

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL083019\  
 Data File : PL052048.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Aug 2019 16:22  
 Operator : SG\AJ  
 Sample : K4591-03MSD  
 Misc :  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SB-3-30-32MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 30 22:48:53 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... | 3.321 | 3.925  | 181.5E6 | 36831582 | 21.202   | 16.858     |
| 28)                         | SA Decachlor... | 7.981 | 8.954  | 207.2E6 | 50423111 | 17.068   | 16.565     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.748 | 4.313  | 914.3E6 | 183.8E6  | 63.103   | 57.047     |
| 3)                          | MA gamma-BHC... | 4.024 | 4.597  | 884.0E6 | 198.3E6  | 67.194   | 62.994     |
| 4)                          | MA Heptachlor   | 4.307 | 5.098  | 979.4E6 | 217.7E6  | 64.695   | 62.074     |
| 5)                          | MB Aldrin       | 4.545 | 5.400  | 950.1E6 | 213.7E6  | 65.748   | 65.162     |
| 6)                          | B beta-BHC      | 4.279 | 4.774  | 370.8E6 | 101.1E6  | 64.943   | 69.347     |
| 7)                          | B delta-BHC     | 4.472 | 4.987  | 908.8E6 | 185.2E6  | 61.117   | 59.185     |
| 8)                          | B Heptachlo...  | 4.982 | 5.786  | 896.6E6 | 210.0E6  | 64.108   | 62.219     |
| 9)                          | A Endosulfan I  | 5.312 | 6.142  | 878.4E6 | 203.8E6  | 65.343   | 63.029     |
| 10)                         | B gamma-Chl...  | 5.204 | 6.020  | 948.1E6 | 213.0E6  | 63.492   | 58.328     |
| 11)                         | B alpha-Chl...  | 5.260 | 6.092  | 915.6E6 | 215.4E6  | 63.269   | 62.403     |
| 12)                         | B 4,4'-DDE      | 5.427 | 6.253  | 879.7E6 | 220.9E6  | 64.276   | 62.755     |
| 13)                         | MA Dieldrin     | 5.551 | 6.398  | 948.9E6 | 219.4E6  | 62.410   | 64.072     |
| 14)                         | MA Endrin       | 5.803 | 6.615  | 863.4E6 | 187.7E6  | 59.197   | 62.062     |
| 15)                         | B Endosulfa...  | 6.079 | 6.828  | 837.0E6 | 194.8E6  | 60.158   | 59.090     |
| 16)                         | A 4,4'-DDD      | 5.938 | 6.744  | 752.8E6 | 175.7E6  | 61.474   | 64.906     |
| 17)                         | MA 4,4'-DDT     | 6.172 | 7.040  | 778.0E6 | 176.6E6  | 61.014   | 60.321     |
| 18)                         | B Endrin al...  | 6.246 | 6.952  | 665.7E6 | 162.8E6  | 57.227   | 57.596     |
| 19)                         | B Endosulfa...  | 6.456 | 7.175  | 798.5E6 | 189.9E6  | 61.383   | 61.492     |
| 20)                         | A Methoxychlor  | 6.717 | 7.501  | 379.0E6 | 94663809 | 55.907   | 56.442     |
| 21)                         | B Endrin ke...  | 6.938 | 7.643  | 851.7E6 | 201.0E6  | 60.205   | 62.820     |
| 22)                         | Mirex           | 7.110 | 8.091  | 585.5E6 | 142.3E6  | 55.301   | 58.474     |
| 23)                         | Chlordane-1     | 4.173 | 0.000  | 7268041 | 0        | 22.560   | N.D. #     |
| 24)                         | Chlordane-2     | 0.000 | 5.400f | 0       | 213.7E6  | N.D.     | 2128.683 # |
| 25)                         | Chlordane-3     | 5.204 | 6.020  | 948.1E6 | 213.0E6  | 730.213  | 477.974 #  |
| 26)                         | Chlordane-4     | 5.260 | 6.092  | 915.6E6 | 215.4E6  | 750.877  | 396.517 #  |
| 27)                         | Chlordane-5     | 6.079 | 0.000  | 837.0E6 | 0        | 1705.744 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

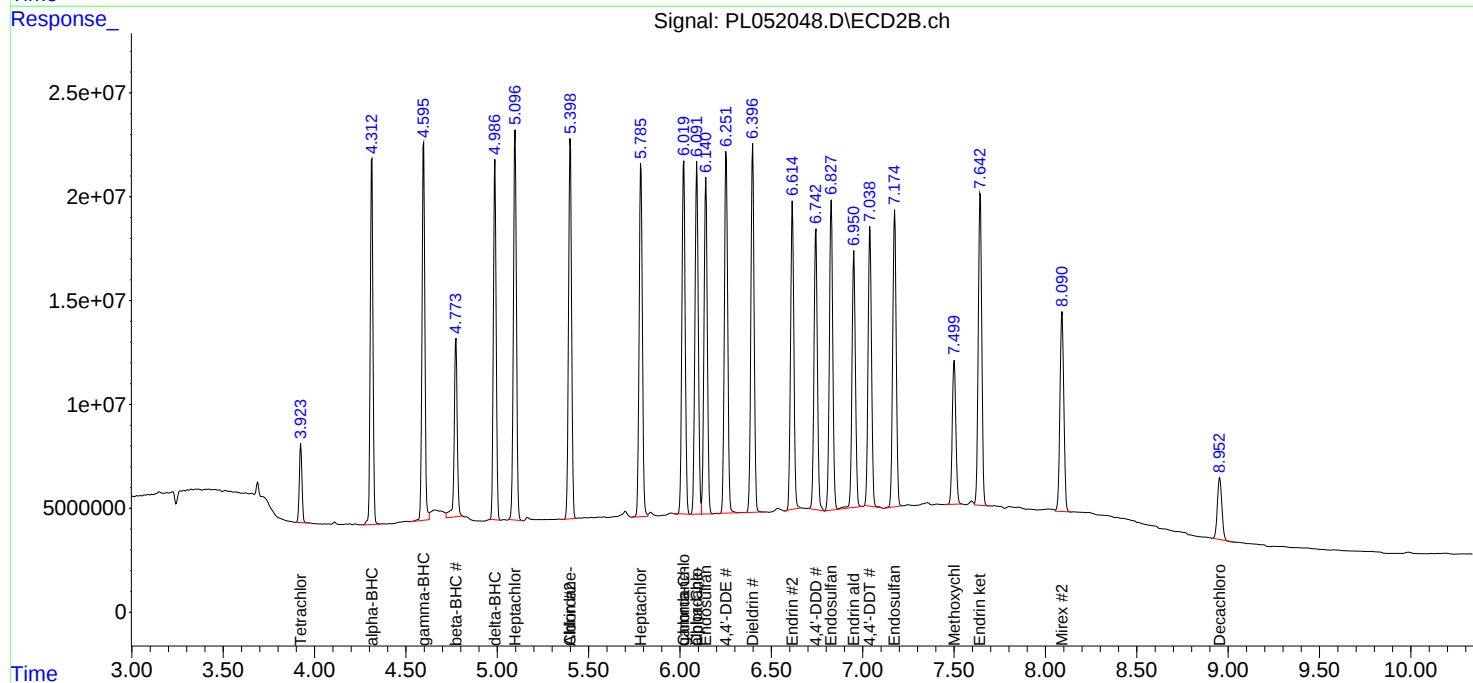
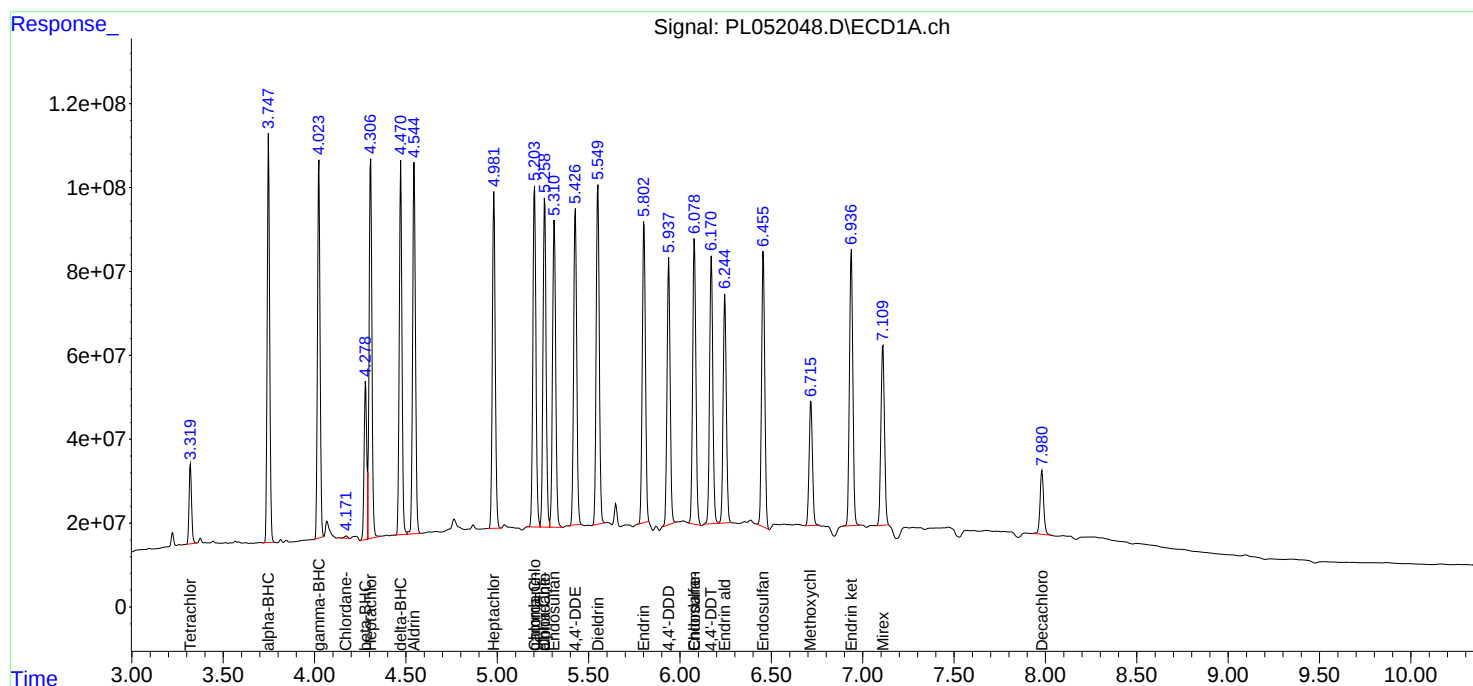
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

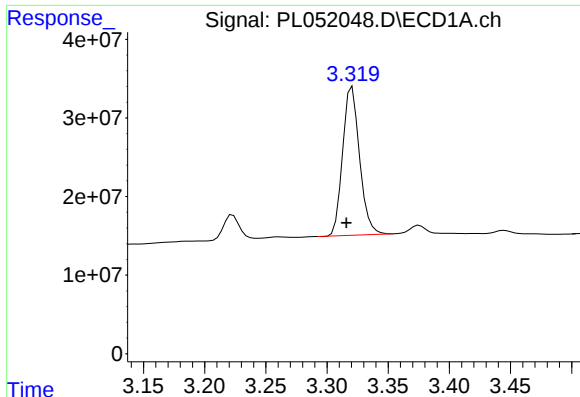
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL083019\  
Data File : PL052048.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 30 Aug 2019 16:22  
Operator : SG\AJ  
Sample : K4591-03MSD  
Misc :  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Aug 30 22:48:53 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

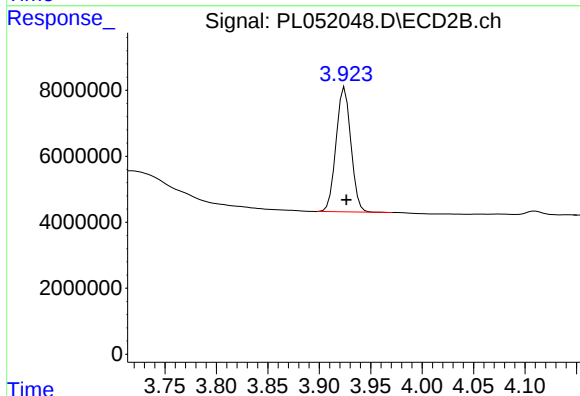




#1 Tetrachloro-m-xylene

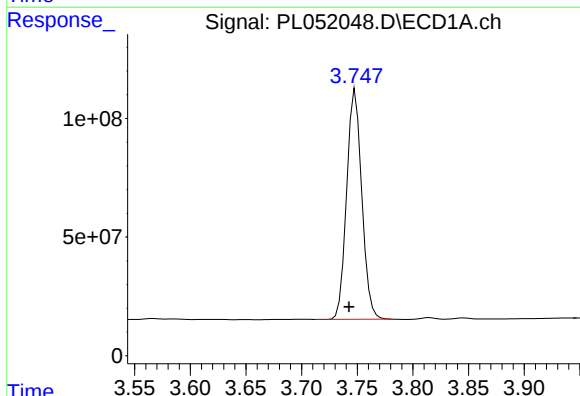
R.T.: 3.321 min  
Delta R.T.: 0.005 min  
Response: 181459604  
Conc: 21.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



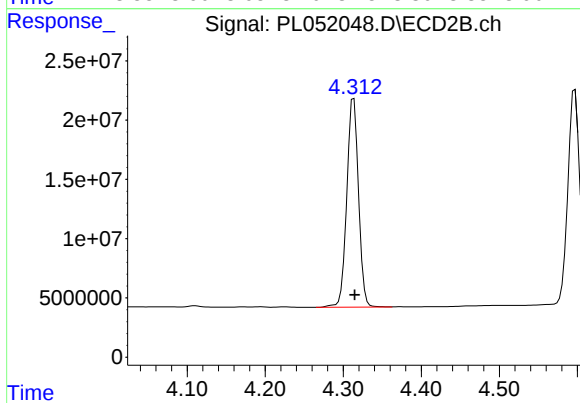
#1 Tetrachloro-m-xylene

R.T.: 3.925 min  
Delta R.T.: -0.002 min  
Response: 36831582  
Conc: 16.86 ng/ml



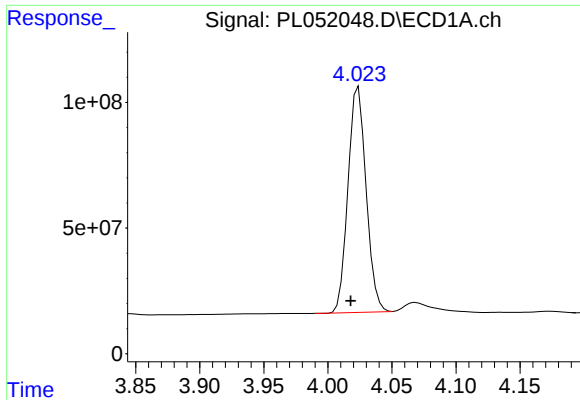
#2 alpha-BHC

R.T.: 3.748 min  
Delta R.T.: 0.006 min  
Response: 914343252  
Conc: 63.10 ng/ml



#2 alpha-BHC

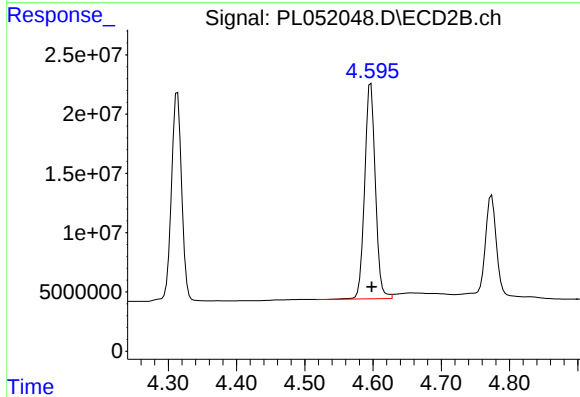
R.T.: 4.313 min  
Delta R.T.: -0.002 min  
Response: 183827829  
Conc: 57.05 ng/ml



#3 gamma-BHC (Lindane)

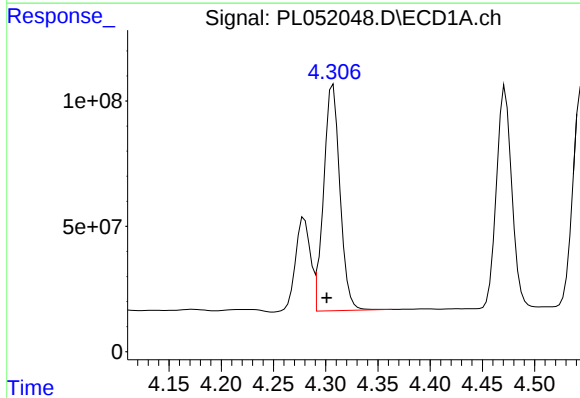
R.T.: 4.024 min  
Delta R.T.: 0.006 min  
Response: 884044576  
Conc: 67.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



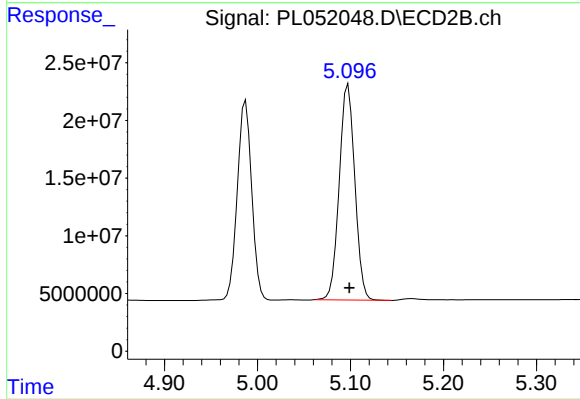
#3 gamma-BHC (Lindane)

R.T.: 4.597 min  
Delta R.T.: -0.001 min  
Response: 198323882  
Conc: 62.99 ng/ml



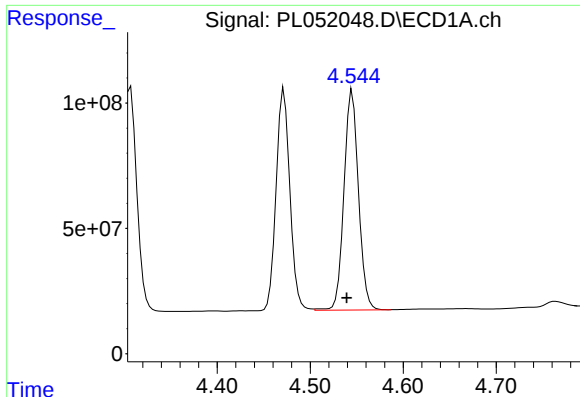
#4 Heptachlor

R.T.: 4.307 min  
Delta R.T.: 0.006 min  
Response: 979397172  
Conc: 64.69 ng/ml



#4 Heptachlor

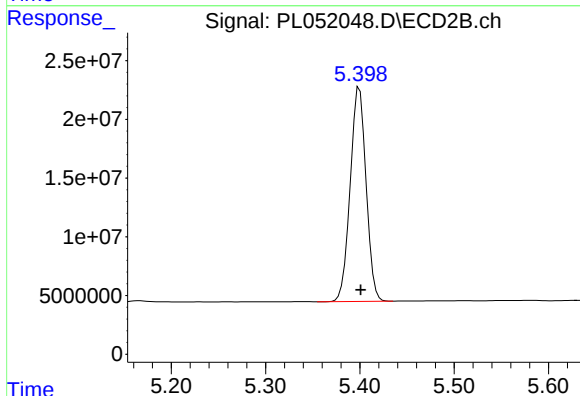
R.T.: 5.098 min  
Delta R.T.: -0.001 min  
Response: 217687925  
Conc: 62.07 ng/ml



#5 Aldrin

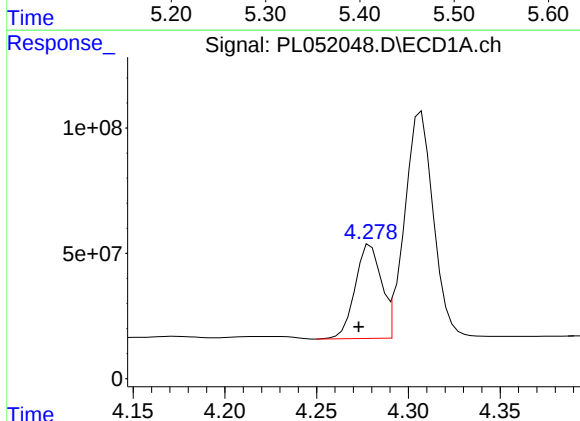
R.T.: 4.545 min  
Delta R.T.: 0.006 min  
Response: 950104550  
Conc: 65.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



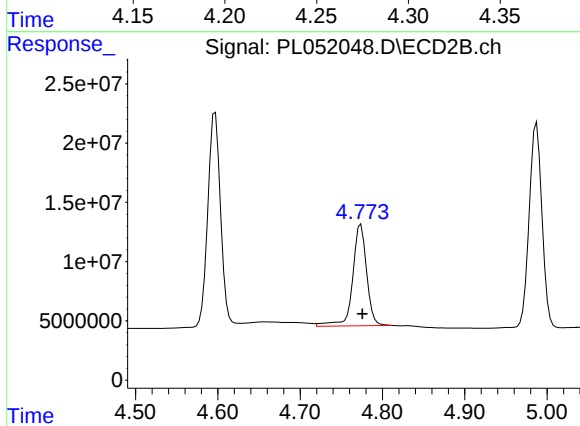
#5 Aldrin

R.T.: 5.400 min  
Delta R.T.: -0.001 min  
Response: 213657235  
Conc: 65.16 ng/ml



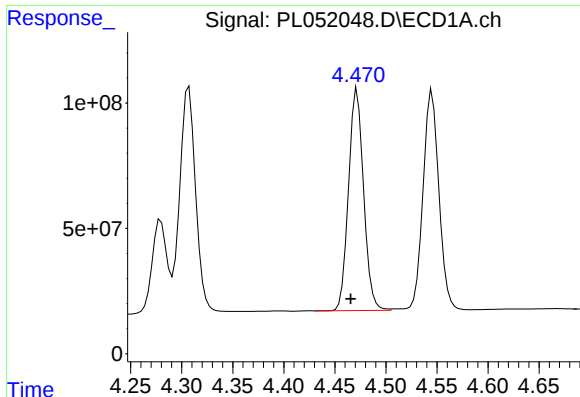
#6 beta-BHC

R.T.: 4.279 min  
Delta R.T.: 0.007 min  
Response: 370827654  
Conc: 64.94 ng/ml



#6 beta-BHC

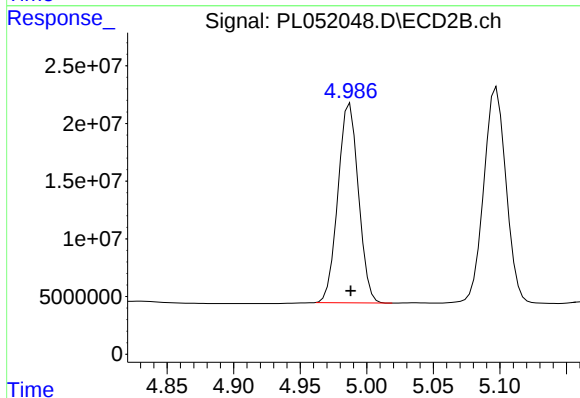
R.T.: 4.774 min  
Delta R.T.: -0.002 min  
Response: 101068382  
Conc: 69.35 ng/ml



#7 delta-BHC

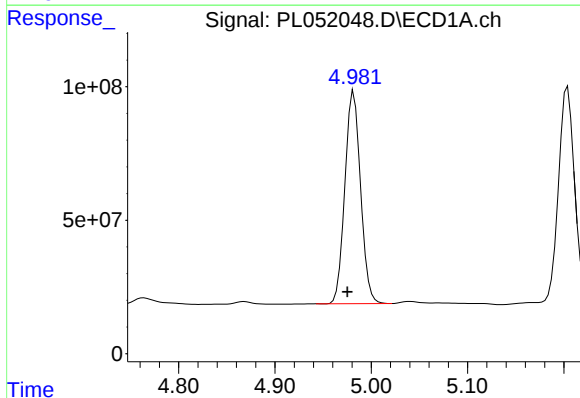
R.T.: 4.472 min  
Delta R.T.: 0.006 min  
Response: 908751030  
Conc: 61.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



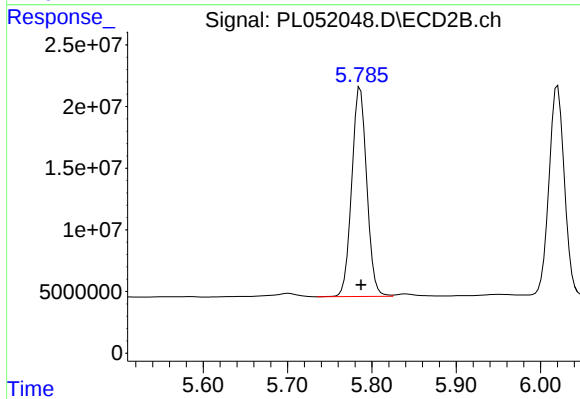
#7 delta-BHC

R.T.: 4.987 min  
Delta R.T.: 0.000 min  
Response: 185232833  
Conc: 59.18 ng/ml



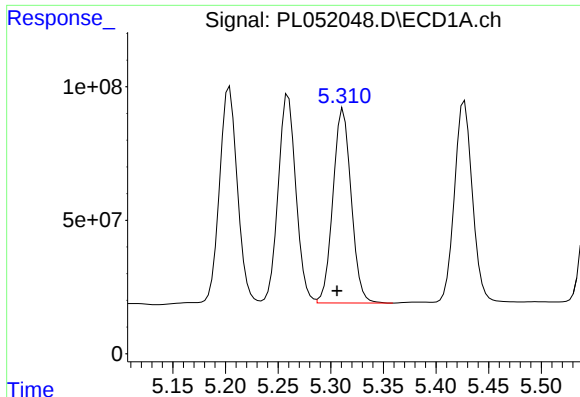
#8 Heptachlor epoxide

R.T.: 4.982 min  
Delta R.T.: 0.007 min  
Response: 896580731  
Conc: 64.11 ng/ml



#8 Heptachlor epoxide

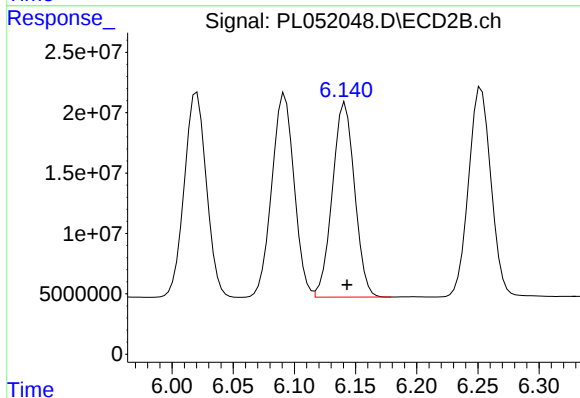
R.T.: 5.786 min  
Delta R.T.: 0.000 min  
Response: 209978938  
Conc: 62.22 ng/ml



#9 Endosulfan I

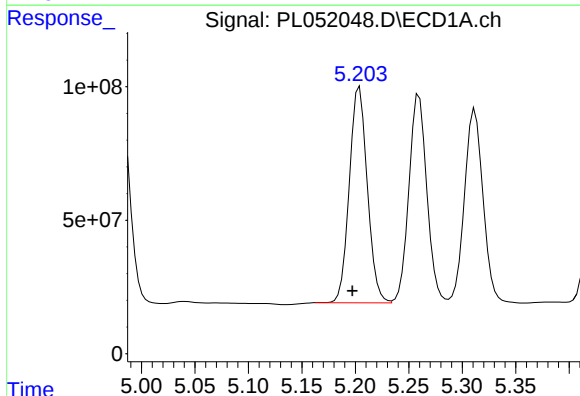
R.T.: 5.312 min  
Delta R.T.: 0.006 min  
Response: 878446376  
Conc: 65.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



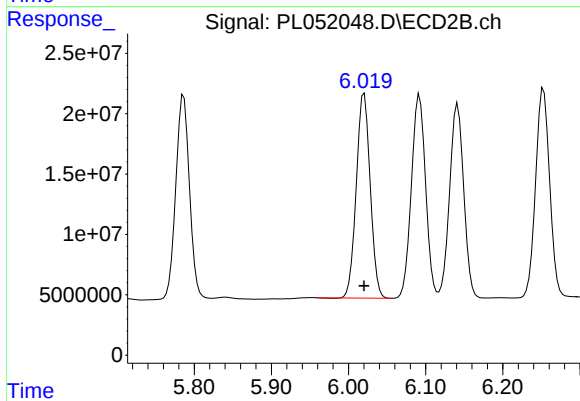
#9 Endosulfan I

R.T.: 6.142 min  
Delta R.T.: -0.001 min  
Response: 203783655  
Conc: 63.03 ng/ml



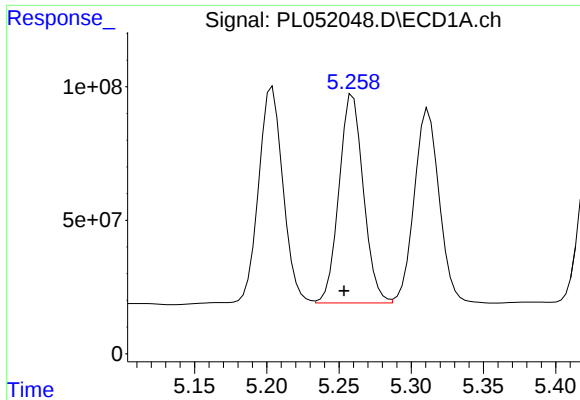
#10 gamma-Chlordane

R.T.: 5.204 min  
Delta R.T.: 0.007 min  
Response: 948064683  
Conc: 63.49 ng/ml



#10 gamma-Chlordane

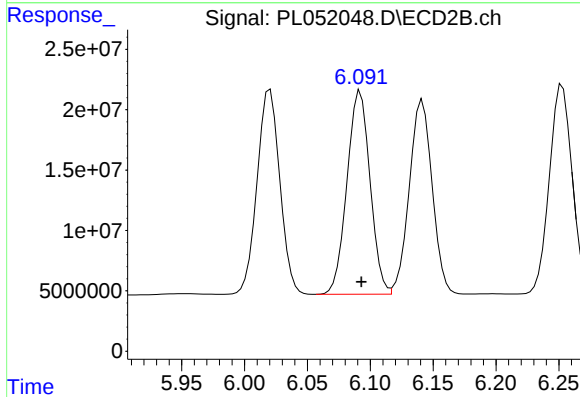
R.T.: 6.020 min  
Delta R.T.: 0.000 min  
Response: 212956436  
Conc: 58.33 ng/ml



#11 alpha-Chlordane

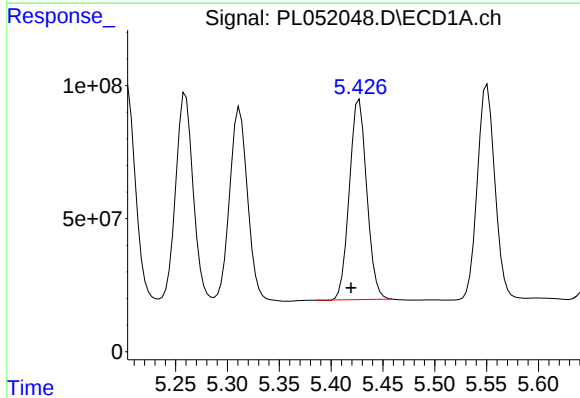
R.T.: 5.260 min  
Delta R.T.: 0.006 min  
Response: 915586643  
Conc: 63.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



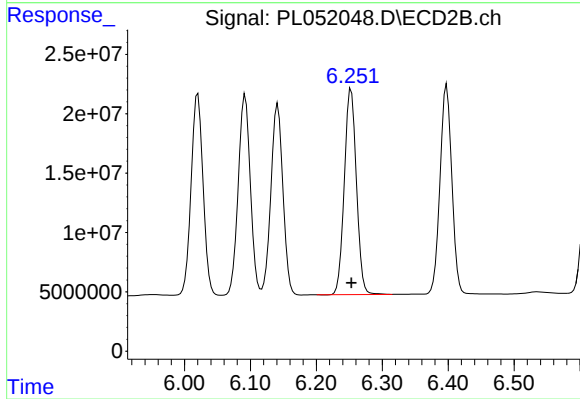
#11 alpha-Chlordane

R.T.: 6.092 min  
Delta R.T.: 0.000 min  
Response: 215352892  
Conc: 62.40 ng/ml



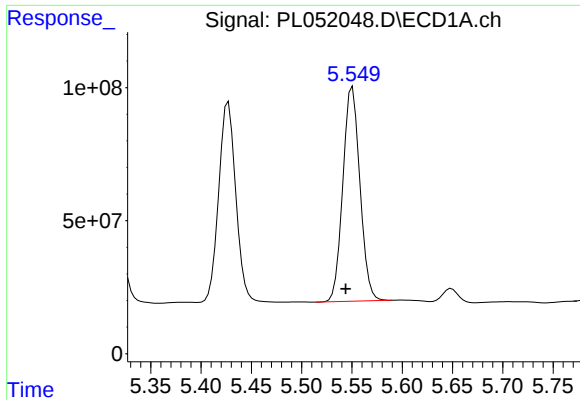
#12 4,4'-DDE

R.T.: 5.427 min  
Delta R.T.: 0.008 min  
Response: 879658067  
Conc: 64.28 ng/ml



#12 4,4'-DDE

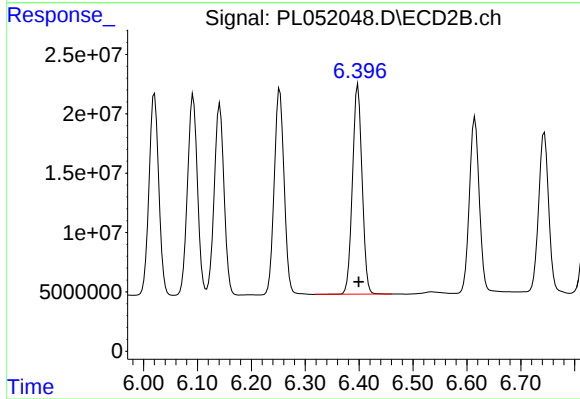
R.T.: 6.253 min  
Delta R.T.: 0.000 min  
Response: 220901760  
Conc: 62.76 ng/ml



#13 Dieldrin

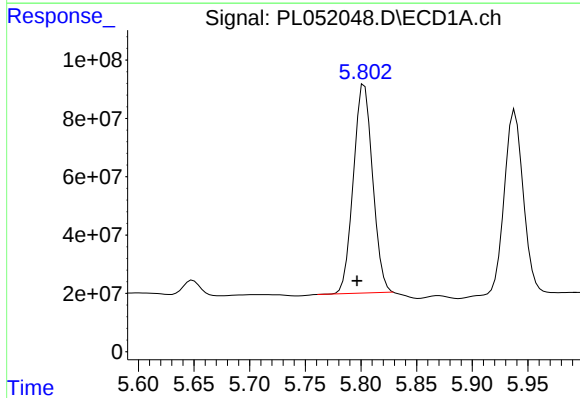
R.T.: 5.551 min  
Delta R.T.: 0.007 min  
Response: 948933473  
Conc: 62.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



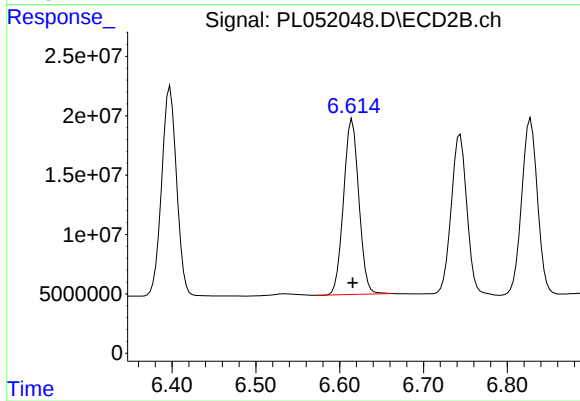
#13 Dieldrin

R.T.: 6.398 min  
Delta R.T.: -0.001 min  
Response: 219421857  
Conc: 64.07 ng/ml



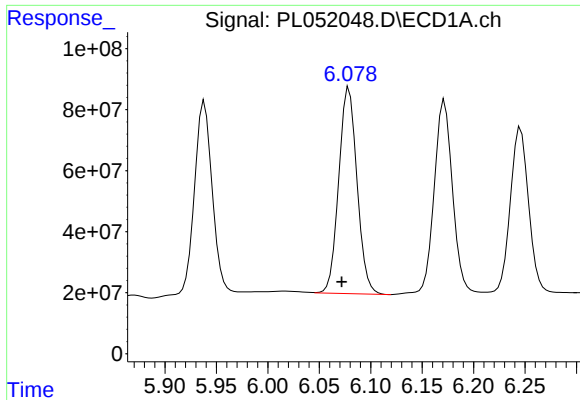
#14 Endrin

R.T.: 5.803 min  
Delta R.T.: 0.007 min  
Response: 863443477  
Conc: 59.20 ng/ml



#14 Endrin

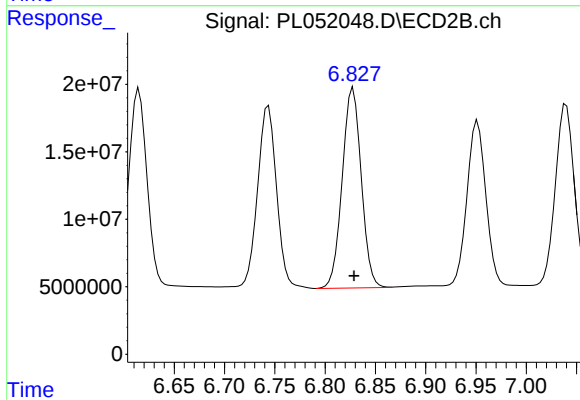
R.T.: 6.615 min  
Delta R.T.: 0.000 min  
Response: 187714795  
Conc: 62.06 ng/ml



#15 Endosulfan II

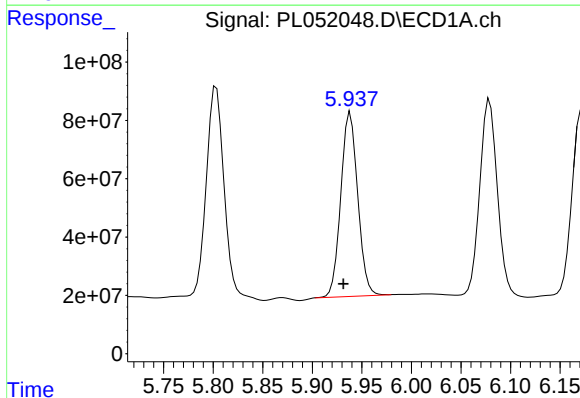
R.T.: 6.079 min  
Delta R.T.: 0.007 min  
Response: 837038075  
Conc: 60.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



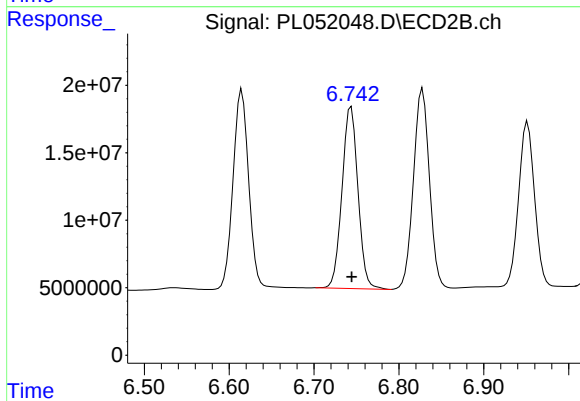
#15 Endosulfan II

R.T.: 6.828 min  
Delta R.T.: 0.000 min  
Response: 194760969  
Conc: 59.09 ng/ml



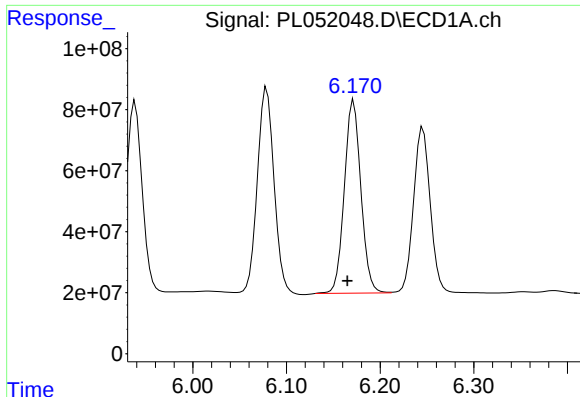
#16 4,4'-DDD

R.T.: 5.938 min  
Delta R.T.: 0.007 min  
Response: 752784835  
Conc: 61.47 ng/ml



#16 4,4'-DDD

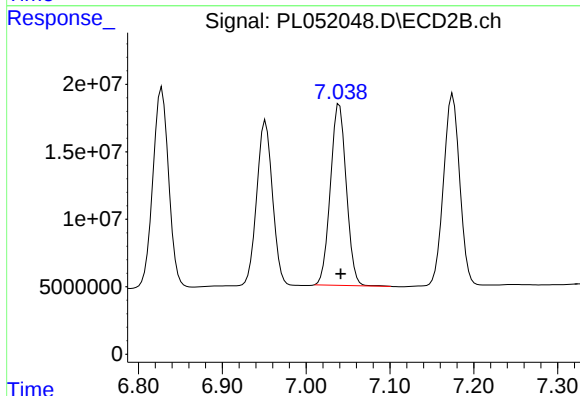
R.T.: 6.744 min  
Delta R.T.: 0.000 min  
Response: 175722031  
Conc: 64.91 ng/ml



#17 4,4'-DDT

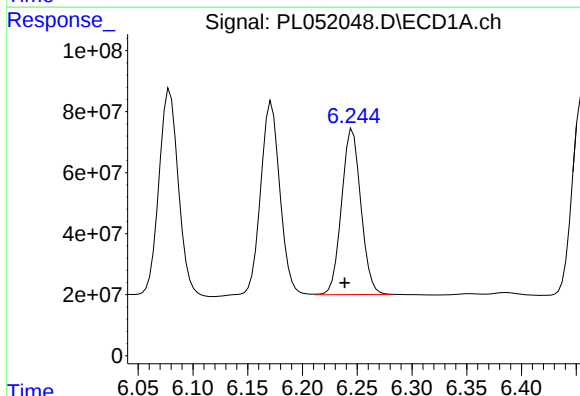
R.T.: 6.172 min  
Delta R.T.: 0.007 min  
Response: 778012802  
Conc: 61.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



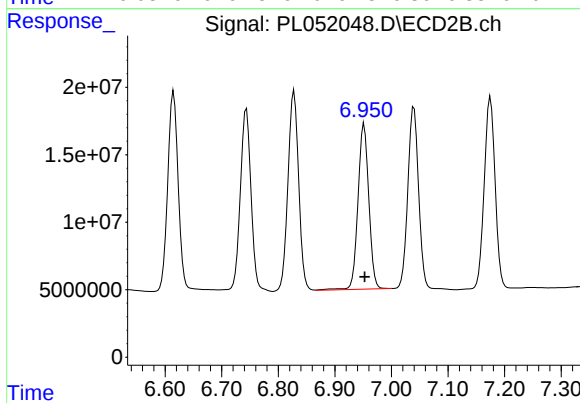
#17 4,4'-DDT

R.T.: 7.040 min  
Delta R.T.: -0.001 min  
Response: 176601426  
Conc: 60.32 ng/ml



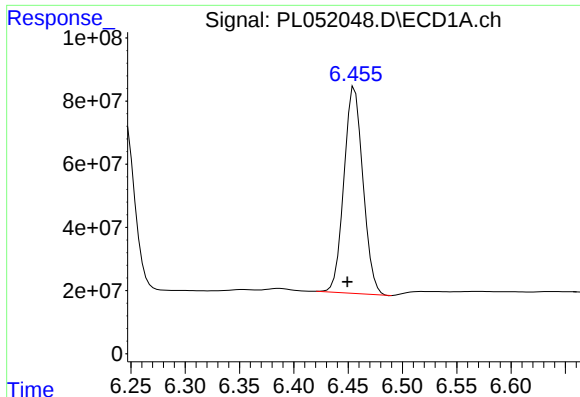
#18 Endrin aldehyde

R.T.: 6.246 min  
Delta R.T.: 0.007 min  
Response: 665731866  
Conc: 57.23 ng/ml



#18 Endrin aldehyde

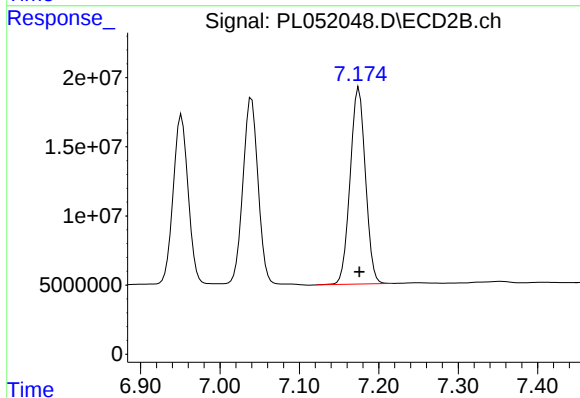
R.T.: 6.952 min  
Delta R.T.: -0.001 min  
Response: 162779427  
Conc: 57.60 ng/ml



#19 Endosulfan Sulfate

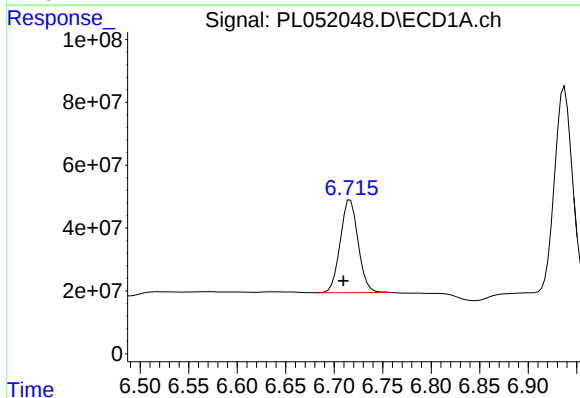
R.T.: 6.456 min  
Delta R.T.: 0.007 min  
Response: 798540807  
Conc: 61.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



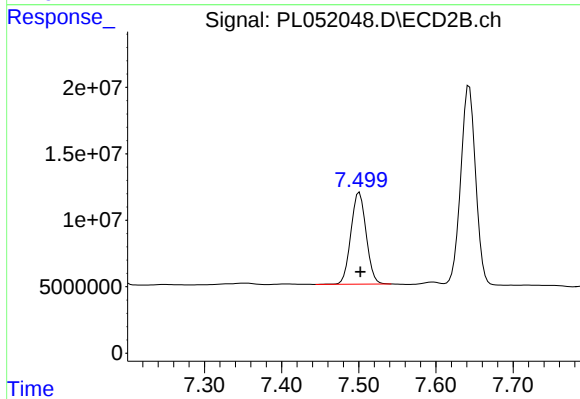
#19 Endosulfan Sulfate

R.T.: 7.175 min  
Delta R.T.: 0.000 min  
Response: 189891666  
Conc: 61.49 ng/ml



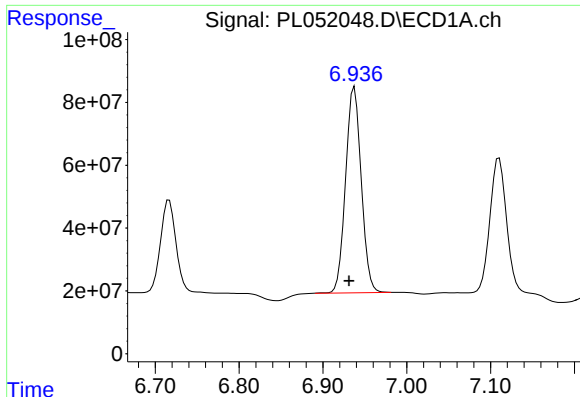
#20 Methoxychlor

R.T.: 6.717 min  
Delta R.T.: 0.007 min  
Response: 379034663  
Conc: 55.91 ng/ml



#20 Methoxychlor

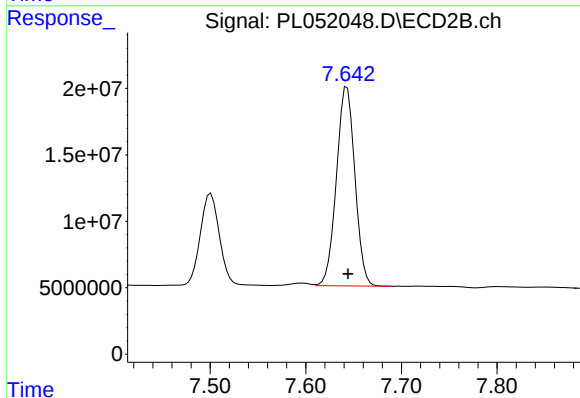
R.T.: 7.501 min  
Delta R.T.: -0.001 min  
Response: 94663809  
Conc: 56.44 ng/ml



#21 Endrin ketone

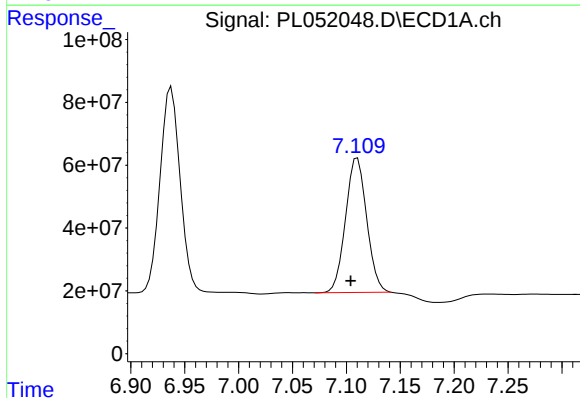
R.T.: 6.938 min  
Delta R.T.: 0.006 min  
Response: 851714916  
Conc: 60.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



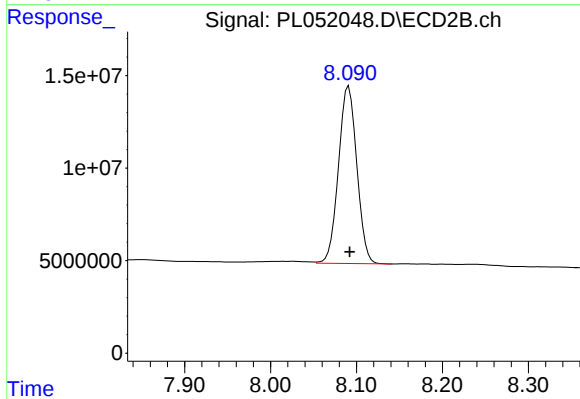
#21 Endrin ketone

R.T.: 7.643 min  
Delta R.T.: -0.001 min  
Response: 200991575  
Conc: 62.82 ng/ml



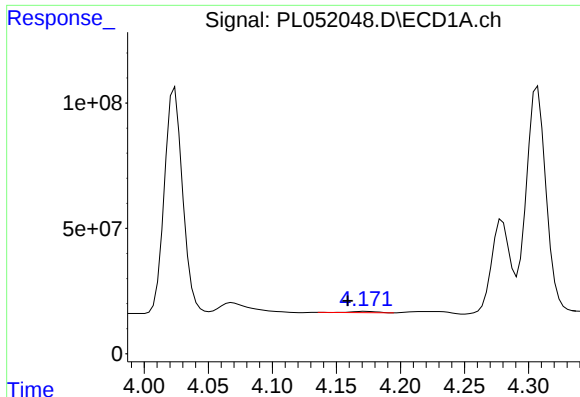
#22 Mirex

R.T.: 7.110 min  
Delta R.T.: 0.006 min  
Response: 585496376  
Conc: 55.30 ng/ml



#22 Mirex

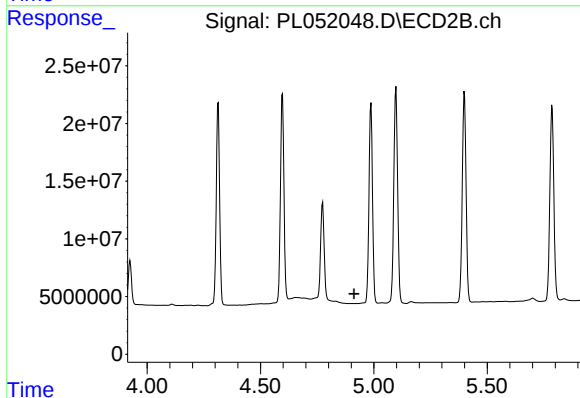
R.T.: 8.091 min  
Delta R.T.: -0.001 min  
Response: 142250116  
Conc: 58.47 ng/ml



#23 Chlordane-1

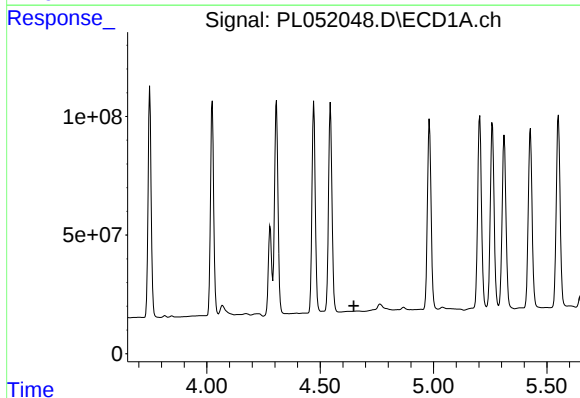
R.T.: 4.173 min  
Delta R.T.: 0.014 min  
Response: 7268041  
Conc: 22.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



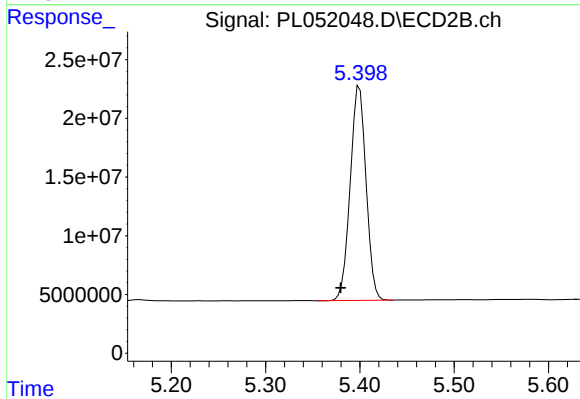
#23 Chlordane-1

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



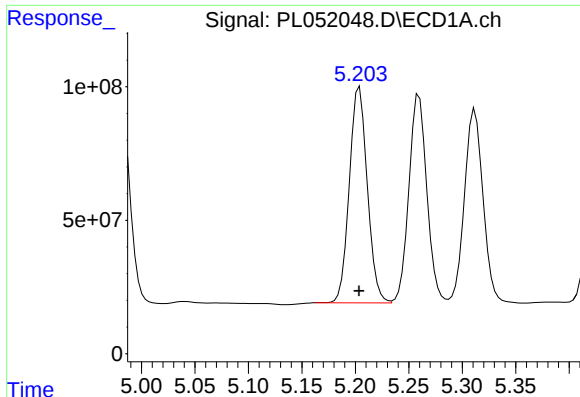
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T. : 4.649 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

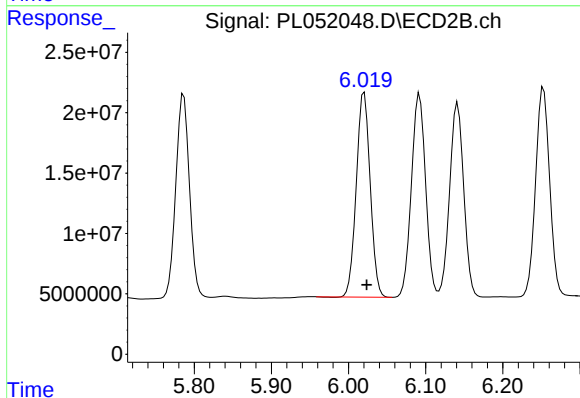
R.T.: 5.400 min  
Delta R.T.: 0.020 min  
Response: 213657235  
Conc: 2128.68 ng/ml



#25 Chlordane-3

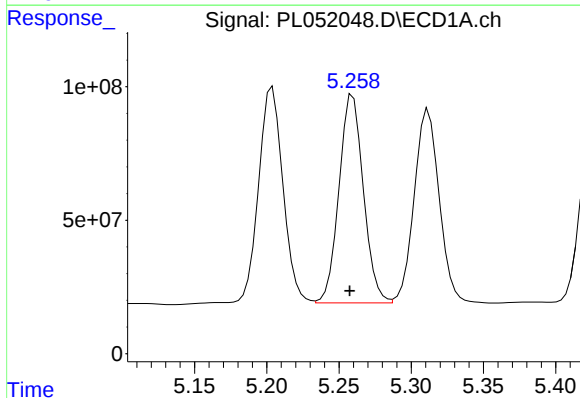
R.T.: 5.204 min  
Delta R.T.: 0.000 min  
Response: 948064683  
Conc: 730.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



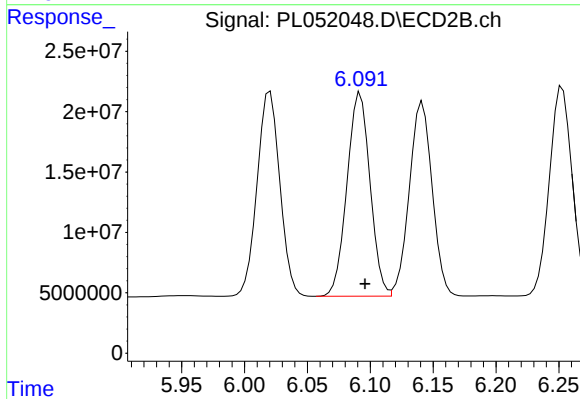
#25 Chlordane-3

R.T.: 6.020 min  
Delta R.T.: -0.003 min  
Response: 212956436  
Conc: 477.97 ng/ml



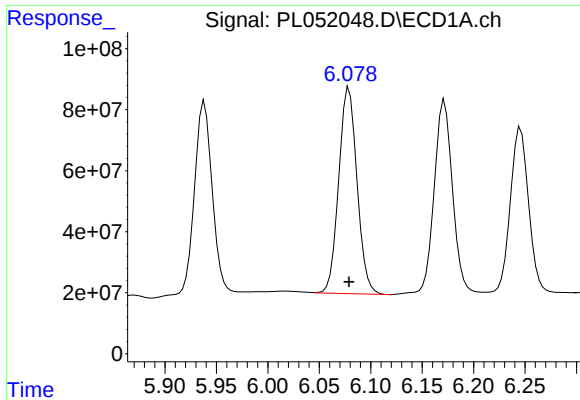
#26 Chlordane-4

R.T.: 5.260 min  
Delta R.T.: 0.002 min  
Response: 915586643  
Conc: 750.88 ng/ml



#26 Chlordane-4

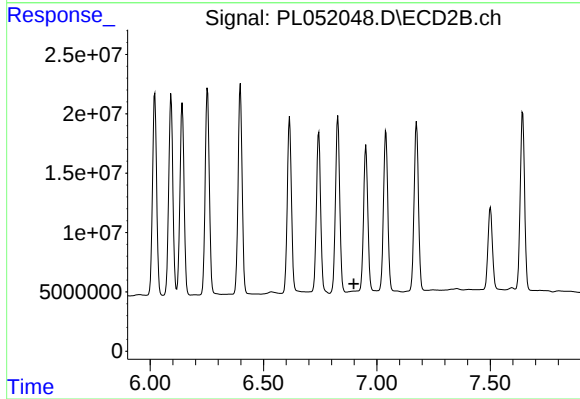
R.T.: 6.092 min  
Delta R.T.: -0.004 min  
Response: 215352892  
Conc: 396.52 ng/ml



#27 Chlordane-5

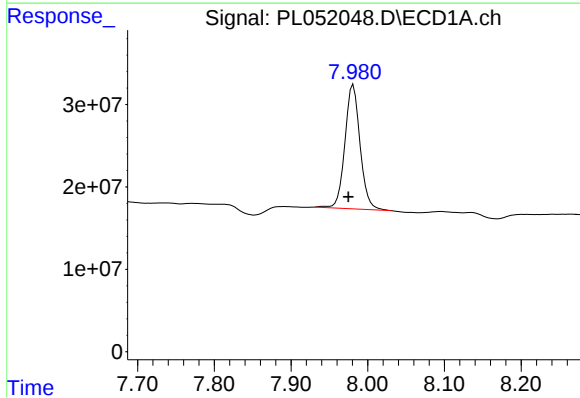
R.T.: 6.079 min  
Delta R.T.: 0.000 min  
Response: 837038075  
Conc: 1705.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SB-3-30-32MSD



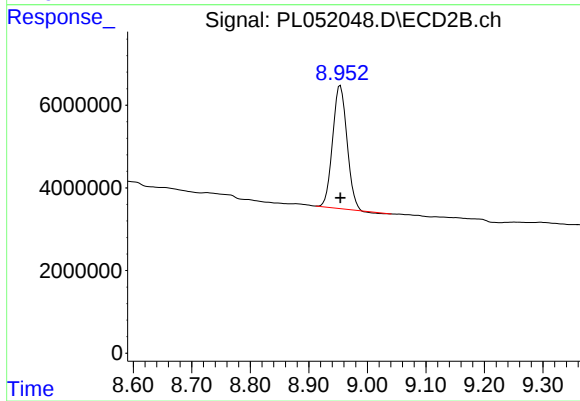
#27 Chlordane-5

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



#28 Decachlorobiphenyl

R.T.: 7.981 min  
Delta R.T.: 0.007 min  
Response: 207169318  
Conc: 17.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.954 min  
Delta R.T.: 0.000 min  
Response: 50423111  
Conc: 16.57 ng/ml