

Data Path : P:\HPCHEM1\ECD\_D\Data\PD040718\  
 Data File : PD046848.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 07 Apr 2018 10:13  
 Operator : UA/AJ  
 Sample : LOD CHLOR  
 Misc : ECD\_D LOD\MDL SOIL CHLOR 100 PPB  
 ALS Vial : 66 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 LOD CHLOR

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 09 00:59:45 2018  
 Quant Method : P:\HPCHEM1\ECD\_D\Method\PD040718.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 07 04:44:10 2018  
 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... | 3.431  | 4.042  | 20612621 | 354.9E6  | 16.334 | 16.611   |
| 28)                         | SA Decachlor... | 8.155  | 9.120  | 22585676 | 314.4E6  | 16.789 | 17.474   |
| Target Compounds            |                 |        |        |          |          |        |          |
| 2)                          | A alpha-BHC     | 3.808f | 4.441  | 218312   | 16101317 | 0.106  | 0.484 #  |
| 4)                          | MA Heptachlor   | 4.441  | 5.231  | 6816153  | 142.6E6  | 3.774  | 4.854 #  |
| 5)                          | MB Aldrin       | 0.000  | 5.562  | 0        | 2155790  | N.D.   | 0.077 #  |
| 6)                          | B beta-BHC      | 4.441f | 4.830f | 6816153  | 6726541  | 8.517  | 0.502 #  |
| 7)                          | B delta-BHC     | 0.000  | 5.079  | 0        | 14693711 | N.D.   | 0.480 #  |
| 8)                          | B Heptachlo...  | 0.000  | 5.901  | 0        | 44452881 | N.D.   | 1.730 #  |
| 9)                          | A Endosulfan I  | 5.410f | 6.230f | 13176808 | 356.9E6  | 8.656  | 15.625 # |
| 10)                         | B gamma-Chl...  | 5.351  | 6.153  | 14914264 | 310.7E6  | 8.964  | 12.030 # |
| 11)                         | B alpha-Chl...  | 5.410  | 6.230  | 13176808 | 356.9E6  | 8.136  | 14.378 # |
| 12)                         | B 4,4'-DDE      | 0.000  | 6.449f | 0        | 29733615 | N.D.   | 1.209 #  |
| 13)                         | MA Dieldrin     | 0.000  | 6.534  | 0        | 10163240 | N.D.   | 0.411 #  |
| 14)                         | MA Endrin       | 0.000  | 6.682f | 0        | 13709181 | N.D.   | 0.718 #  |
| 15)                         | B Endosulfa...  | 6.242  | 6.966  | 5125020  | 8013153  | 3.347  | 0.378 #  |
| 16)                         | A 4,4'-DDD      | 0.000  | 6.843  | 0        | 61936552 | N.D.   | 3.102 #  |
| 18)                         | B Endrin al...  | 0.000  | 7.029f | 0        | 72599064 | N.D.   | 4.088 #  |
| 19)                         | B Endosulfa...  | 0.000  | 7.303  | 0        | 4516607  | N.D.   | 0.224 #  |
| 23)                         | Chlordane-1     | 4.291  | 5.042  | 4823831  | 105.5E6  | 78.359 | 90.986   |
| 24)                         | Chlordane-2     | 4.789  | 5.508  | 5732274  | 100.7E6  | 92.912 | 91.376   |
| 25)                         | Chlordane-3     | 5.351  | 6.153  | 14914264 | 310.7E6  | 79.333 | 88.350   |
| 26)                         | Chlordane-4     | 5.410  | 6.230  | 13176808 | 356.9E6  | 79.487 | 88.679   |
| 27)                         | Chlordane-5     | 6.242  | 7.029  | 5125020  | 72599064 | 84.020 | 85.028   |
| -----                       |                 |        |        |          |          |        |          |

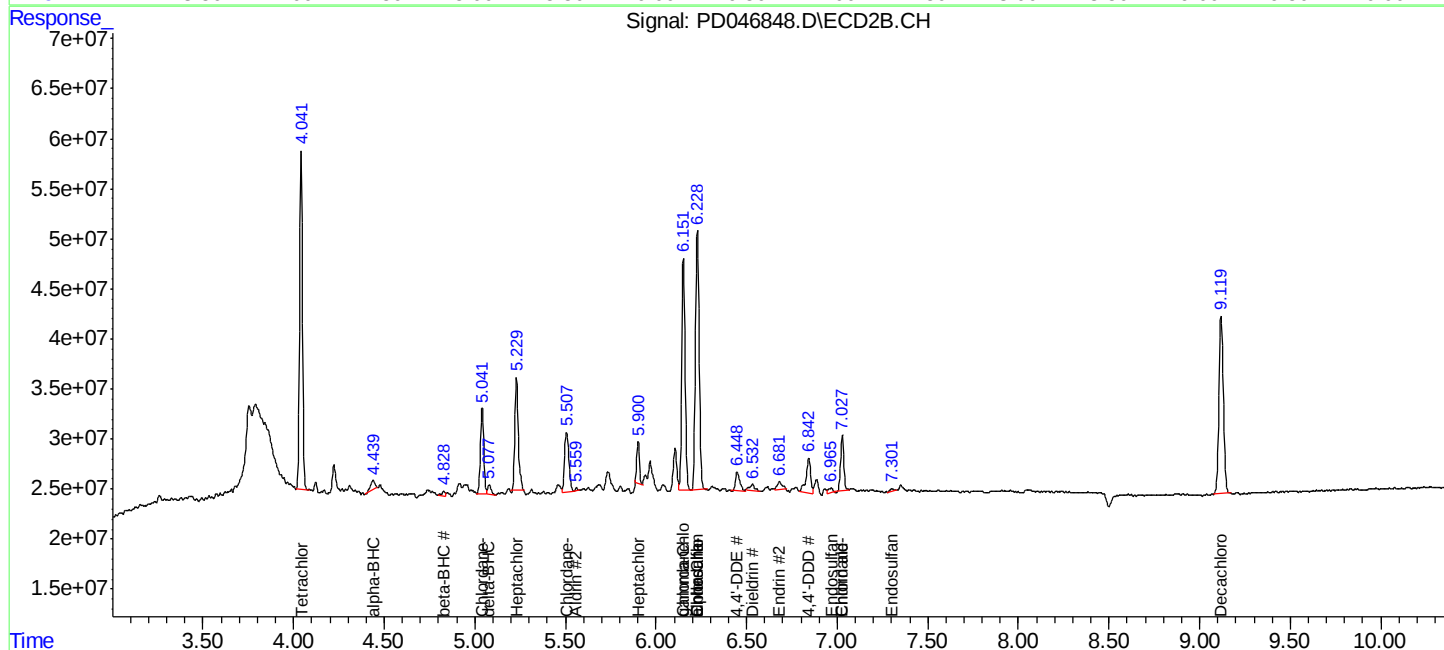
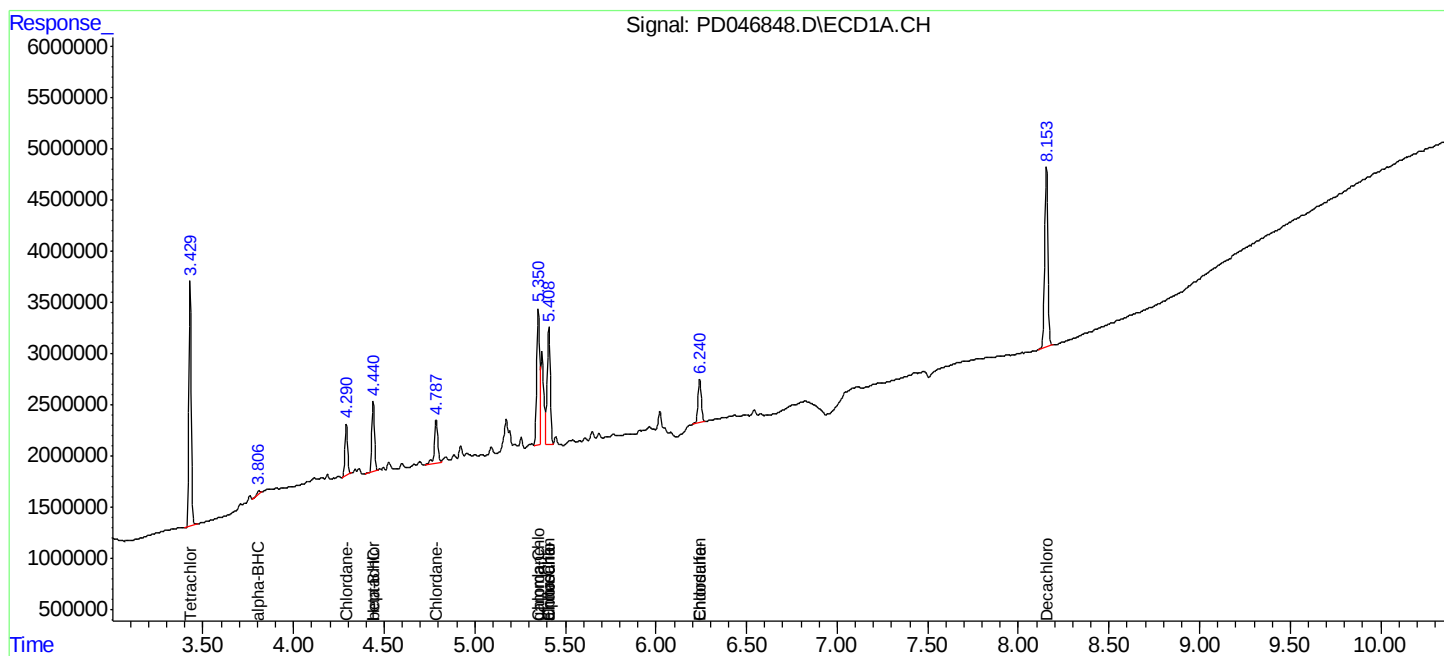
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

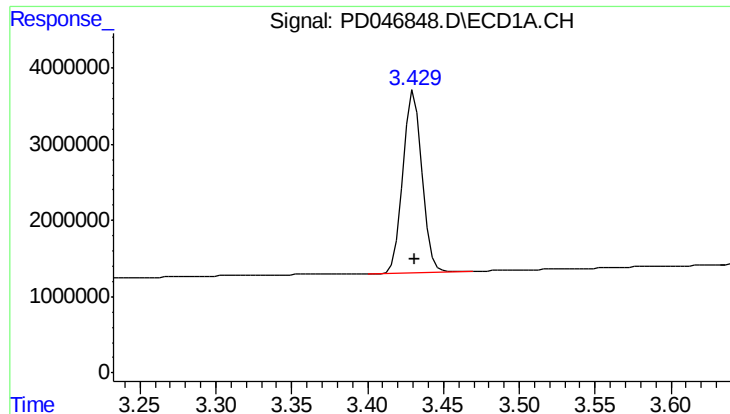
Data Path : P:\HPCHEM1\ECD\_D\Data\PD040718\  
Data File : PD046848.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 07 Apr 2018 10:13  
Operator : UA/AJ  
Sample : LOD CHLOR  
Misc : ECD\_D LOD\MDL SOIL CHLOR 100 PPB  
ALS Vial : 66 Sample Multiplier: 1

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 09 00:59:45 2018  
Quant Method : P:\HPCHEM1\ECD\_D\Method\PD040718.M  
Quant Title : GC Extractables  
QLast Update : Sat Apr 07 04:44:10 2018  
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

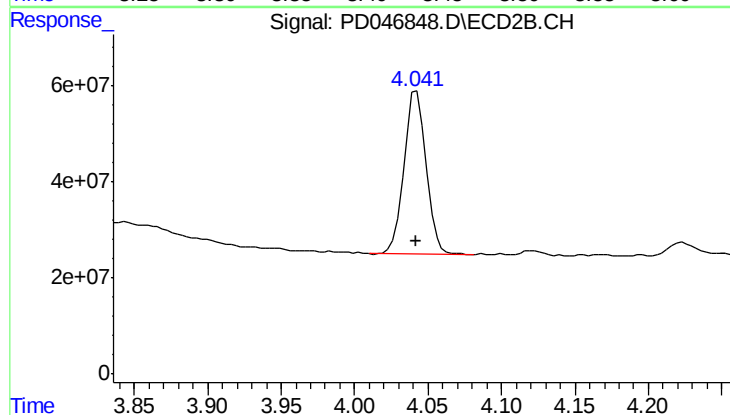




#1 Tetrachloro-m-xylene

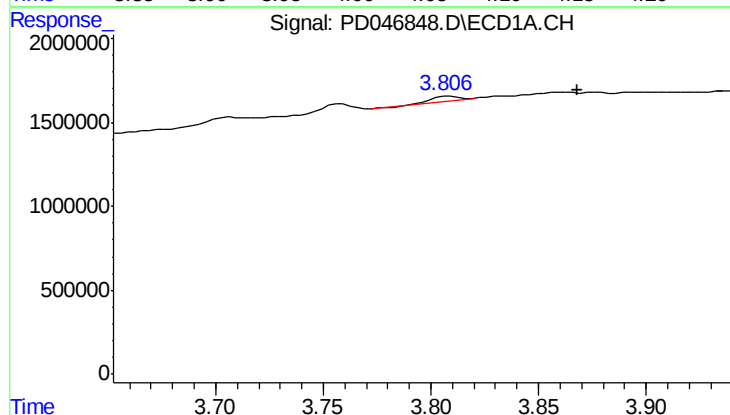
R.T.: 3.431 min  
Delta R.T.: 0.000 min  
Response: 20612621  
Conc: 16.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



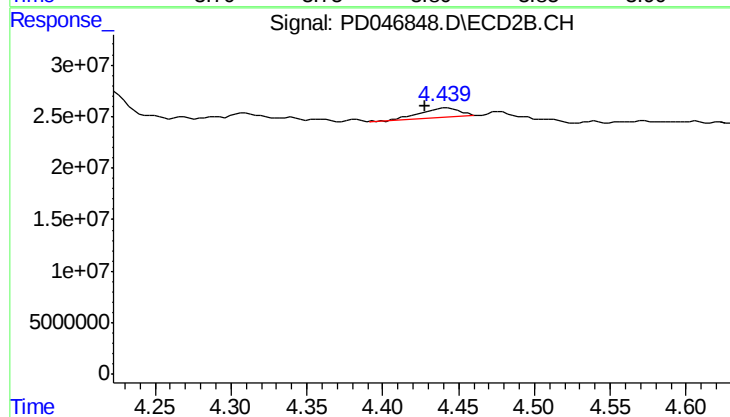
#1 Tetrachloro-m-xylene

R.T.: 4.042 min  
Delta R.T.: 0.000 min  
Response: 354925573  
Conc: 16.61 ng/ml



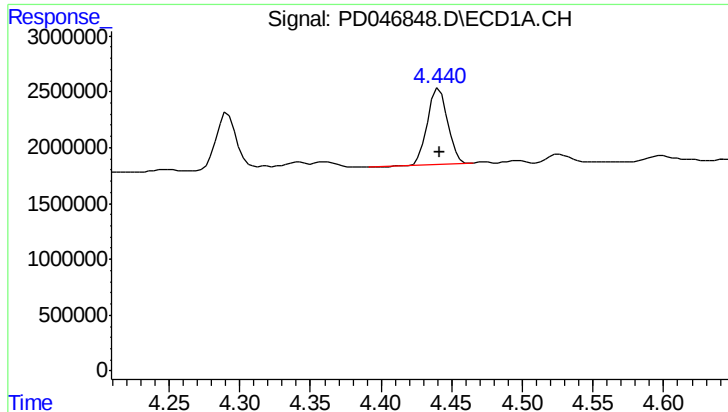
#2 alpha-BHC

R.T.: 3.808 min  
Delta R.T.: -0.060 min  
Response: 218312  
Conc: 0.11 ng/ml



#2 alpha-BHC

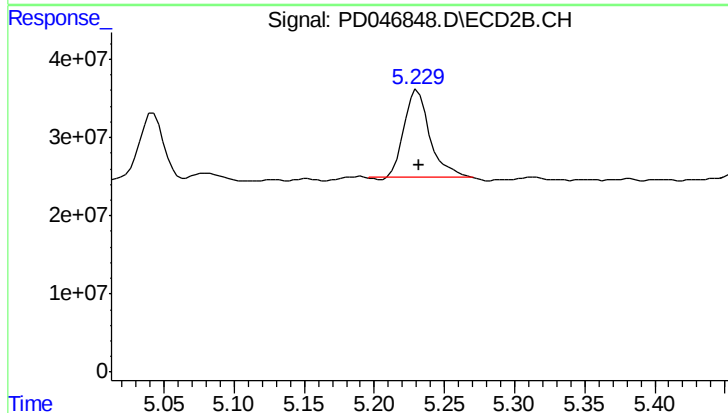
R.T.: 4.441 min  
Delta R.T.: 0.013 min  
Response: 16101317  
Conc: 0.48 ng/ml



#4 Heptachlor

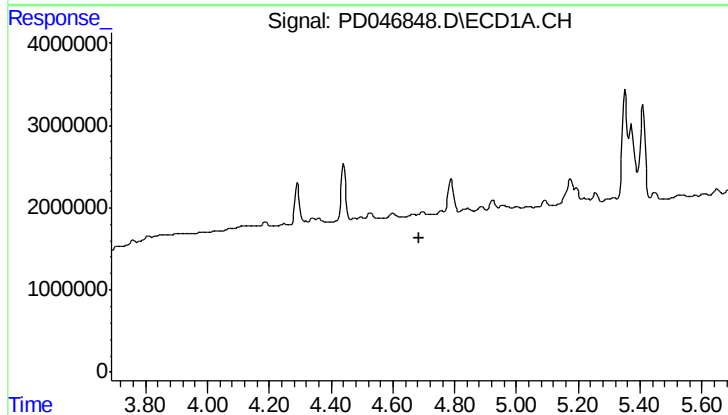
R.T.: 4.441 min  
Delta R.T.: 0.000 min  
Response: 6816153  
Conc: 3.77 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



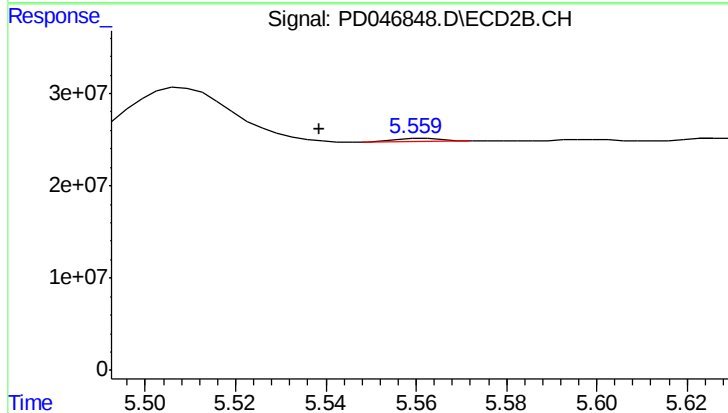
#4 Heptachlor

R.T.: 5.231 min  
Delta R.T.: 0.000 min  
Response: 142552302  
Conc: 4.85 ng/ml



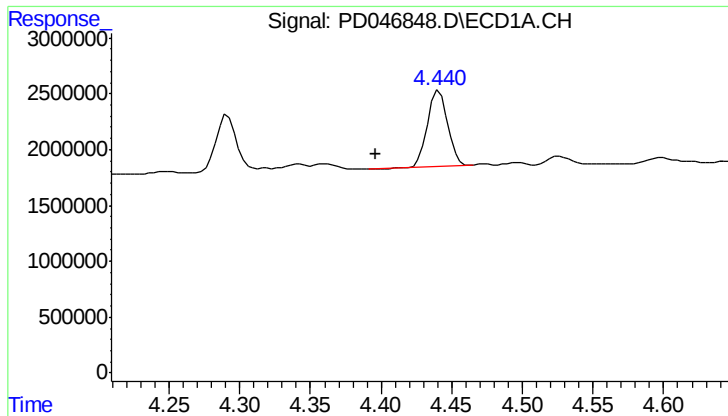
#5 Aldrin

R.T.: 0.000 min  
Exp R.T.: 4.686 min  
Response: 0  
Conc: N.D.



#5 Aldrin

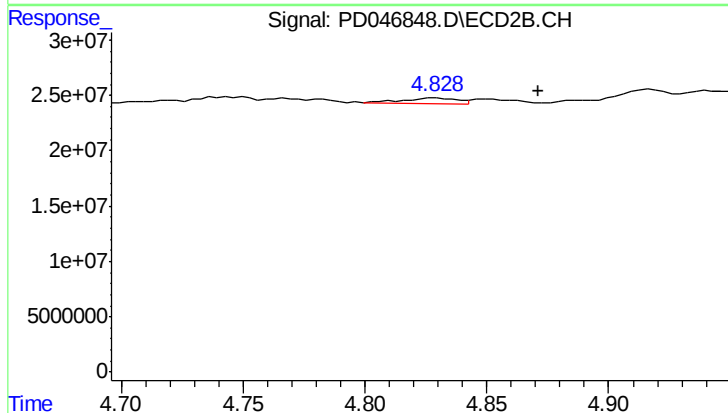
R.T.: 5.562 min  
Delta R.T.: 0.023 min  
Response: 2155790  
Conc: 0.08 ng/ml



#6 beta-BHC

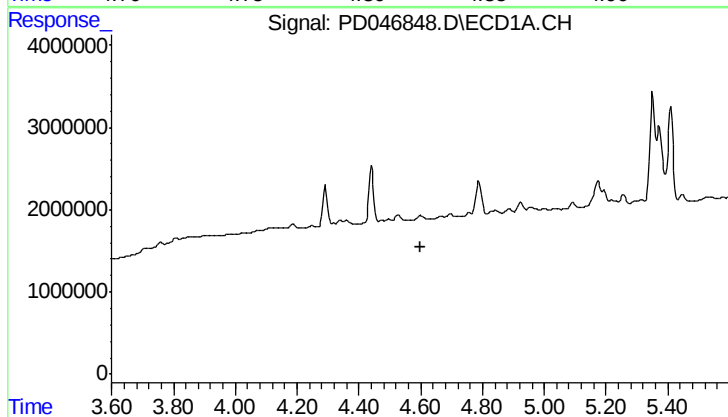
R.T.: 4.441 min  
Delta R.T.: 0.045 min  
Response: 6816153  
Conc: 8.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



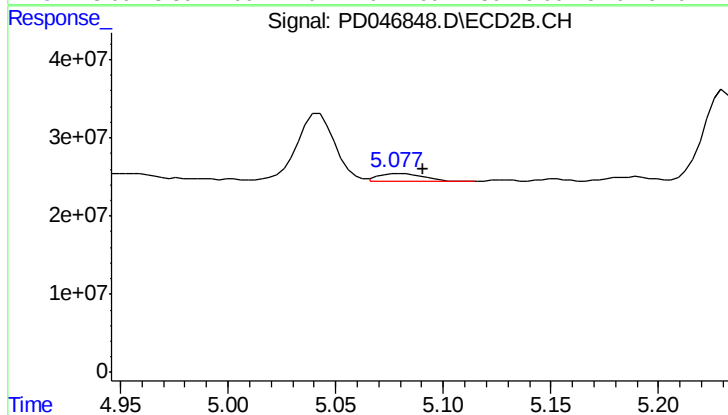
#6 beta-BHC

R.T.: 4.830 min  
Delta R.T.: -0.041 min  
Response: 6726541  
Conc: 0.50 ng/ml



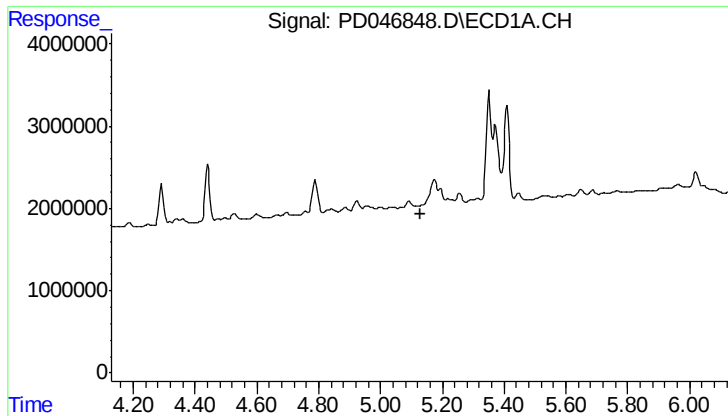
#7 delta-BHC

R.T.: 0.000 min  
Exp R.T.: 4.598 min  
Response: 0  
Conc: N.D.



#7 delta-BHC

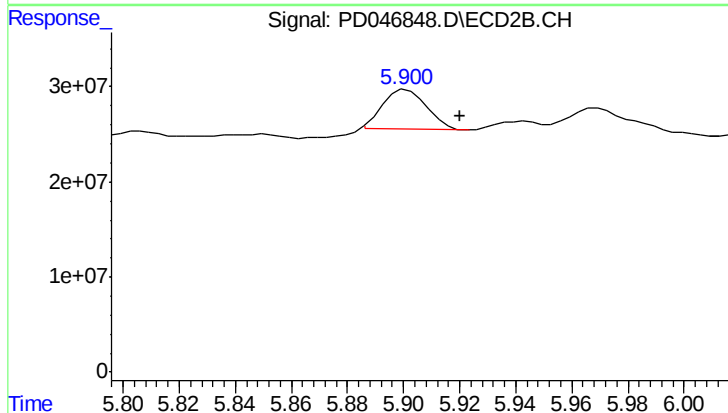
R.T.: 5.079 min  
Delta R.T.: -0.012 min  
Response: 14693711  
Conc: 0.48 ng/ml



#8 Heptachlor epoxide

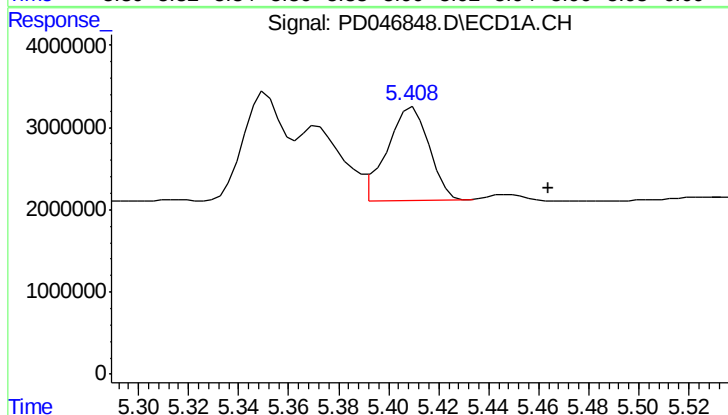
R.T.: 0.000 min  
Exp R.T.: 5.128 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



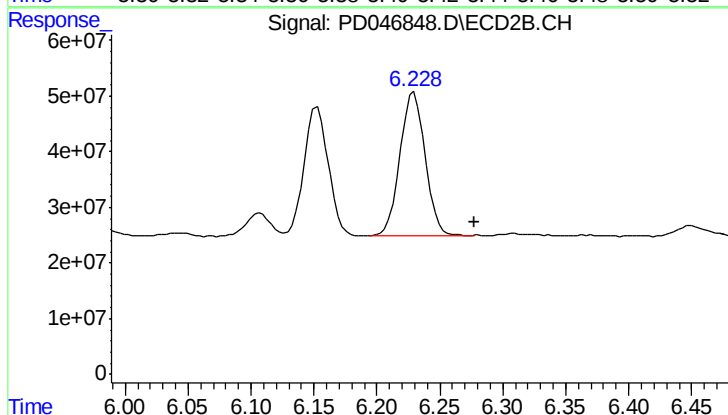
#8 Heptachlor epoxide

R.T.: 5.901 min  
Delta R.T.: -0.019 min  
Response: 44452881  
Conc: 1.73 ng/ml



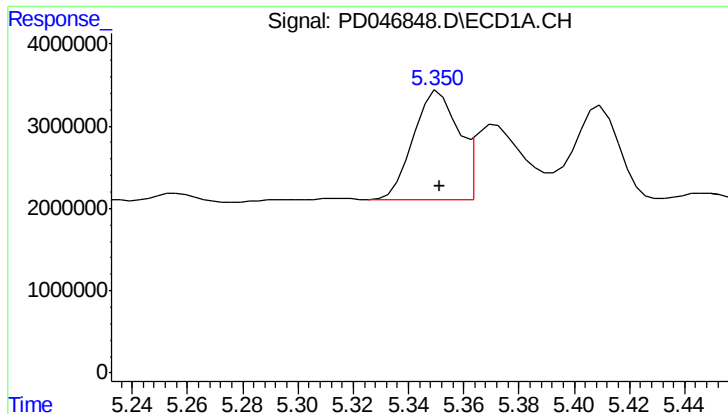
#9 Endosulfan I

R.T.: 5.410 min  
Delta R.T.: -0.054 min  
Response: 13176808  
Conc: 8.66 ng/ml



#9 Endosulfan I

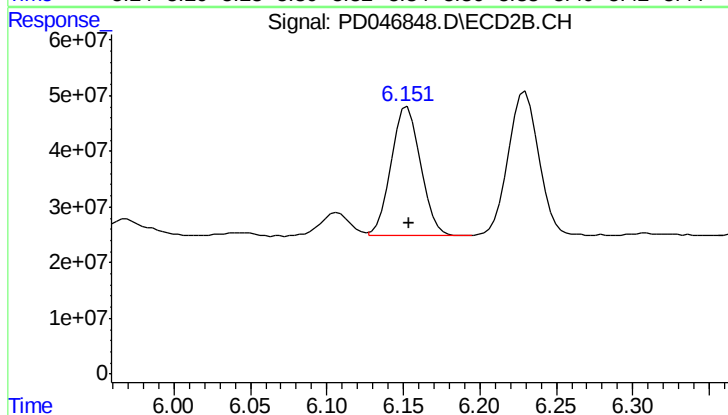
R.T.: 6.230 min  
Delta R.T.: -0.047 min  
Response: 356918794  
Conc: 15.63 ng/ml



#10 gamma-Chlordane

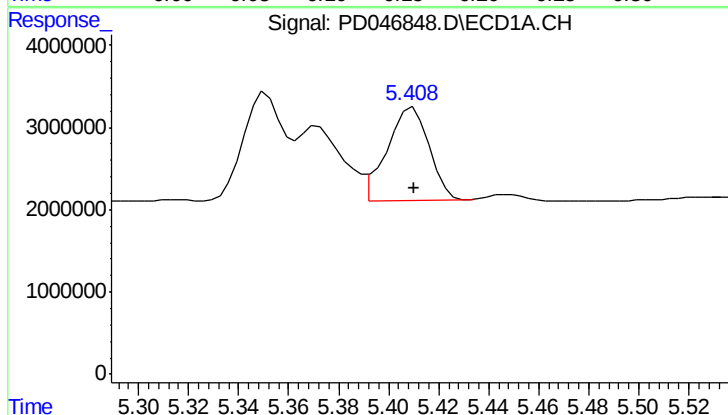
R.T.: 5.351 min  
Delta R.T.: 0.000 min  
Response: 14914264  
Conc: 8.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



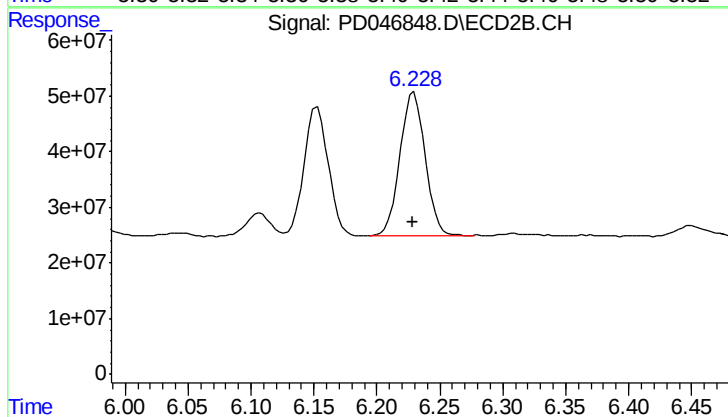
#10 gamma-Chlordane

R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 310662895  
Conc: 12.03 ng/ml



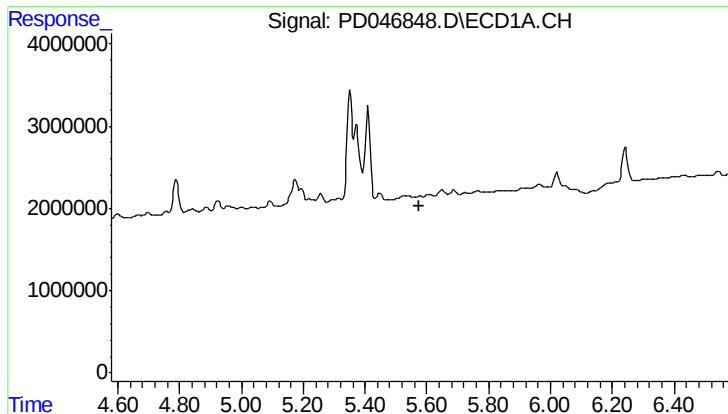
#11 alpha-Chlordane

R.T.: 5.410 min  
Delta R.T.: 0.000 min  
Response: 13176808  
Conc: 8.14 ng/ml



#11 alpha-Chlordane

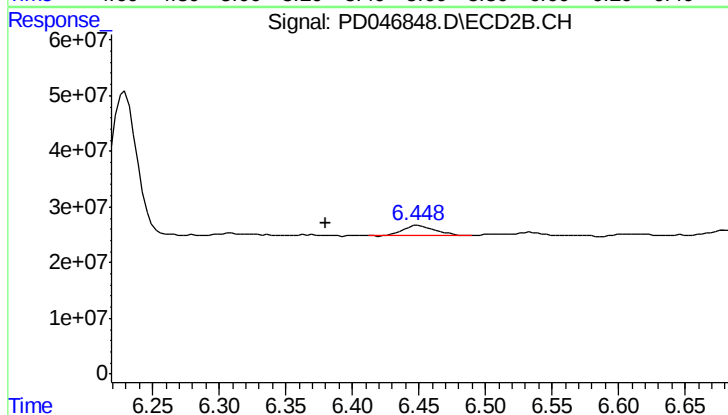
R.T.: 6.230 min  
Delta R.T.: 0.001 min  
Response: 356918794  
Conc: 14.38 ng/ml



#12 4,4'-DDE

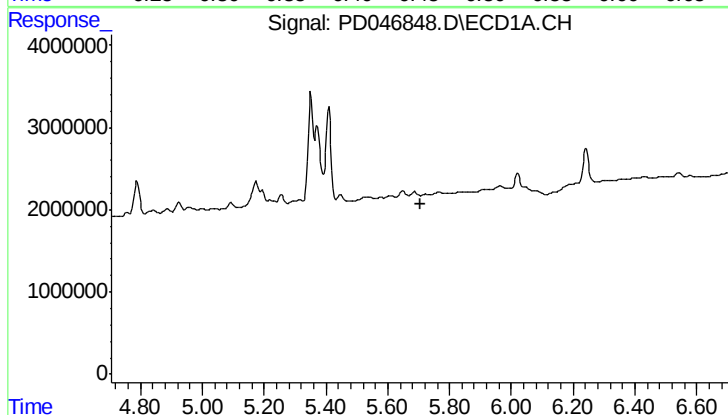
R.T.: 0.000 min  
Exp R.T.: 5.576 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



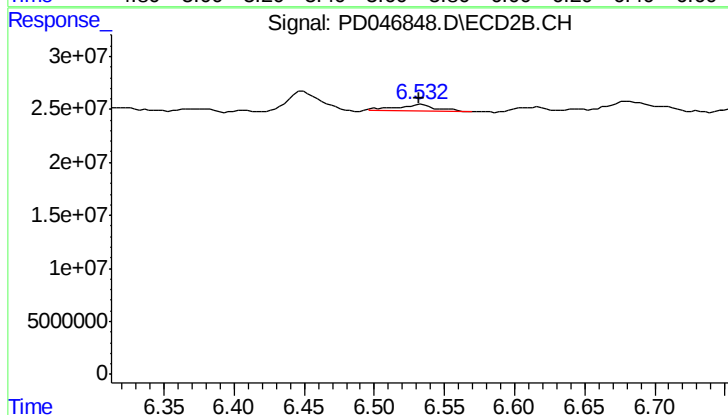
#12 4,4'-DDE

R.T.: 6.449 min  
Delta R.T.: 0.069 min  
Response: 29733615  
Conc: 1.21 ng/ml



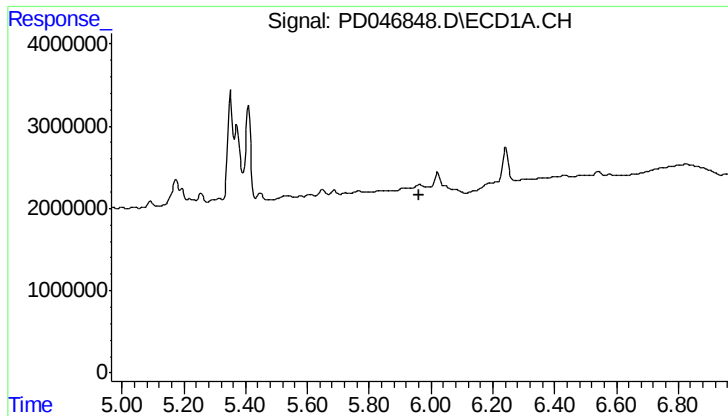
#13 Dieldrin

R.T.: 0.000 min  
Exp R.T.: 5.706 min  
Response: 0  
Conc: N.D.



#13 Dieldrin

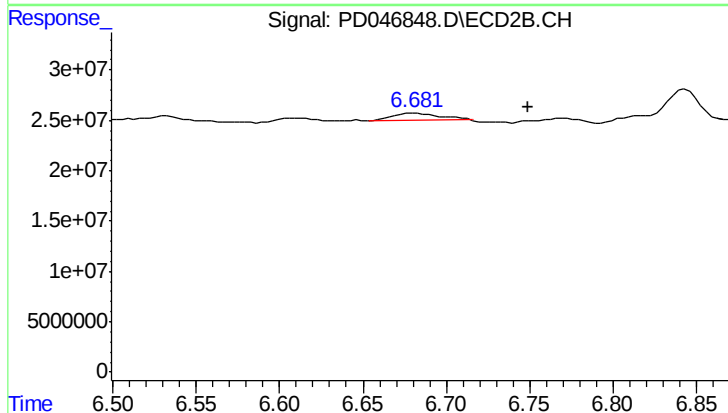
R.T.: 6.534 min  
Delta R.T.: 0.001 min  
Response: 10163240  
Conc: 0.41 ng/ml



#14 Endrin

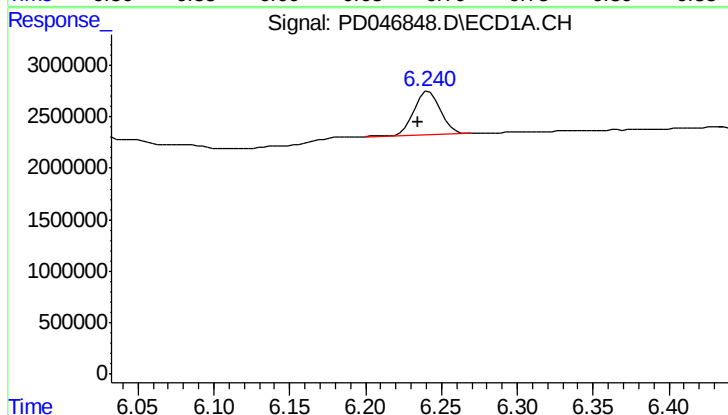
R.T.: 0.000 min  
Exp R.T.: 5.963 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



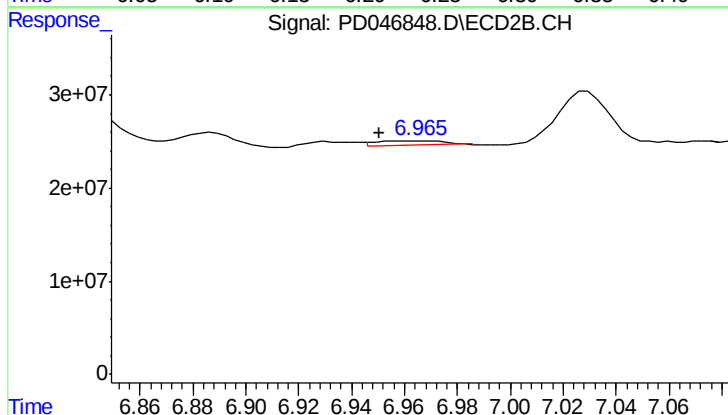
#14 Endrin

R.T.: 6.682 min  
Delta R.T.: -0.067 min  
Response: 13709181  
Conc: 0.72 ng/ml



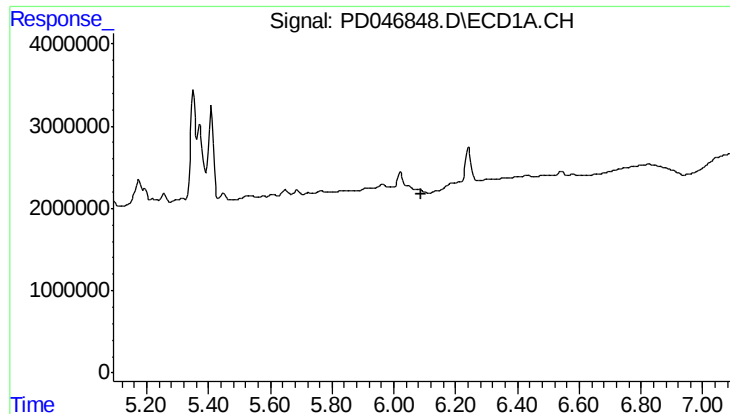
#15 Endosulfan II

R.T.: 6.242 min  
Delta R.T.: 0.007 min  
Response: 5125020  
Conc: 3.35 ng/ml



#15 Endosulfan II

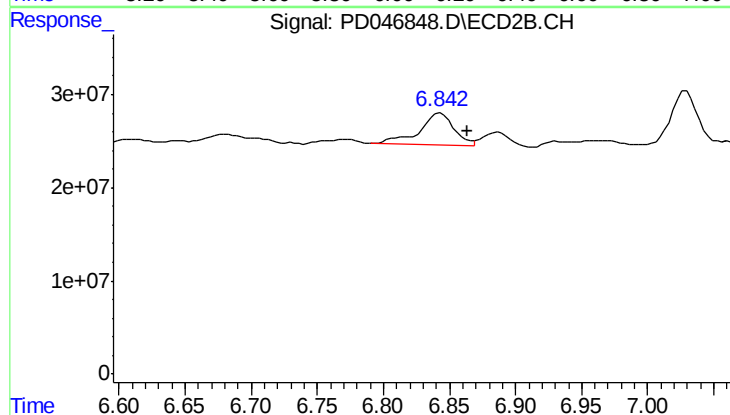
R.T.: 6.966 min  
Delta R.T.: 0.015 min  
Response: 8013153  
Conc: 0.38 ng/ml



#16 4,4'-DDD

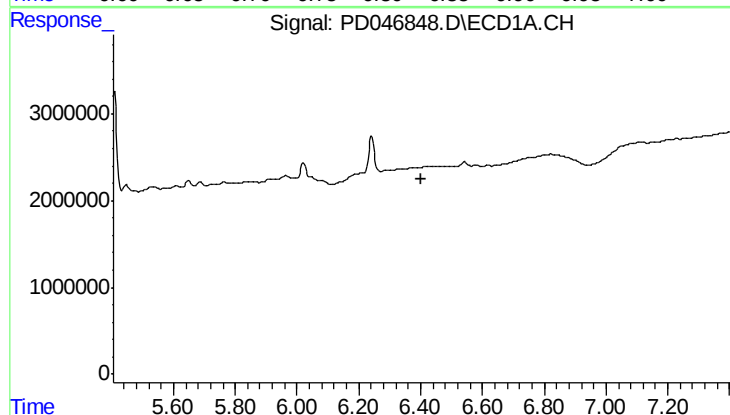
R.T.: 0.000 min  
Exp R.T.: 6.090 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



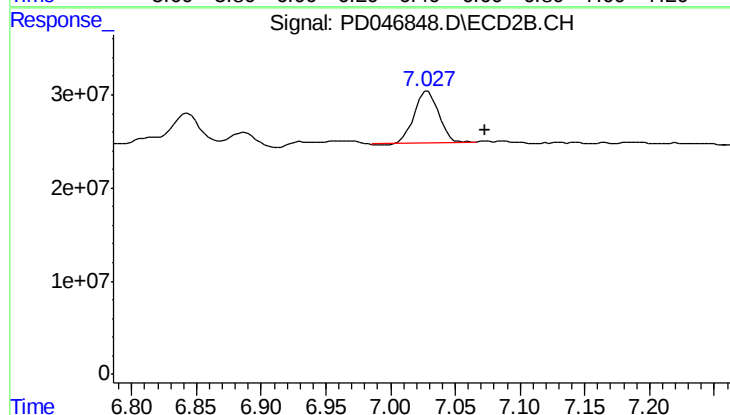
#16 4,4'-DDD

R.T.: 6.843 min  
Delta R.T.: -0.020 min  
Response: 61936552  
Conc: 3.10 ng/ml



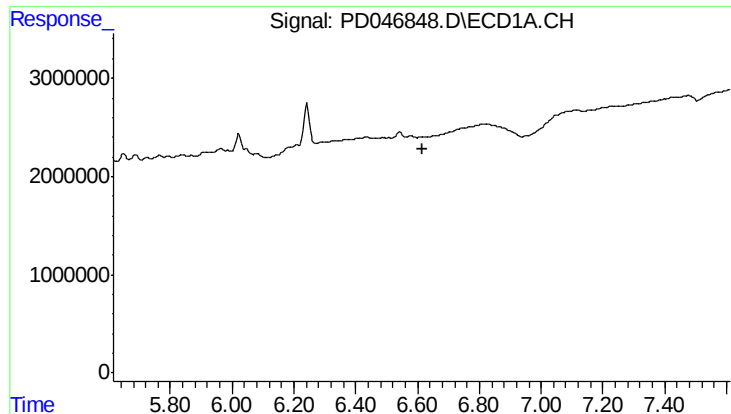
#18 Endrin aldehyde

R.T.: 0.000 min  
Exp R.T.: 6.404 min  
Response: 0  
Conc: N.D.



#18 Endrin aldehyde

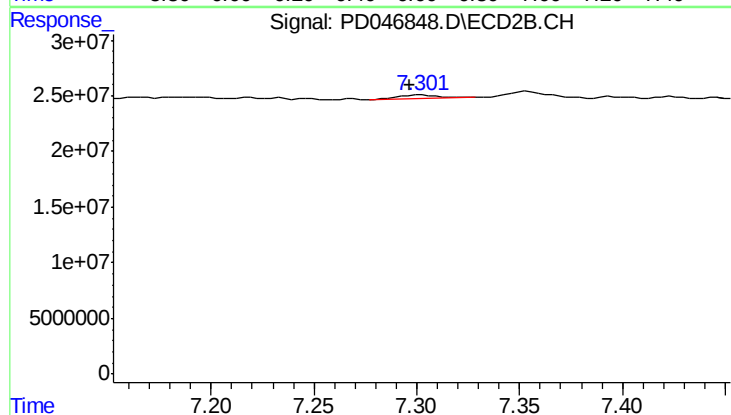
R.T.: 7.029 min  
Delta R.T.: -0.045 min  
Response: 72599064  
Conc: 4.09 ng/ml



#19 Endosulfan Sulfate

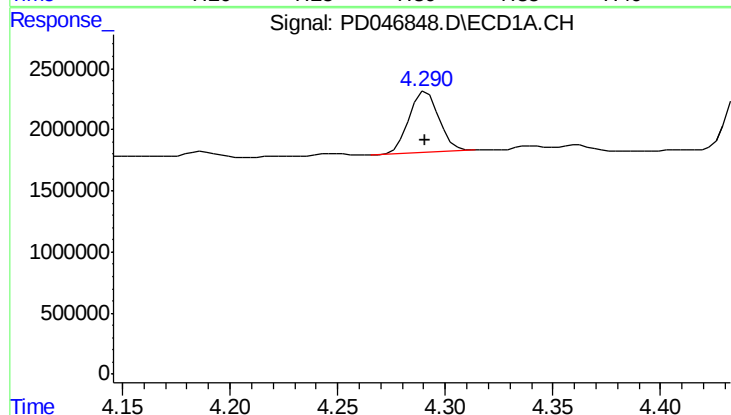
R.T.: 0.000 min  
Exp R.T.: 6.616 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



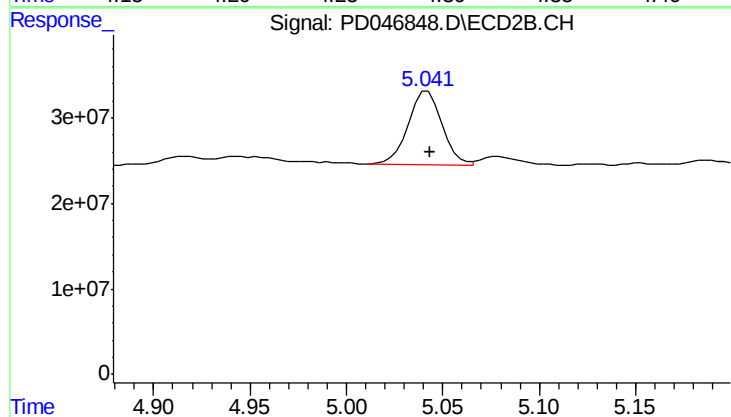
#19 Endosulfan Sulfate

R.T.: 7.303 min  
Delta R.T.: 0.006 min  
Response: 4516607  
Conc: 0.22 ng/ml



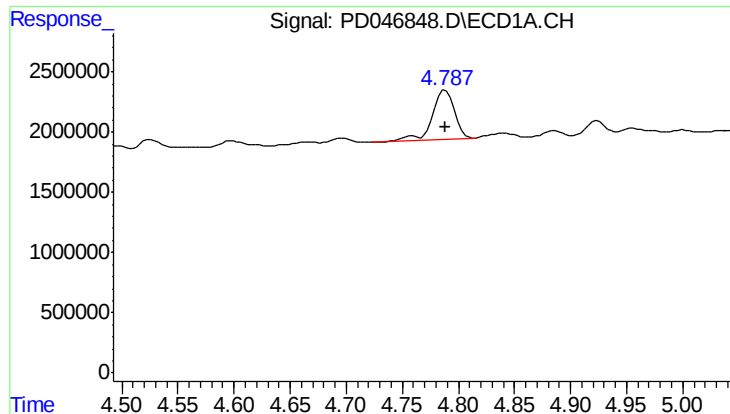
#23 Chlordane-1

R.T.: 4.291 min  
Delta R.T.: 0.000 min  
Response: 4823831  
Conc: 78.36 ng/ml



#23 Chlordane-1

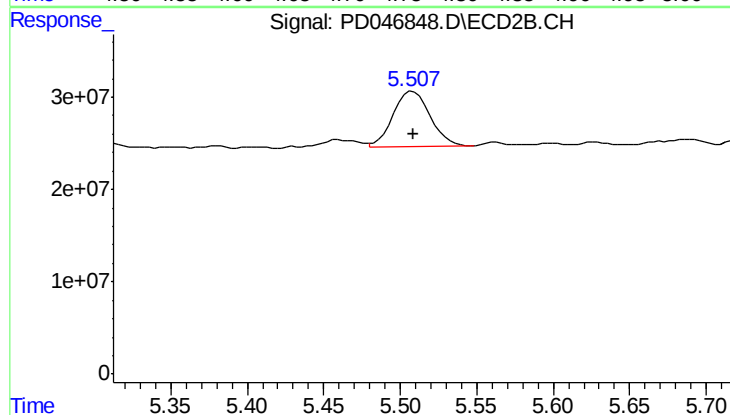
R.T.: 5.042 min  
Delta R.T.: -0.001 min  
Response: 105520508  
Conc: 90.99 ng/ml



#24 Chlordane-2

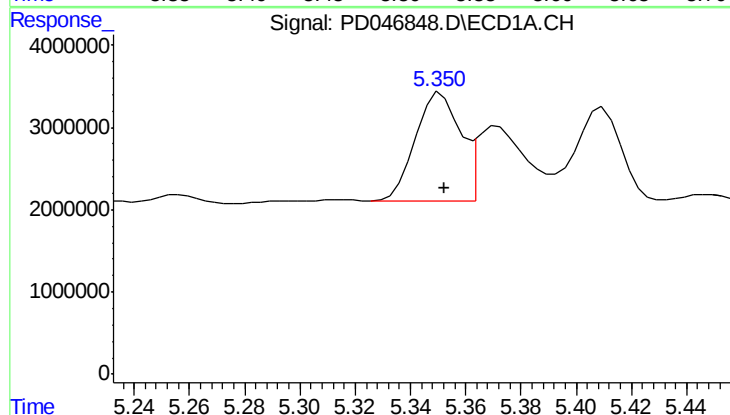
R.T.: 4.789 min  
Delta R.T.: 0.000 min  
Response: 5732274  
Conc: 92.91 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



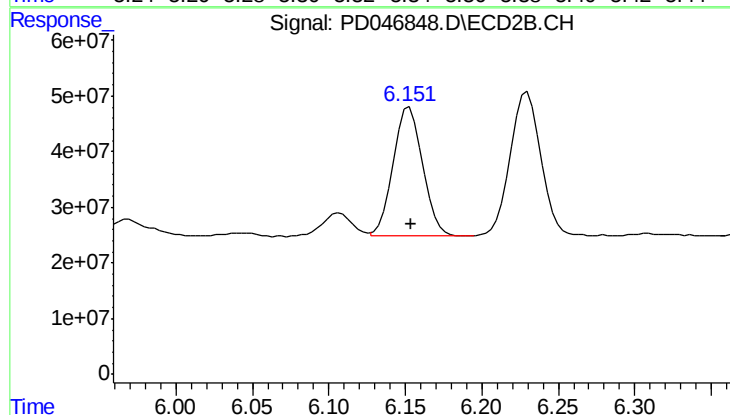
#24 Chlordane-2

R.T.: 5.508 min  
Delta R.T.: 0.000 min  
Response: 100719252  
Conc: 91.38 ng/ml



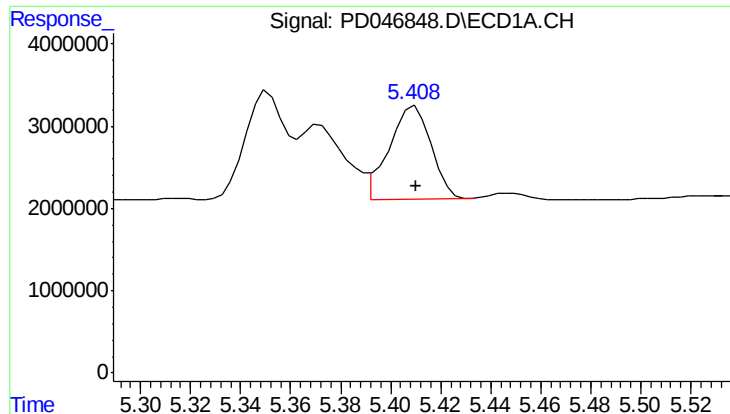
#25 Chlordane-3

R.T.: 5.351 min  
Delta R.T.: 0.000 min  
Response: 14914264  
Conc: 79.33 ng/ml



#25 Chlordane-3

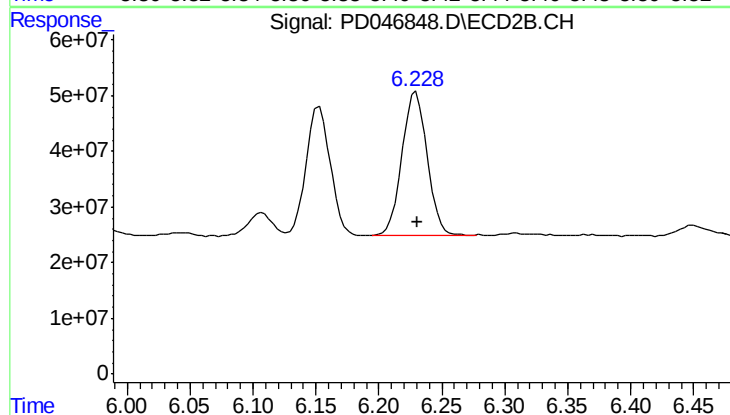
R.T.: 6.153 min  
Delta R.T.: 0.000 min  
Response: 310662895  
Conc: 88.35 ng/ml



#26 Chlordane-4

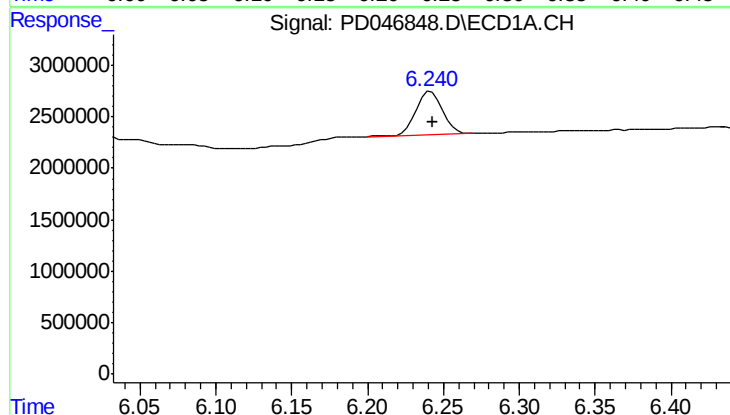
R.T.: 5.410 min  
Delta R.T.: 0.000 min  
Response: 13176808  
Conc: 79.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



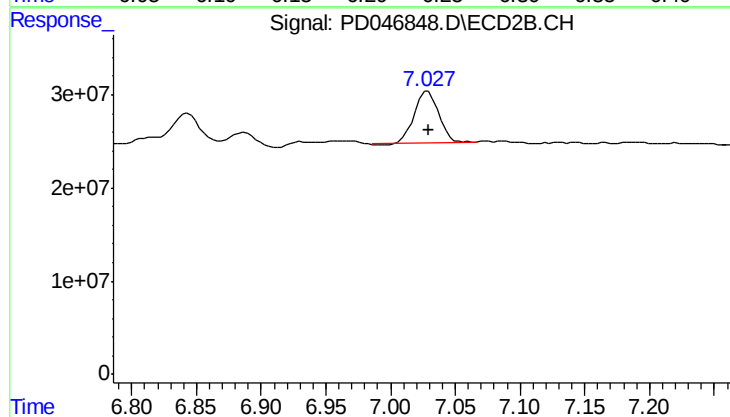
#26 Chlordane-4

R.T.: 6.230 min  
Delta R.T.: 0.000 min  
Response: 356918794  
Conc: 88.68 ng/ml



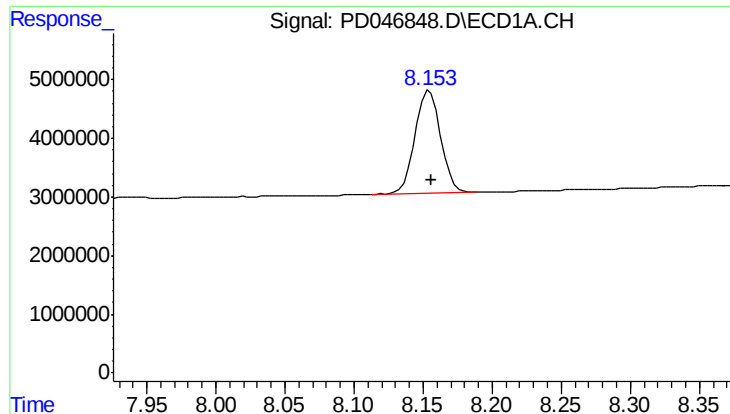
#27 Chlordane-5

R.T.: 6.242 min  
Delta R.T.: -0.001 min  
Response: 5125020  
Conc: 84.02 ng/ml



#27 Chlordane-5

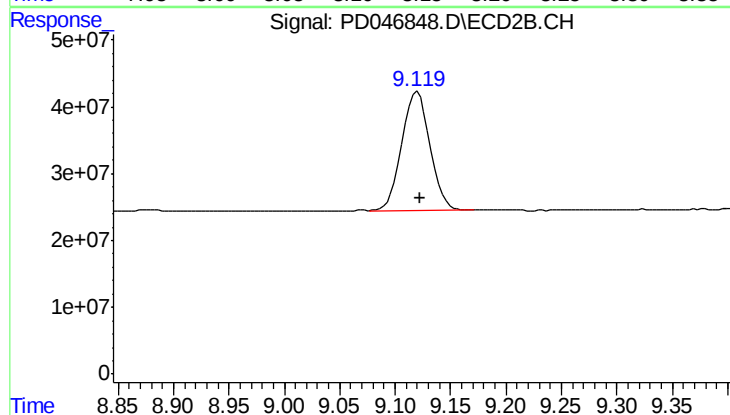
R.T.: 7.029 min  
Delta R.T.: 0.000 min  
Response: 72599064  
Conc: 85.03 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.155 min  
Delta R.T.: -0.002 min  
Response: 22585676  
Conc: 16.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
LOD CHLOR



#28 Decachlorobiphenyl

R.T.: 9.120 min  
Delta R.T.: -0.002 min  
Response: 314388599  
Conc: 17.47 ng/ml