

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102123\  
 Data File : PD079021.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Oct 2023 11:46  
 Operator : AR\AJ  
 Sample : 04952-09MSD  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 20 22:25:30 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101723CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Oct 17 09:38:01 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

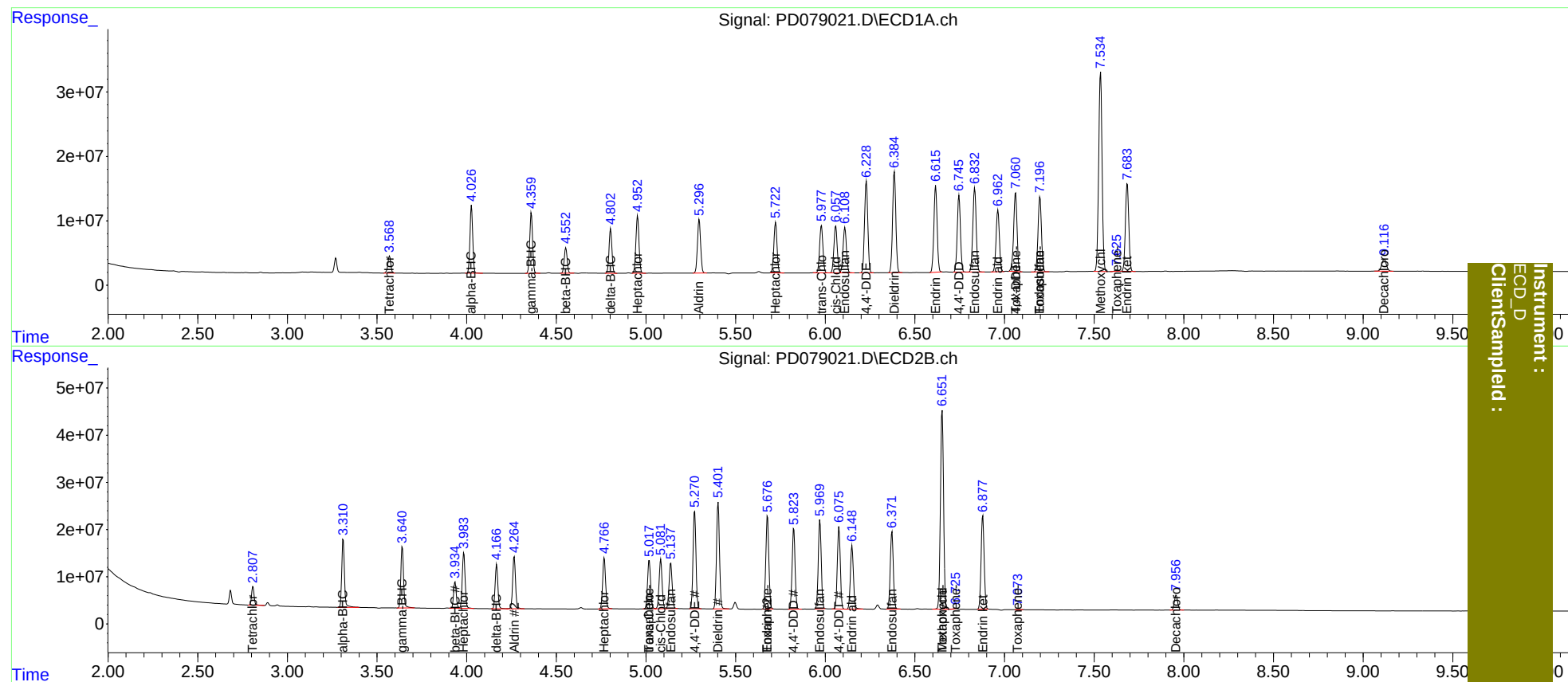
|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml    | ng/ml      |
|-----------------------------|-----------------|--------|--------|----------|----------|----------|------------|
| -----                       |                 |        |        |          |          |          |            |
| System Monitoring Compounds |                 |        |        |          |          |          |            |
| 1)                          | SA Tetrachlo... | 3.570  | 2.808  | 29852145 | 39489912 | 19.464   | 18.210     |
| 2)                          | SA Decachlor... | 9.118  | 7.957  | 33459978 | 40580318 | 17.641   | 17.399     |
| Target Compounds            |                 |        |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 4.027  | 3.311  | 112.9E6  | 149.6E6  | 43.329   | 43.881     |
| 3)                          | MA gamma-BHC... | 4.361  | 3.641  | 103.7E6  | 135.0E6  | 41.678   | 41.784     |
| 4)                          | MA Heptachlor   | 4.954  | 3.984  | 107.0E6  | 129.5E6  | 40.171   | 42.575     |
| 5)                          | MB Aldrin       | 5.297  | 4.265  | 102.1E6  | 122.7E6  | 41.285   | 39.840     |
| 6)                          | B beta-BHC      | 4.553  | 3.935  | 44696019 | 57020818 | 39.197   | 39.424     |
| 7)                          | B delta-BHC     | 4.803  | 4.167  | 77442654 | 98507770 | 29.517   | 30.038     |
| 8)                          | B Heptachlo...  | 5.723  | 4.768  | 96357875 | 123.7E6  | 40.124   | 42.864     |
| 9)                          | A Endosulfan I  | 6.110  | 5.138  | 91427403 | 114.8E6  | 42.678   | 45.194     |
| 10)                         | B trans-Chl...  | 5.979  | 5.018  | 93363116 | 119.9E6  | 42.148   | 43.296     |
| 11)                         | B cis-Chlor...  | 6.059  | 5.083  | 94034681 | 121.4E6  | 41.368   | 42.862     |
| 12)                         | B 4,4'-DDE      | 6.229  | 5.272  | 181.8E6  | 235.2E6  | 88.277   | 89.950     |
| 13)                         | MA Dieldrin     | 6.386  | 5.403  | 197.7E6  | 261.7E6  | 87.016   | 88.867     |
| 14)                         | MA Endrin       | 6.616  | 5.678  | 169.5E6  | 233.4E6  | 89.507   | 92.512     |
| 15)                         | B Endosulfa...  | 6.834  | 5.970  | 168.8E6  | 218.3E6  | 85.151   | 91.734     |
| 16)                         | A 4,4'-DDD      | 6.746  | 5.825  | 147.5E6  | 195.6E6  | 87.773   | 88.554     |
| 17)                         | MA 4,4'-DDT     | 7.062  | 6.077  | 161.6E6  | 201.6E6  | 90.247   | 89.497     |
| 18)                         | B Endrin al...  | 6.963  | 6.149  | 123.4E6  | 159.7E6  | 81.387   | 86.171     |
| 19)                         | B Endosulfa...  | 7.198  | 6.372  | 154.4E6  | 194.1E6  | 80.329   | 84.215     |
| 20)                         | A Methoxychlor  | 7.536  | 6.652  | 408.6E6  | 511.8E6  | 425.939  | 419.781    |
| 21)                         | B Endrin ke...  | 7.685  | 6.879  | 177.7E6  | 235.7E6  | 85.041   | 89.311     |
| 22)                         | Toxaphene-1     | 0.000  | 5.018  | 0        | 119.9E6  | N.D.     | 7764.923   |
| 23)                         | Toxaphene-2     | 0.000  | 5.678f | 0        | 233.4E6  | N.D.     | 14209.048  |
| 24)                         | Toxaphene-3     | 7.062f | 6.652  | 161.6E6  | 511.8E6  | 2798.817 | 9780.875 # |
| 25)                         | Toxaphene-4     | 7.198  | 6.727f | 154.4E6  | 857694   | 3579.949 | 11.942 #   |
| 26)                         | Toxaphene-5     | 7.626  | 7.074  | 2819322  | 476493   | 86.591   | 15.382 #   |
| -----                       |                 |        |        |          |          |          |            |

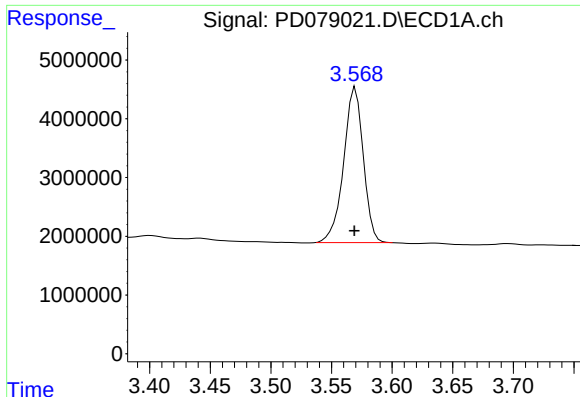
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD102123\  
Data File : PD079021.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 20 Oct 2023 11:46  
Operator : AR\AJ  
Sample : 04952-09MSD  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 20 22:25:30 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101723CLP.M  
Quant Title : GC Extractables  
QLast Update : Tue Oct 17 09:38:01 2023  
Response via : Initial Calibration  
Integrator: ChemStation

Volume Inj. : 1 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

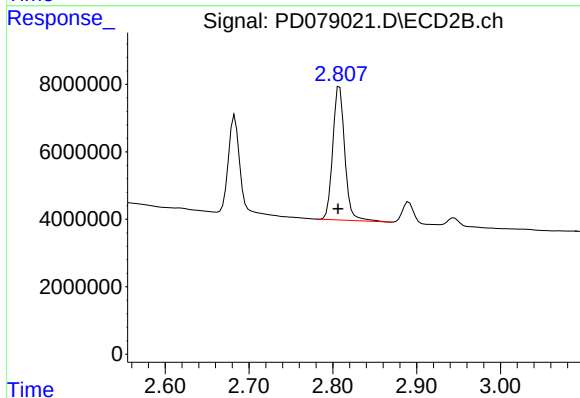




#1 Tetrachloro-m-xylene

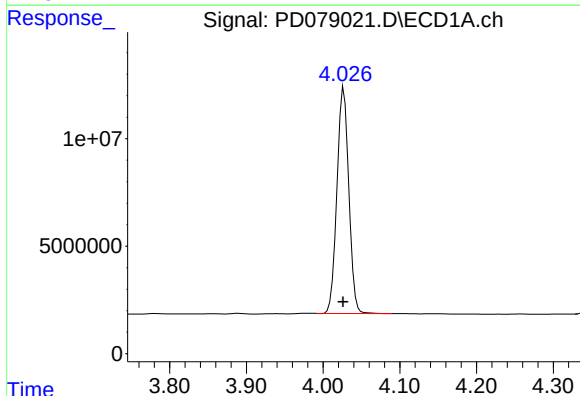
R.T.: 3.570 min  
Delta R.T.: 0.000 min  
Response: 29852145  
Conc: 19.46 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



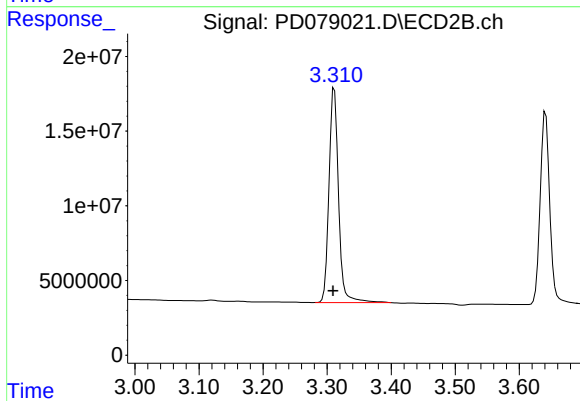
#1 Tetrachloro-m-xylene

R.T.: 2.808 min  
Delta R.T.: 0.002 min  
Response: 39489912  
Conc: 18.21 ng/ml



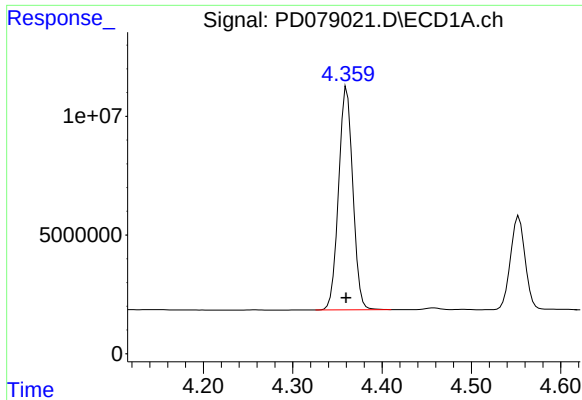
#2 alpha-BHC

R.T.: 4.027 min  
Delta R.T.: 0.000 min  
Response: 112893812  
Conc: 43.33 ng/ml



#2 alpha-BHC

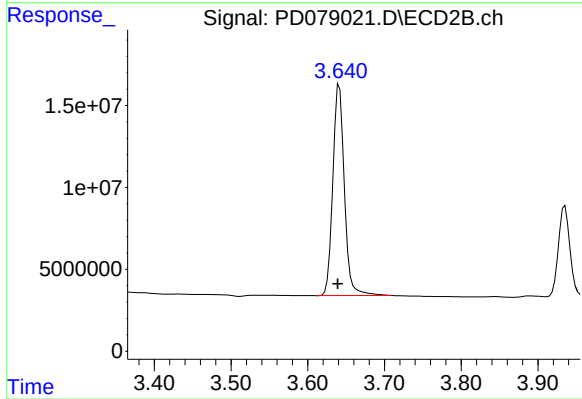
R.T.: 3.311 min  
Delta R.T.: 0.002 min  
Response: 149632241  
Conc: 43.88 ng/ml



#3 gamma-BHC (Lindane)

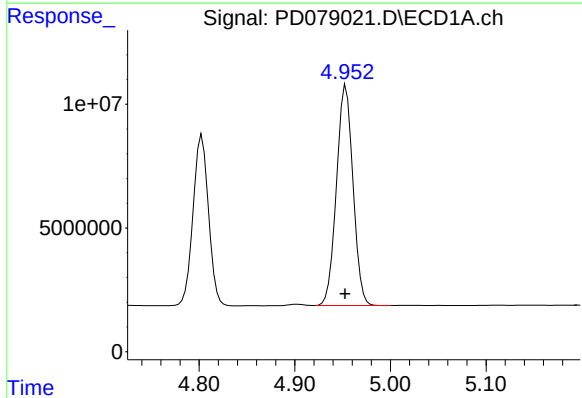
R.T.: 4.361 min  
Delta R.T.: 0.000 min  
Response: 103730393  
Conc: 41.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



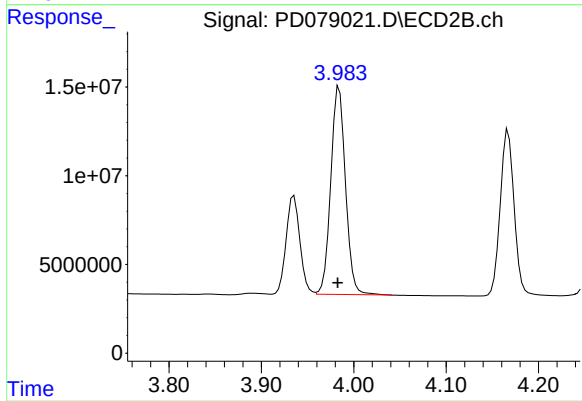
#3 gamma-BHC (Lindane)

R.T.: 3.641 min  
Delta R.T.: 0.002 min  
Response: 135049381  
Conc: 41.78 ng/ml



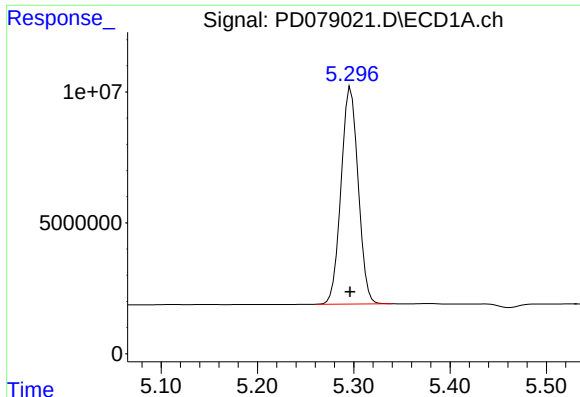
#4 Heptachlor

R.T.: 4.954 min  
Delta R.T.: 0.000 min  
Response: 107021778  
Conc: 40.17 ng/ml



#4 Heptachlor

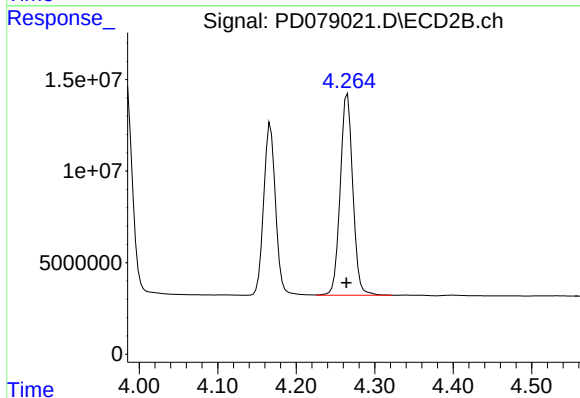
R.T.: 3.984 min  
Delta R.T.: 0.001 min  
Response: 129465753  
Conc: 42.57 ng/ml



#5 Aldrin

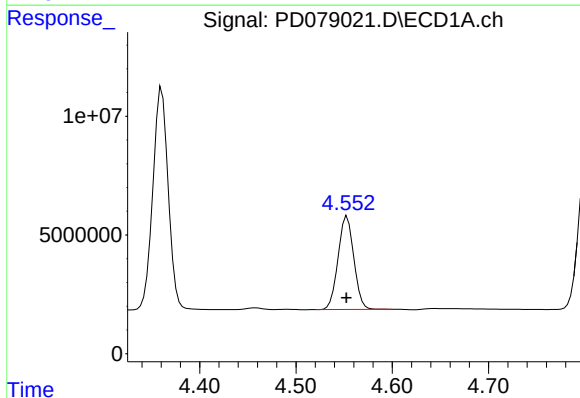
R.T.: 5.297 min  
Delta R.T.: 0.000 min  
Response: 102073007  
Conc: 41.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



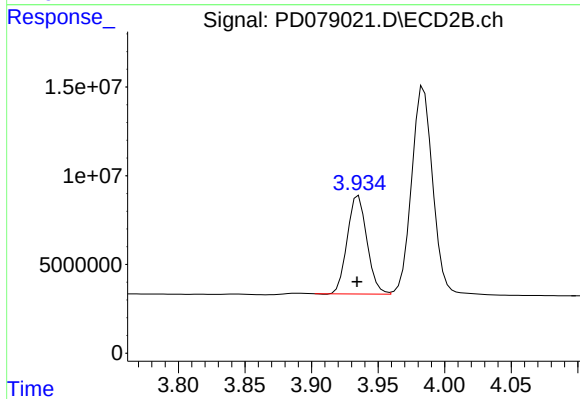
#5 Aldrin

R.T.: 4.265 min  
Delta R.T.: 0.001 min  
Response: 122741338  
Conc: 39.84 ng/ml



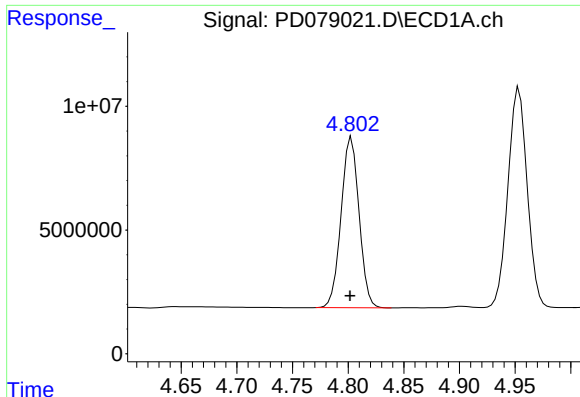
#6 beta-BHC

R.T.: 4.553 min  
Delta R.T.: 0.000 min  
Response: 44696019  
Conc: 39.20 ng/ml



#6 beta-BHC

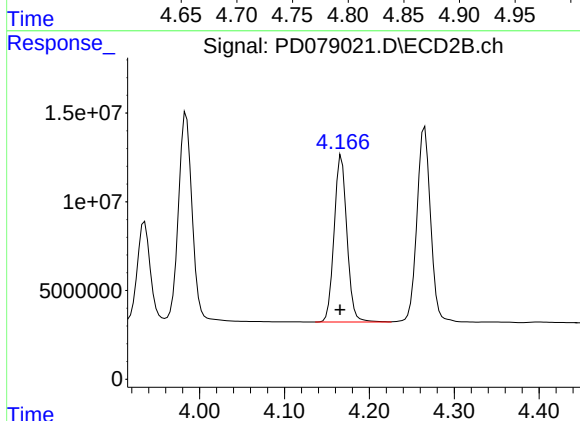
R.T.: 3.935 min  
Delta R.T.: 0.001 min  
Response: 57020818  
Conc: 39.42 ng/ml



#7 delta-BHC

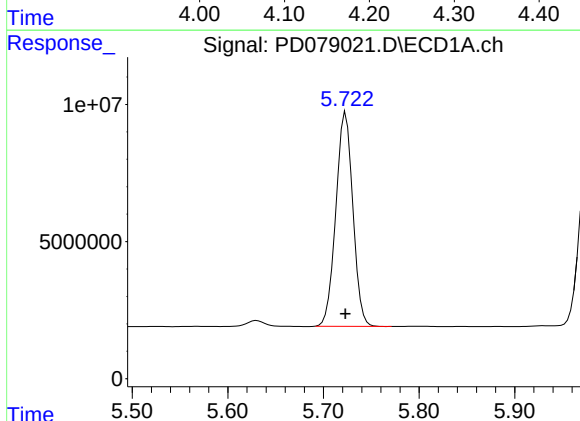
R.T.: 4.803 min  
Delta R.T.: 0.001 min  
Response: 77442654  
Conc: 29.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



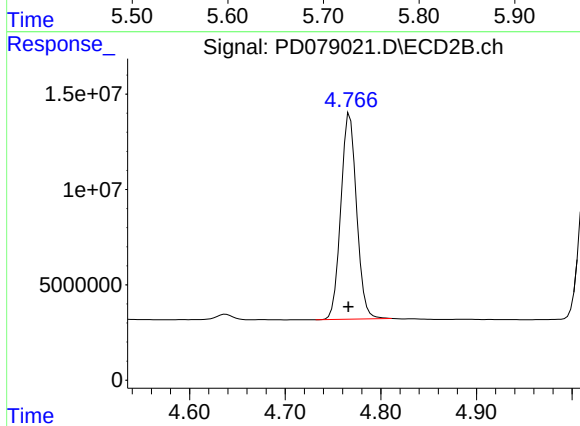
#7 delta-BHC

R.T.: 4.167 min  
Delta R.T.: 0.002 min  
Response: 98507770  
Conc: 30.04 ng/ml



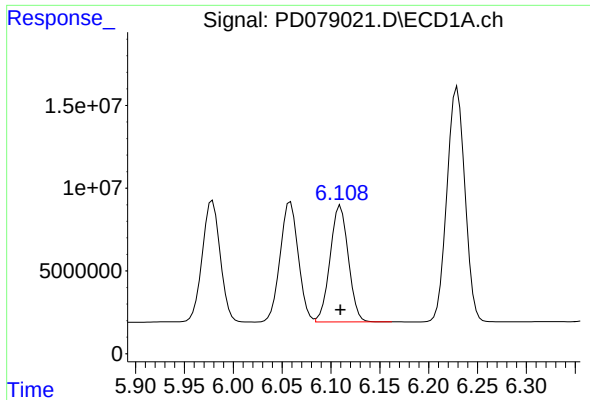
#8 Heptachlor epoxide

R.T.: 5.723 min  
Delta R.T.: 0.000 min  
Response: 96357875  
Conc: 40.12 ng/ml



#8 Heptachlor epoxide

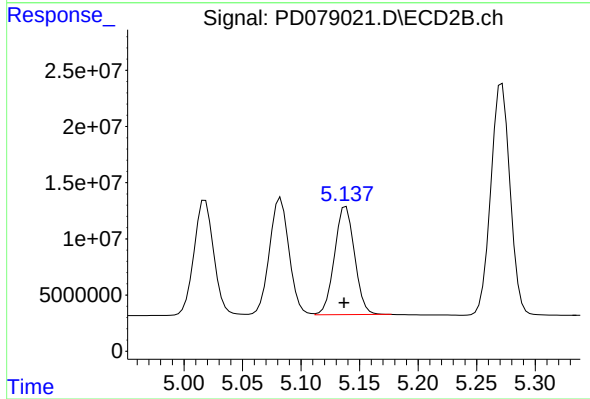
R.T.: 4.768 min  
Delta R.T.: 0.002 min  
Response: 123702088  
Conc: 42.86 ng/ml



#9 Endosulfan I

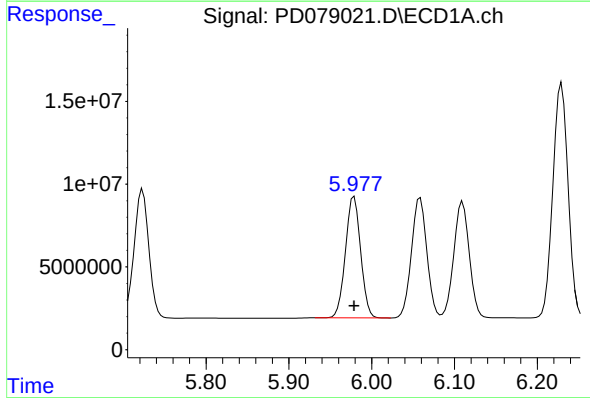
R.T.: 6.110 min  
Delta R.T.: 0.000 min  
Response: 91427403  
Conc: 42.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



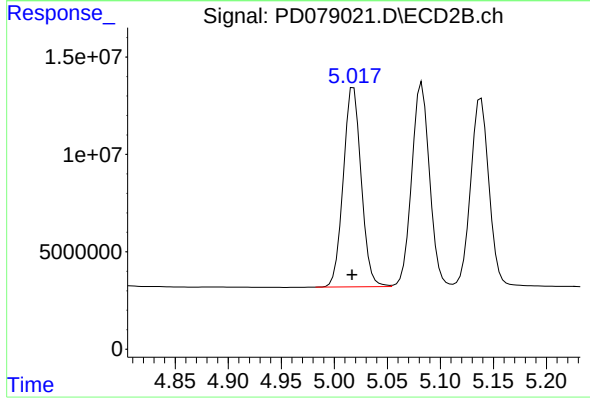
#9 Endosulfan I

R.T.: 5.138 min  
Delta R.T.: 0.002 min  
Response: 114769014  
Conc: 45.19 ng/ml



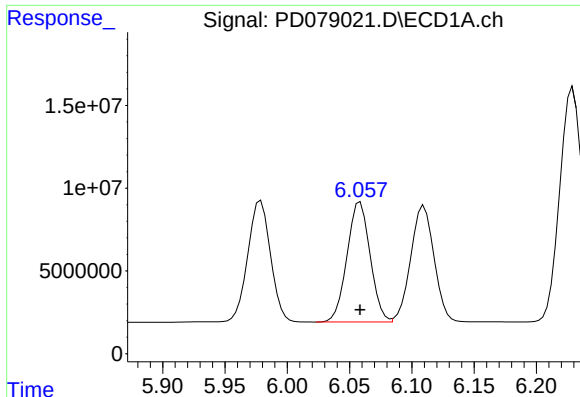
#10 trans-Chlordane

R.T.: 5.979 min  
Delta R.T.: 0.000 min  
Response: 93363116  
Conc: 42.15 ng/ml



#10 trans-Chlordane

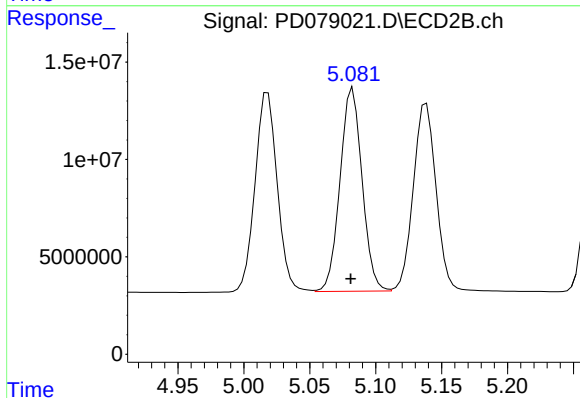
R.T.: 5.018 min  
Delta R.T.: 0.002 min  
Response: 119903937  
Conc: 43.30 ng/ml



#11 cis-Chlordane

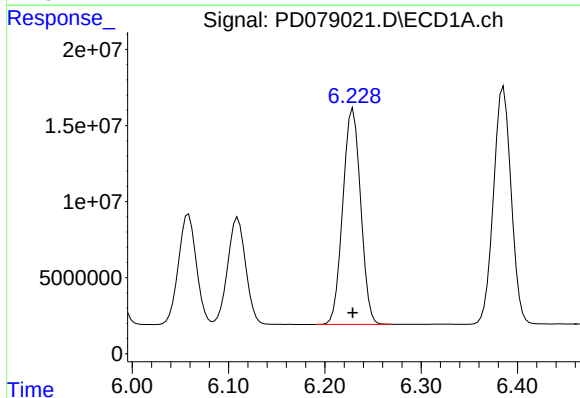
R.T.: 6.059 min  
Delta R.T.: 0.000 min  
Response: 94034681  
Conc: 41.37 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



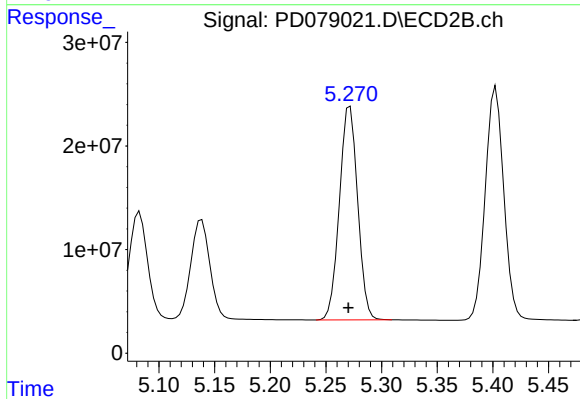
#11 cis-Chlordane

R.T.: 5.083 min  
Delta R.T.: 0.001 min  
Response: 121358105  
Conc: 42.86 ng/ml



#12 4,4'-DDE

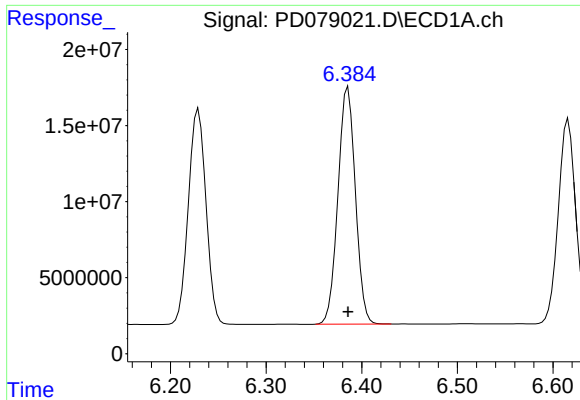
R.T.: 6.229 min  
Delta R.T.: 0.000 min  
Response: 181845277  
Conc: 88.28 ng/ml



#12 4,4'-DDE

R.T.: 5.272 min  
Delta R.T.: 0.001 min  
Response: 235219112  
Conc: 89.95 ng/ml

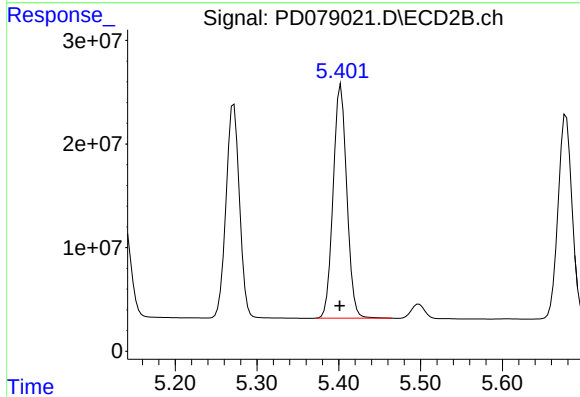




#13 Dieldrin

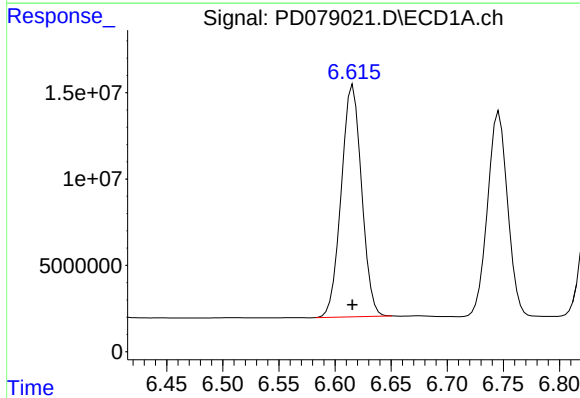
R.T.: 6.386 min  
Delta R.T.: 0.000 min  
Response: 197679415  
Conc: 87.02 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



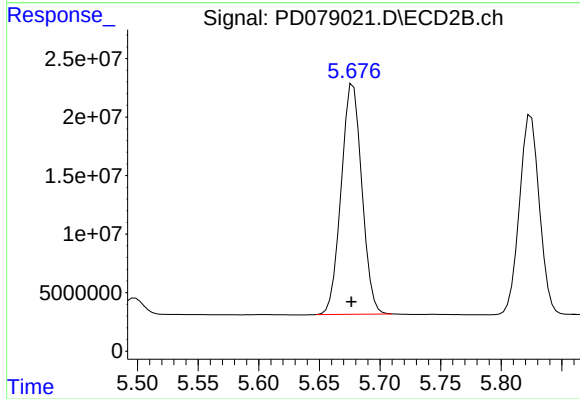
#13 Dieldrin

R.T.: 5.403 min  
Delta R.T.: 0.001 min  
Response: 261741884  
Conc: 88.87 ng/ml



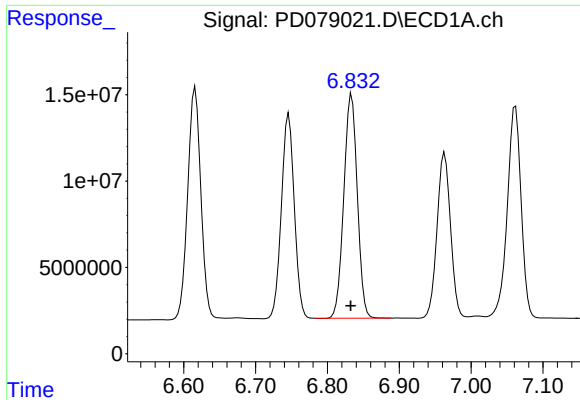
#14 Endrin

R.T.: 6.616 min  
Delta R.T.: 0.000 min  
Response: 169458480  
Conc: 89.51 ng/ml



#14 Endrin

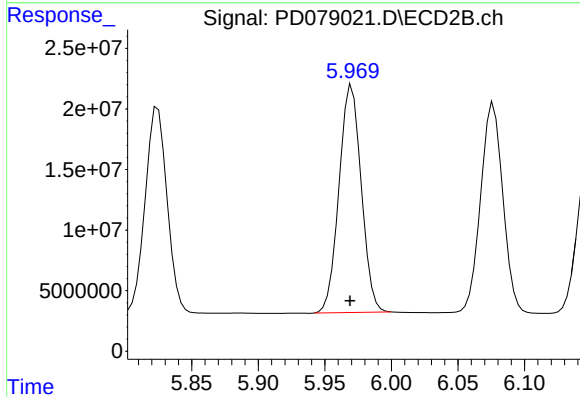
R.T.: 5.678 min  
Delta R.T.: 0.001 min  
Response: 233444318  
Conc: 92.51 ng/ml



#15 Endosulfan II

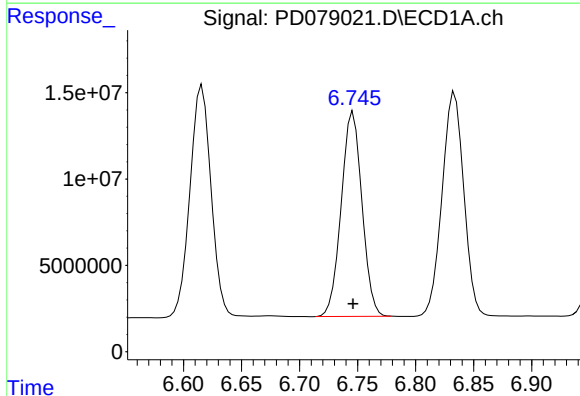
R.T.: 6.834 min  
Delta R.T.: 0.001 min  
Response: 168848801  
Conc: 85.15 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



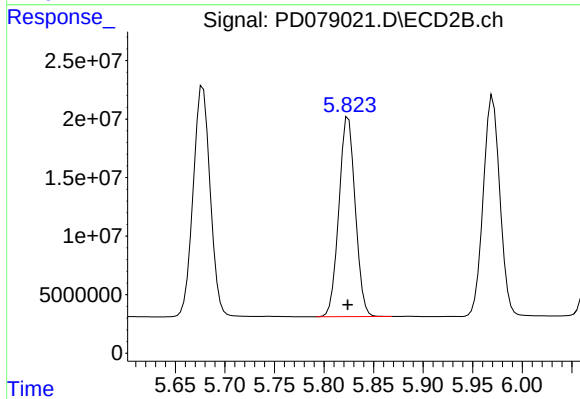
#15 Endosulfan II

R.T.: 5.970 min  
Delta R.T.: 0.001 min  
Response: 218275172  
Conc: 91.73 ng/ml



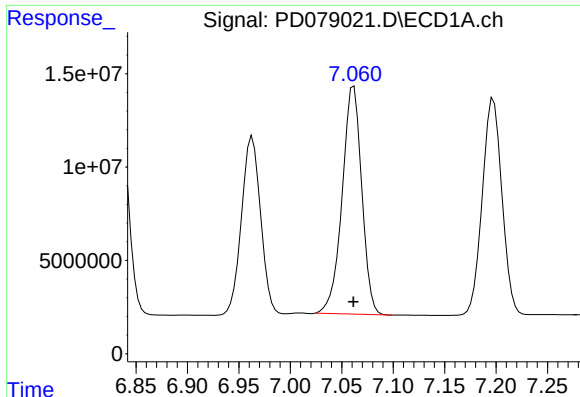
#16 4,4'-DDD

R.T.: 6.746 min  
Delta R.T.: 0.000 min  
Response: 147533629  
Conc: 87.77 ng/ml



#16 4,4'-DDD

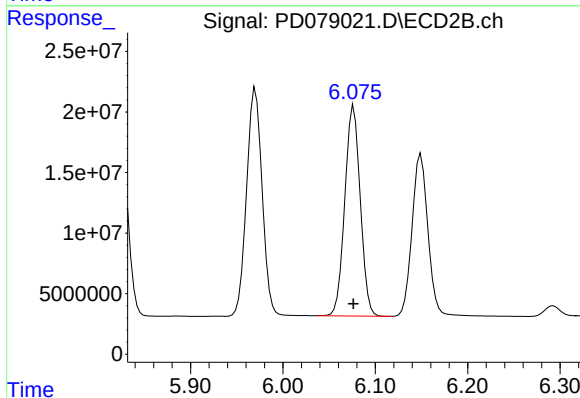
R.T.: 5.825 min  
Delta R.T.: 0.000 min  
Response: 195596129  
Conc: 88.55 ng/ml



#17 4,4'-DDT

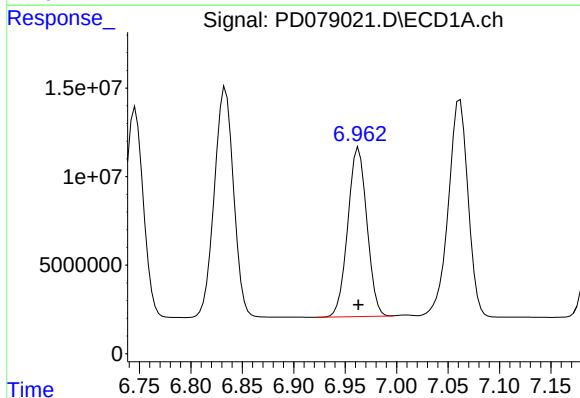
R.T.: 7.062 min  
Delta R.T.: 0.000 min  
Response: 161590610  
Conc: 90.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



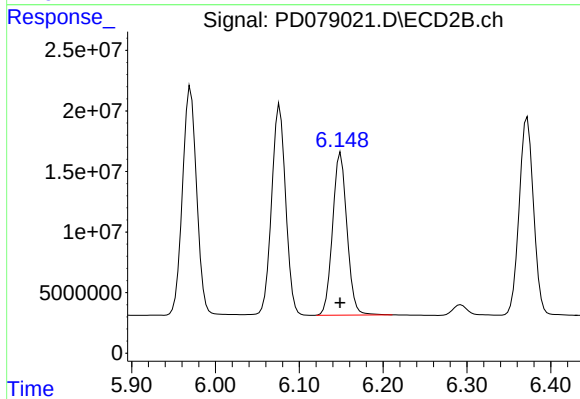
#17 4,4'-DDT

R.T.: 6.077 min  
Delta R.T.: 0.000 min  
Response: 201634238  
Conc: 89.50 ng/ml



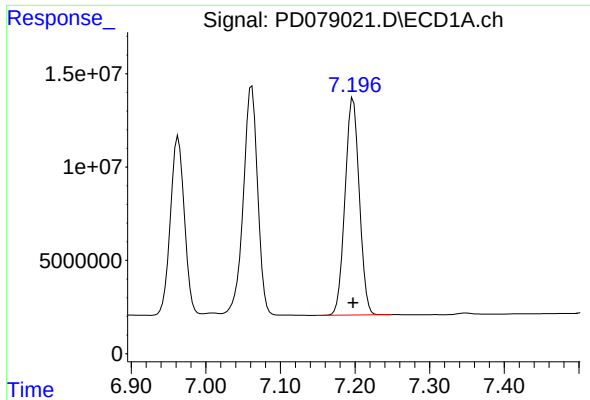
#18 Endrin aldehyde

R.T.: 6.963 min  
Delta R.T.: 0.000 min  
Response: 123442616  
Conc: 81.39 ng/ml



#18 Endrin aldehyde

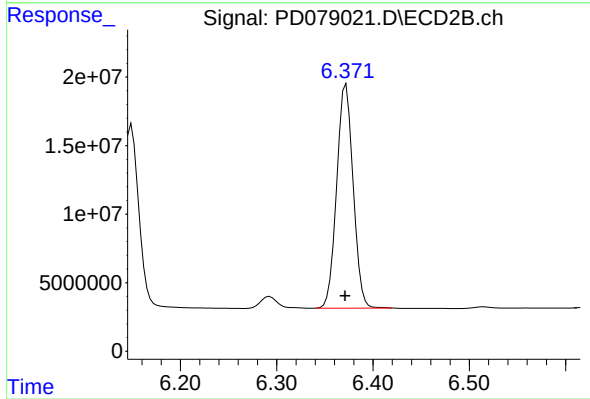
R.T.: 6.149 min  
Delta R.T.: 0.000 min  
Response: 159683628  
Conc: 86.17 ng/ml



#19 Endosulfan Sulfate

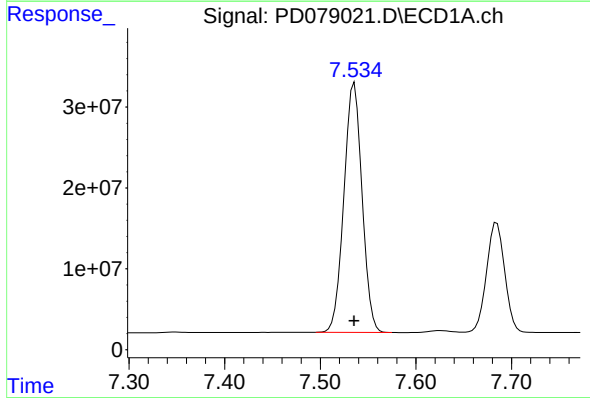
R.T.: 7.198 min  
Delta R.T.: 0.000 min  
Response: 154373800  
Conc: 80.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



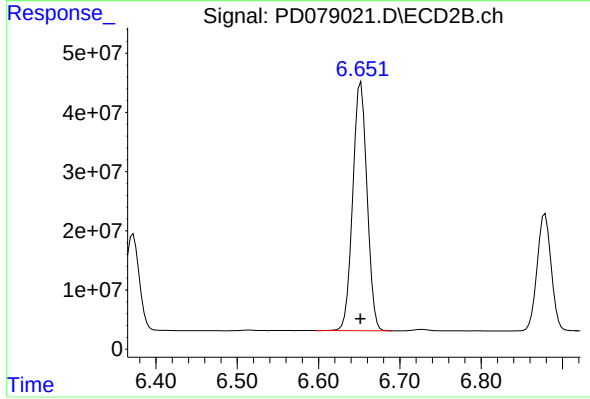
#19 Endosulfan Sulfate

R.T.: 6.372 min  
Delta R.T.: 0.001 min  
Response: 194094729  
Conc: 84.21 ng/ml



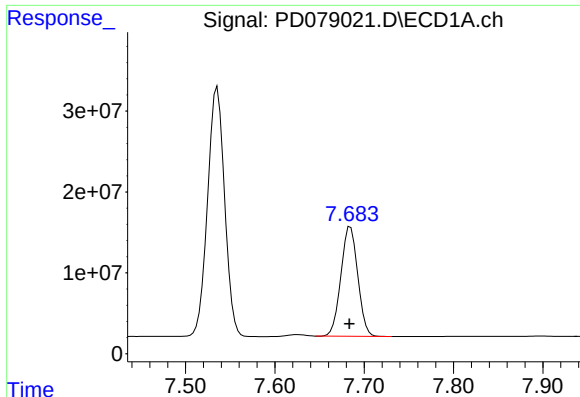
#20 Methoxychlor

R.T.: 7.536 min  
Delta R.T.: 0.000 min  
Response: 408602351  
Conc: 425.94 ng/ml



#20 Methoxychlor

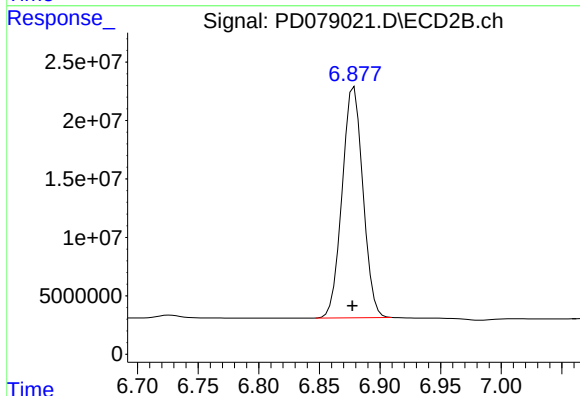
R.T.: 6.652 min  
Delta R.T.: 0.000 min  
Response: 511837473  
Conc: 419.78 ng/ml



#21 Endrin ketone

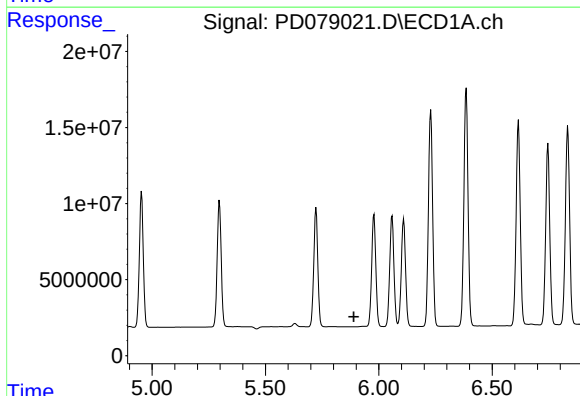
R.T.: 7.685 min  
Delta R.T.: 0.001 min  
Response: 177677515  
Conc: 85.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



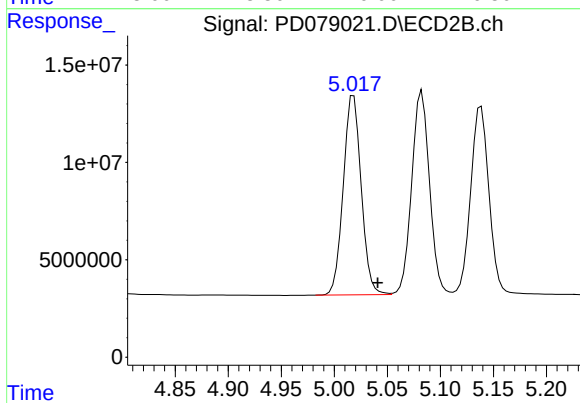
#21 Endrin ketone

R.T.: 6.879 min  
Delta R.T.: 0.002 min  
Response: 235704761  
Conc: 89.31 ng/ml



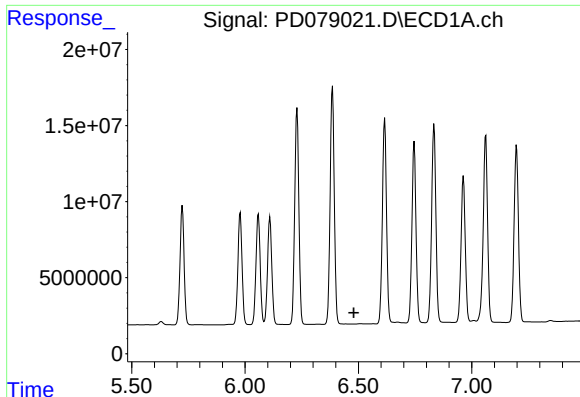
#22 Toxaphene-1

R.T.: 0.000 min  
Exp R.T. : 5.890 min  
Response: 0  
Conc: N.D.



#22 Toxaphene-1

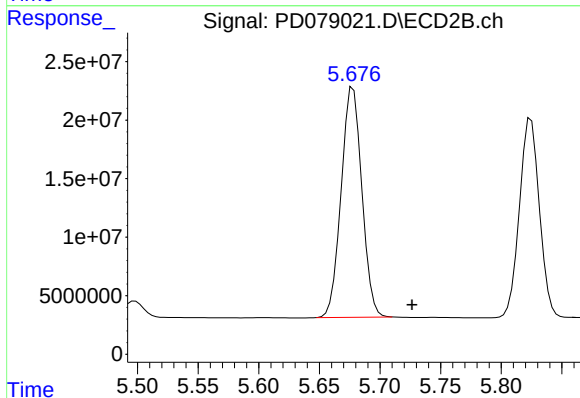
R.T.: 5.018 min  
Delta R.T.: -0.023 min  
Response: 119903937  
Conc: 7764.92 ng/ml



#23 Toxaphene-2

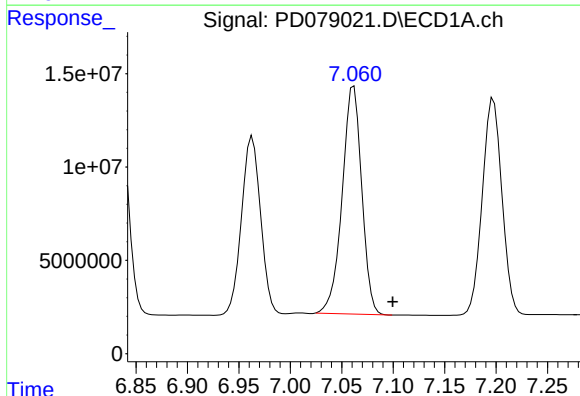
R.T.: 0.000 min  
Exp R.T.: 6.480 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



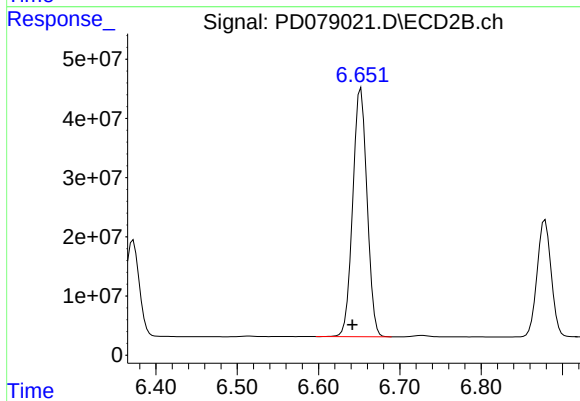
#23 Toxaphene-2

R.T.: 5.678 min  
Delta R.T.: -0.049 min  
Response: 233444318  
Conc: 14209.05 ng/ml



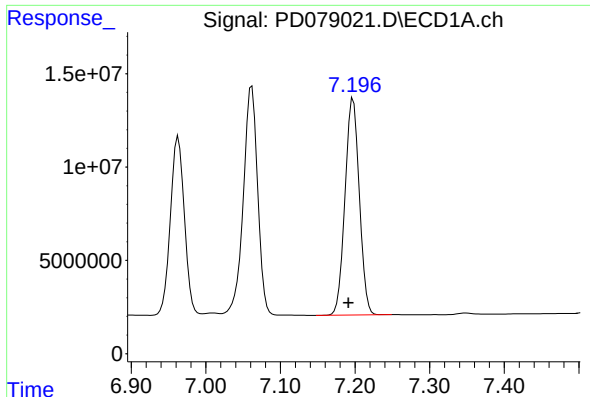
#24 Toxaphene-3

R.T.: 7.062 min  
Delta R.T.: -0.038 min  
Response: 161590610  
Conc: 2798.82 ng/ml



#24 Toxaphene-3

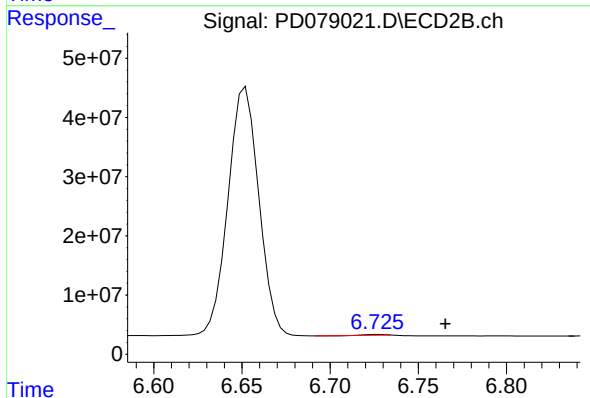
R.T.: 6.652 min  
Delta R.T.: 0.010 min  
Response: 511837473  
Conc: 9780.87 ng/ml



#25 Toxaphene-4

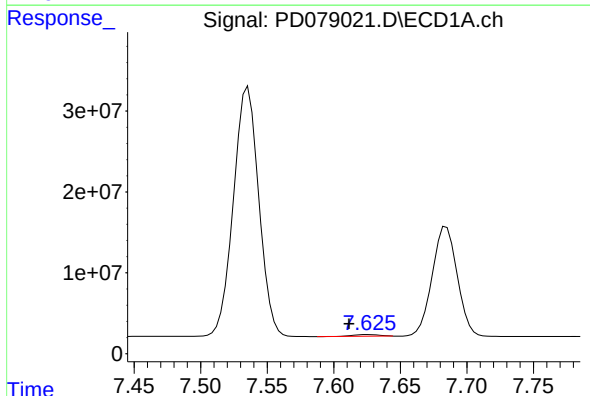
R.T.: 7.198 min  
Delta R.T.: 0.006 min  
Response: 154373800  
Conc: 3579.95 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



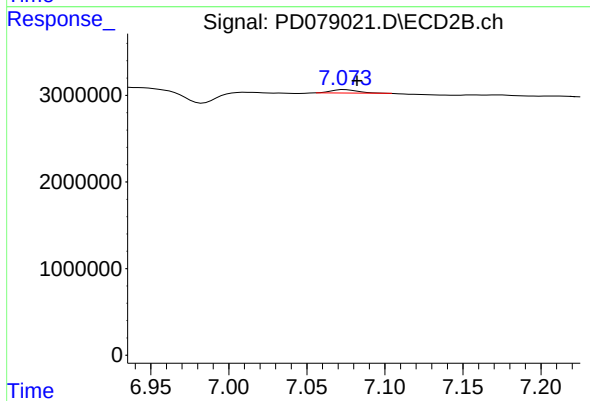
#25 Toxaphene-4

R.T.: 6.727 min  
Delta R.T.: -0.038 min  
Response: 857694  
Conc: 11.94 ng/ml



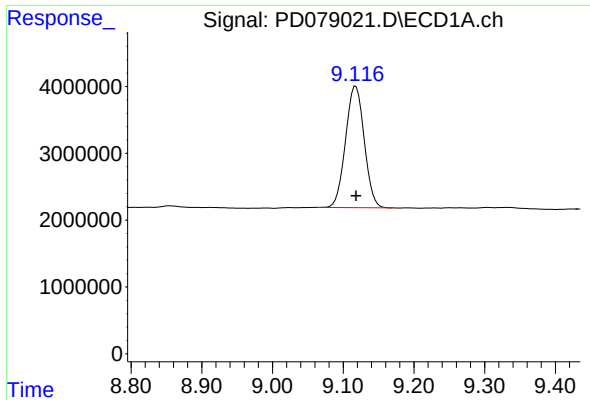
#26 Toxaphene-5

R.T.: 7.626 min  
Delta R.T.: 0.015 min  
Response: 2819322  
Conc: 86.59 ng/ml



#26 Toxaphene-5

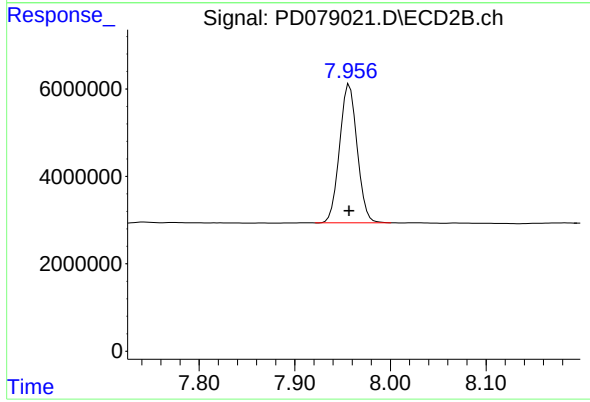
R.T.: 7.074 min  
Delta R.T.: -0.008 min  
Response: 476493  
Conc: 15.38 ng/ml



#27 Decachlorobiphenyl

R.T.: 9.118 min  
Delta R.T.: 0.000 min  
Response: 33459978  
Conc: 17.64 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#27 Decachlorobiphenyl

R.T.: 7.957 min  
Delta R.T.: 0.000 min  
Response: 40580318  
Conc: 17.40 ng/ml