

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030819\  
 Data File : PD051678.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 08 Mar 2019 21:46  
 Operator : AJ\SJ  
 Sample : K1657-04MSD  
 Misc :  
 ALS Vial : 34 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 DB648MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 09 03:21:40 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD022219CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Feb 22 04:35:08 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 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... | 3.224  | 4.044  | 22667020 | 356.5E6   | 15.774   | 11.539 #   |
| 27)                         | SA Decachlor... | 7.822  | 9.156  | 26499884 | 224.7E6   | 22.035   | 11.855 #   |
| Target Compounds            |                 |        |        |          |           |          |            |
| 2)                          | A alpha-BHC     | 0.000  | 4.471f | 0        | 3111.5E6  | N.D.     | 66.595     |
| 3)                          | MA gamma-BHC... | 3.912  | 4.723  | 135.5E6  | 1697.4E6  | 64.395   | 39.735 #   |
| 4)                          | MA Heptachlor   | 4.189  | 5.236  | 133.1E6  | 1764.3E6  | 61.181   | 41.242 #   |
| 5)                          | MB Aldrin       | 4.421  | 5.544  | 120.8E6  | 1637.4E6  | 56.253   | 41.370 #   |
| 6)                          | B beta-BHC      | 4.189f | 4.901  | 133.1E6  | 22254188  | 139.167  | 1.122 #    |
| 7)                          | B delta-BHC     | 0.000  | 5.081f | 0        | 12717815  | N.D.     | 0.312      |
| 8)                          | B Heptachlor... | 4.910f | 5.902  | 17924026 | 62412078  | 8.503    | 1.743 #    |
| 9)                          | A Endosulfan I  | 5.194  | 6.326  | 8652318  | -7965321  | 4.234    | N.D. #     |
| 10)                         | B trans-Chl...  | 0.000  | 6.153  | 0        | 531.5E6   | N.D.     | 14.712     |
| 11)                         | B cis-Chlor...  | 5.194f | 6.243  | 8652318  | 22942318  | 4.048    | 0.663 #    |
| 12)                         | B 4,4'-DDE      | 5.294  | 6.392  | 4501768  | 94281595  | 2.092    | 2.886 #    |
| 13)                         | MA Dieldrin     | 5.406  | 6.549  | 588.3E6  | 5904.7E6  | 254.170  | 177.379 #  |
| 14)                         | MA Endrin       | 5.653  | 6.768  | 226.2E6  | 2174.0E6  | 111.029  | 82.253 #   |
| 15)                         | B Endosulfa...  | 0.000  | 6.966  | 0        | 12613360  | N.D.     | 0.460      |
| 16)                         | A 4,4'-DDD      | 5.789  | 6.886  | 3742664  | 155.3E6   | 2.128    | 5.932 #    |
| 17)                         | MA 4,4'-DDT     | 6.024  | 7.188  | 184.5E6  | 1932.4E6  | 101.308  | 83.786     |
| 18)                         | B Endrin al...  | 6.024f | 7.100  | 184.5E6  | 71920831  | 112.504  | 3.200 #    |
| 19)                         | B Endosulfa...  | 6.298  | 7.323  | 2912197  | 30804129  | 1.577    | 1.213      |
| 20)                         | A Methoxychlor  | 6.582  | 7.609f | 36995050 | -28445951 | 40.060   | N.D. #     |
| 21)                         | B Endrin ke...  | 6.771  | 7.798  | 6265636  | 73433402  | 3.085    | 3.077      |
| 22)                         | Toxaphene-1     | 0.000  | 6.475  | 0        | 47164923  | N.D.     | 313.861    |
| 23)                         | Toxaphene-2     | 5.653  | 6.621  | 226.2E6  | 57613385  | 9887.220 | 198.824 #  |
| 24)                         | Toxaphene-3     | 6.024  | 7.188  | 184.5E6  | 1932.4E6  | 4848.872 | 7949.361 # |
| 25)                         | Toxaphene-4     | 6.165  | 7.188  | 4091857  | 1932.4E6  | 105.978  | 2877.374 # |
| 26)                         | Toxaphene-5     | 6.718  | 7.706  | 18467427 | 143.9E6   | 423.238  | 499.885    |
| -----                       |                 |        |        |          |           |          |            |

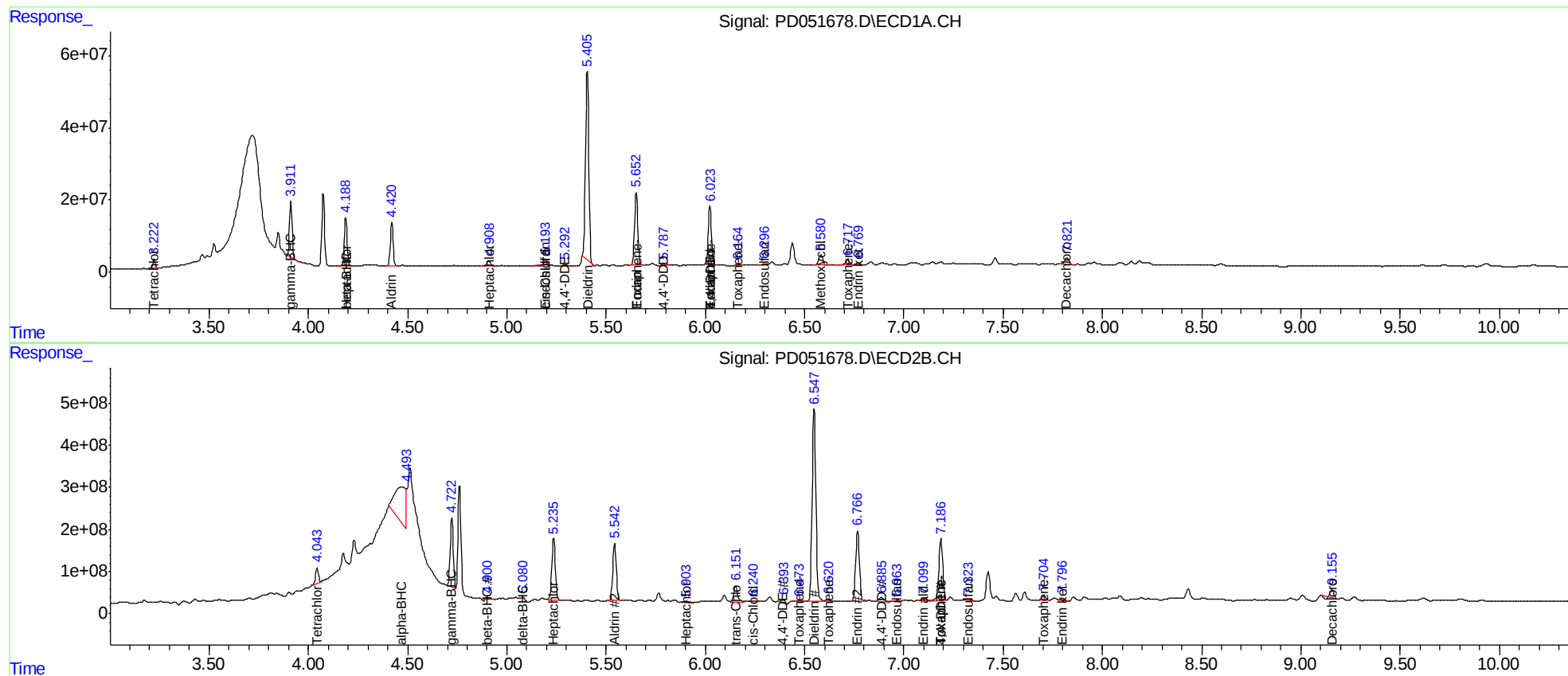
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

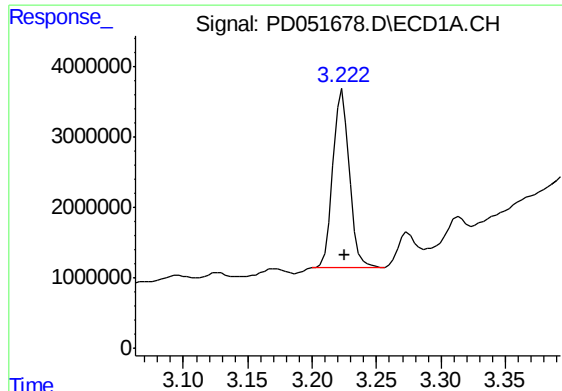
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030819\  
Data File : PD051678.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 08 Mar 2019 21:46  
Operator : AJ\SJ  
Sample : K1657-04MSD  
Misc :  
ALS Vial : 34 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 09 03:21:40 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD022219CLP.M  
Quant Title : GC Extractables  
QLast Update : Fri Feb 22 04:35:08 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 1 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

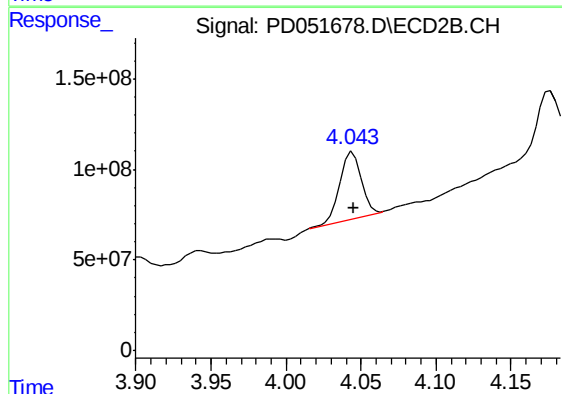




#1 Tetrachloro-m-xylene

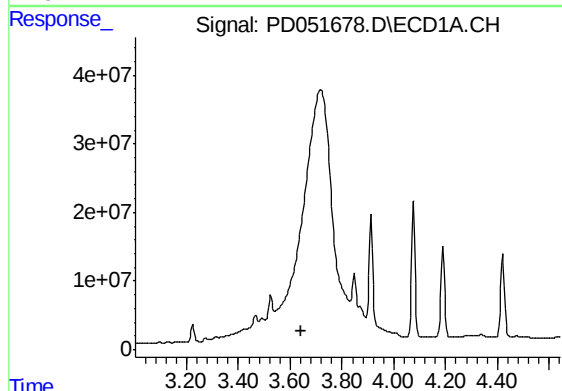
R.T.: 3.224 min  
Delta R.T.: -0.001 min  
Response: 22667020  
Conc: 15.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



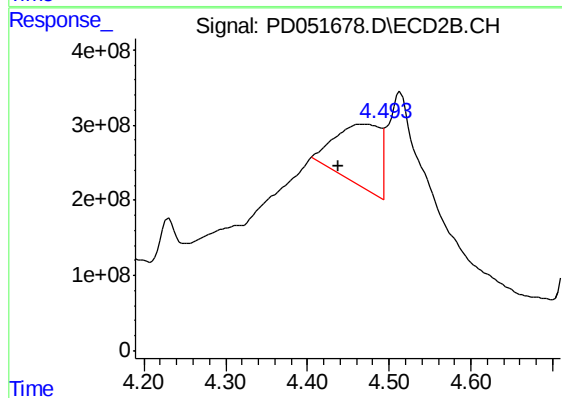
#1 Tetrachloro-m-xylene

R.T.: 4.044 min  
Delta R.T.: 0.000 min  
Response: 356495091  
Conc: 11.54 ng/ml



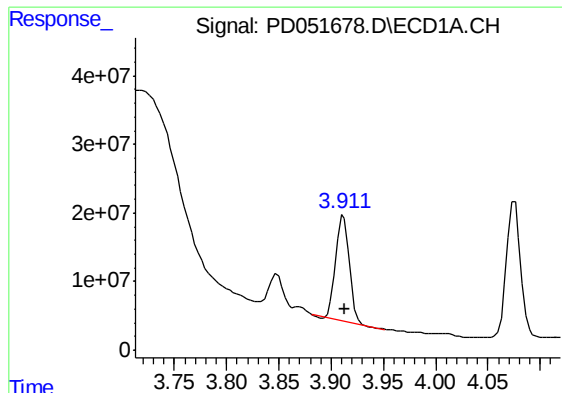
#2 alpha-BHC

R.T.: 0.000 min  
Exp R.T. : 3.645 min  
Response: 0  
Conc: N.D.



#2 alpha-BHC

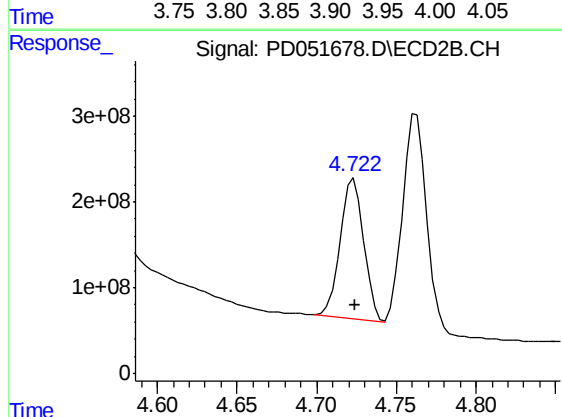
R.T.: 4.471 min  
Delta R.T.: 0.033 min  
Response: 3111521582  
Conc: 66.60 ng/ml



#3 gamma-BHC (Lindane)

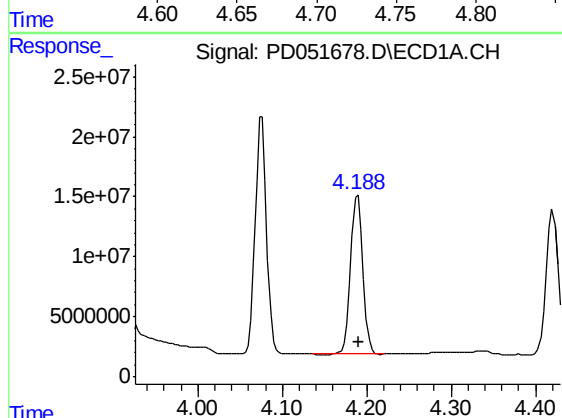
R.T.: 3.912 min  
Delta R.T.: -0.001 min  
Response: 135549007  
Conc: 64.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



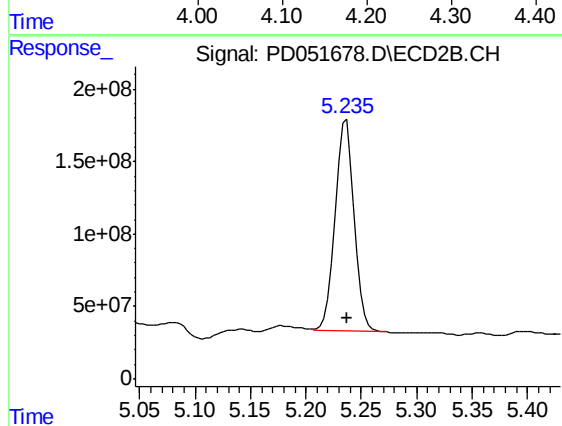
#3 gamma-BHC (Lindane)

R.T.: 4.723 min  
Delta R.T.: 0.000 min  
Response: 1697444917  
Conc: 39.73 ng/ml



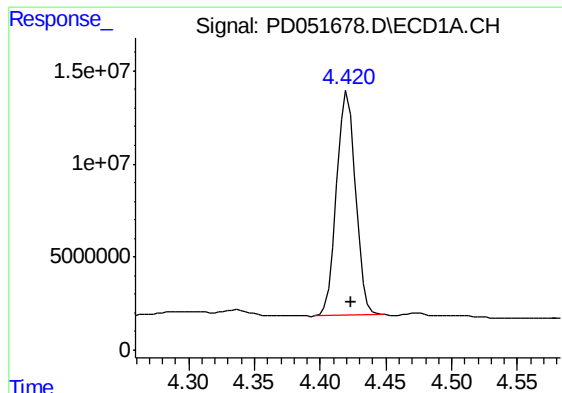
#4 Heptachlor

R.T.: 4.189 min  
Delta R.T.: -0.002 min  
Response: 133058463  
Conc: 61.18 ng/ml



#4 Heptachlor

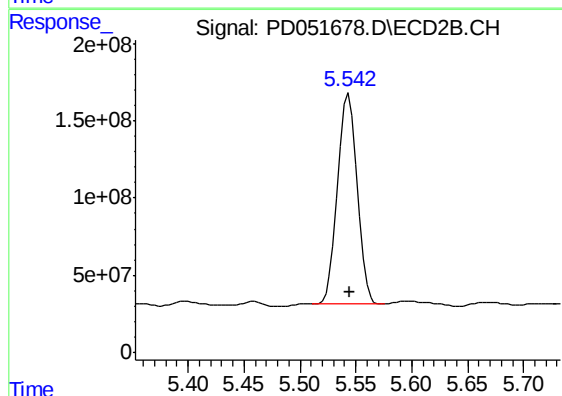
R.T.: 5.236 min  
Delta R.T.: -0.001 min  
Response: 1764285764  
Conc: 41.24 ng/ml



#5 Aldrin

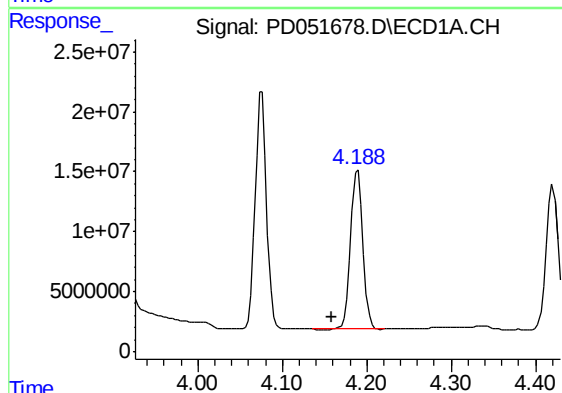
R.T.: 4.421 min  
Delta R.T.: -0.002 min  
Response: 120760523  
Conc: 56.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



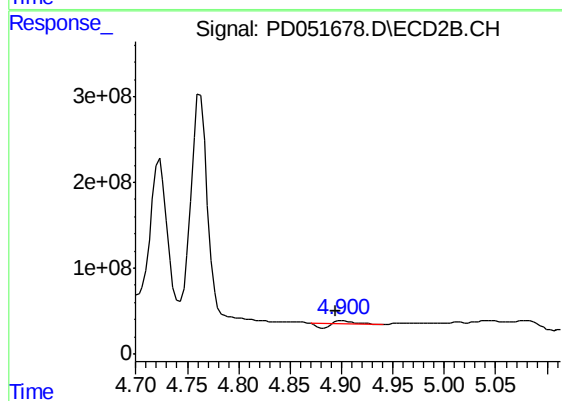
#5 Aldrin

R.T.: 5.544 min  
Delta R.T.: -0.001 min  
Response: 1637418680  
Conc: 41.37 ng/ml



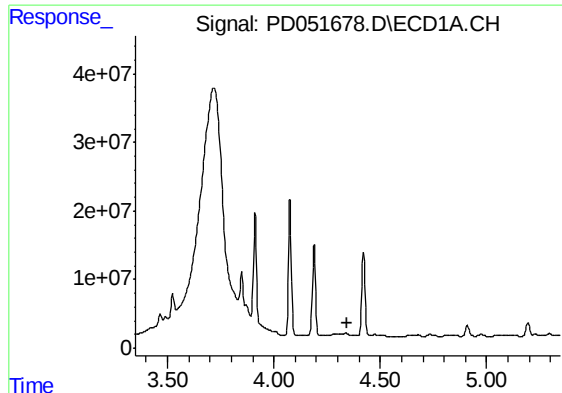
#6 beta-BHC

R.T.: 4.189 min  
Delta R.T.: 0.030 min  
Response: 133058463  
Conc: 139.17 ng/ml



#6 beta-BHC

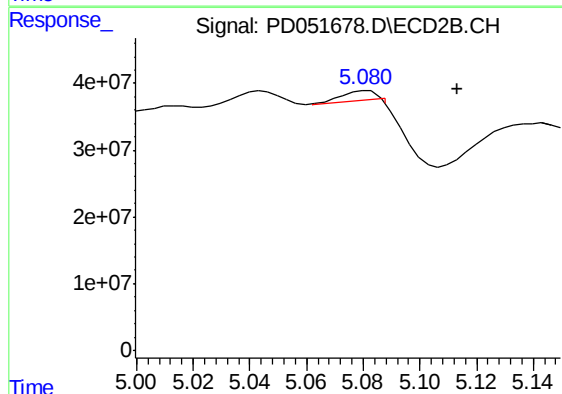
R.T.: 4.901 min  
Delta R.T.: 0.007 min  
Response: 22254188  
Conc: 1.12 ng/ml



#7 delta-BHC

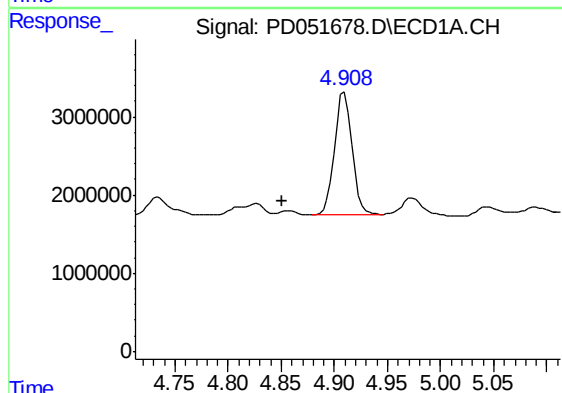
R.T.: 0.000 min  
Exp R.T.: 4.348 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



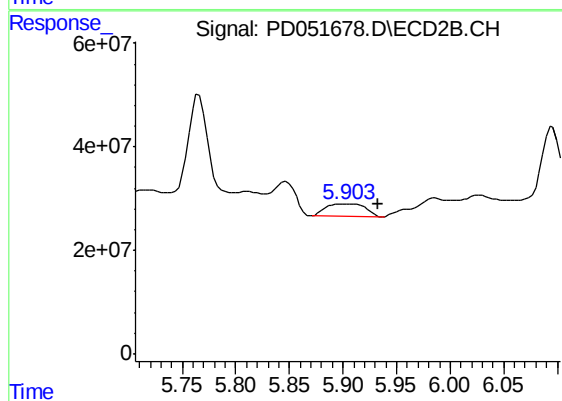
#7 delta-BHC

R.T.: 5.081 min  
Delta R.T.: -0.032 min  
Response: 12717815  
Conc: 0.31 ng/ml



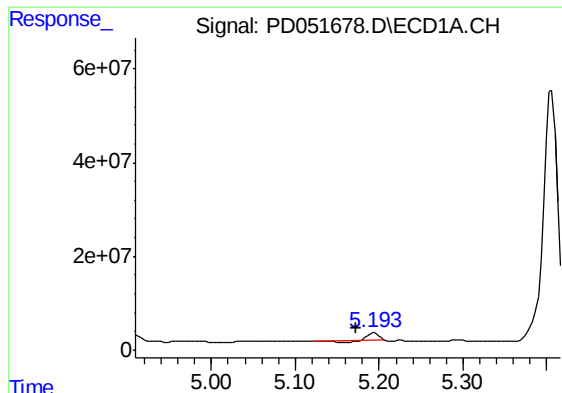
#8 Heptachlor epoxide

R.T.: 4.910 min  
Delta R.T.: 0.059 min  
Response: 17924026  
Conc: 8.50 ng/ml



#8 Heptachlor epoxide

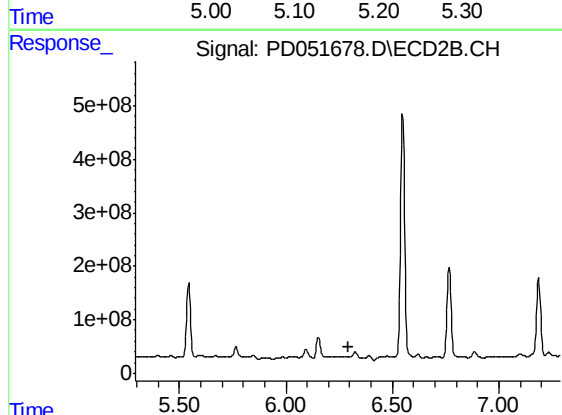
R.T.: 5.902 min  
Delta R.T.: -0.031 min  
Response: 62412078  
Conc: 1.74 ng/ml



#9 Endosulfan I

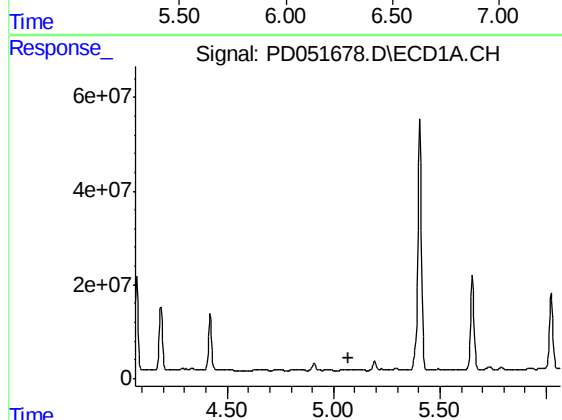
R.T.: 5.194 min  
Delta R.T.: 0.022 min  
Response: 8652318  
Conc: 4.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



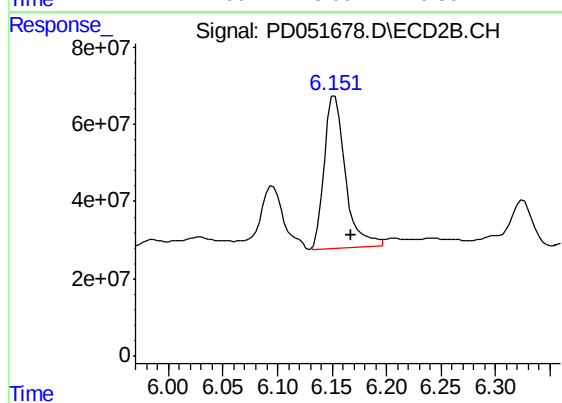
#9 Endosulfan I

R.T.: 6.326 min  
Delta R.T.: 0.034 min  
Response: -7965321  
Conc: N.D.



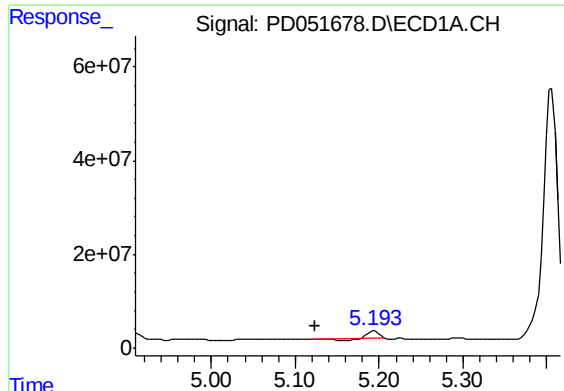
#10 trans-Chlordane

R.T.: 0.000 min  
Exp R.T.: 5.068 min  
Response: 0  
Conc: N.D.



#10 trans-Chlordane

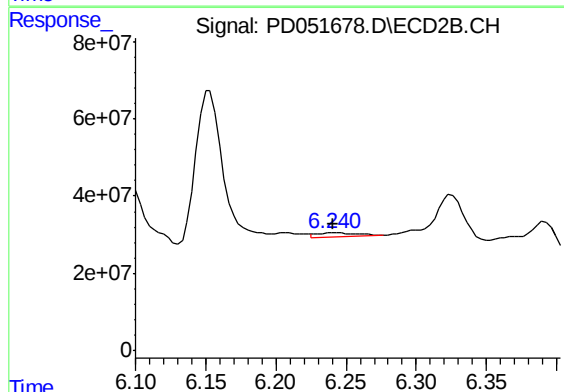
R.T.: 6.153 min  
Delta R.T.: -0.015 min  
Response: 531491993  
Conc: 14.71 ng/ml



#11 cis-Chlordane

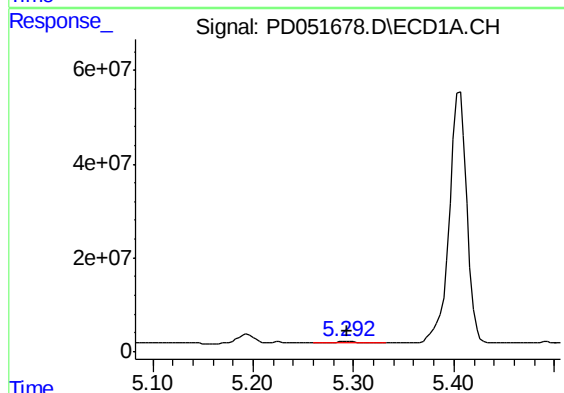
R.T.: 5.194 min  
Delta R.T.: 0.070 min  
Response: 8652318  
Conc: 4.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



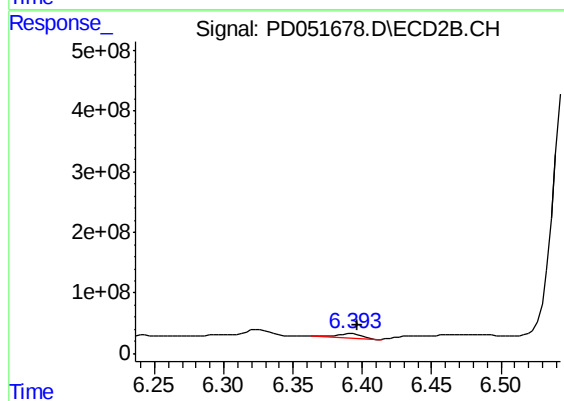
#11 cis-Chlordane

R.T.: 6.243 min  
Delta R.T.: 0.002 min  
Response: 22942318  
Conc: 0.66 ng/ml



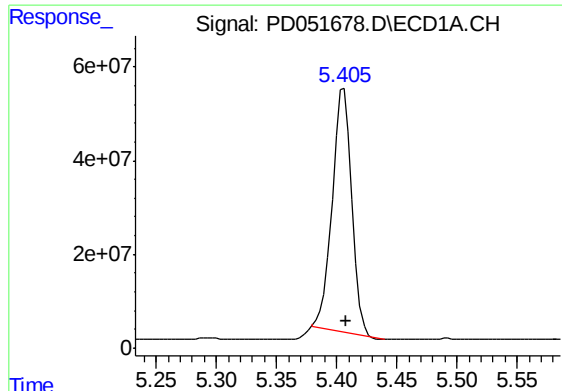
#12 4,4'-DDE

R.T.: 5.294 min  
Delta R.T.: 0.000 min  
Response: 4501768  
Conc: 2.09 ng/ml



#12 4,4'-DDE

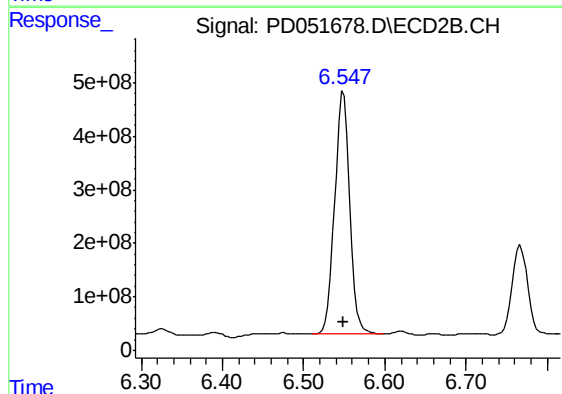
R.T.: 6.392 min  
Delta R.T.: -0.004 min  
Response: 94281595  
Conc: 2.89 ng/ml



#13 Dielddrin

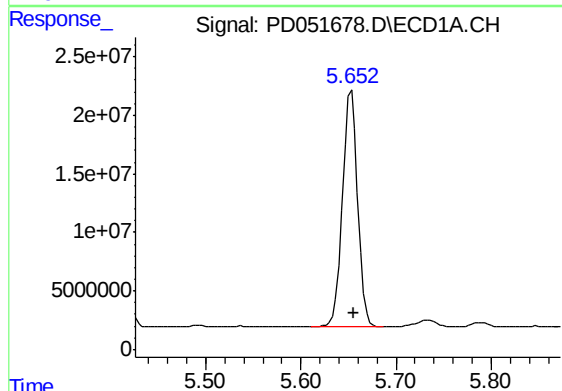
R.T.: 5.406 min  
Delta R.T.: -0.002 min  
Response: 588341186  
Conc: 254.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



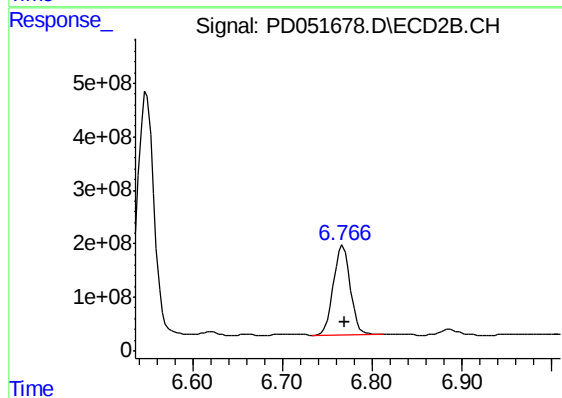
#13 Dielddrin

R.T.: 6.549 min  
Delta R.T.: 0.000 min  
Response: 5904653411  
Conc: 177.38 ng/ml



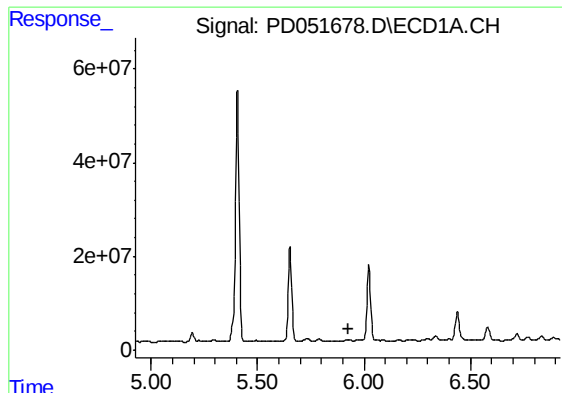
#14 Endrin

R.T.: 5.653 min  
Delta R.T.: -0.002 min  
Response: 226177444  
Conc: 111.03 ng/ml



#14 Endrin

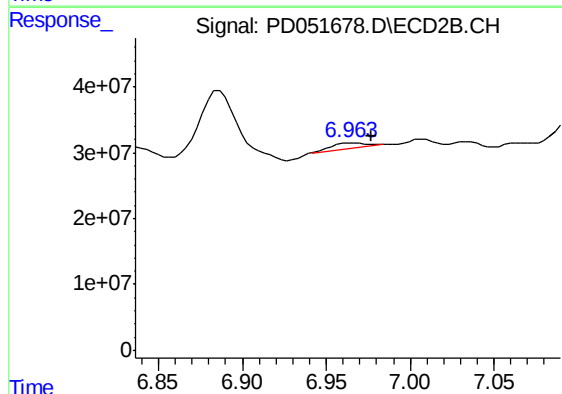
R.T.: 6.768 min  
Delta R.T.: -0.001 min  
Response: 2174049642  
Conc: 82.25 ng/ml



#15 Endosulfan II

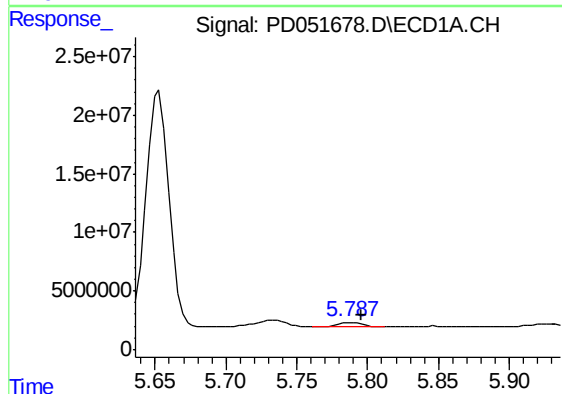
R.T.: 0.000 min  
Exp R.T.: 5.925 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



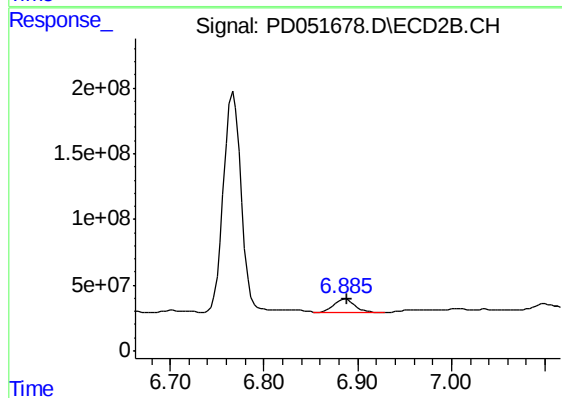
#15 Endosulfan II

R.T.: 6.966 min  
Delta R.T.: -0.011 min  
Response: 12613360  
Conc: 0.46 ng/ml



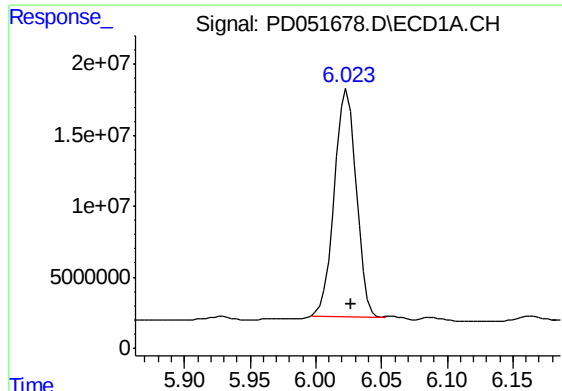
#16 4,4'-DDD

R.T.: 5.789 min  
Delta R.T.: -0.007 min  
Response: 3742664  
Conc: 2.13 ng/ml



#16 4,4'-DDD

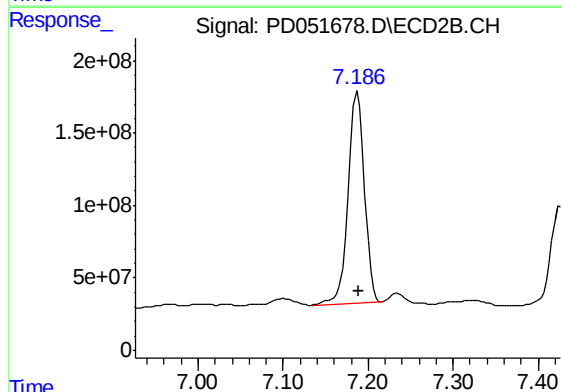
R.T.: 6.886 min  
Delta R.T.: -0.002 min  
Response: 155268589  
Conc: 5.93 ng/ml



#17 4,4'-DDT

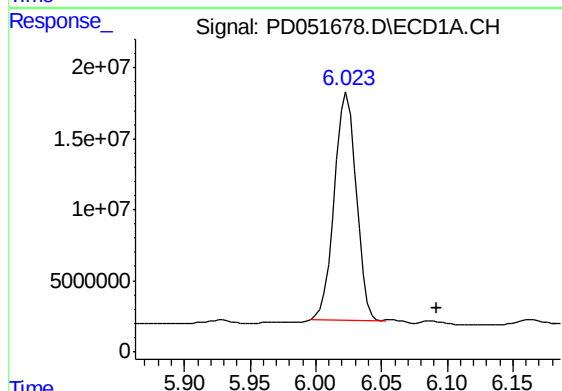
R.T.: 6.024 min  
Delta R.T.: -0.003 min  
Response: 184485539  
Conc: 101.31 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



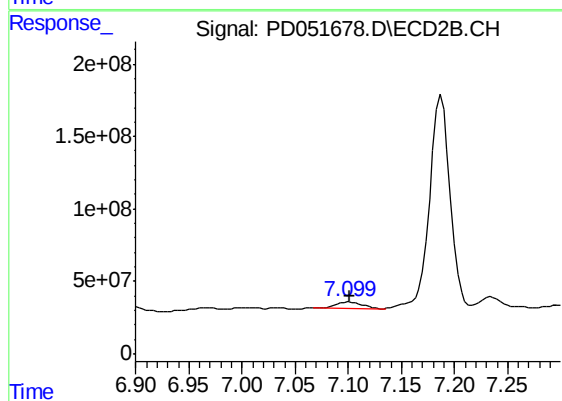
#17 4,4'-DDT

R.T.: 7.188 min  
Delta R.T.: 0.000 min  
Response: 1932363362  
Conc: 83.79 ng/ml



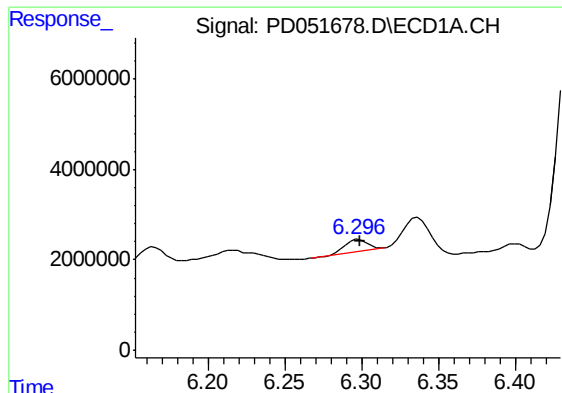
#18 Endrin aldehyde

R.T.: 6.024 min  
Delta R.T.: -0.068 min  
Response: 184485539  
Conc: 112.50 ng/ml



#18 Endrin aldehyde

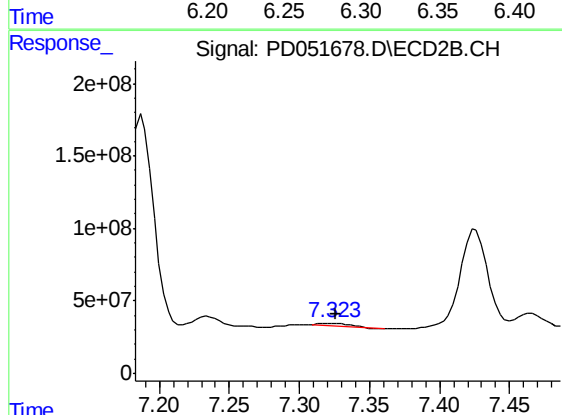
R.T.: 7.100 min  
Delta R.T.: -0.002 min  
Response: 71920831  
Conc: 3.20 ng/ml



#19 Endosulfan Sulfate

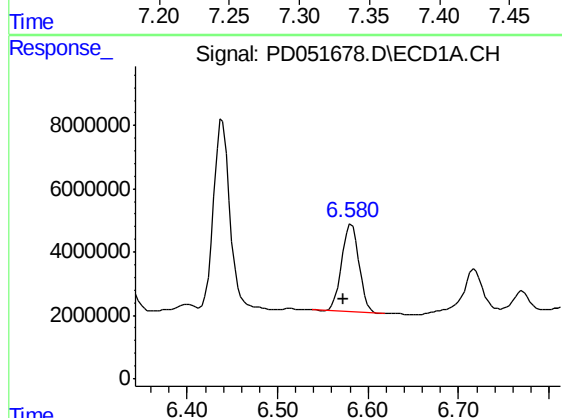
R.T.: 6.298 min  
Delta R.T.: 0.000 min  
Response: 2912197  
Conc: 1.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



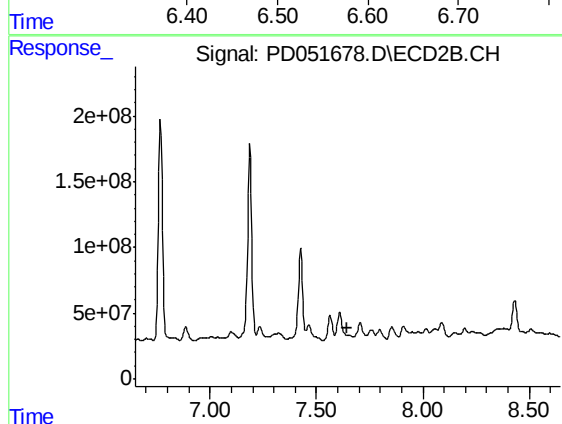
#19 Endosulfan Sulfate

R.T.: 7.323 min  
Delta R.T.: -0.003 min  
Response: 30804129  
Conc: 1.21 ng/ml



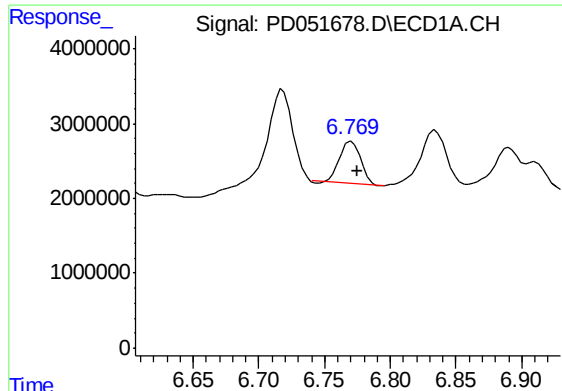
#20 Methoxychlor

R.T.: 6.582 min  
Delta R.T.: 0.009 min  
Response: 36995050  
Conc: 40.06 ng/ml



#20 Methoxychlor

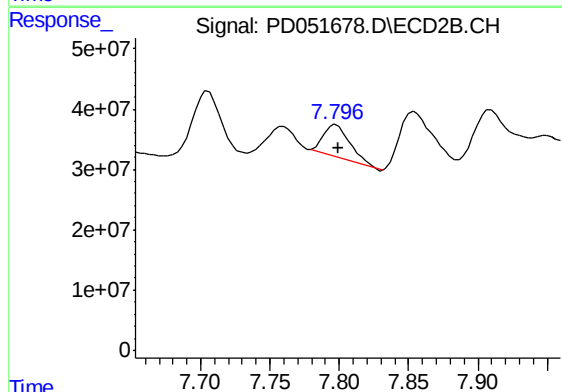
R.T.: 7.609 min  
Delta R.T.: -0.038 min  
Response: -28445951  
Conc: N.D.



#21 Endrin ketone

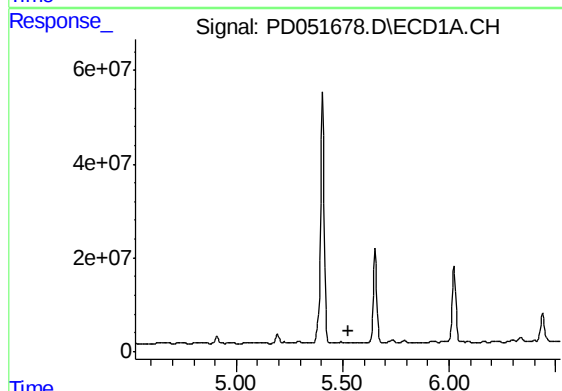
R.T.: 6.771 min  
Delta R.T.: -0.004 min  
Response: 6265636  
Conc: 3.08 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



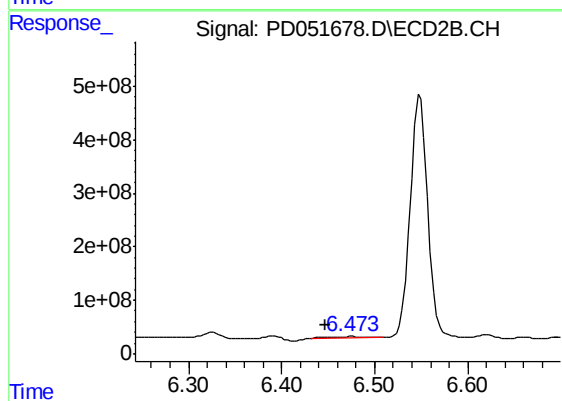
#21 Endrin ketone

R.T.: 7.798 min  
Delta R.T.: -0.002 min  
Response: 73433402  
Conc: 3.08 ng/ml



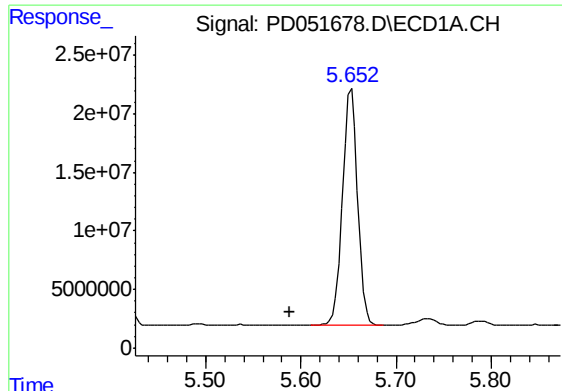
#22 Toxaphene-1

R.T.: 0.000 min  
Exp R.T. : 5.525 min  
Response: 0  
Conc: N.D.



#22 Toxaphene-1

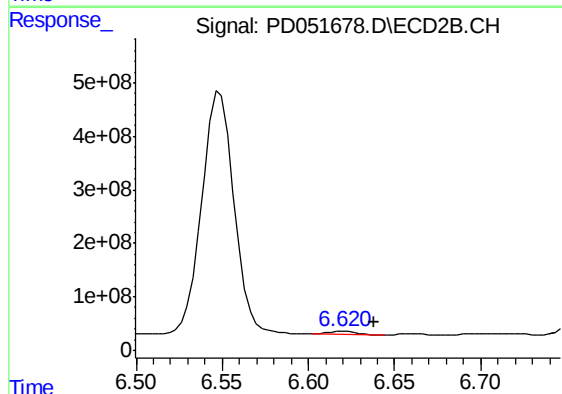
R.T.: 6.475 min  
Delta R.T.: 0.027 min  
Response: 47164923  
Conc: 313.86 ng/ml



#23 Toxaphene-2

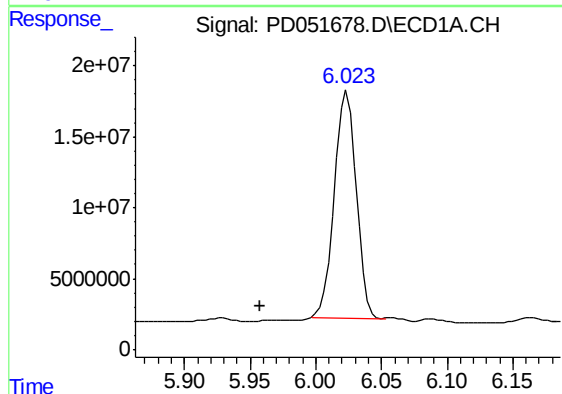
R.T.: 5.653 min  
Delta R.T.: 0.065 min  
Response: 226177444  
Conc: 9887.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



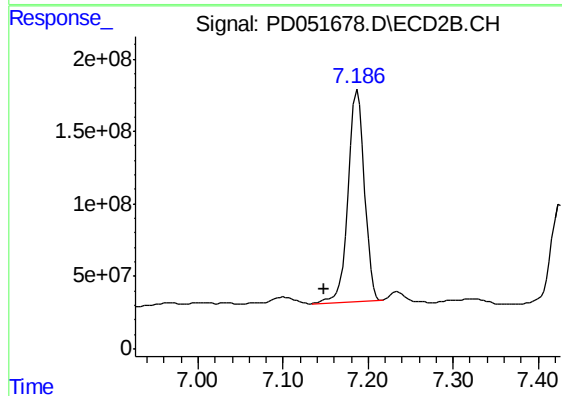
#23 Toxaphene-2

R.T.: 6.621 min  
Delta R.T.: -0.017 min  
Response: 57613385  
Conc: 198.82 ng/ml



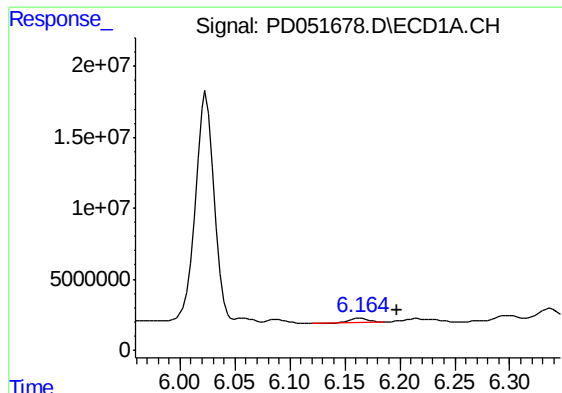
#24 Toxaphene-3

R.T.: 6.024 min  
Delta R.T.: 0.066 min  
Response: 184485539  
Conc: 4848.87 ng/ml



#24 Toxaphene-3

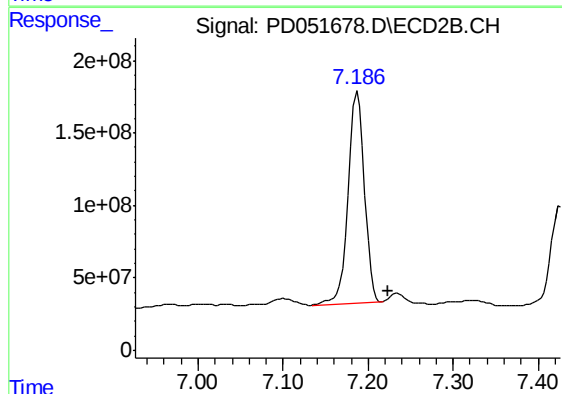
R.T.: 7.188 min  
Delta R.T.: 0.040 min  
Response: 1932363362  
Conc: 7949.36 ng/ml



#25 Toxaphene-4

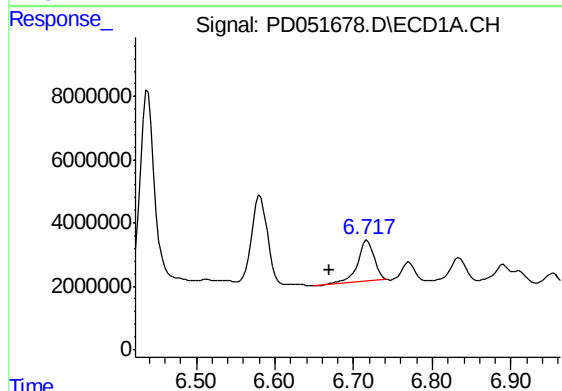
R.T.: 6.165 min  
Delta R.T.: -0.032 min  
Response: 4091857  
Conc: 105.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



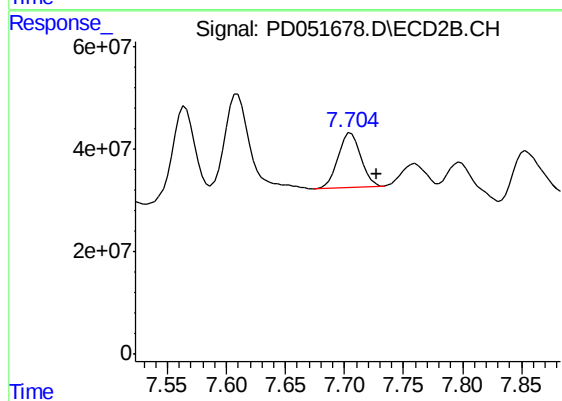
#25 Toxaphene-4

R.T.: 7.188 min  
Delta R.T.: -0.036 min  
Response: 1932363362  
Conc: 2877.37 ng/ml



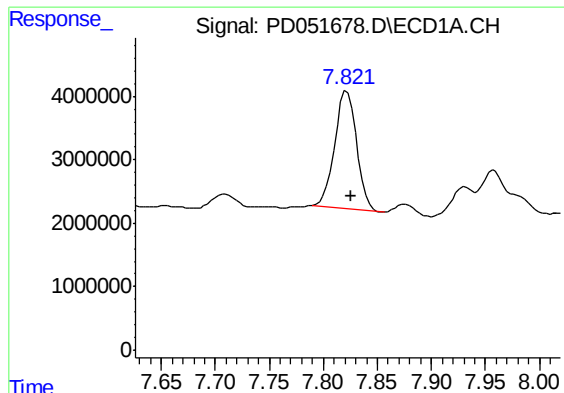
#26 Toxaphene-5

R.T.: 6.718 min  
Delta R.T.: 0.049 min  
Response: 18467427  
Conc: 423.24 ng/ml



#26 Toxaphene-5

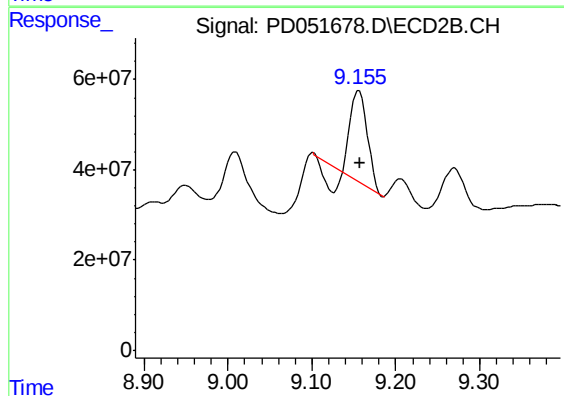
R.T.: 7.706 min  
Delta R.T.: -0.022 min  
Response: 143863033  
Conc: 499.89 ng/ml



#27 Decachlorobiphenyl

R.T.: 7.822 min  
Delta R.T.: -0.004 min  
Response: 26499884  
Conc: 22.03 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
DB648MSD



#27 Decachlorobiphenyl

R.T.: 9.156 min  
Delta R.T.: 0.000 min  
Response: 224731838  
Conc: 11.85 ng/ml