

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082319\  
 Data File : PL051764.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Aug 2019 16:42  
 Operator : SG\AJ  
 Sample : K4475-07MSD  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 23 22:46:58 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL081919.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Aug 19 18:03:07 2019  
 Response via : Initial Calibration  
 Integrator: ChemStation

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 x0.5µm

|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml    | ng/ml      |
|-----------------------------|-----------------|--------|--------|----------|----------|----------|------------|
| -----                       |                 |        |        |          |          |          |            |
| System Monitoring Compounds |                 |        |        |          |          |          |            |
| 1)                          | SA Tetrachlo... | 3.314  | 3.925  | 177.1E6  | 44138174 | 20.688   | 20.202     |
| 2)                          | SA Decachlor... | 7.972  | 8.952  | 178.6E6  | 44056329 | 14.714   | 14.474     |
| Target Compounds            |                 |        |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.741  | 4.313  | 769.1E6  | 178.7E6  | 53.076   | 55.441     |
| 3)                          | MA gamma-BHC... | 4.016  | 4.596  | 704.9E6  | 176.6E6  | 53.576   | 56.084     |
| 4)                          | MA Heptachlor   | 4.300  | 5.098  | 798.7E6  | 189.0E6  | 52.757   | 53.904     |
| 5)                          | MB Aldrin       | 4.537  | 5.399  | 756.8E6  | 181.6E6  | 52.372   | 55.396     |
| 6)                          | B beta-BHC      | 4.271  | 4.774  | 304.5E6  | 82515818 | 53.319   | 56.618     |
| 7)                          | B delta-BHC     | 4.464  | 4.987  | 718.5E6  | 154.3E6  | 48.324   | 49.300     |
| 8)                          | B Heptachlo...  | 4.973  | 5.786  | 686.4E6  | 170.2E6  | 49.080   | 50.432     |
| 9)                          | A Endosulfan I  | 5.304  | 6.141  | 623.1E6  | 165.1E6  | 46.347   | 51.078     |
| 10)                         | B gamma-Chl...  | 5.196  | 6.020  | 735.2E6  | 181.6E6  | 49.234   | 49.743     |
| 11)                         | B alpha-Chl...  | 5.251  | 6.091  | 702.6E6  | 180.1E6  | 48.552   | 52.180     |
| 12)                         | B 4,4'-DDE      | 5.418  | 6.252  | 711.8E6  | 171.1E6  | 52.009   | 48.607     |
| 13)                         | MA Dieldrin     | 5.542  | 6.397  | 786.3E6  | 179.1E6  | 51.717   | 52.298     |
| 14)                         | MA Endrin       | 5.795  | 6.614  | 686.9E6  | 159.0E6  | 47.091   | 52.583     |
| 15)                         | B Endosulfa...  | 6.070  | 6.826  | 631.5E6  | 167.2E6  | 45.389   | 50.721     |
| 16)                         | A 4,4'-DDD      | 5.929  | 6.742  | 547.5E6  | 151.9E6  | 44.706   | 56.102 #   |
| 17)                         | MA 4,4'-DDT     | 6.163  | 7.039  | 636.0E6  | 147.4E6  | 49.877   | 50.345     |
| 18)                         | B Endrin al...  | 6.237  | 6.951  | 519.6E6  | 132.8E6  | 44.662   | 46.977     |
| 19)                         | B Endosulfa...  | 6.448  | 7.174  | 756.8E6  | 160.7E6  | 58.174   | 52.045     |
| 20)                         | A Methoxychlor  | 6.707  | 7.500  | 358.8E6  | 80931984 | 52.922   | 48.254     |
| 21)                         | B Endrin ke...  | 6.929  | 7.642  | 660.6E6  | 165.9E6  | 46.693   | 51.857     |
| 22)                         | Mirex           | 7.102  | 8.089  | 457.9E6  | 125.5E6  | 43.245   | 51.596     |
| 23)                         | Chlordane-1     | 4.164  | 0.000  | 6872978  | 0        | 21.333   | N.D. #     |
| 24)                         | Chlordane-2     | 4.674f | 5.399f | 10980730 | 181.6E6  | 26.866   | 1809.652 # |
| 25)                         | Chlordane-3     | 5.196  | 6.020  | 735.2E6  | 181.6E6  | 566.236  | 407.628 #  |
| 26)                         | Chlordane-4     | 5.251  | 6.091  | 702.6E6  | 180.1E6  | 576.217  | 331.557 #  |
| 27)                         | Chlordane-5     | 6.070  | 0.000  | 631.5E6  | 0        | 1286.973 | N.D. #     |
| -----                       |                 |        |        |          |          |          |            |

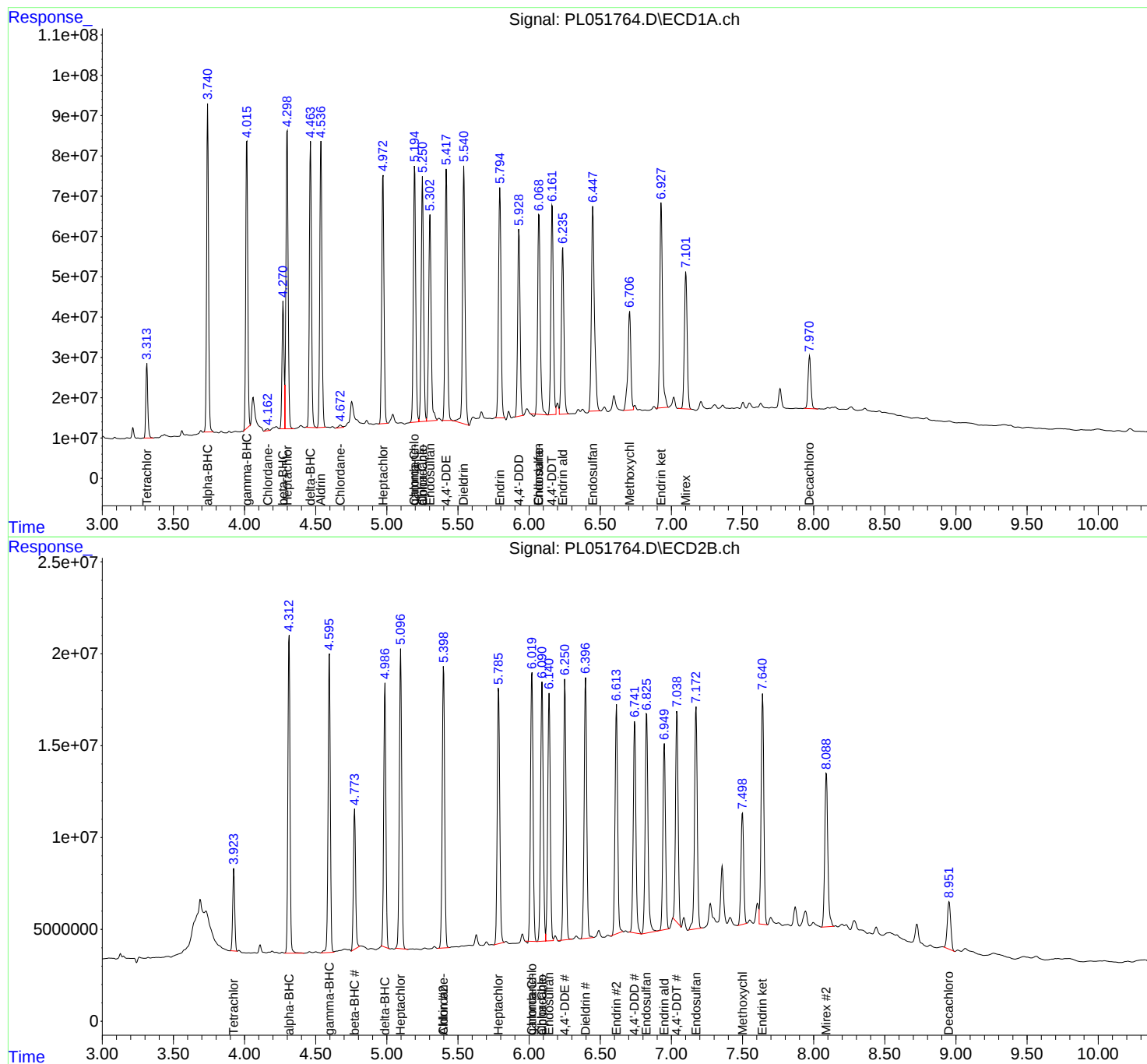
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

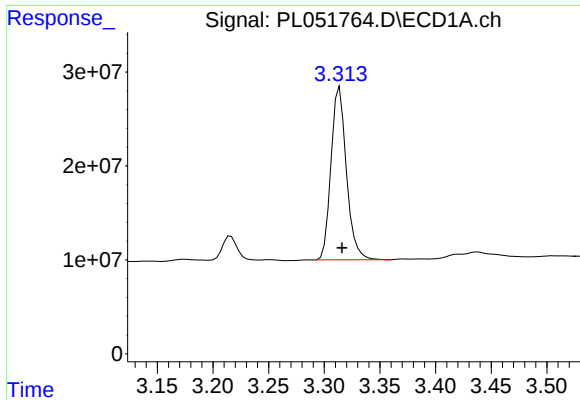
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082319\  
Data File : PL051764.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Aug 2019 16:42  
Operator : SG\AJ  
Sample : K4475-07MSD  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 23 22:46:58 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL081919.M  
Quant Title : GC Extractables  
QLast Update : Mon Aug 19 18:03:07 2019  
Response via : Initial Calibration  
Integrator: ChemStation

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 x0.5µm

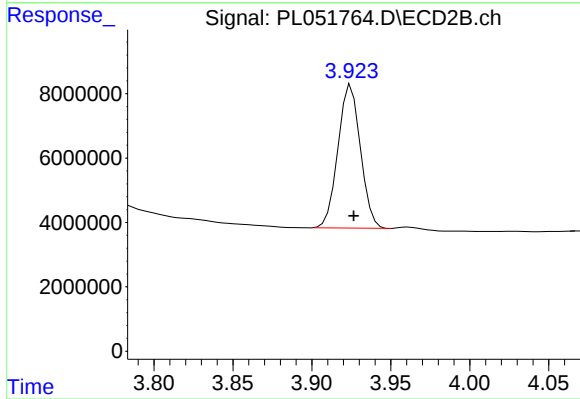




#1 Tetrachloro-m-xylene

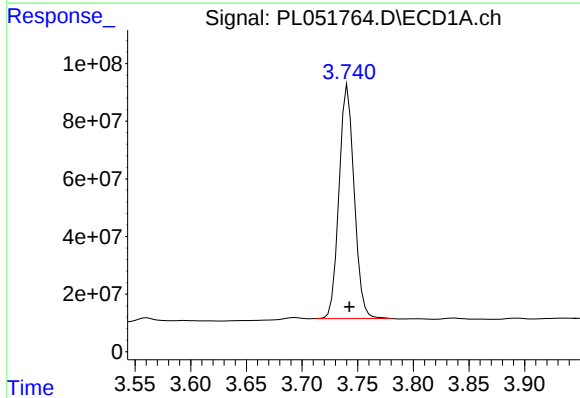
R.T.: 3.314 min  
Delta R.T.: -0.002 min  
Response: 177063077  
Conc: 20.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



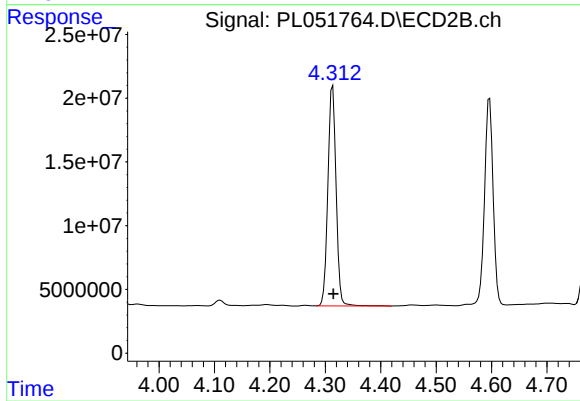
#1 Tetrachloro-m-xylene

R.T.: 3.925 min  
Delta R.T.: -0.002 min  
Response: 44138174  
Conc: 20.20 ng/ml



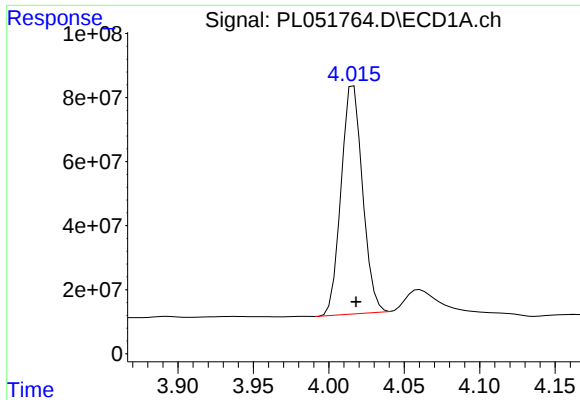
#2 alpha-BHC

R.T.: 3.741 min  
Delta R.T.: -0.001 min  
Response: 769057130  
Conc: 53.08 ng/ml



#2 alpha-BHC

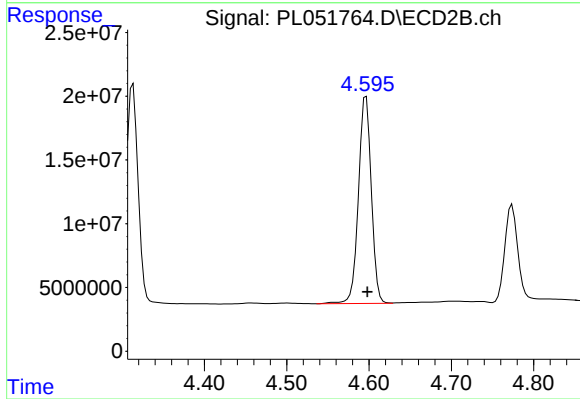
R.T.: 4.313 min  
Delta R.T.: -0.002 min  
Response: 178652160  
Conc: 55.44 ng/ml



#3 gamma-BHC (Lindane)

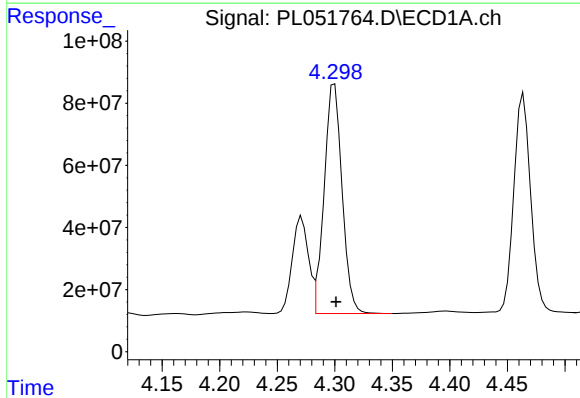
R.T.: 4.016 min  
Delta R.T.: -0.002 min  
Response: 704877333  
Conc: 53.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



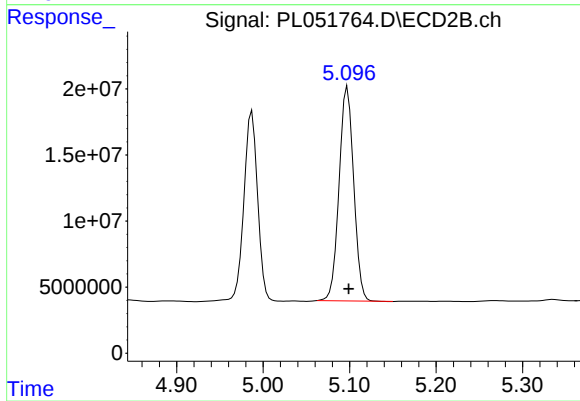
#3 gamma-BHC (Lindane)

R.T.: 4.596 min  
Delta R.T.: -0.001 min  
Response: 176568024  
Conc: 56.08 ng/ml



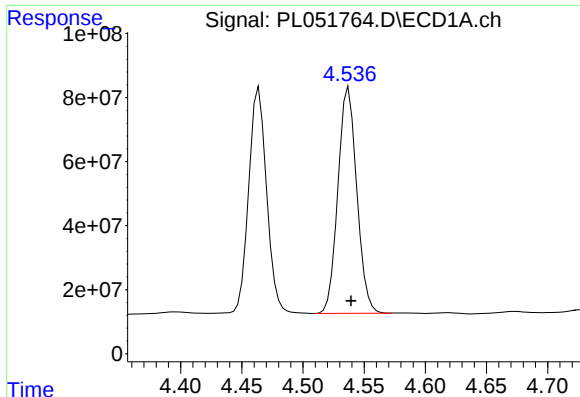
#4 Heptachlor

R.T.: 4.300 min  
Delta R.T.: -0.001 min  
Response: 798678556  
Conc: 52.76 ng/ml



#4 Heptachlor

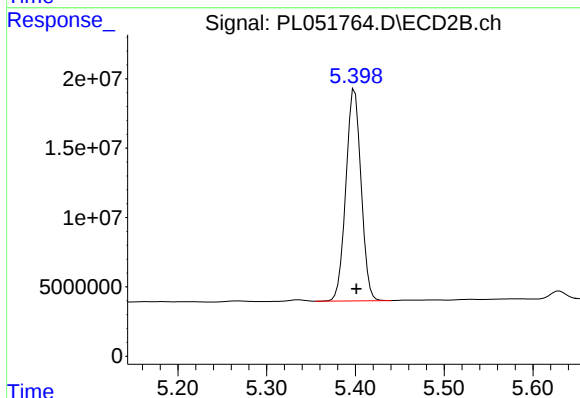
R.T.: 5.098 min  
Delta R.T.: -0.001 min  
Response: 189034467  
Conc: 53.90 ng/ml



#5 Aldrin

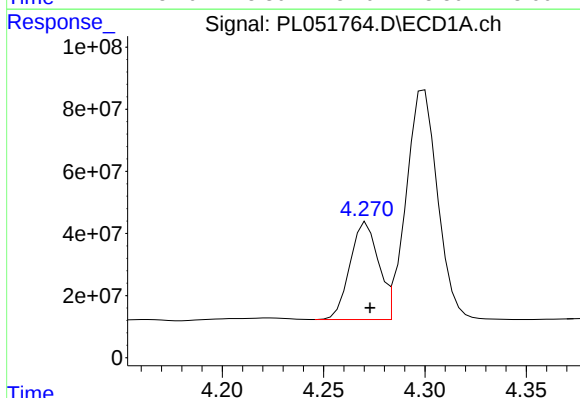
R.T.: 4.537 min  
Delta R.T.: -0.002 min  
Response: 756816936  
Conc: 52.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



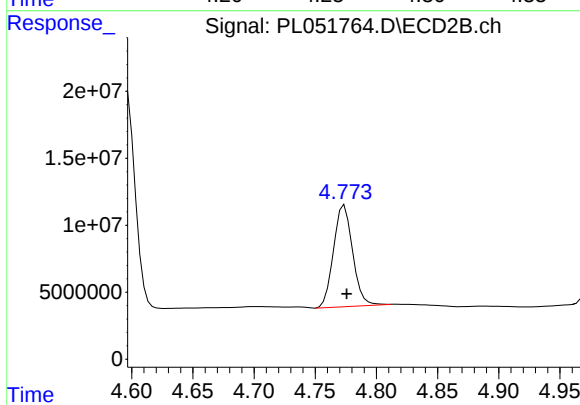
#5 Aldrin

R.T.: 5.399 min  
Delta R.T.: -0.002 min  
Response: 181635880  
Conc: 55.40 ng/ml



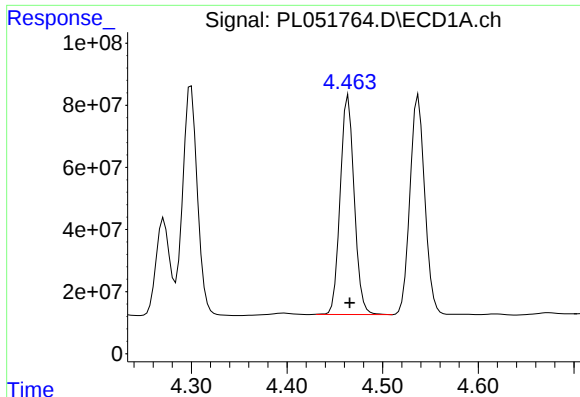
#6 beta-BHC

R.T.: 4.271 min  
Delta R.T.: -0.002 min  
Response: 304454064  
Conc: 53.32 ng/ml



#6 beta-BHC

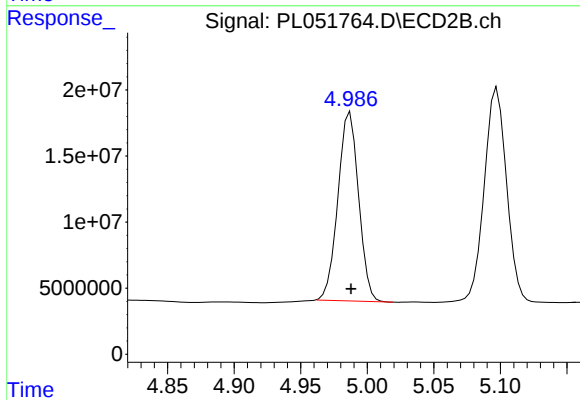
R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 82515818  
Conc: 56.62 ng/ml



#7 delta-BHC

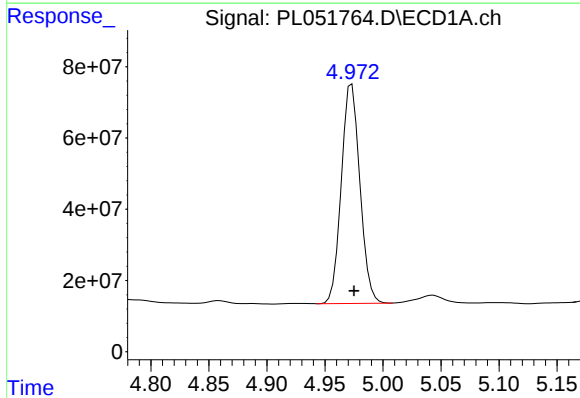
R.T.: 4.464 min  
Delta R.T.: -0.002 min  
Response: 718536701  
Conc: 48.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



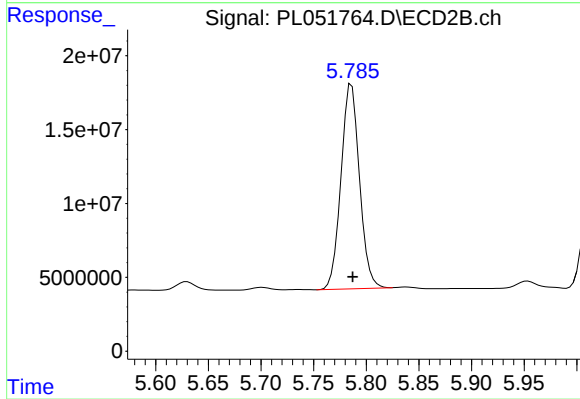
#7 delta-BHC

R.T.: 4.987 min  
Delta R.T.: 0.000 min  
Response: 154295353  
Conc: 49.30 ng/ml



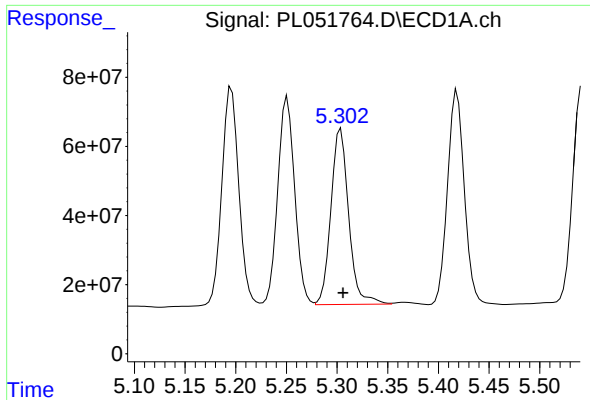
#8 Heptachlor epoxide

R.T.: 4.973 min  
Delta R.T.: -0.002 min  
Response: 686404017  
Conc: 49.08 ng/ml



#8 Heptachlor epoxide

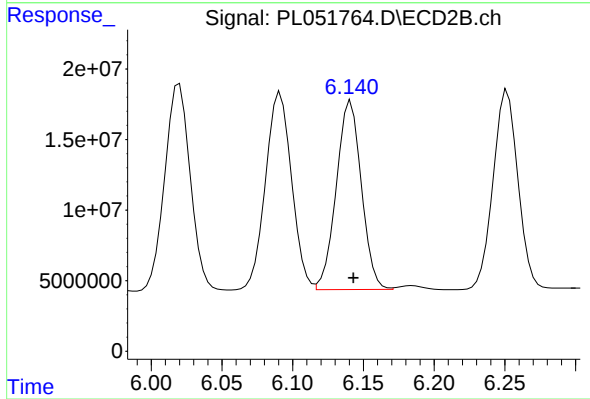
R.T.: 5.786 min  
Delta R.T.: -0.001 min  
Response: 170199843  
Conc: 50.43 ng/ml



#9 Endosulfan I

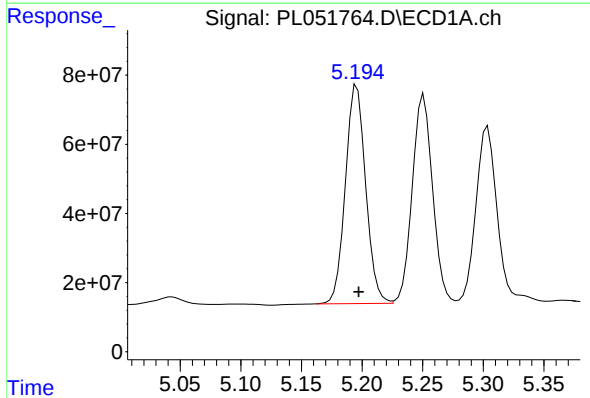
R.T.: 5.304 min  
Delta R.T.: -0.002 min  
Response: 623073772  
Conc: 46.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



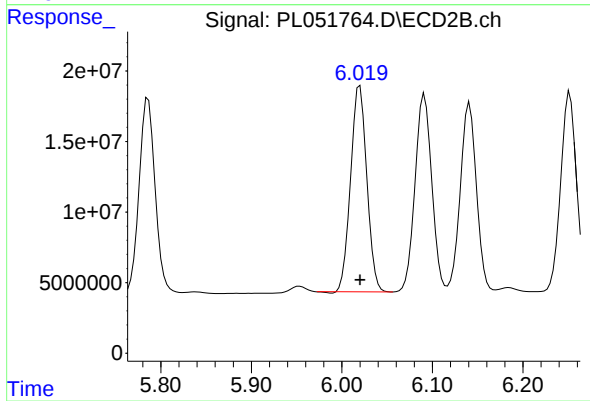
#9 Endosulfan I

R.T.: 6.141 min  
Delta R.T.: -0.002 min  
Response: 165144937  
Conc: 51.08 ng/ml



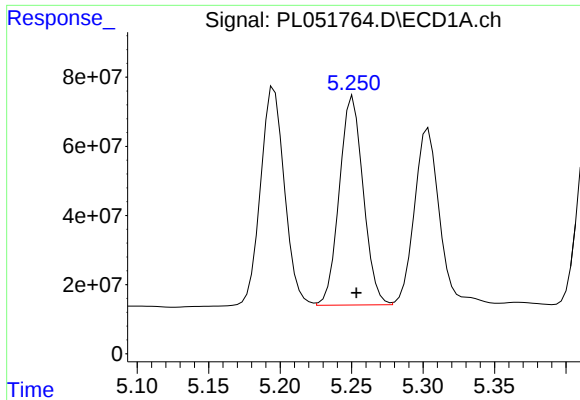
#10 gamma-Chlordane

R.T.: 5.196 min  
Delta R.T.: -0.001 min  
Response: 735166840  
Conc: 49.23 ng/ml



#10 gamma-Chlordane

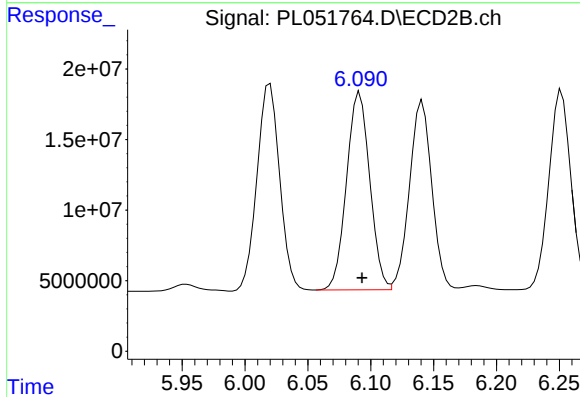
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 181614380  
Conc: 49.74 ng/ml



#11 alpha-Chlordane

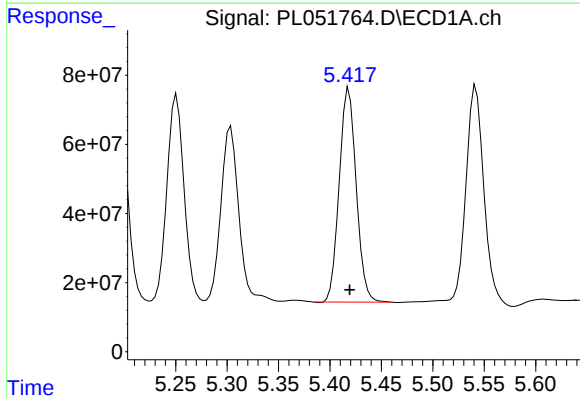
R.T.: 5.251 min  
Delta R.T.: -0.002 min  
Response: 702614718  
Conc: 48.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



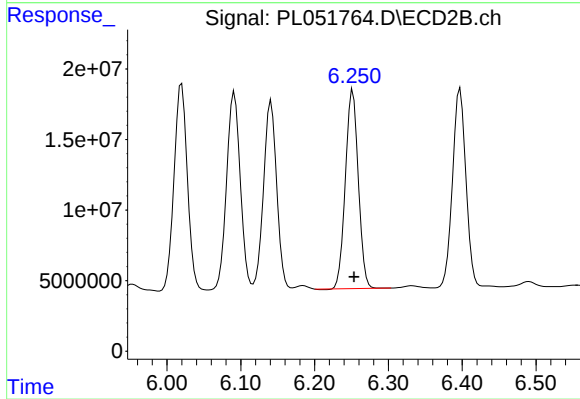
#11 alpha-Chlordane

R.T.: 6.091 min  
Delta R.T.: -0.002 min  
Response: 180072712  
Conc: 52.18 ng/ml



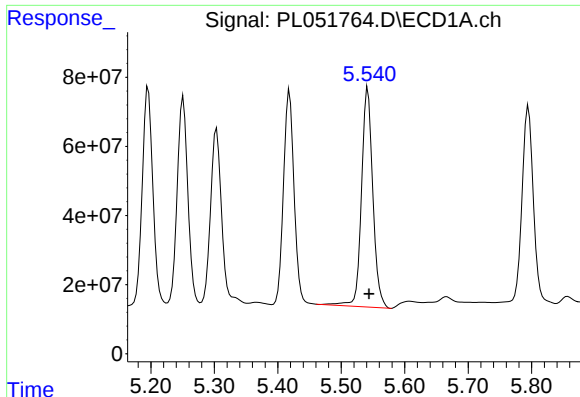
#12 4,4'-DDE

R.T.: 5.418 min  
Delta R.T.: 0.000 min  
Response: 711781412  
Conc: 52.01 ng/ml



#12 4,4'-DDE

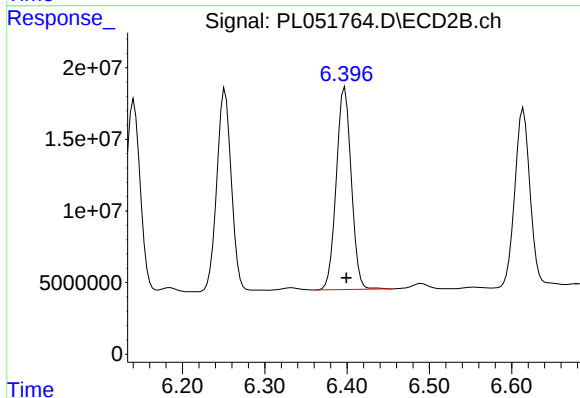
R.T.: 6.252 min  
Delta R.T.: -0.002 min  
Response: 171098200  
Conc: 48.61 ng/ml



#13 Dieldrin

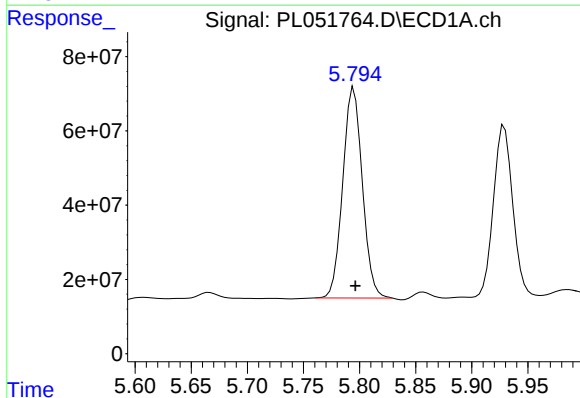
R.T.: 5.542 min  
Delta R.T.: -0.002 min  
Response: 786348361  
Conc: 51.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



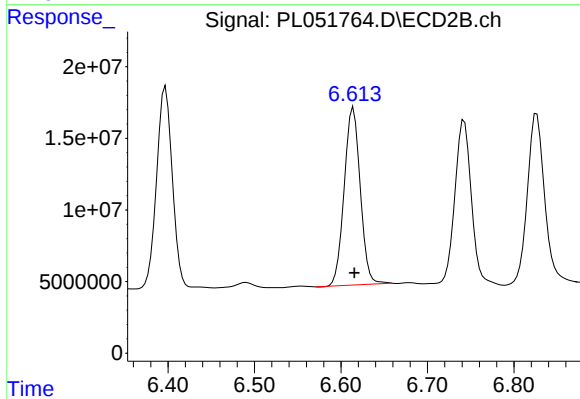
#13 Dieldrin

R.T.: 6.397 min  
Delta R.T.: -0.002 min  
Response: 179097593  
Conc: 52.30 ng/ml



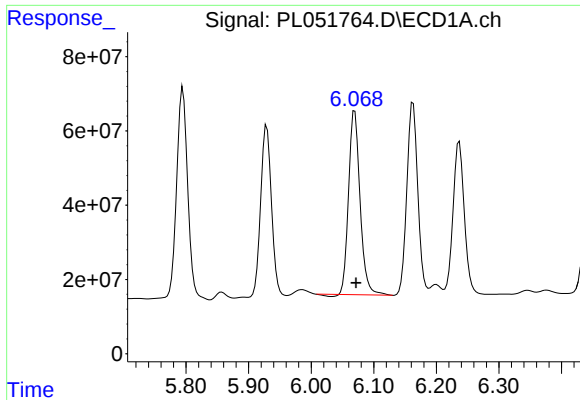
#14 Endrin

R.T.: 5.795 min  
Delta R.T.: -0.001 min  
Response: 686871378  
Conc: 47.09 ng/ml



#14 Endrin

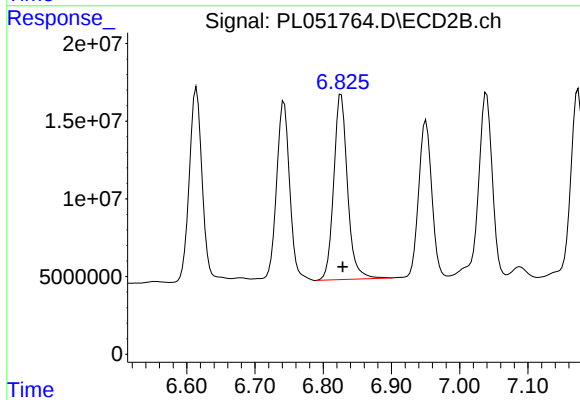
R.T.: 6.614 min  
Delta R.T.: -0.001 min  
Response: 159044395  
Conc: 52.58 ng/ml



#15 Endosulfan II

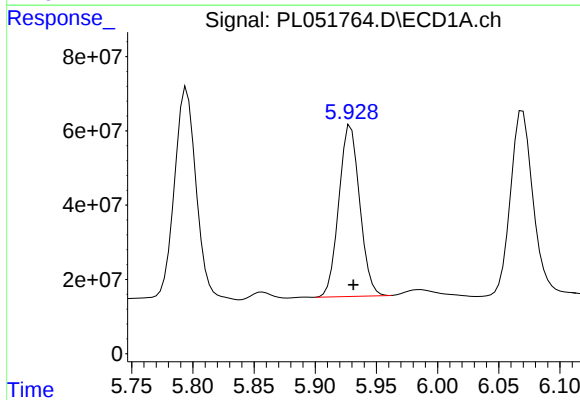
R.T.: 6.070 min  
Delta R.T.: -0.002 min  
Response: 631539861  
Conc: 45.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



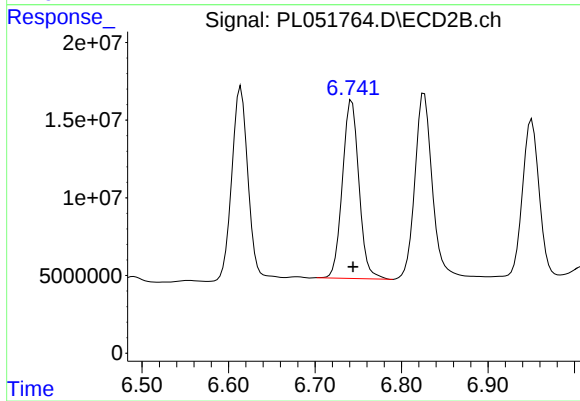
#15 Endosulfan II

R.T.: 6.826 min  
Delta R.T.: -0.003 min  
Response: 167178509  
Conc: 50.72 ng/ml



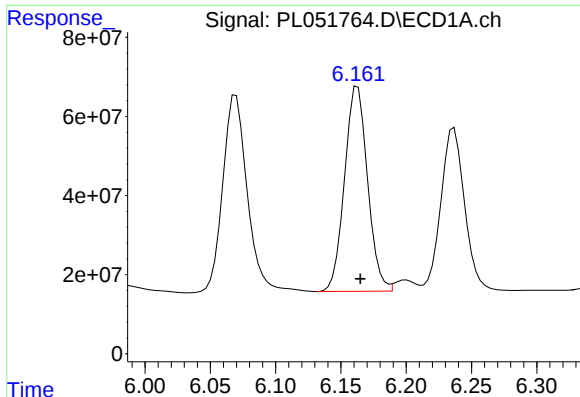
#16 4,4'-DDD

R.T.: 5.929 min  
Delta R.T.: -0.002 min  
Response: 547453133  
Conc: 44.71 ng/ml



#16 4,4'-DDD

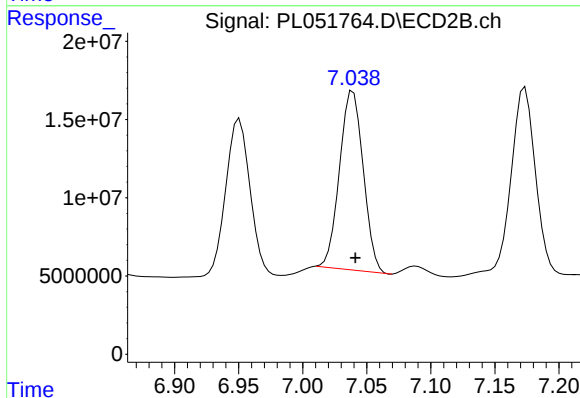
R.T.: 6.742 min  
Delta R.T.: -0.002 min  
Response: 151885930  
Conc: 56.10 ng/ml



#17 4,4'-DDT

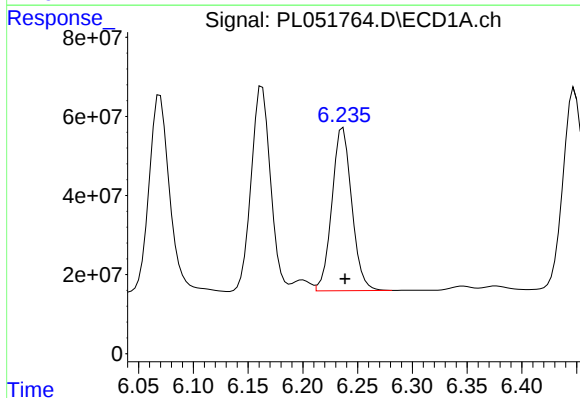
R.T.: 6.163 min  
Delta R.T.: -0.002 min  
Response: 635996832  
Conc: 49.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



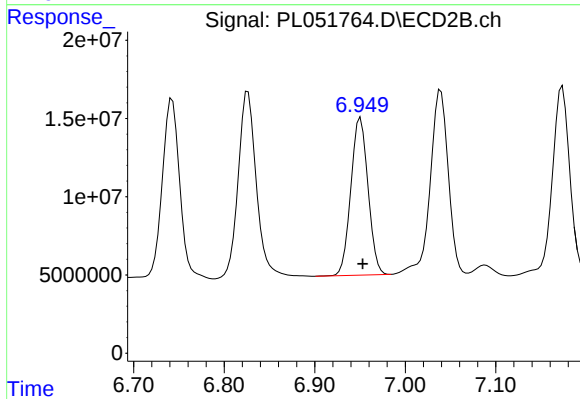
#17 4,4'-DDT

R.T.: 7.039 min  
Delta R.T.: -0.002 min  
Response: 147393890  
Conc: 50.34 ng/ml



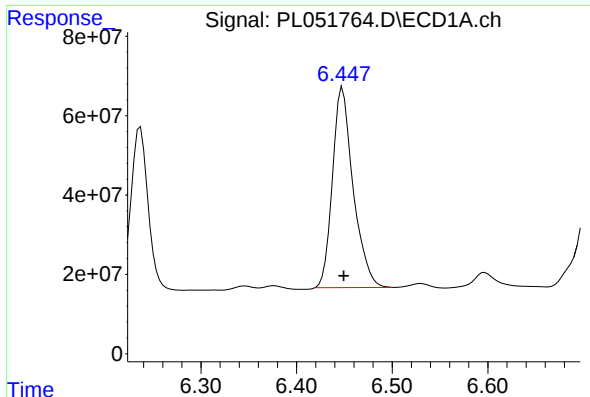
#18 Endrin aldehyde

R.T.: 6.237 min  
Delta R.T.: -0.002 min  
Response: 519556602  
Conc: 44.66 ng/ml



#18 Endrin aldehyde

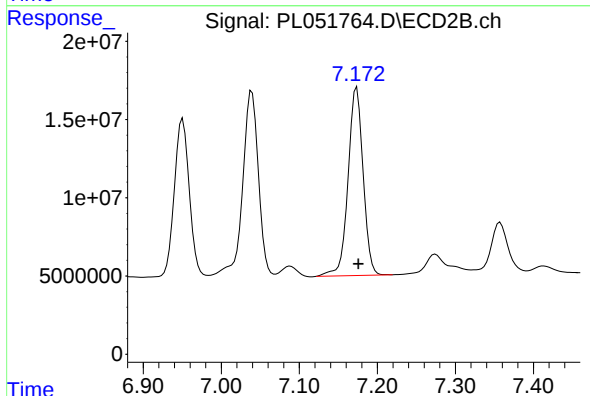
R.T.: 6.951 min  
Delta R.T.: -0.002 min  
Response: 132767776  
Conc: 46.98 ng/ml



#19 Endosulfan Sulfate

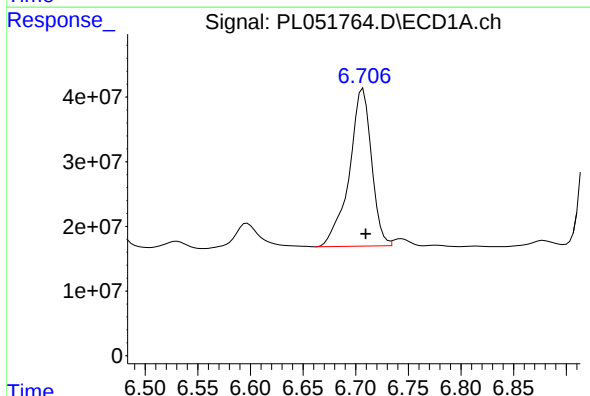
R.T.: 6.448 min  
Delta R.T.: -0.001 min  
Response: 756783008  
Conc: 58.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



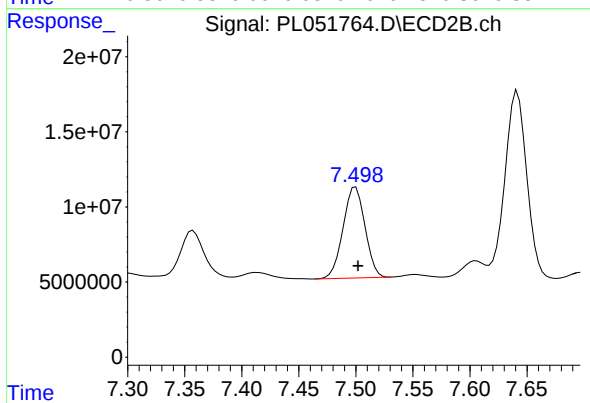
#19 Endosulfan Sulfate

R.T.: 7.174 min  
Delta R.T.: -0.002 min  
Response: 160718511  
Conc: 52.05 ng/ml



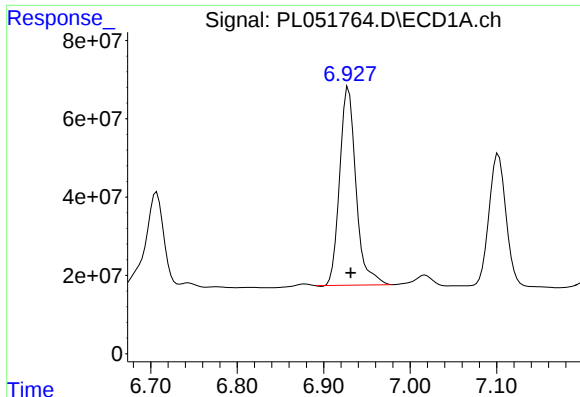
#20 Methoxychlor

R.T.: 6.707 min  
Delta R.T.: -0.003 min  
Response: 358796729  
Conc: 52.92 ng/ml



#20 Methoxychlor

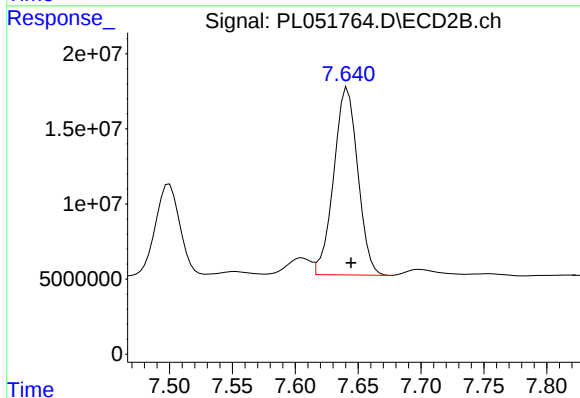
R.T.: 7.500 min  
Delta R.T.: -0.002 min  
Response: 80931984  
Conc: 48.25 ng/ml



#21 Endrin ketone

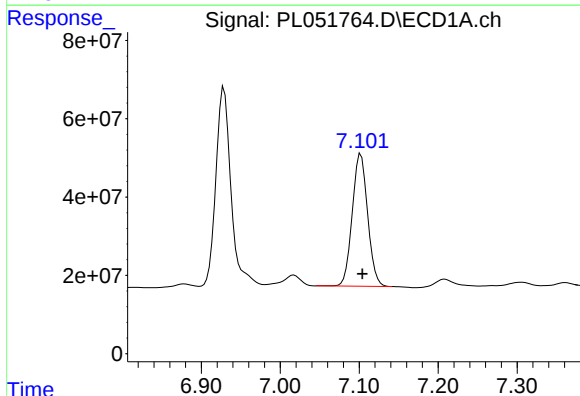
R.T.: 6.929 min  
Delta R.T.: -0.002 min  
Response: 660568330  
Conc: 46.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



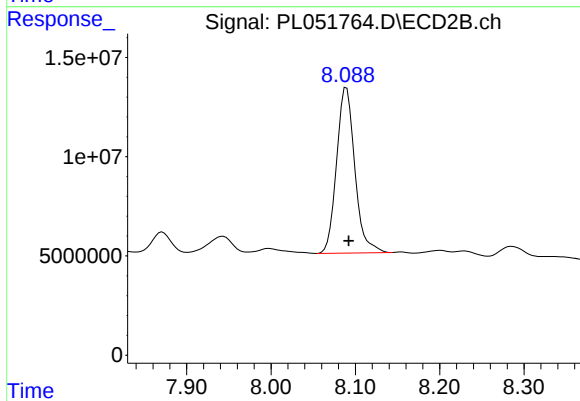
#21 Endrin ketone

R.T.: 7.642 min  
Delta R.T.: -0.003 min  
Response: 165916588  
Conc: 51.86 ng/ml



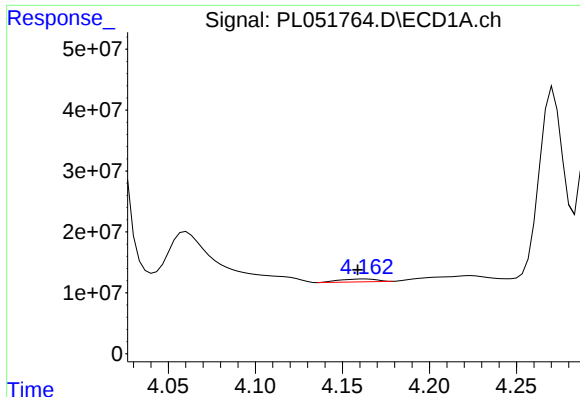
#22 Mirex

R.T.: 7.102 min  
Delta R.T.: -0.002 min  
Response: 457850096  
Conc: 43.24 ng/ml



#22 Mirex

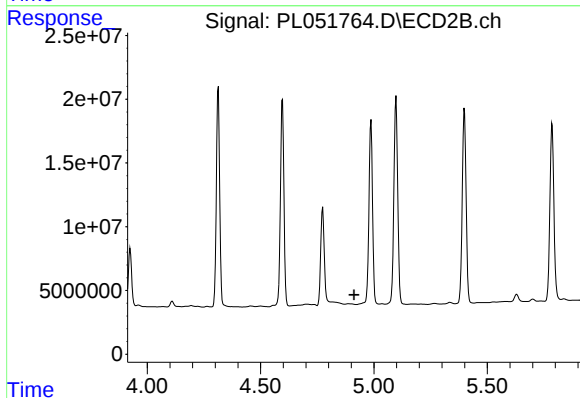
R.T.: 8.089 min  
Delta R.T.: -0.003 min  
Response: 125518015  
Conc: 51.60 ng/ml



#23 Chlordane-1

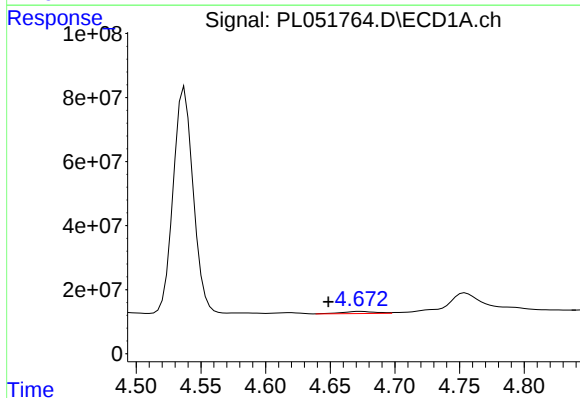
R.T.: 4.164 min  
Delta R.T.: 0.005 min  
Response: 6872978  
Conc: 21.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



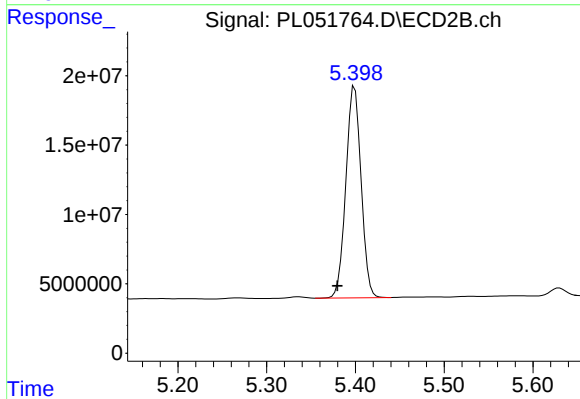
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 4.913 min  
Response: 0  
Conc: N.D.



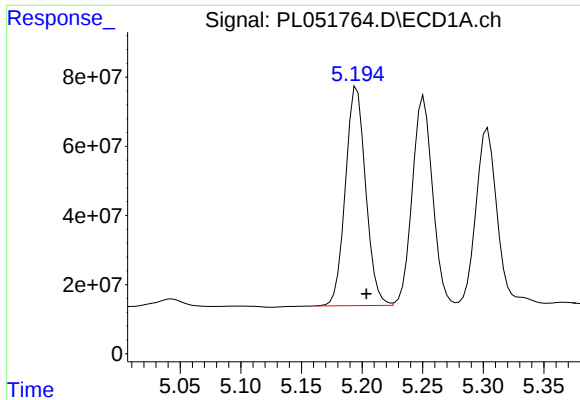
#24 Chlordane-2

R.T.: 4.674 min  
Delta R.T.: 0.025 min  
Response: 10980730  
Conc: 26.87 ng/ml



#24 Chlordane-2

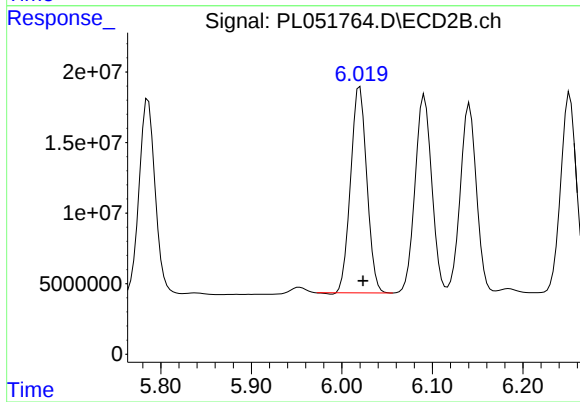
R.T.: 5.399 min  
Delta R.T.: 0.019 min  
Response: 181635880  
Conc: 1809.65 ng/ml



#25 Chlordane-3

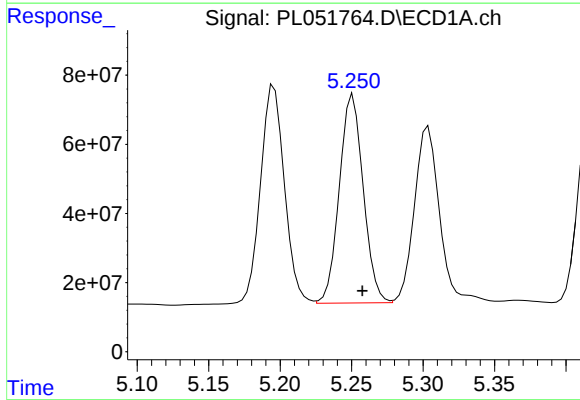
R.T.: 5.196 min  
Delta R.T.: -0.008 min  
Response: 735166840  
Conc: 566.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



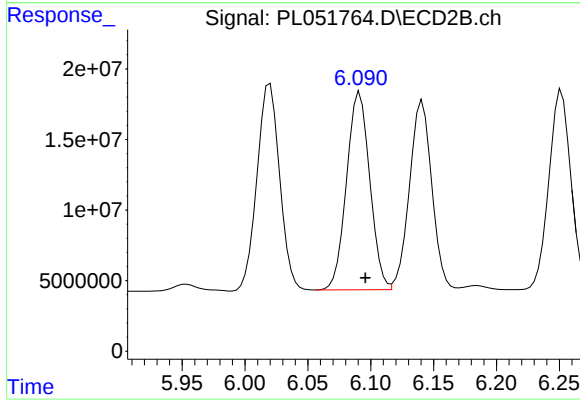
#25 Chlordane-3

R.T.: 6.020 min  
Delta R.T.: -0.004 min  
Response: 181614380  
Conc: 407.63 ng/ml



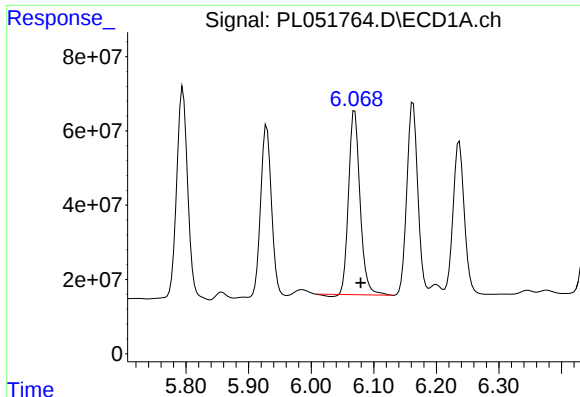
#26 Chlordane-4

R.T.: 5.251 min  
Delta R.T.: -0.006 min  
Response: 702614718  
Conc: 576.22 ng/ml



#26 Chlordane-4

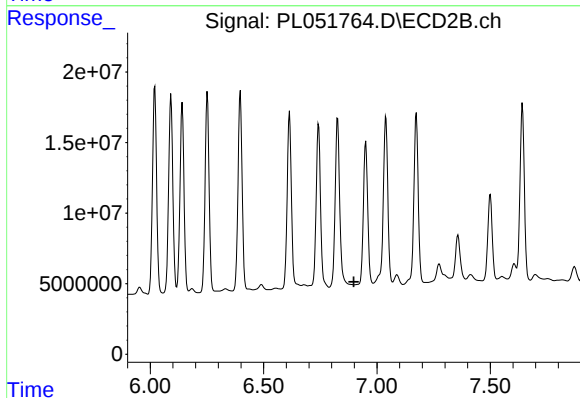
R.T.: 6.091 min  
Delta R.T.: -0.005 min  
Response: 180072712  
Conc: 331.56 ng/ml



#27 Chlordane-5

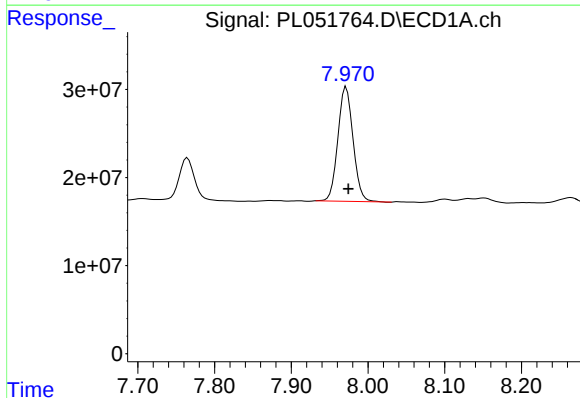
R.T.: 6.070 min  
Delta R.T.: -0.009 min  
Response: 631539861  
Conc: 1286.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



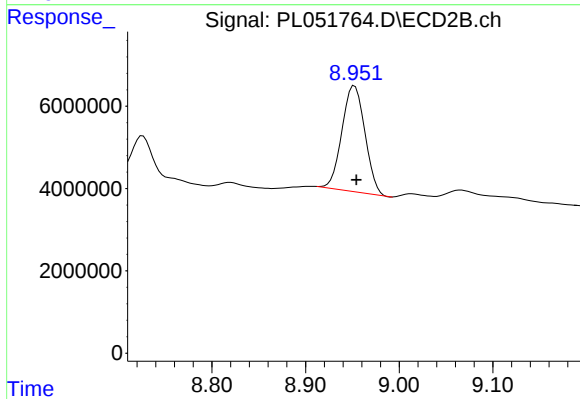
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T.: 6.898 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.972 min  
Delta R.T.: -0.003 min  
Response: 178591581  
Conc: 14.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.952 min  
Delta R.T.: -0.002 min  
Response: 44056329  
Conc: 14.47 ng/ml