

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD032019\  
 Data File : PD051916.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 20 Mar 2019 15:22  
 Operator : AJ\SJ  
 Sample : K1688-27  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 20 15:37:45 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD030219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 01 23:43:17 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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... | 3.223  | 4.043  | 24514101          | 364.7E6 | 18.488 | 12.717 # |
| 28)                         | SA Decachlor... | 7.821  | 9.155  | 15774464          | 194.1E6 | 13.878 | 10.623   |
| Target Compounds            |                 |        |        |                   |         |        |          |
| 2)                          | A alpha-BHC     | 0.000  | 4.426  | 0 95926459        | N.D.    | 2.199  | #        |
| 3)                          | MA gamma-BHC... | 3.917  | 4.722  | 5336173 244.9E6   | 2.554   | 6.184  | #        |
| 4)                          | MA Heptachlor   | 4.204  | 5.237  | 18784940 43022163 | 8.756   | 1.122  | #        |
| 5)                          | MB Aldrin       | 4.438f | 5.564f | 4021615 49558535  | 1.976   | 1.384  | #        |
| 6)                          | B beta-BHC      | 0.000  | 4.897  | 0 157.0E6         | N.D.    | 8.737  | #        |
| 7)                          | B delta-BHC     | 4.354  | 5.088f | 8689268 12133097  | 4.285   | 0.353  | #        |
| 8)                          | B Heptachlo...  | 4.875f | 5.919  | 5635747 83630546  | 2.867   | 2.608  |          |
| 9)                          | A Endosulfan I  | 5.195f | 0.000  | 5151430 0         | 2.780   | N.D.   | #        |
| 10)                         | B gamma-Chl...  | 5.065  | 6.165  | 9631522 285.6E6   | 4.753   | 8.929  | #        |
| 11)                         | B alpha-Chl...  | 5.121  | 6.240  | 8707290 359.5E6   | 4.332   | 11.344 | #        |
| 12)                         | B 4,4'-DDE      | 5.290  | 6.393  | 4232161 126.8E6   | 2.259   | 4.101  | #        |
| 13)                         | MA Dieldrin     | 5.407  | 6.538  | 9016658 120.2E6   | 4.485   | 3.895  |          |
| 14)                         | MA Endrin       | 5.661  | 6.756  | 1020443 24596289  | 0.533   | 0.942  | #        |
| 15)                         | B Endosulfa...  | 5.918  | 6.959f | 4054781 8954151   | 2.250   | 0.348  | #        |
| 16)                         | A 4,4'-DDD      | 0.000  | 6.893  | 0 98344950        | N.D.    | 4.004  | #        |
| 17)                         | MA 4,4'-DDT     | 6.017  | 7.160f | 14001084 122.1E6  | 8.763   | 6.027  | #        |
| 18)                         | B Endrin al...  | 6.108f | 7.111  | 2546604 3966465   | 1.722   | 0.185  | #        |
| 19)                         | B Endosulfa...  | 6.297  | 7.294f | 4660037 33221863  | 2.819   | 1.417  | #        |
| 20)                         | A Methoxychlor  | 0.000  | 7.634  | 0 483494          | N.D.    | 0.044  | #        |
| 22)                         | Mirex           | 0.000  | 8.267  | 0 3826072         | N.D.    | 0.247  | #        |
| 23)                         | Chlordane-1     | 4.046  | 5.045  | 2417497 63434159  | 37.796  | 41.427 |          |
| 24)                         | Chlordane-2     | 4.528  | 5.516  | 3965197 15247521  | 50.663  | 10.753 | #        |
| 25)                         | Chlordane-3     | 5.065  | 6.165  | 9631522 285.6E6   | 41.383  | 64.124 | #        |
| 26)                         | Chlordane-4     | 5.121  | 6.240  | 8707290 359.5E6   | 38.940  | 68.654 | #        |
| 27)                         | Chlordane-5     | 5.918  | 7.045  | 4054781 8502366   | 56.452  | 8.393  | #        |
| -----                       |                 |        |        |                   |         |        |          |

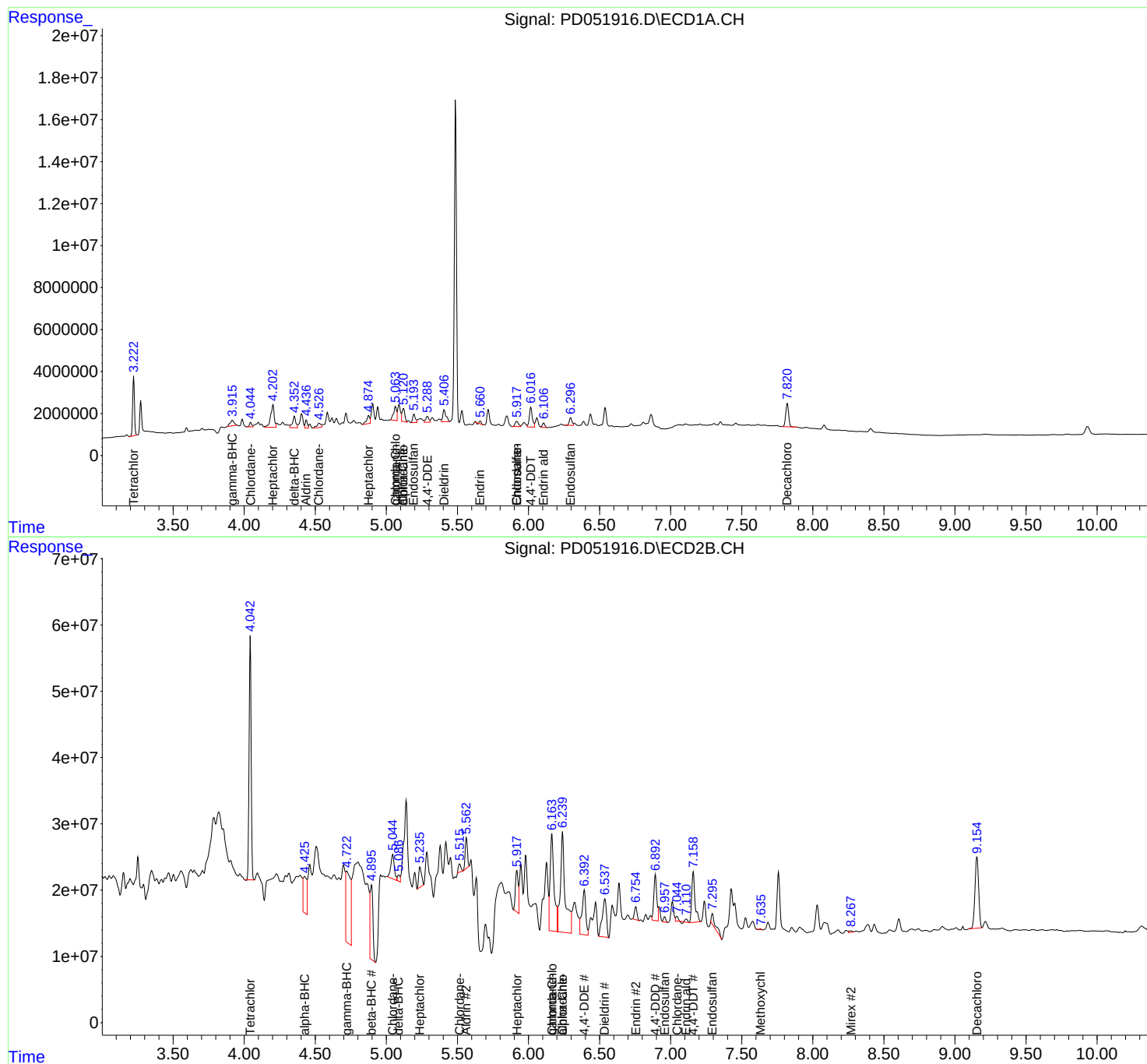
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

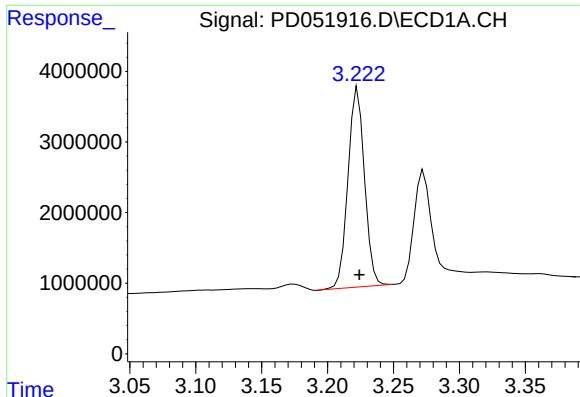
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD030219\  
Data File : PD051916.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 20 Mar 2019 15:22  
Operator : AJ\SJ  
Sample : K1688-27  
Misc :  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 20 15:37:45 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD030219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 01 23:43:17 2019  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

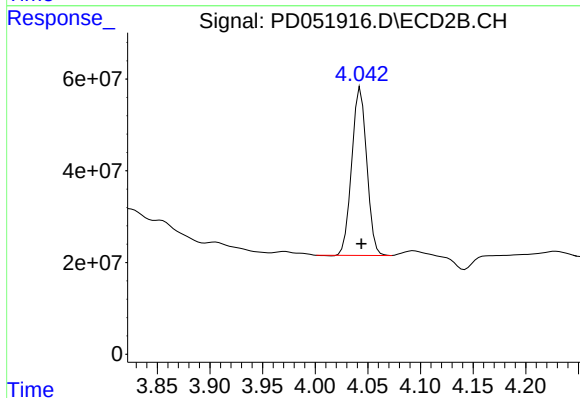




#1 Tetrachloro-m-xylene

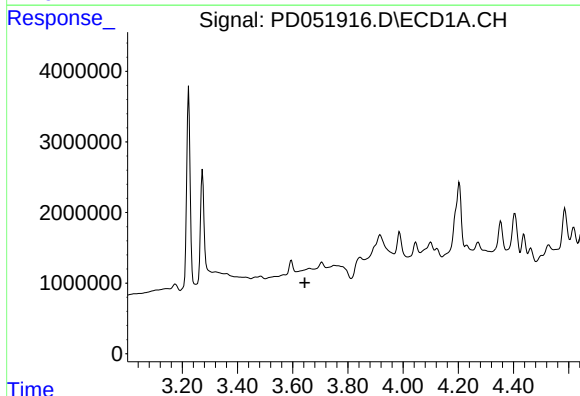
R.T.: 3.223 min  
Delta R.T.: 0.000 min  
Response: 24514101  
Conc: 18.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



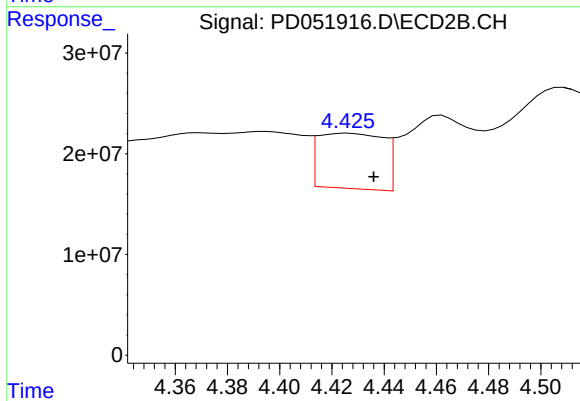
#1 Tetrachloro-m-xylene

R.T.: 4.043 min  
Delta R.T.: 0.000 min  
Response: 364680590  
Conc: 12.72 ng/ml



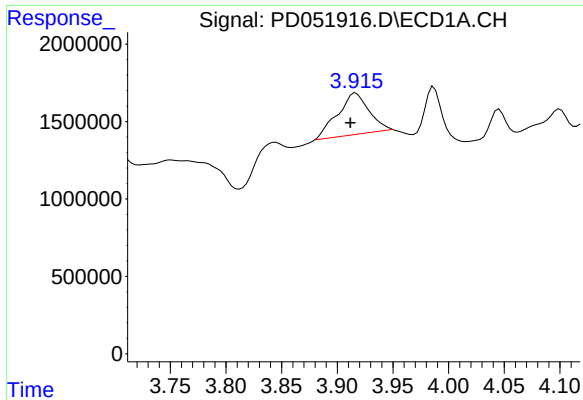
#2 alpha-BHC

R.T.: 0.000 min  
Exp R.T. : 3.644 min  
Response: 0  
Conc: N.D.



#2 alpha-BHC

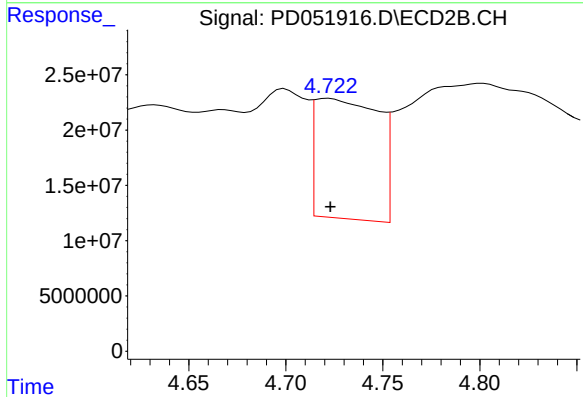
R.T.: 4.426 min  
Delta R.T.: -0.010 min  
Response: 95926459  
Conc: 2.20 ng/ml



#3 gamma-BHC (Lindane)

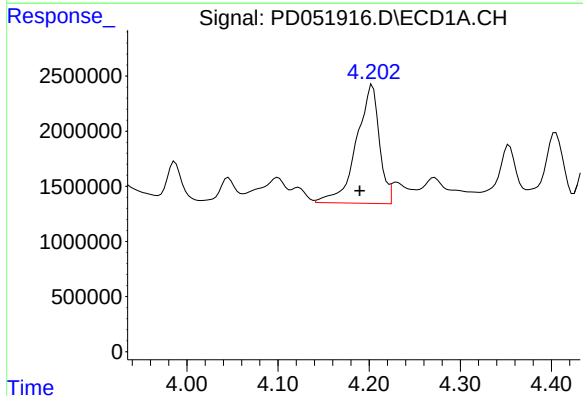
R.T.: 3.917 min  
Delta R.T.: 0.005 min  
Response: 5336173  
Conc: 2.55 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



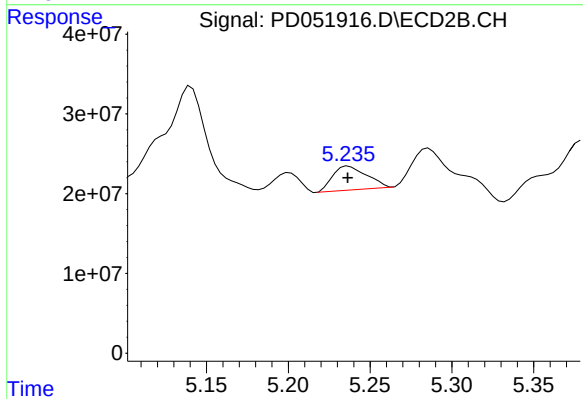
#3 gamma-BHC (Lindane)

R.T.: 4.722 min  
Delta R.T.: 0.000 min  
Response: 244939335  
Conc: 6.18 ng/ml



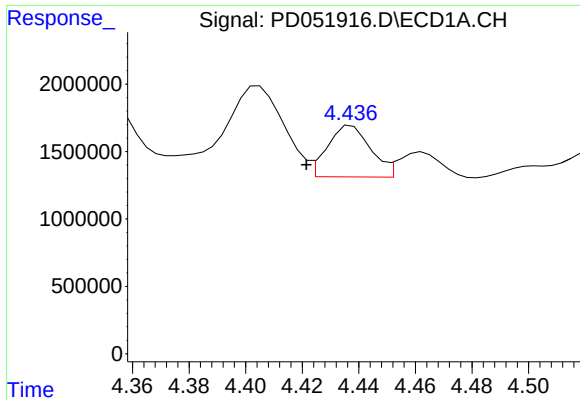
#4 Heptachlor

R.T.: 4.204 min  
Delta R.T.: 0.014 min  
Response: 18784940  
Conc: 8.76 ng/ml



#4 Heptachlor

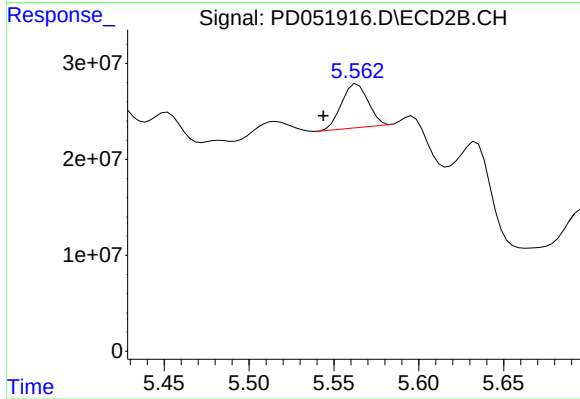
R.T.: 5.237 min  
Delta R.T.: 0.000 min  
Response: 43022163  
Conc: 1.12 ng/ml



#5 Aldrin

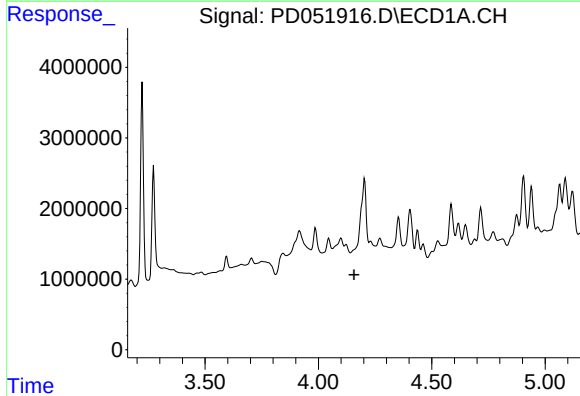
R.T.: 4.438 min  
Delta R.T.: 0.016 min  
Response: 4021615  
Conc: 1.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



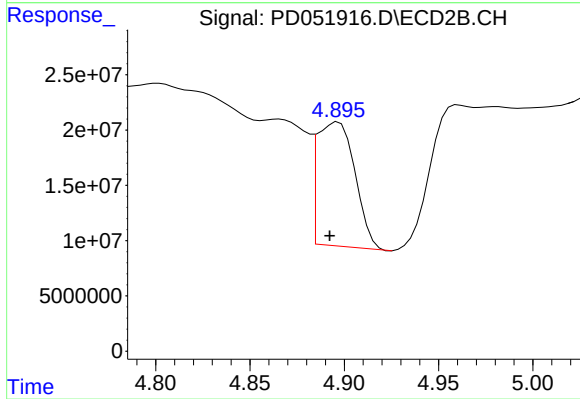
#5 Aldrin

R.T.: 5.564 min  
Delta R.T.: 0.020 min  
Response: 49558535  
Conc: 1.38 ng/ml



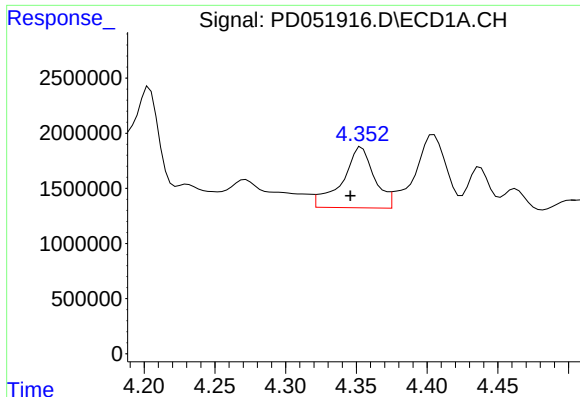
#6 beta-BHC

R.T.: 0.000 min  
Exp R.T. : 4.158 min  
Response: 0  
Conc: N.D.



#6 beta-BHC

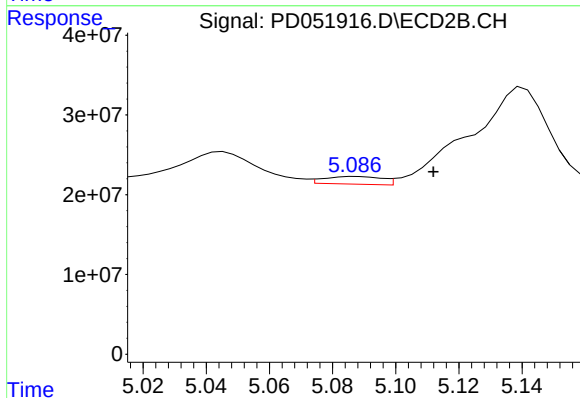
R.T.: 4.897 min  
Delta R.T.: 0.004 min  
Response: 157028569  
Conc: 8.74 ng/ml



#7 delta-BHC

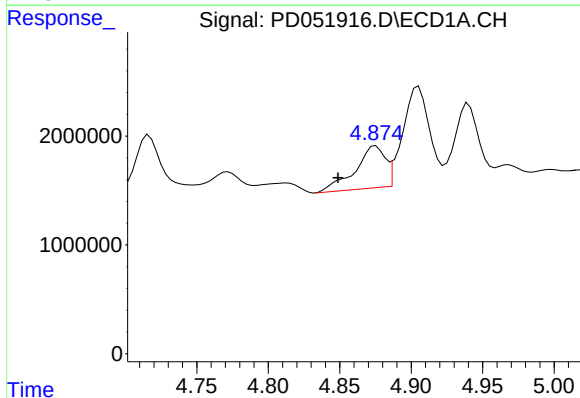
R.T.: 4.354 min  
Delta R.T.: 0.008 min  
Response: 8689268  
Conc: 4.29 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



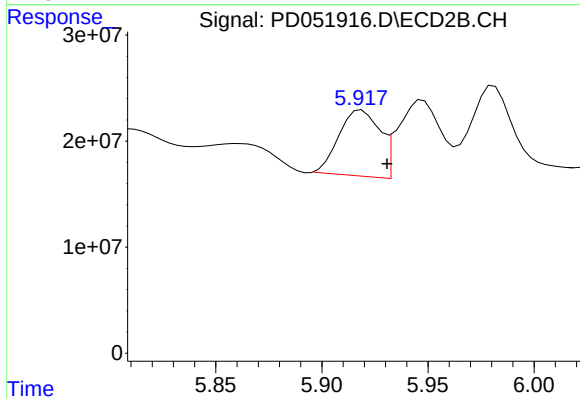
#7 delta-BHC

R.T.: 5.088 min  
Delta R.T.: -0.024 min  
Response: 12133097  
Conc: 0.35 ng/ml



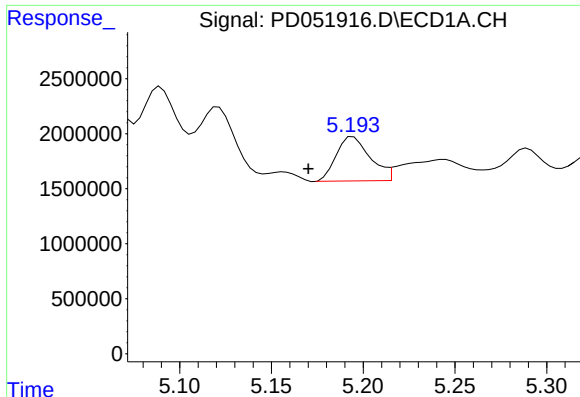
#8 Heptachlor epoxide

R.T.: 4.875 min  
Delta R.T.: 0.026 min  
Response: 5635747  
Conc: 2.87 ng/ml



#8 Heptachlor epoxide

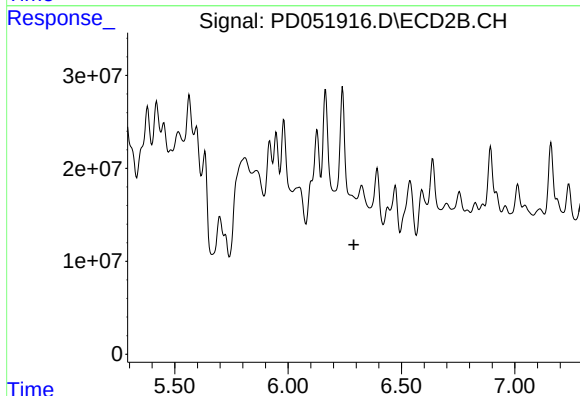
R.T.: 5.919 min  
Delta R.T.: -0.012 min  
Response: 83630546  
Conc: 2.61 ng/ml



#9 Endosulfan I

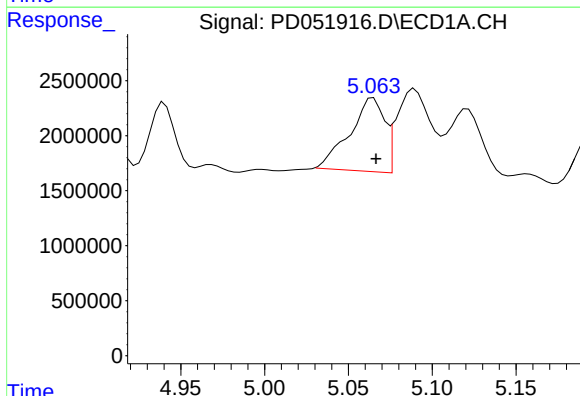
R.T.: 5.195 min  
Delta R.T.: 0.024 min  
Response: 5151430  
Conc: 2.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



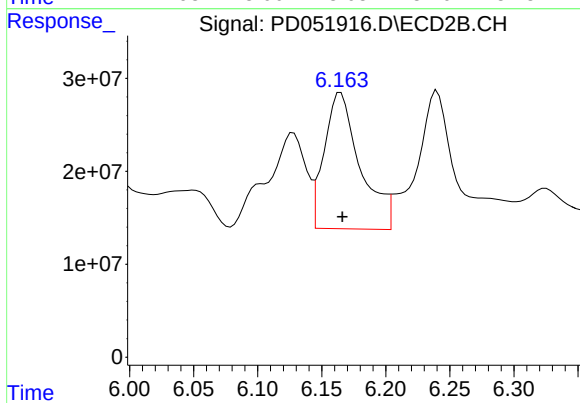
#9 Endosulfan I

R.T.: 0.000 min  
Exp R.T. : 6.290 min  
Response: 0  
Conc: N.D.



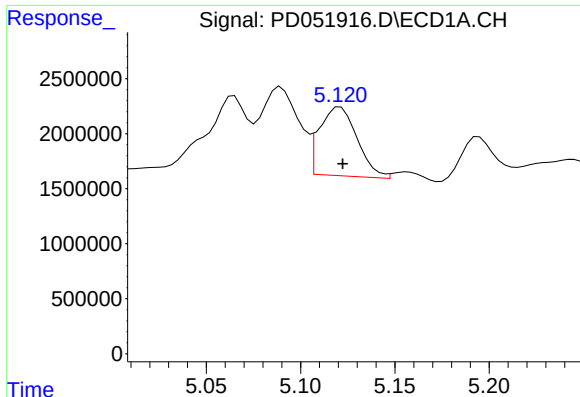
#10 gamma-Chlordane

R.T.: 5.065 min  
Delta R.T.: -0.002 min  
Response: 9631522  
Conc: 4.75 ng/ml



#10 gamma-Chlordane

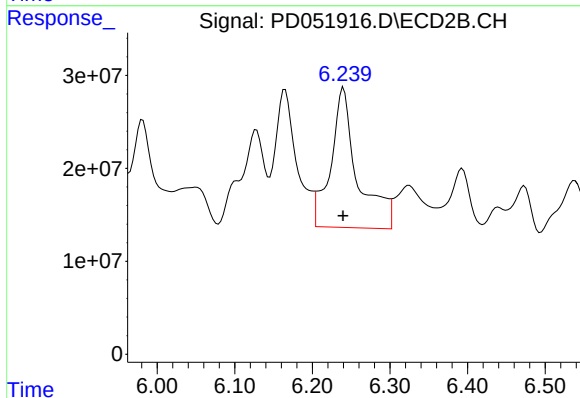
R.T.: 6.165 min  
Delta R.T.: -0.001 min  
Response: 285552763  
Conc: 8.93 ng/ml



#11 alpha-Chlordane

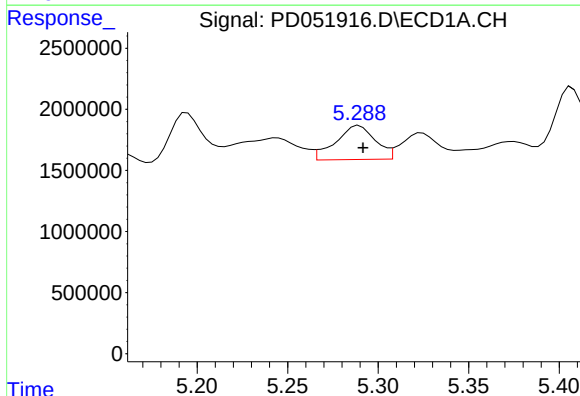
R.T.: 5.121 min  
Delta R.T.: -0.001 min  
Response: 8707290  
Conc: 4.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



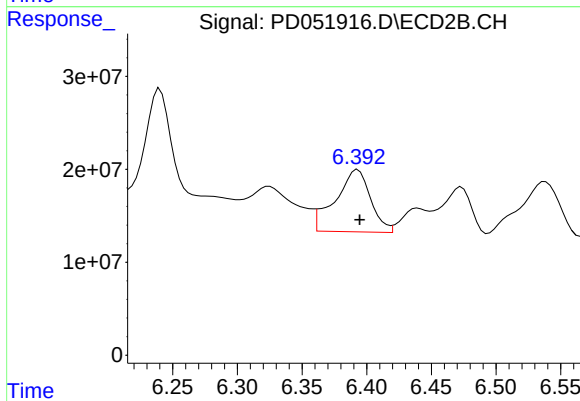
#11 alpha-Chlordane

R.T.: 6.240 min  
Delta R.T.: 0.000 min  
Response: 359542965  
Conc: 11.34 ng/ml



#12 4,4'-DDE

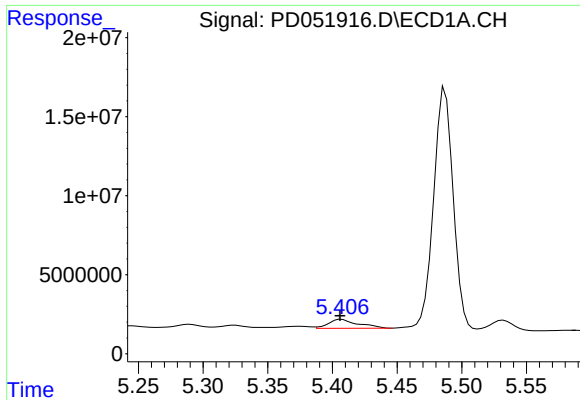
R.T.: 5.290 min  
Delta R.T.: -0.002 min  
Response: 4232161  
Conc: 2.26 ng/ml



#12 4,4'-DDE

R.T.: 6.393 min  
Delta R.T.: -0.001 min  
Response: 126838321  
Conc: 4.10 ng/ml

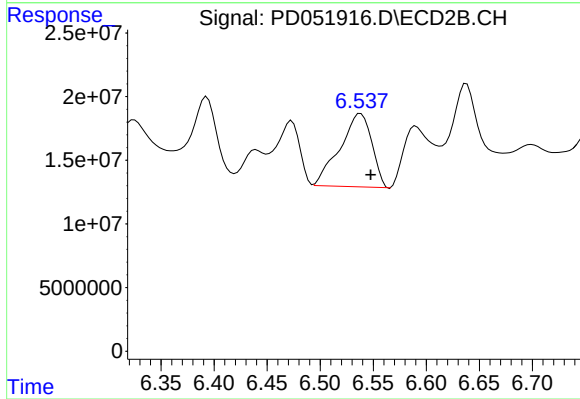




#13 Dieldrin

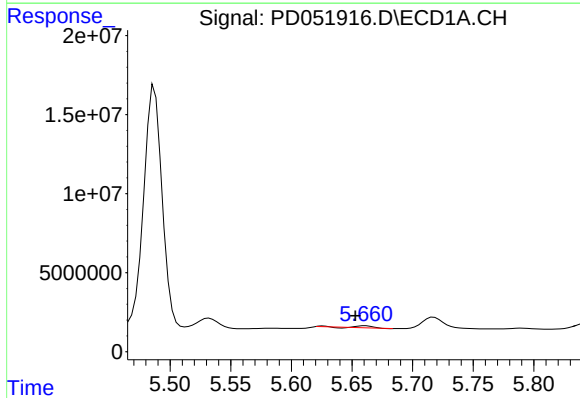
R.T.: 5.407 min  
Delta R.T.: 0.001 min  
Response: 9016658  
Conc: 4.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



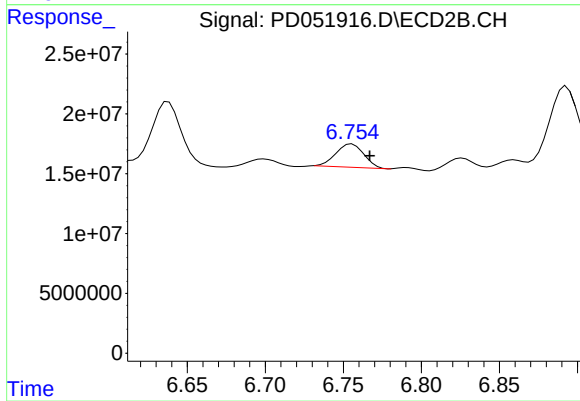
#13 Dieldrin

R.T.: 6.538 min  
Delta R.T.: -0.010 min  
Response: 120178704  
Conc: 3.89 ng/ml



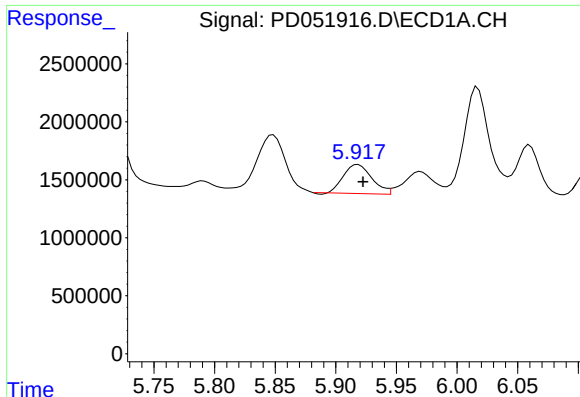
#14 Endrin

R.T.: 5.661 min  
Delta R.T.: 0.008 min  
Response: 1020443  
Conc: 0.53 ng/ml



#14 Endrin

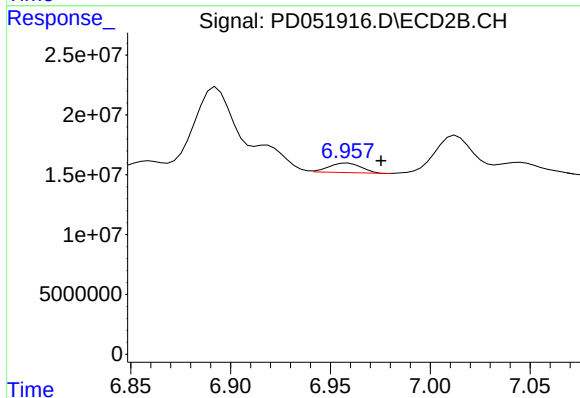
R.T.: 6.756 min  
Delta R.T.: -0.011 min  
Response: 24596289  
Conc: 0.94 ng/ml



#15 Endosulfan II

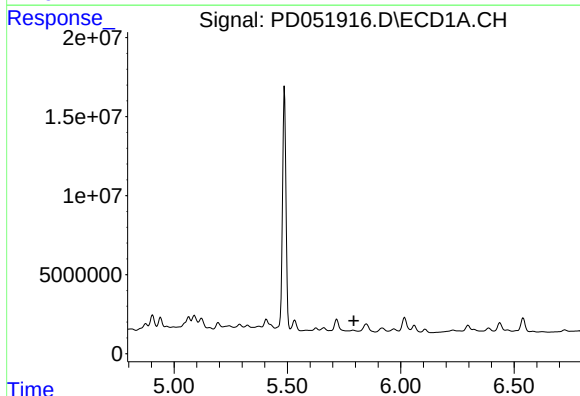
R.T.: 5.918 min  
Delta R.T.: -0.004 min  
Response: 4054781  
Conc: 2.25 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



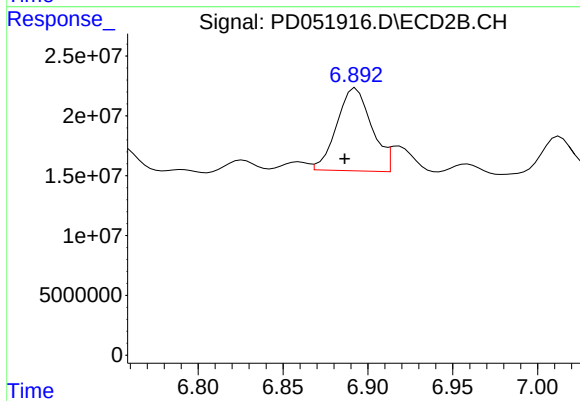
#15 Endosulfan II

R.T.: 6.959 min  
Delta R.T.: -0.017 min  
Response: 8954151  
Conc: 0.35 ng/ml



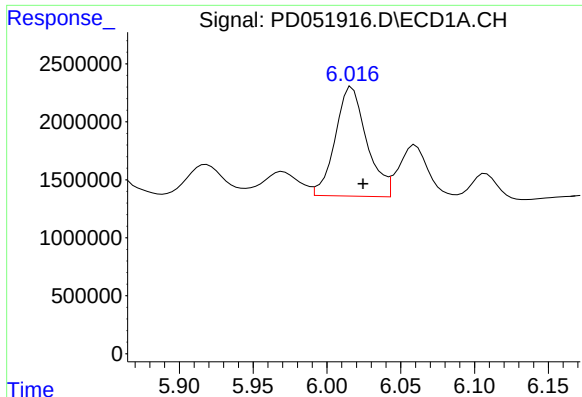
#16 4,4'-DDD

R.T.: 0.000 min  
Exp R.T. : 5.793 min  
Response: 0  
Conc: N.D.



#16 4,4'-DDD

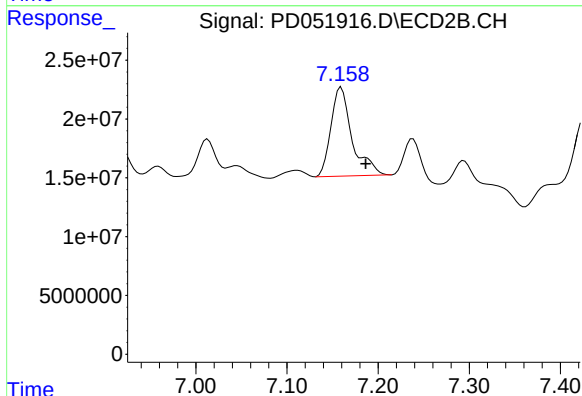
R.T.: 6.893 min  
Delta R.T.: 0.007 min  
Response: 98344950  
Conc: 4.00 ng/ml



#17 4,4'-DDT

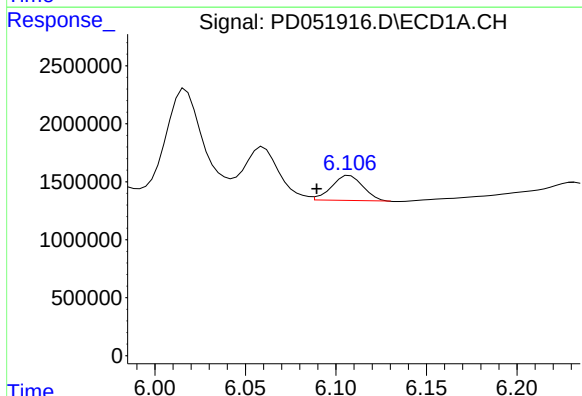
R.T.: 6.017 min  
Delta R.T.: -0.008 min  
Response: 14001084  
Conc: 8.76 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



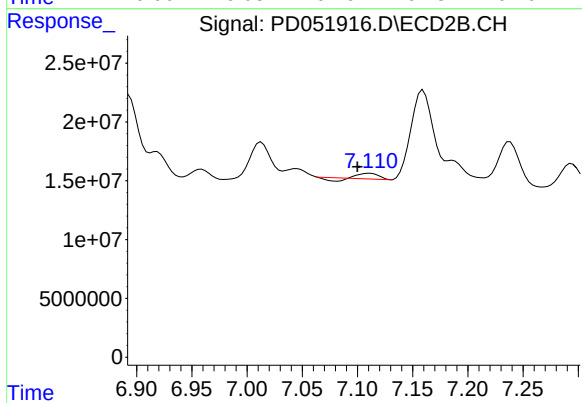
#17 4,4'-DDT

R.T.: 7.160 min  
Delta R.T.: -0.027 min  
Response: 122091838  
Conc: 6.03 ng/ml



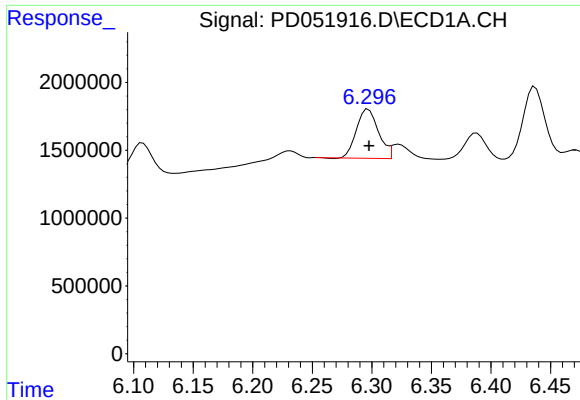
#18 Endrin aldehyde

R.T.: 6.108 min  
Delta R.T.: 0.018 min  
Response: 2546604  
Conc: 1.72 ng/ml



#18 Endrin aldehyde

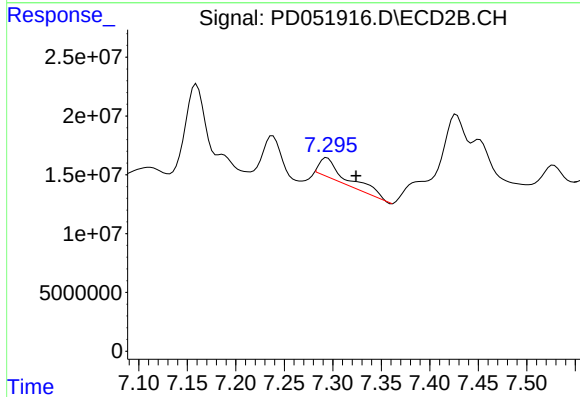
R.T.: 7.111 min  
Delta R.T.: 0.011 min  
Response: 3966465  
Conc: 0.18 ng/ml



#19 Endosulfan Sulfate

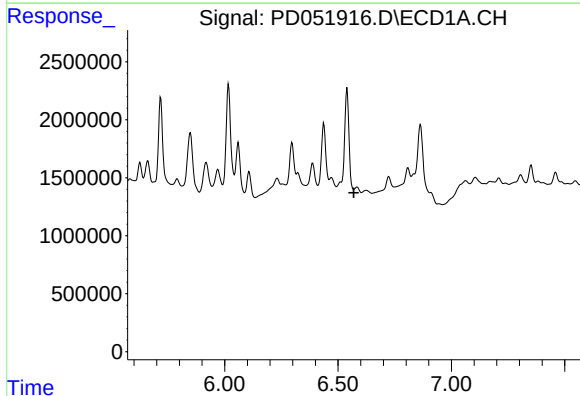
R.T.: 6.297 min  
Delta R.T.: 0.000 min  
Response: 4660037  
Conc: 2.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



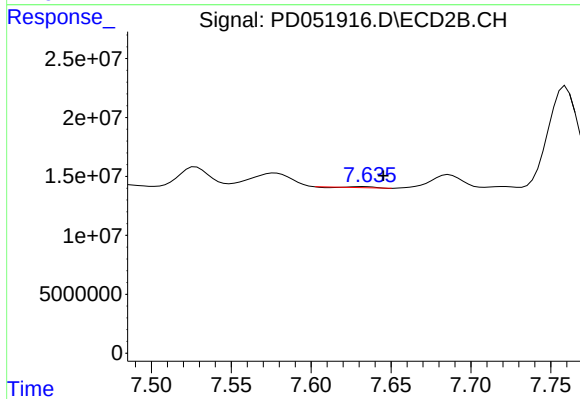
#19 Endosulfan Sulfate

R.T.: 7.294 min  
Delta R.T.: -0.030 min  
Response: 33221863  
Conc: 1.42 ng/ml



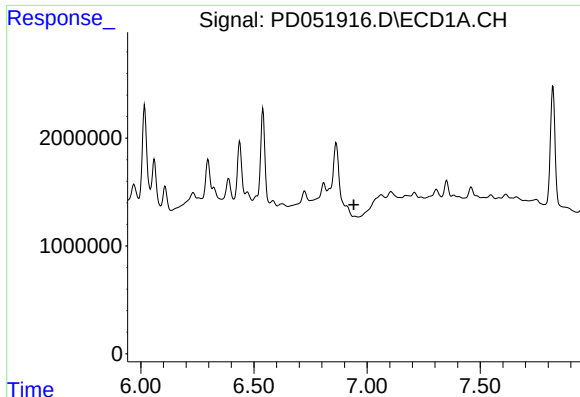
#20 Methoxychlor

R.T.: 0.000 min  
Exp R.T. : 6.570 min  
Response: 0  
Conc: N.D.



#20 Methoxychlor

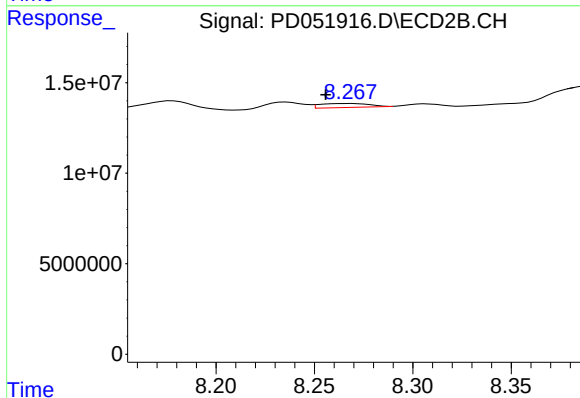
R.T.: 7.634 min  
Delta R.T.: -0.011 min  
Response: 483494  
Conc: 0.04 ng/ml



#22 Mirex

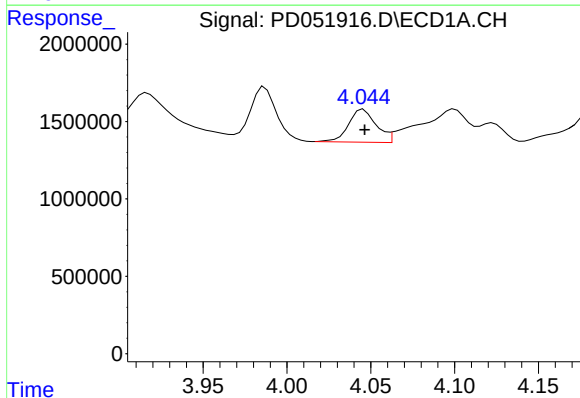
R.T.: 0.000 min  
Exp R.T.: 6.942 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :



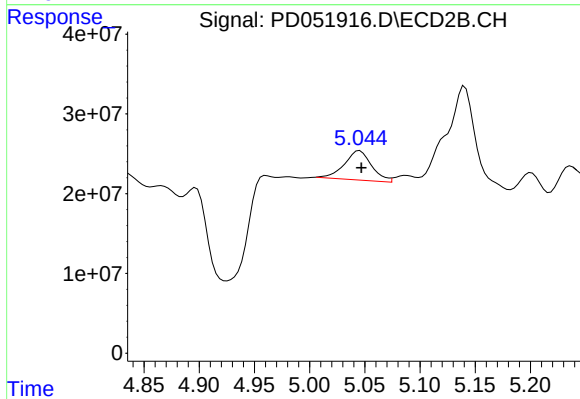
#22 Mirex

R.T.: 8.267 min  
Delta R.T.: 0.011 min  
Response: 3826072  
Conc: 0.25 ng/ml



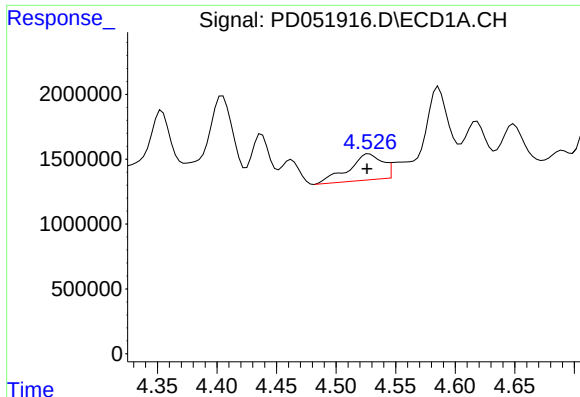
#23 Chlordane-1

R.T.: 4.046 min  
Delta R.T.: 0.000 min  
Response: 2417497  
Conc: 37.80 ng/ml



#23 Chlordane-1

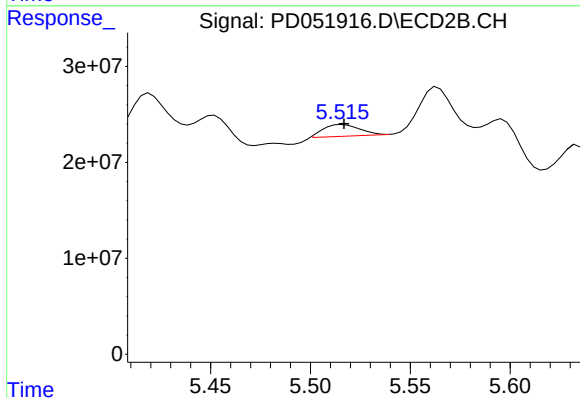
R.T.: 5.045 min  
Delta R.T.: -0.002 min  
Response: 63434159  
Conc: 41.43 ng/ml



#24 Chlordane-2

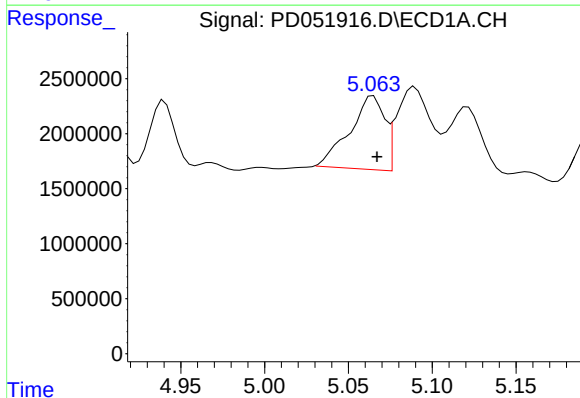
R.T.: 4.528 min  
Delta R.T.: 0.002 min  
Response: 3965197  
Conc: 50.66 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



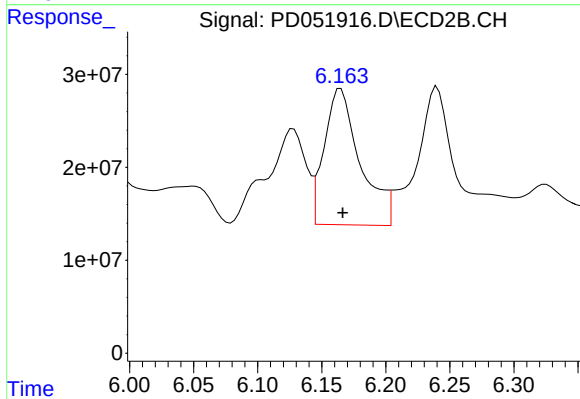
#24 Chlordane-2

R.T.: 5.516 min  
Delta R.T.: 0.000 min  
Response: 15247521  
Conc: 10.75 ng/ml



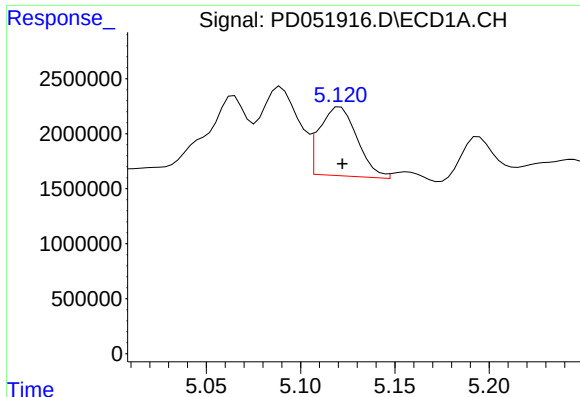
#25 Chlordane-3

R.T.: 5.065 min  
Delta R.T.: -0.002 min  
Response: 9631522  
Conc: 41.38 ng/ml



#25 Chlordane-3

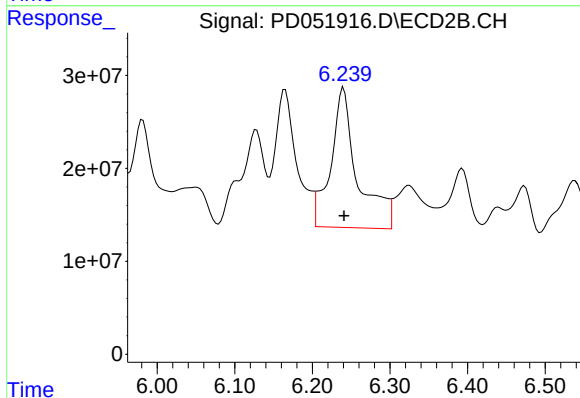
R.T.: 6.165 min  
Delta R.T.: -0.001 min  
Response: 285552763  
Conc: 64.12 ng/ml



#26 Chlordane-4

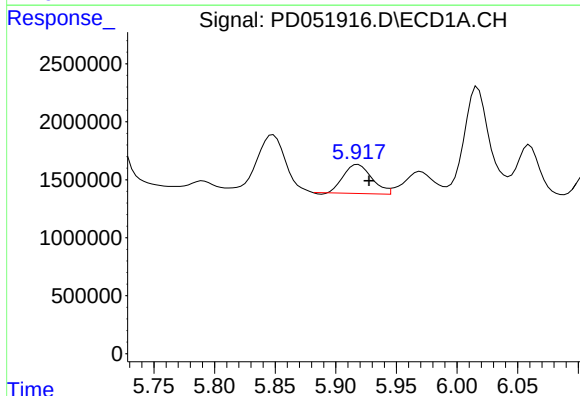
R.T.: 5.121 min  
Delta R.T.: -0.001 min  
Response: 8707290  
Conc: 38.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



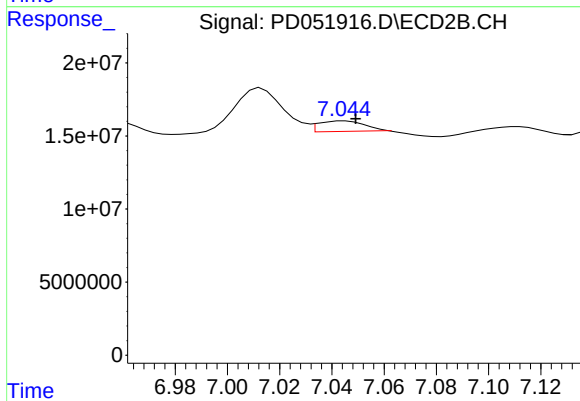
#26 Chlordane-4

R.T.: 6.240 min  
Delta R.T.: 0.000 min  
Response: 359542965  
Conc: 68.65 ng/ml



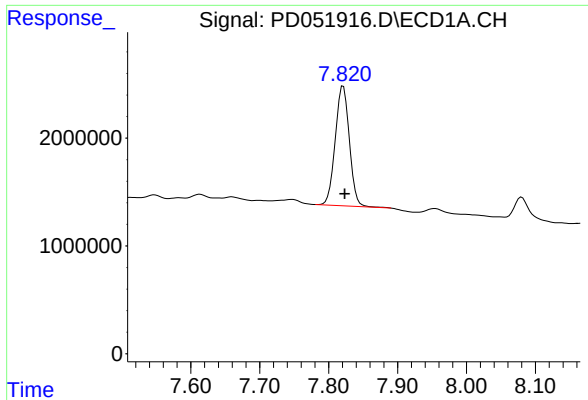
#27 Chlordane-5

R.T.: 5.918 min  
Delta R.T.: -0.009 min  
Response: 4054781  
Conc: 56.45 ng/ml



#27 Chlordane-5

R.T.: 7.045 min  
Delta R.T.: -0.004 min  
Response: 8502366  
Conc: 8.39 ng/ml



#28 Decachlorobiphenyl

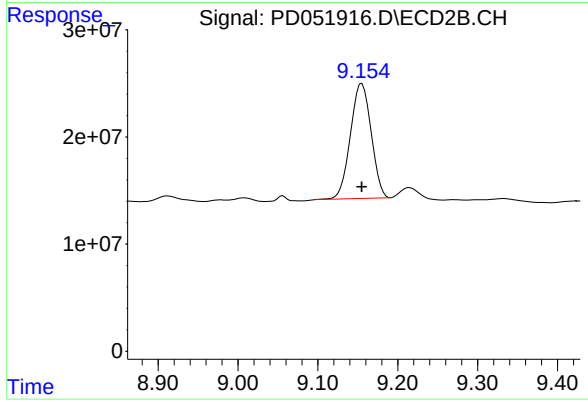
R.T.: 7.821 min

Delta R.T.: -0.002 min

Response: 15774464

Conc: 13.88 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 9.155 min

Delta R.T.: 0.000 min

Response: 194051595

Conc: 10.62 ng/ml