.T.: 5.451 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



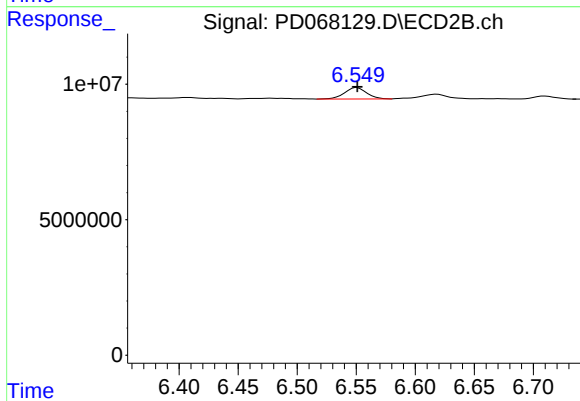
#11 alpha-Chlordane

R.T.: 6.408 min  
Delta R.T.: 0.006 min  
Response: 704755  
Conc: 0.07 ng/ml



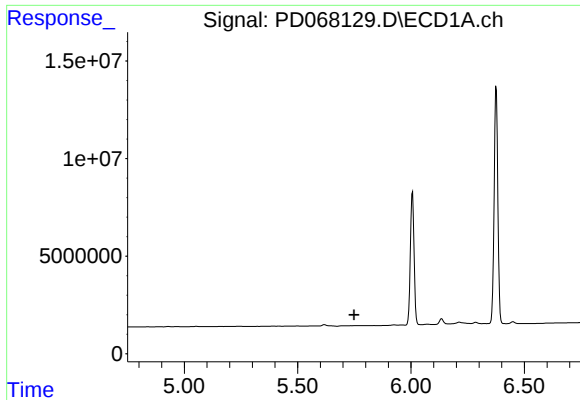
#12 4,4'-DDE

R.T.: 5.618 min  
Delta R.T.: 0.000 min  
Response: 1424295  
Conc: 0.78 ng/ml



#12 4,4'-DDE

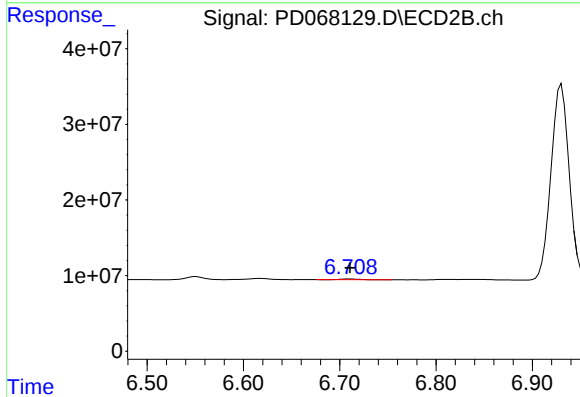
R.T.: 6.551 min  
Delta R.T.: 0.000 min  
Response: 5447485  
Conc: 0.60 ng/ml



#13 Dieldrin

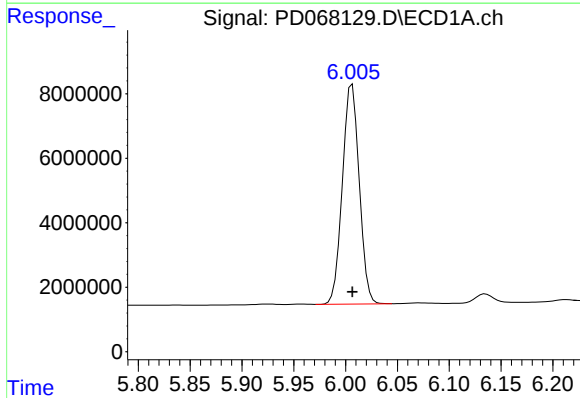
R.T.: 0.000 min  
Exp R.T.: 5.749 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



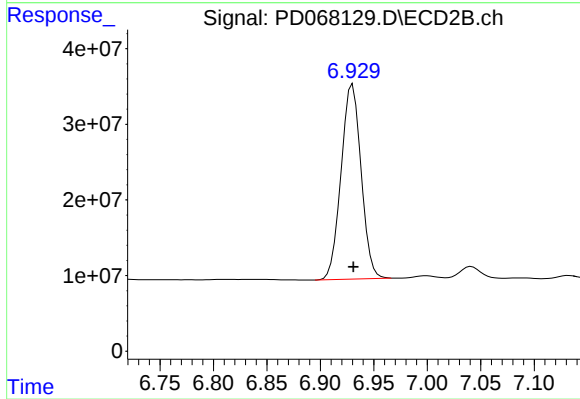
#13 Dieldrin

R.T.: 6.710 min  
Delta R.T.: 0.000 min  
Response: 1264003  
Conc: 0.13 ng/ml



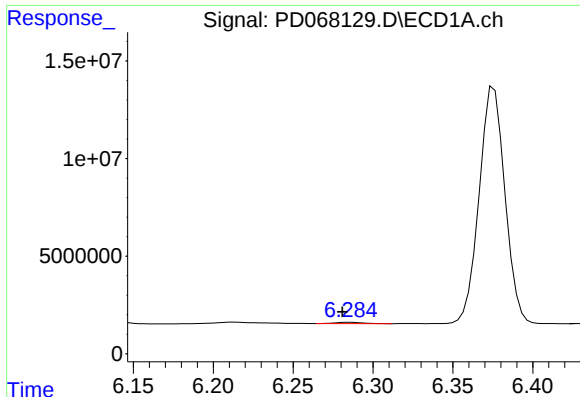
#14 Endrin

R.T.: 6.006 min  
Delta R.T.: 0.000 min  
Response: 77129567  
Conc: 47.01 ng/ml



#14 Endrin

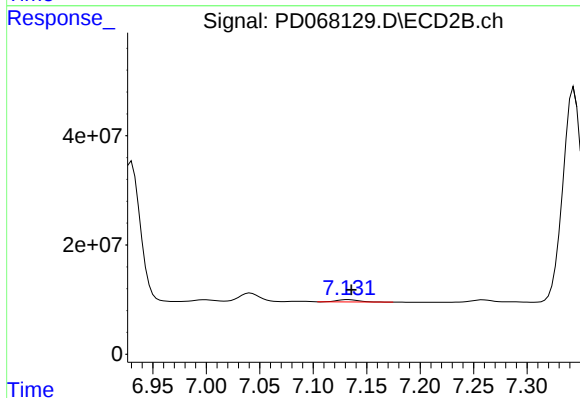
R.T.: 6.930 min  
Delta R.T.: 0.000 min  
Response: 336009060  
Conc: 46.88 ng/ml



#15 Endosulfan II

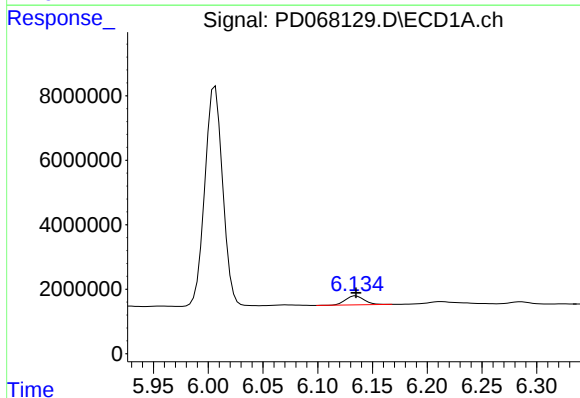
R.T.: 6.286 min  
Delta R.T.: 0.005 min  
Response: 735502  
Conc: 0.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



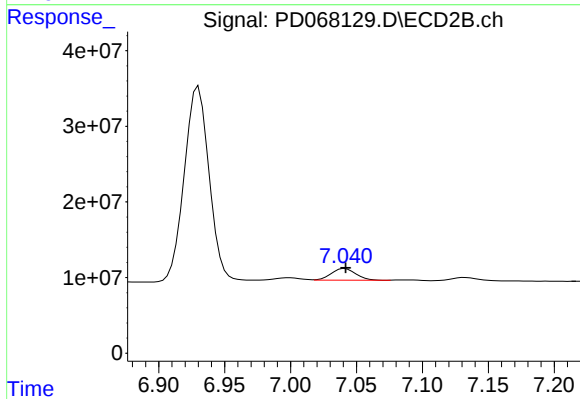
#15 Endosulfan II

R.T.: 7.133 min  
Delta R.T.: -0.003 min  
Response: 5794467  
Conc: 0.76 ng/ml



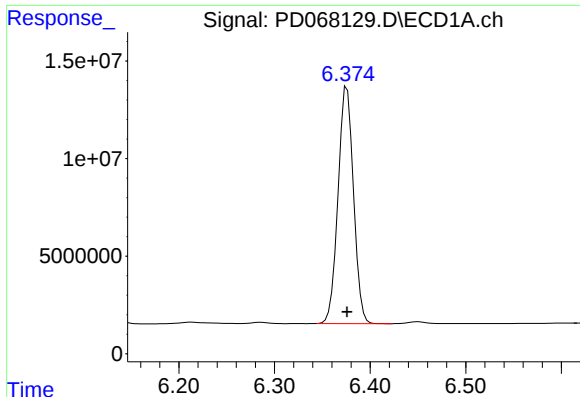
#16 4,4'-DDD

R.T.: 6.135 min  
Delta R.T.: 0.000 min  
Response: 3273673  
Conc: 2.14 ng/ml



#16 4,4'-DDD

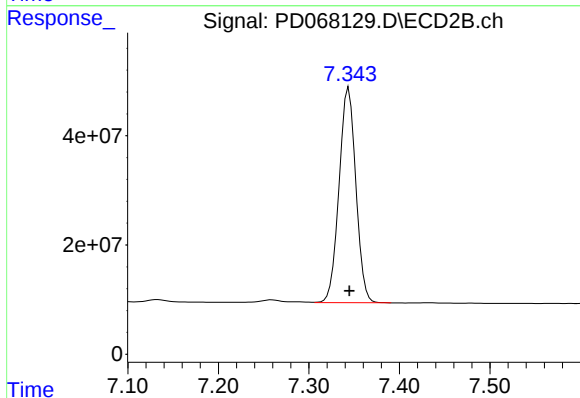
R.T.: 7.041 min  
Delta R.T.: 0.000 min  
Response: 20006935  
Conc: 2.85 ng/ml



#17 4,4'-DDT

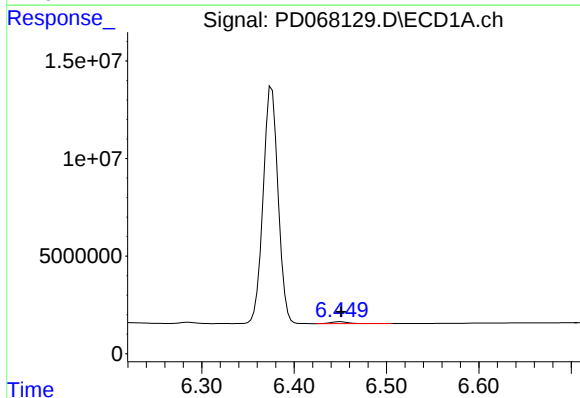
R.T.: 6.376 min  
Delta R.T.: 0.000 min  
Response: 136351695  
Conc: 99.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



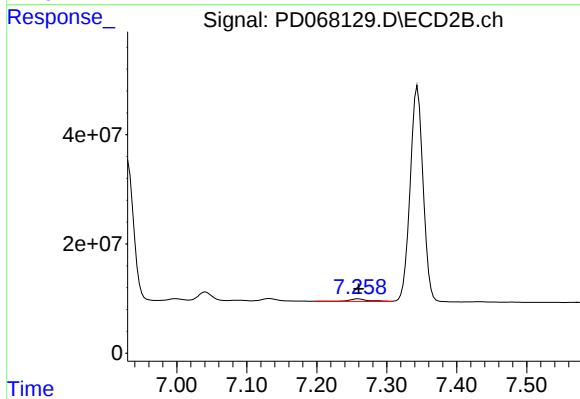
#17 4,4'-DDT

R.T.: 7.344 min  
Delta R.T.: 0.000 min  
Response: 507345789  
Conc: 89.48 ng/ml



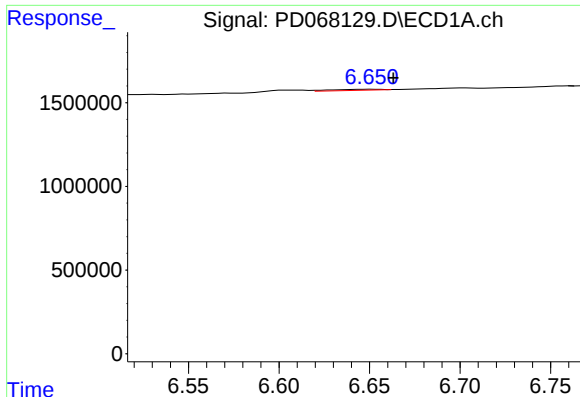
#18 Endrin aldehyde

R.T.: 6.450 min  
Delta R.T.: 0.000 min  
Response: 1256753  
Conc: 1.14 ng/ml



#18 Endrin aldehyde

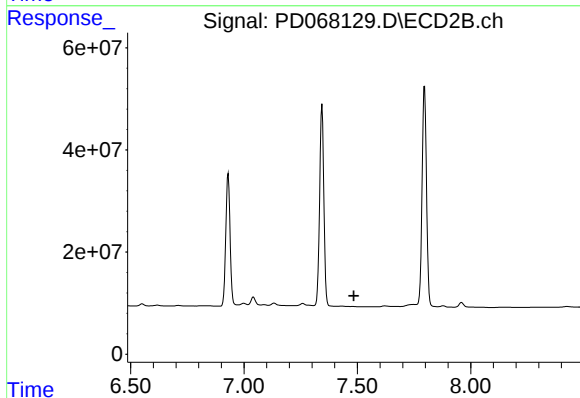
R.T.: 7.259 min  
Delta R.T.: 0.000 min  
Response: 8738333  
Conc: 1.69 ng/ml



#19 Endosulfan Sulfate

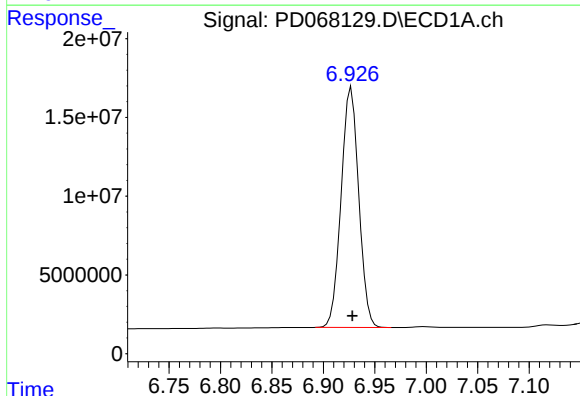
R.T.: 6.651 min  
Delta R.T.: -0.012 min  
Response: 121678  
Conc: 0.08 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



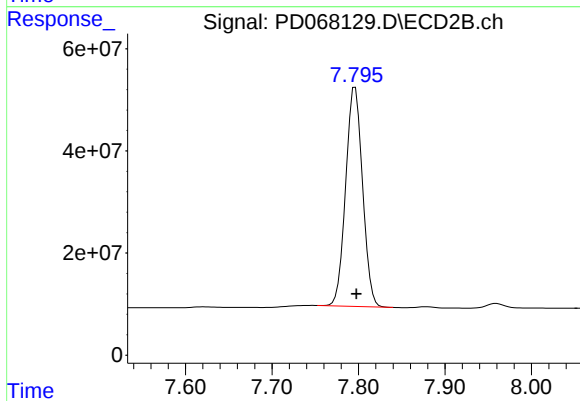
#19 Endosulfan Sulfate

R.T.: 0.000 min  
Exp R.T. : 7.484 min  
Response: 0  
Conc: N.D.



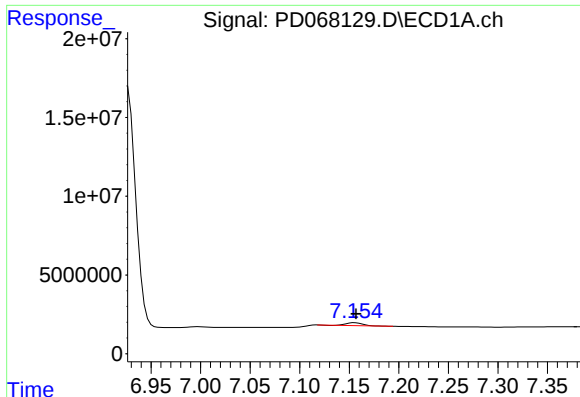
#20 Methoxychlor

R.T.: 6.927 min  
Delta R.T.: -0.001 min  
Response: 181527612  
Conc: 233.31 ng/ml



#20 Methoxychlor

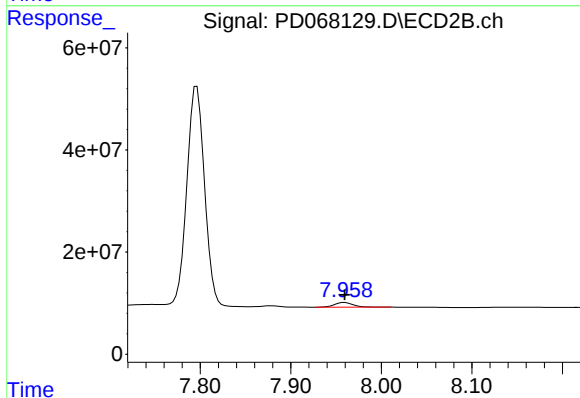
R.T.: 7.796 min  
Delta R.T.: -0.002 min  
Response: 578738723  
Conc: 213.84 ng/ml



#21 Endrin ketone

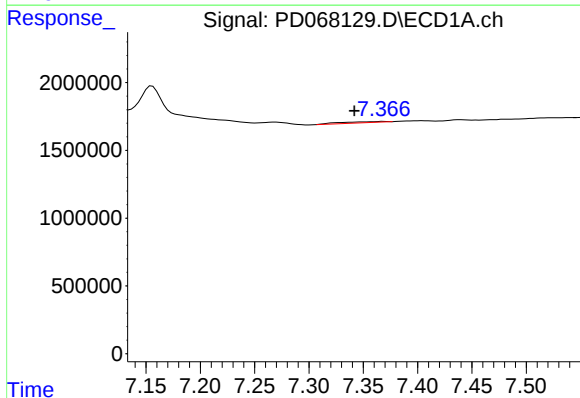
R.T.: 7.156 min  
Delta R.T.: -0.001 min  
Response: 1954907  
Conc: 1.09 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



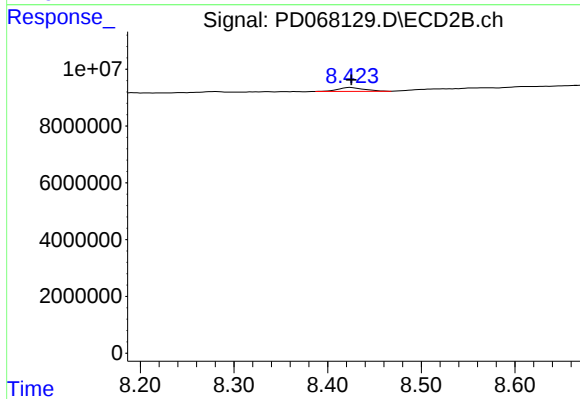
#21 Endrin ketone

R.T.: 7.959 min  
Delta R.T.: 0.000 min  
Response: 13085055  
Conc: 1.82 ng/ml



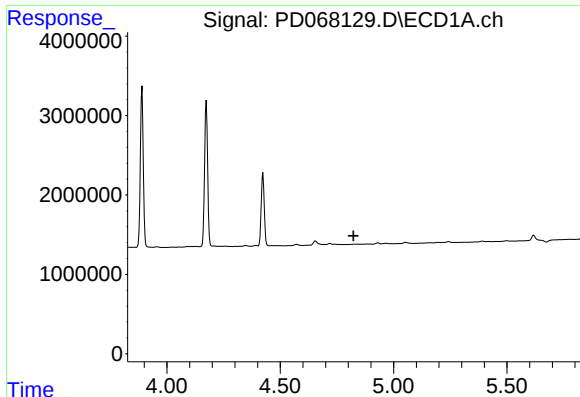
#22 Mirex

R.T.: 7.368 min  
Delta R.T.: 0.026 min  
Response: 235057  
Conc: 0.16 ng/ml



#22 Mirex

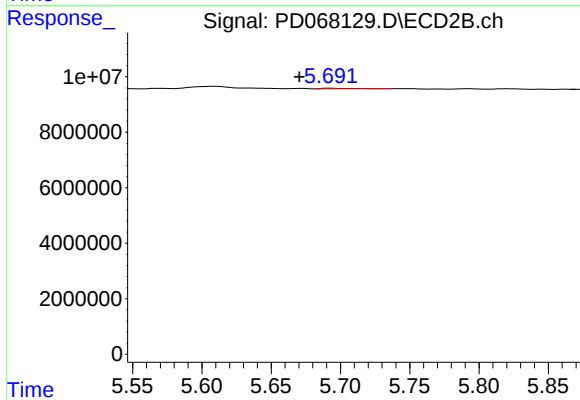
R.T.: 8.425 min  
Delta R.T.: 0.000 min  
Response: 2628182  
Conc: 0.52 ng/ml



#24 Chlordane-2

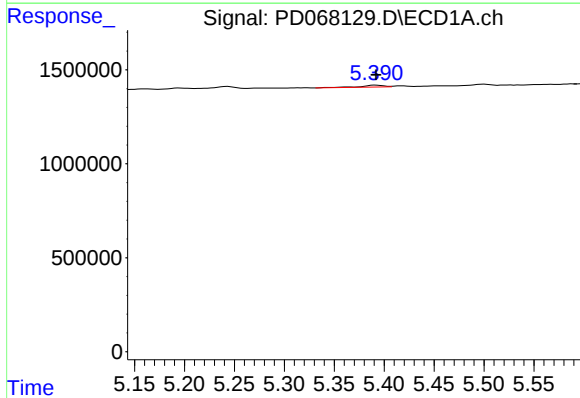
R.T.: 0.000 min  
Exp R.T.: 4.823 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



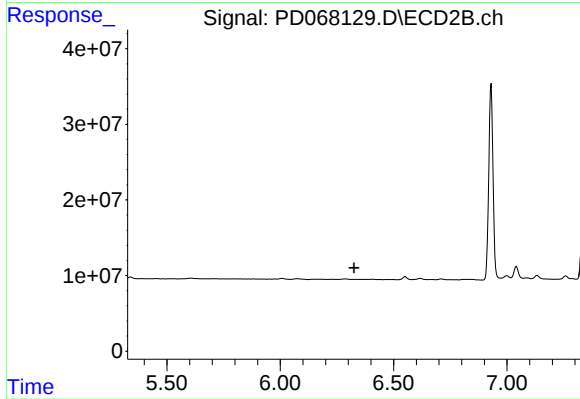
#24 Chlordane-2

R.T.: 5.693 min  
Delta R.T.: 0.022 min  
Response: 258598  
Conc: 0.63 ng/ml



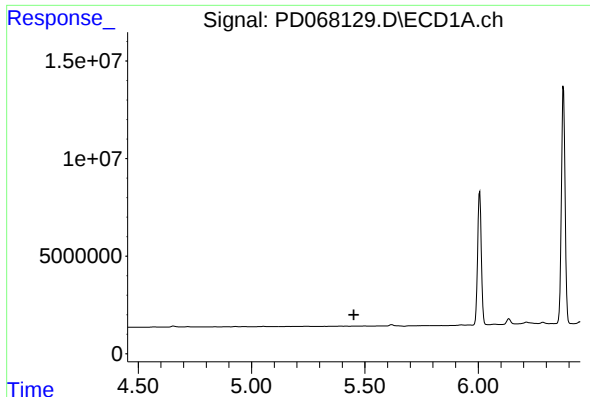
#25 Chlordane-3

R.T.: 5.392 min  
Delta R.T.: 0.000 min  
Response: 175996  
Conc: 0.84 ng/ml



#25 Chlordane-3

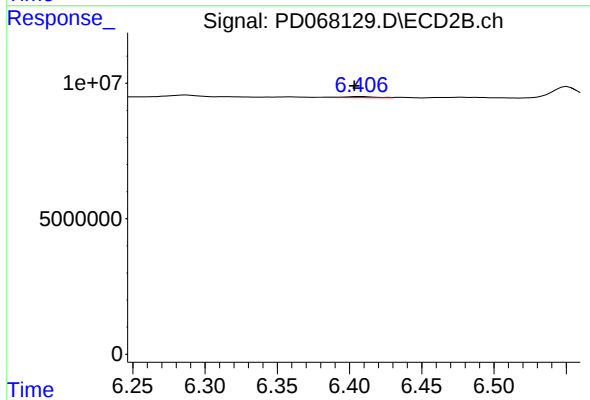
R.T.: 0.000 min  
Exp R.T.: 6.326 min  
Response: 0  
Conc: N.D.



#26 Chlordane-4

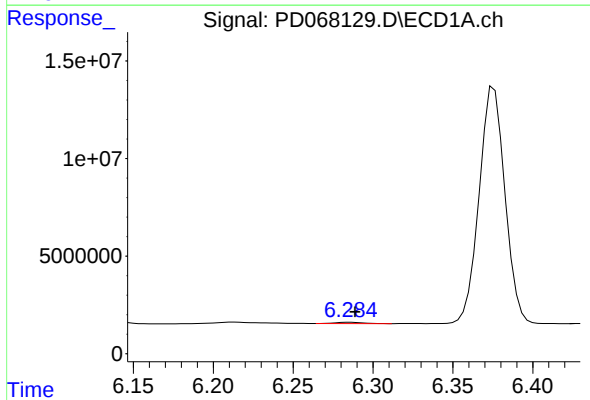
R.T.: 0.000 min  
Exp R.T.: 5.451 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



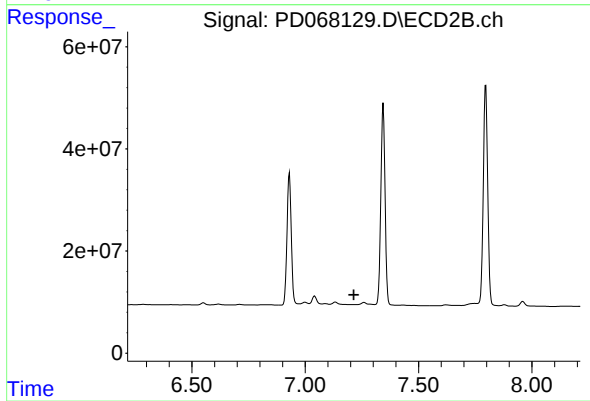
#26 Chlordane-4

R.T.: 6.408 min  
Delta R.T.: 0.004 min  
Response: 704755  
Conc: 0.42 ng/ml



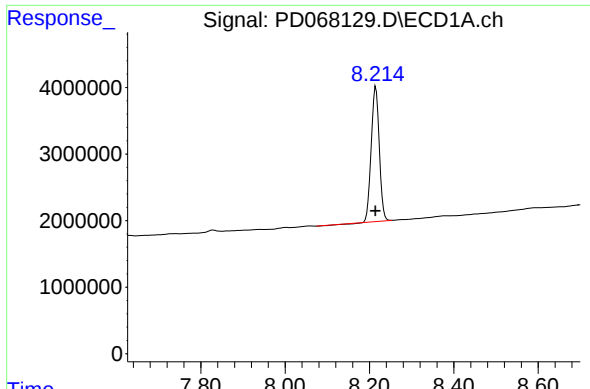
#27 Chlordane-5

R.T.: 6.286 min  
Delta R.T.: -0.003 min  
Response: 735502  
Conc: 11.14 ng/ml



#27 Chlordane-5

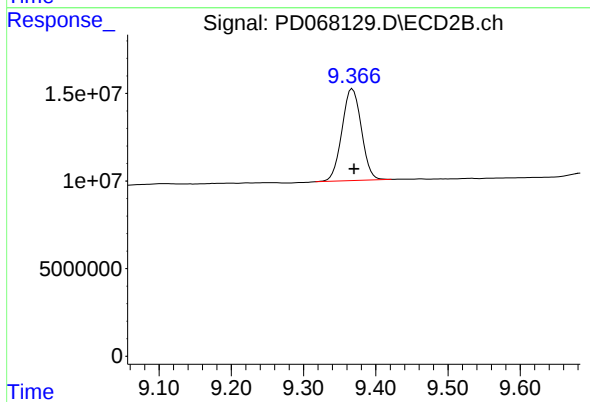
R.T.: 0.000 min  
Exp R.T.: 7.215 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.215 min  
Delta R.T.: 0.001 min  
Response: 27049642  
Conc: 18.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.368 min  
Delta R.T.: -0.002 min  
Response: 97501144  
Conc: 19.59 ng/ml