

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL120919\  
 Data File : PL054864.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 Dec 2019 11:54  
 Operator : SG\AJ  
 Sample : K5663-05MSD  
 Misc :  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 AU-06-112219MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 10 00:29:55 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL112619.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Nov 27 01:19:55 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... | 3.538 | 4.050  | 221.9E6  | 55346902 | 19.071   | 21.689     |
| 28)                         | SA Decachlor... | 8.319 | 9.149  | 180.0E6  | 47108824 | 18.800   | 19.650     |
| Target Compounds            |                 |       |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.981 | 4.442  | 1100.0E6 | 237.9E6  | 57.944   | 67.137     |
| 3)                          | MA gamma-BHC... | 4.268 | 4.727  | 1026.7E6 | 218.6E6  | 60.231   | 67.055     |
| 4)                          | MA Heptachlor   | 4.573 | 5.237  | 1064.5E6 | 198.5E6  | 60.369   | 65.768     |
| 5)                          | MB Aldrin       | 4.825 | 5.543  | 986.4E6  | 184.1E6  | 60.517   | 66.076     |
| 6)                          | B beta-BHC      | 4.518 | 4.898  | 451.2E6  | 93901064 | 60.829   | 66.680     |
| 7)                          | B delta-BHC     | 4.726 | 5.116  | 975.0E6  | 179.5E6  | 59.983   | 67.316     |
| 8)                          | B Heptachlor... | 5.270 | 5.929  | 957.5E6  | 162.9E6  | 63.303   | 65.196     |
| 9)                          | A Endosulfan I  | 5.611 | 6.287  | 843.8E6  | 157.1E6  | 61.880   | 63.514     |
| 10)                         | B gamma-Chl...  | 5.498 | 6.163  | 963.9E6  | 171.1E6  | 63.563   | 64.939     |
| 11)                         | B alpha-Chl...  | 5.557 | 6.236  | 913.5E6  | 168.7E6  | 61.951   | 64.261     |
| 12)                         | B 4,4'-DDE      | 5.720 | 6.393  | 850.0E6  | 160.7E6  | 63.883   | 64.930     |
| 13)                         | MA Dieldrin     | 5.856 | 6.544  | 914.1E6  | 165.1E6  | 64.464   | 64.882     |
| 14)                         | MA Endrin       | 6.114 | 6.763  | 821.5E6  | 142.3E6  | 64.516   | 64.239     |
| 15)                         | B Endosulfa...  | 6.387 | 6.973  | 728.1E6  | 148.6E6  | 60.176   | 63.204     |
| 16)                         | A 4,4'-DDD      | 6.237 | 6.885  | 638.5E6  | 125.8E6  | 65.374   | 65.497     |
| 17)                         | MA 4,4'-DDT     | 6.479 | 7.184  | 668.6E6  | 129.1E6  | 63.822   | 65.172     |
| 18)                         | B Endrin al...  | 6.555 | 7.097  | 567.1E6  | 121.1E6  | 57.269   | 61.767     |
| 19)                         | B Endosulfa...  | 6.769 | 7.321  | 618.8E6  | 128.3E6  | 57.786   | 60.503     |
| 20)                         | A Methoxychlor  | 7.024 | 7.644  | 303.1E6  | 69251979 | 60.479   | 60.711     |
| 21)                         | B Endrin ke...  | 7.263 | 7.795  | 696.4E6  | 140.5E6  | 64.075   | 62.427     |
| 22)                         | Mirex           | 7.455 | 8.253  | 495.3E6  | 108.6E6  | 61.006   | 62.855     |
| 24)                         | Chlordane-2     | 0.000 | 5.543f | 0        | 184.1E6  | N.D.     | 2054.357 # |
| 25)                         | Chlordane-3     | 5.498 | 6.163  | 963.9E6  | 171.1E6  | 750.609  | 551.138 #  |
| 26)                         | Chlordane-4     | 5.557 | 6.236  | 913.5E6  | 168.7E6  | 864.834  | 448.399 #  |
| 27)                         | Chlordane-5     | 6.387 | 0.000  | 728.1E6  | 0        | 1933.958 | N.D. #     |
| -----                       |                 |       |        |          |          |          |            |

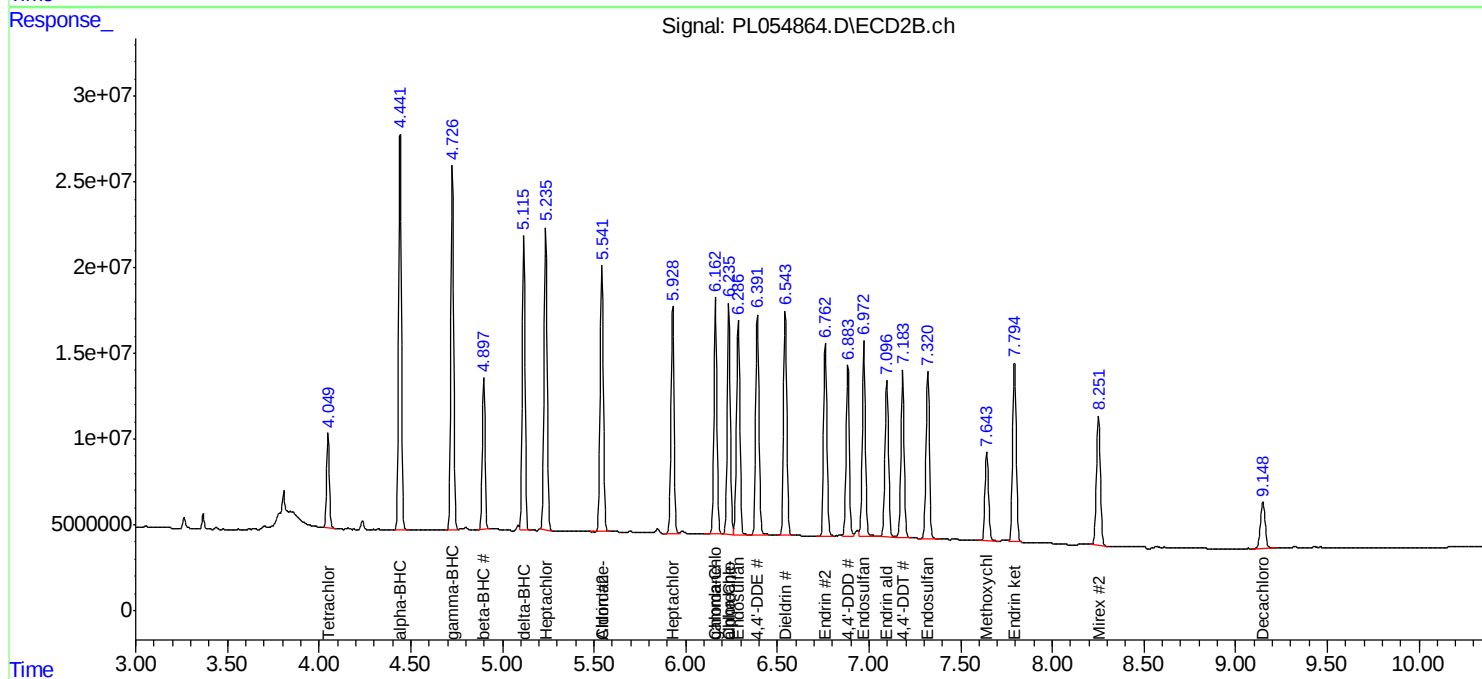
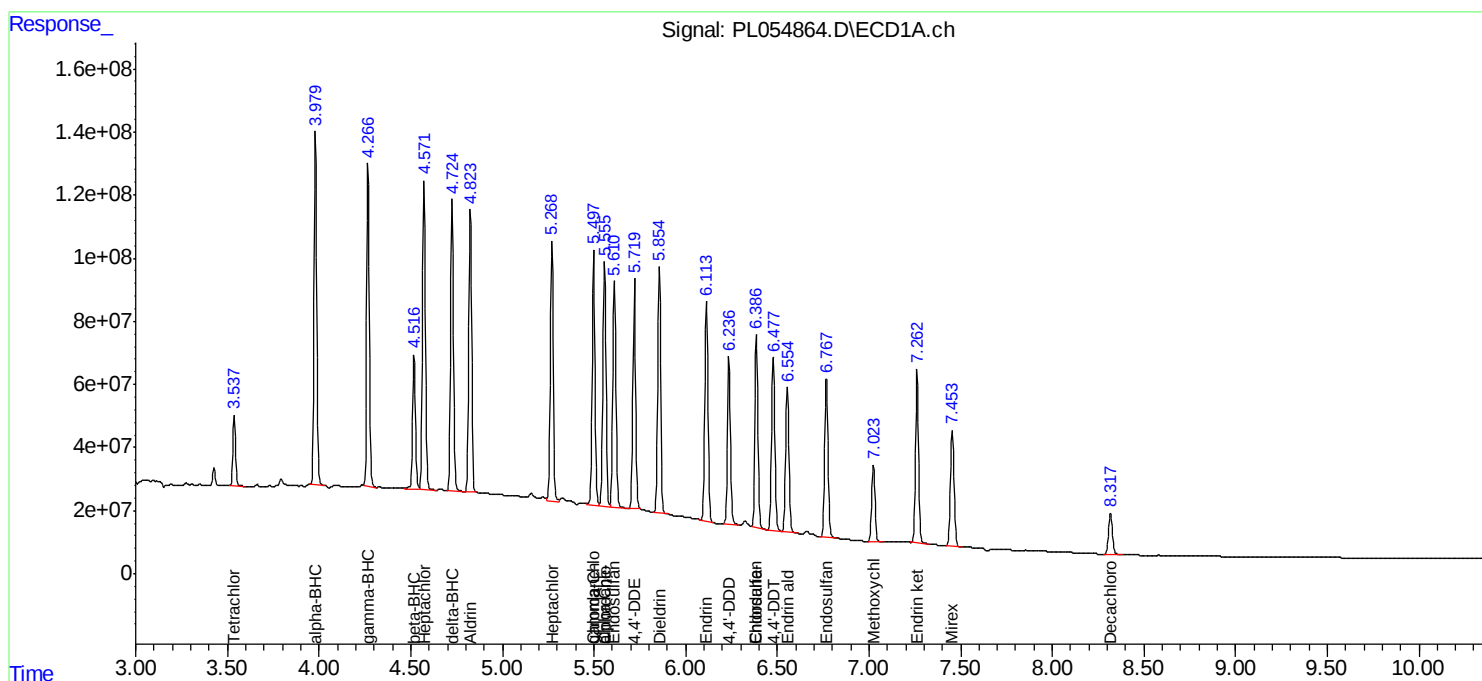
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

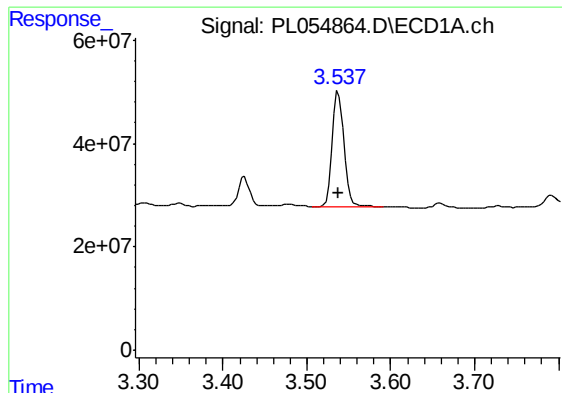
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL120919\  
Data File : PL054864.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 09 Dec 2019 11:54  
Operator : SG\AJ  
Sample : K5663-05MSD  
Misc :  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 10 00:29:55 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL112619.M  
Quant Title : GC Extractables  
QLast Update : Wed Nov 27 01:19:55 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

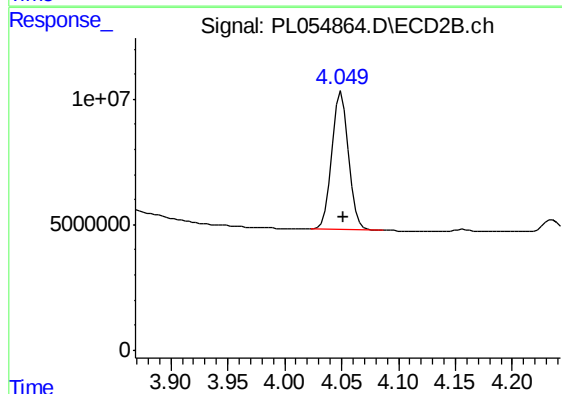




#1 Tetrachloro-m-xylene

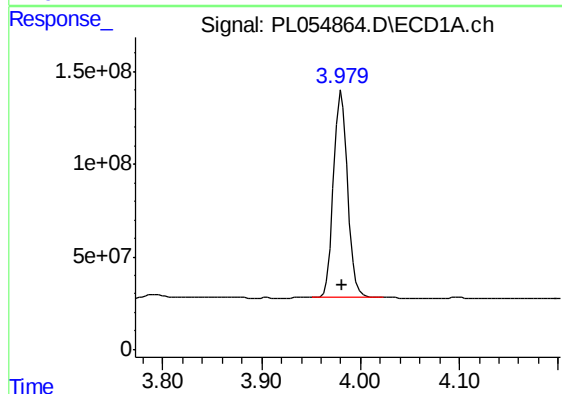
R.T.: 3.538 min  
Delta R.T.: 0.000 min  
Response: 221871531  
Conc: 19.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



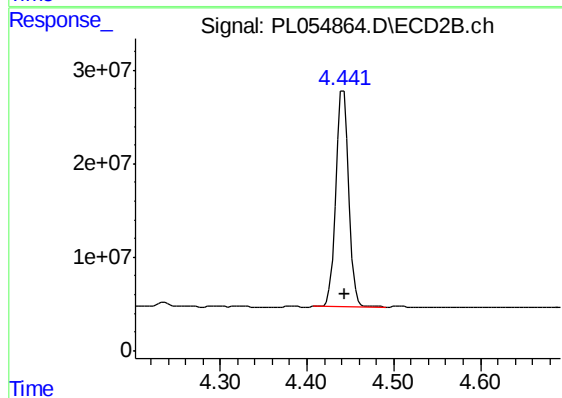
#1 Tetrachloro-m-xylene

R.T.: 4.050 min  
Delta R.T.: -0.001 min  
Response: 55346902  
Conc: 21.69 ng/ml



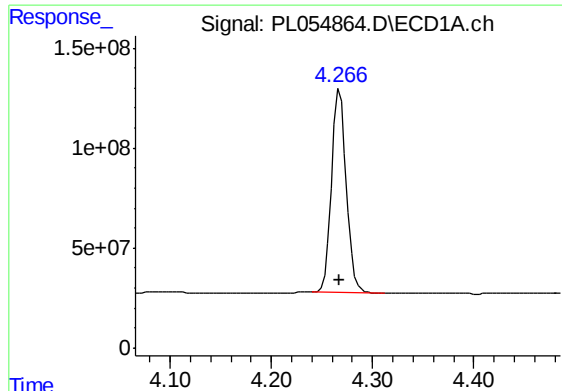
#2 alpha-BHC

R.T.: 3.981 min  
Delta R.T.: 0.000 min  
Response: 1100013206  
Conc: 57.94 ng/ml



#2 alpha-BHC

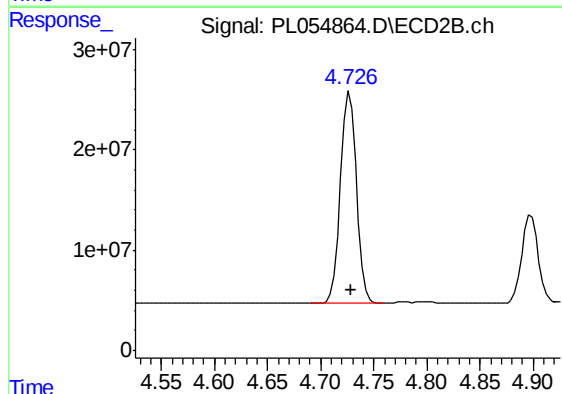
R.T.: 4.442 min  
Delta R.T.: -0.001 min  
Response: 237851515  
Conc: 67.14 ng/ml



#3 gamma-BHC (Lindane)

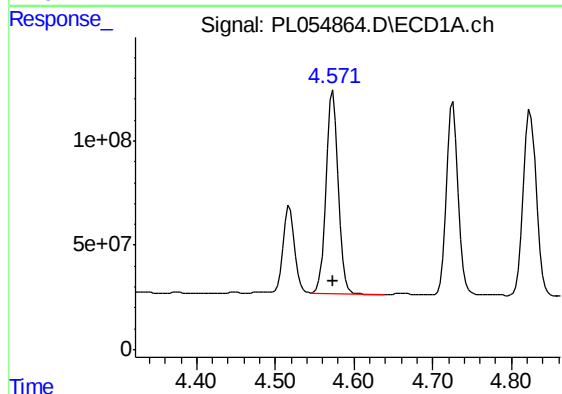
R.T.: 4.268 min  
Delta R.T.: 0.000 min  
Response: 1026686477  
Conc: 60.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



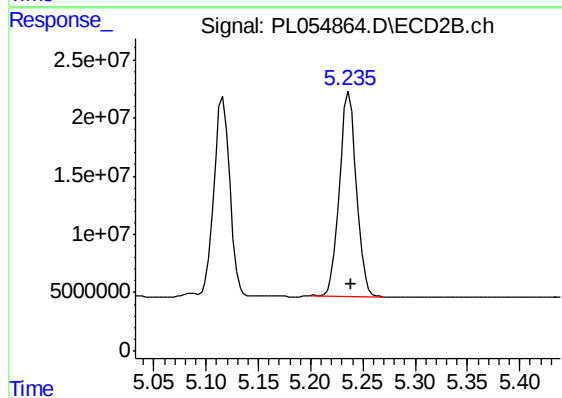
#3 gamma-BHC (Lindane)

R.T.: 4.727 min  
Delta R.T.: -0.001 min  
Response: 218636826  
Conc: 67.06 ng/ml



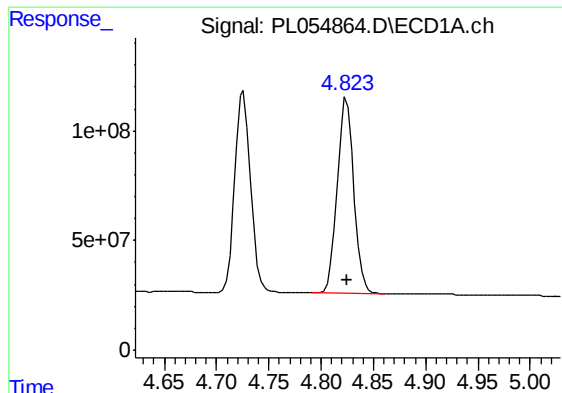
#4 Heptachlor

R.T.: 4.573 min  
Delta R.T.: 0.000 min  
Response: 1064516023  
Conc: 60.37 ng/ml



#4 Heptachlor

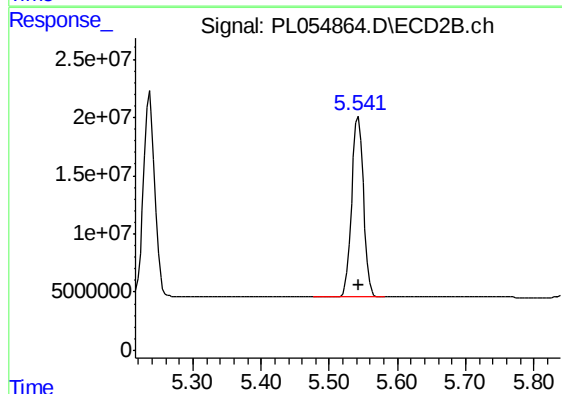
R.T.: 5.237 min  
Delta R.T.: -0.001 min  
Response: 198487692  
Conc: 65.77 ng/ml



#5 Aldrin

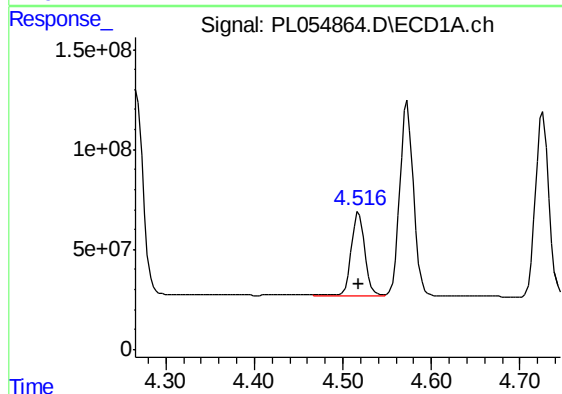
R.T.: 4.825 min  
Delta R.T.: 0.000 min  
Response: 986431087  
Conc: 60.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



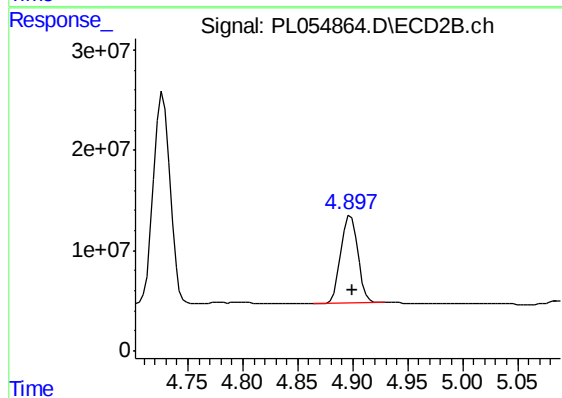
#5 Aldrin

R.T.: 5.543 min  
Delta R.T.: -0.001 min  
Response: 184119724  
Conc: 66.08 ng/ml



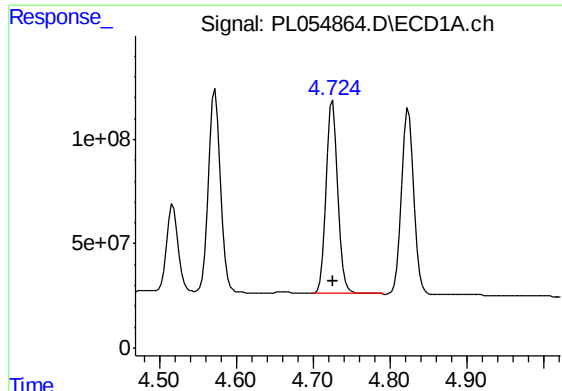
#6 beta-BHC

R.T.: 4.518 min  
Delta R.T.: 0.000 min  
Response: 451161655  
Conc: 60.83 ng/ml



#6 beta-BHC

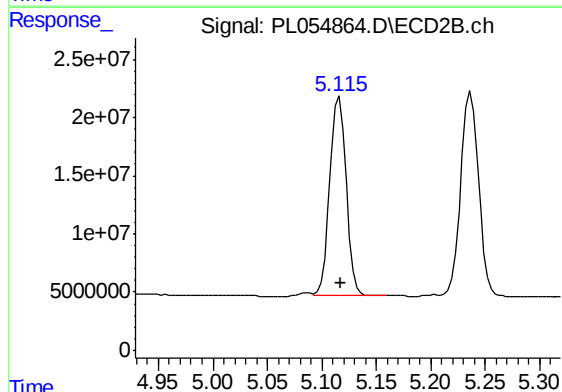
R.T.: 4.898 min  
Delta R.T.: -0.001 min  
Response: 93901064  
Conc: 66.68 ng/ml



#7 delta-BHC

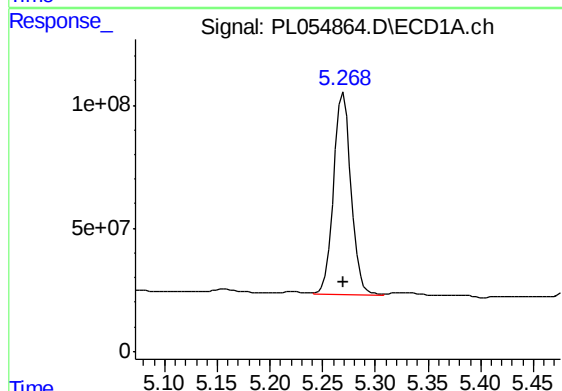
R.T.: 4.726 min  
Delta R.T.: 0.000 min  
Response: 975034730  
Conc: 59.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



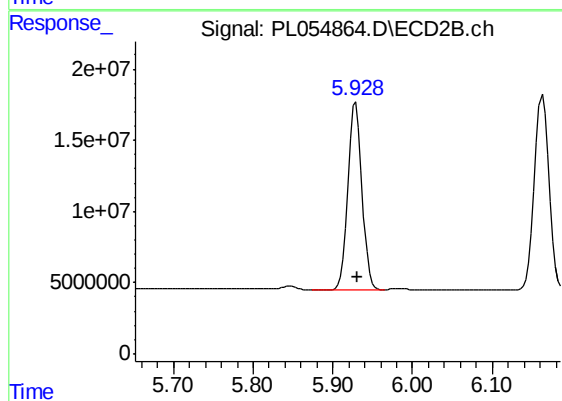
#7 delta-BHC

R.T.: 5.116 min  
Delta R.T.: -0.001 min  
Response: 179477748  
Conc: 67.32 ng/ml



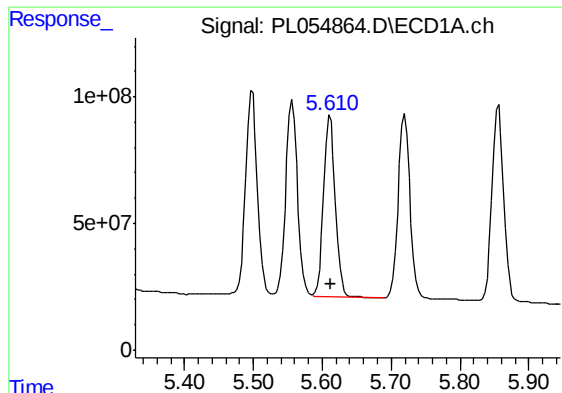
#8 Heptachlor epoxide

R.T.: 5.270 min  
Delta R.T.: 0.000 min  
Response: 957540301  
Conc: 63.30 ng/ml



#8 Heptachlor epoxide

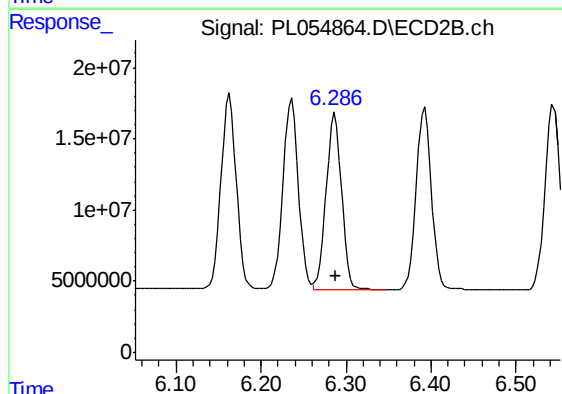
R.T.: 5.929 min  
Delta R.T.: -0.001 min  
Response: 162871765  
Conc: 65.20 ng/ml



#9 Endosulfan I

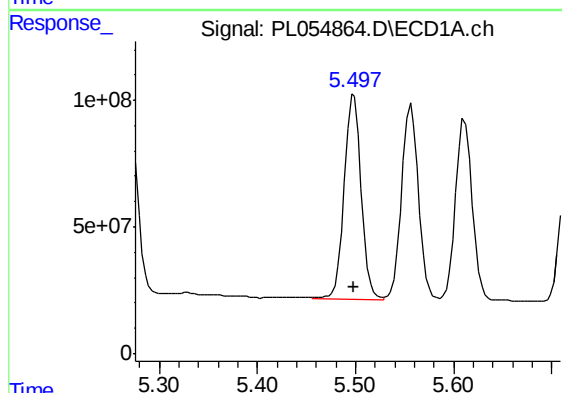
R.T.: 5.611 min  
Delta R.T.: 0.000 min  
Response: 843844848  
Conc: 61.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



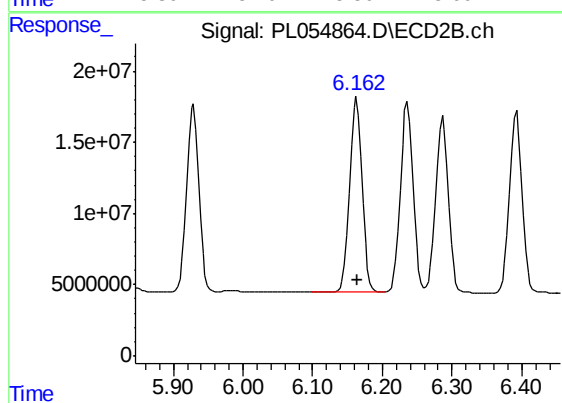
#9 Endosulfan I

R.T.: 6.287 min  
Delta R.T.: 0.000 min  
Response: 157103628  
Conc: 63.51 ng/ml



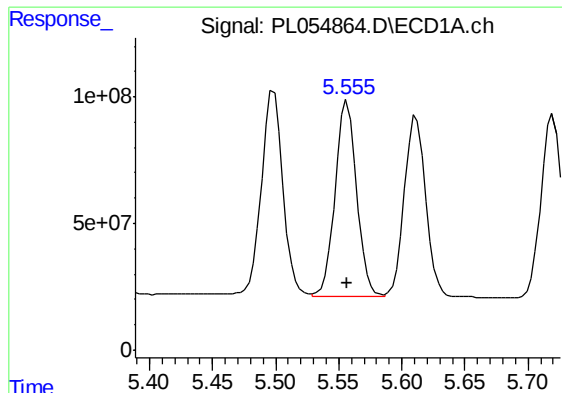
#10 gamma-Chlordane

R.T.: 5.498 min  
Delta R.T.: 0.000 min  
Response: 963879329  
Conc: 63.56 ng/ml



#10 gamma-Chlordane

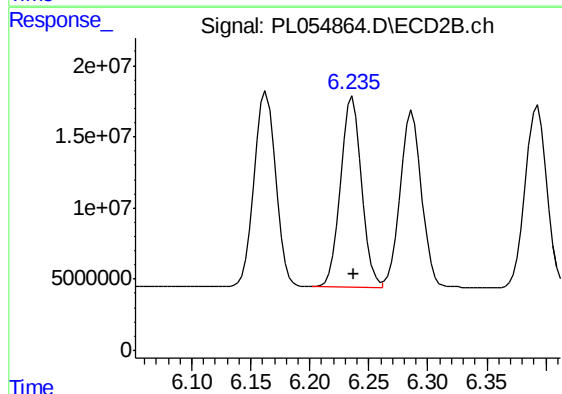
R.T.: 6.163 min  
Delta R.T.: -0.001 min  
Response: 171073787  
Conc: 64.94 ng/ml



#11 alpha-Chlordane

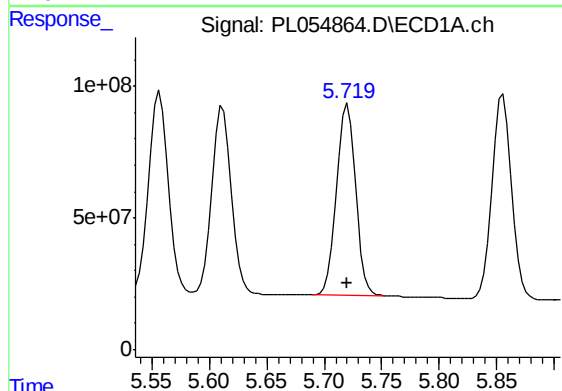
R.T.: 5.557 min  
Delta R.T.: 0.000 min  
Response: 913515293  
Conc: 61.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



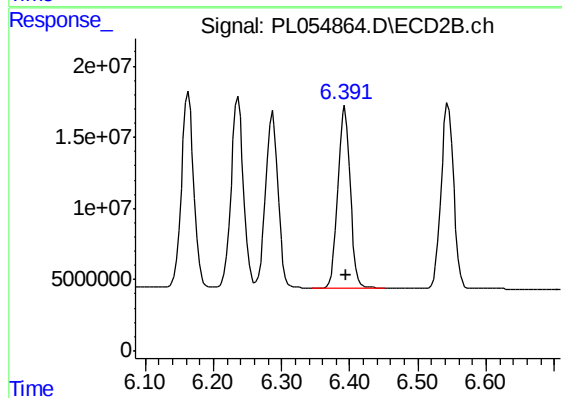
#11 alpha-Chlordane

R.T.: 6.236 min  
Delta R.T.: -0.001 min  
Response: 168727542  
Conc: 64.26 ng/ml



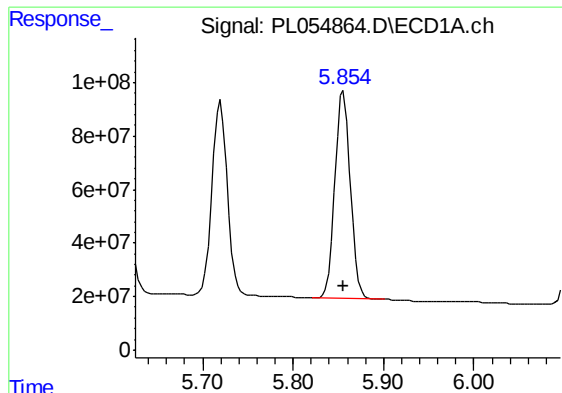
#12 4,4'-DDE

R.T.: 5.720 min  
Delta R.T.: 0.000 min  
Response: 849957257  
Conc: 63.88 ng/ml



#12 4,4'-DDE

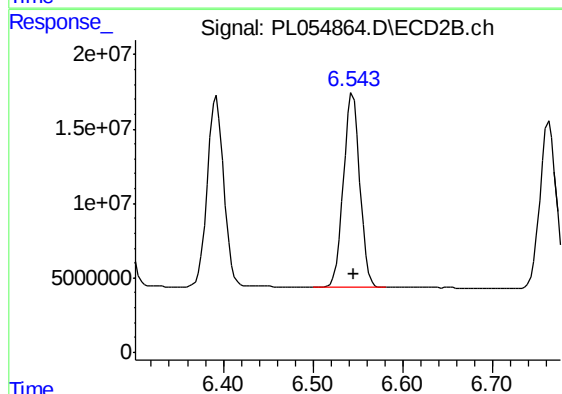
R.T.: 6.393 min  
Delta R.T.: 0.000 min  
Response: 160728785  
Conc: 64.93 ng/ml



#13 Dieldrin

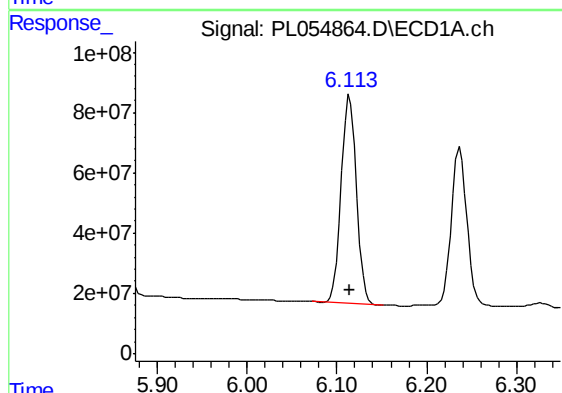
R.T.: 5.856 min  
Delta R.T.: 0.000 min  
Response: 914139259  
Conc: 64.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



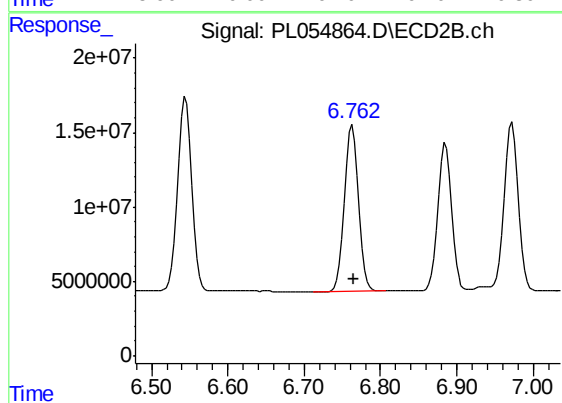
#13 Dieldrin

R.T.: 6.544 min  
Delta R.T.: -0.001 min  
Response: 165146419  
Conc: 64.88 ng/ml



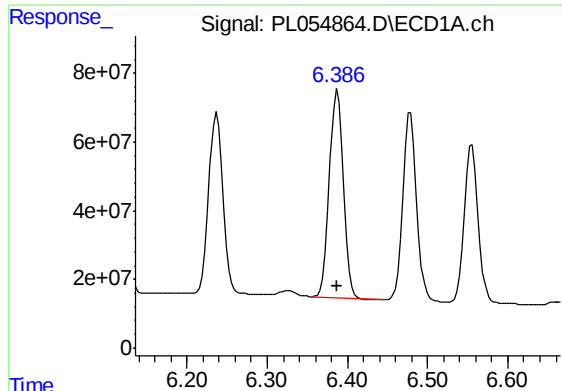
#14 Endrin

R.T.: 6.114 min  
Delta R.T.: 0.000 min  
Response: 821532269  
Conc: 64.52 ng/ml



#14 Endrin

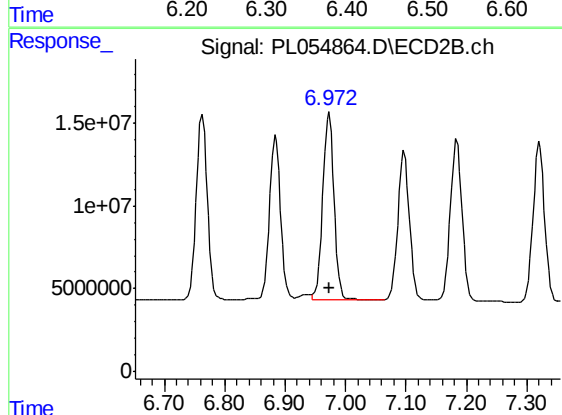
R.T.: 6.763 min  
Delta R.T.: 0.000 min  
Response: 142313838  
Conc: 64.24 ng/ml



#15 Endosulfan II

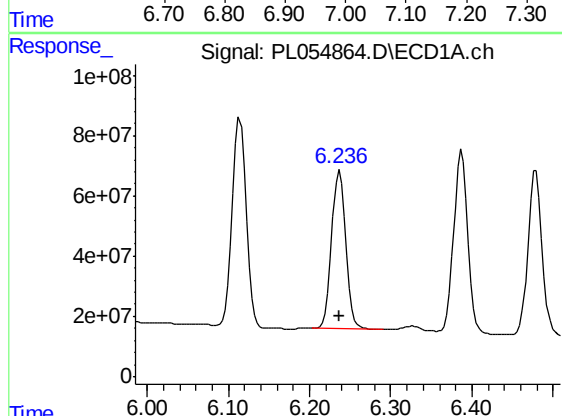
R.T.: 6.387 min  
Delta R.T.: 0.000 min  
Response: 728138611  
Conc: 60.18 ng/ml

Instrument :  
ECD\_L  
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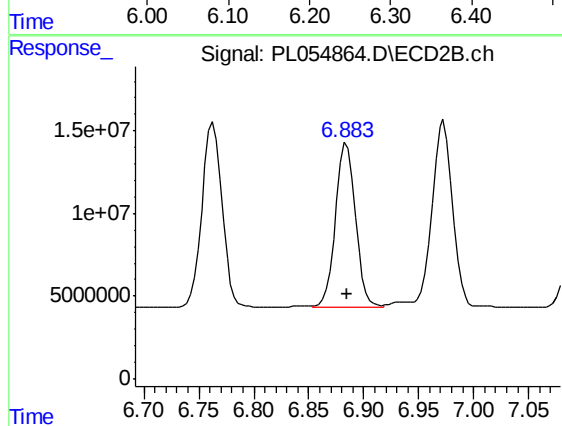
#15 Endosulfan II

R.T.: 6.973 min  
Delta R.T.: 0.000 min  
Response: 148593072  
Conc: 63.20 ng/ml



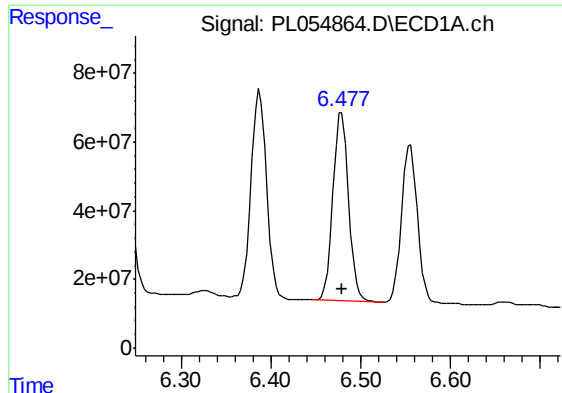
#16 4,4'-DDD

R.T.: 6.237 min  
Delta R.T.: 0.000 min  
Response: 638532490  
Conc: 65.37 ng/ml



#16 4,4'-DDD

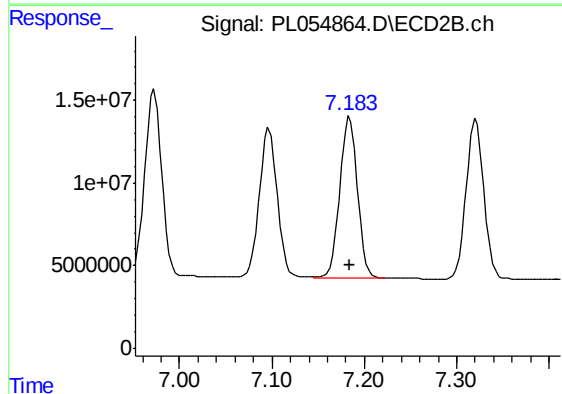
R.T.: 6.885 min  
Delta R.T.: 0.000 min  
Response: 125758786  
Conc: 65.50 ng/ml



#17 4,4'-DDT

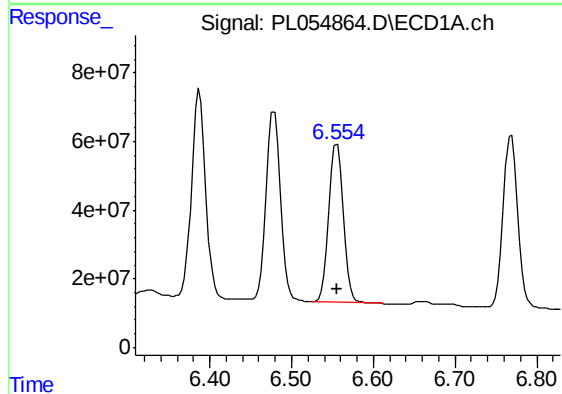
R.T.: 6.479 min  
Delta R.T.: 0.000 min  
Response: 668614738  
Conc: 63.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



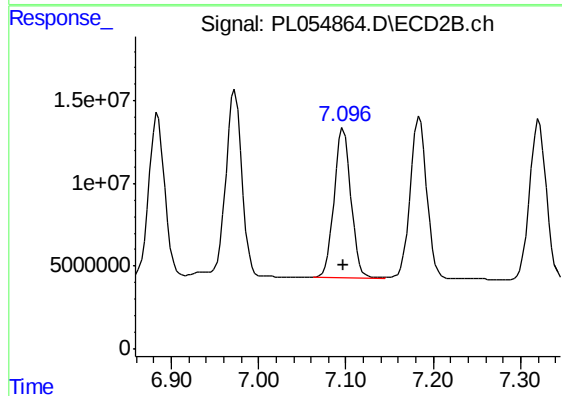
#17 4,4'-DDT

R.T.: 7.184 min  
Delta R.T.: 0.000 min  
Response: 129127767  
Conc: 65.17 ng/ml



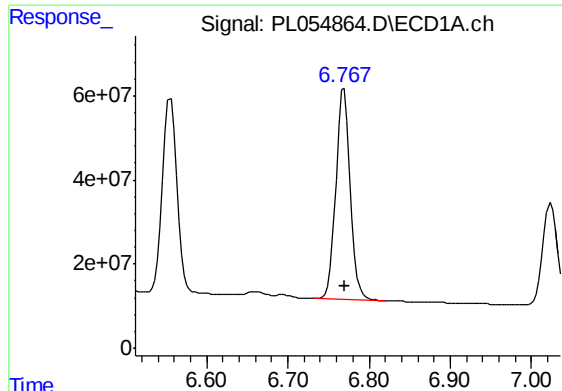
#18 Endrin aldehyde

R.T.: 6.555 min  
Delta R.T.: 0.000 min  
Response: 567128372  
Conc: 57.27 ng/ml



#18 Endrin aldehyde

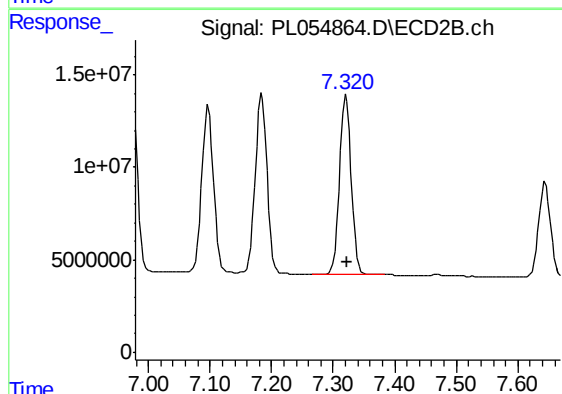
R.T.: 7.097 min  
Delta R.T.: 0.000 min  
Response: 121075457  
Conc: 61.77 ng/ml



#19 Endosulfan Sulfate

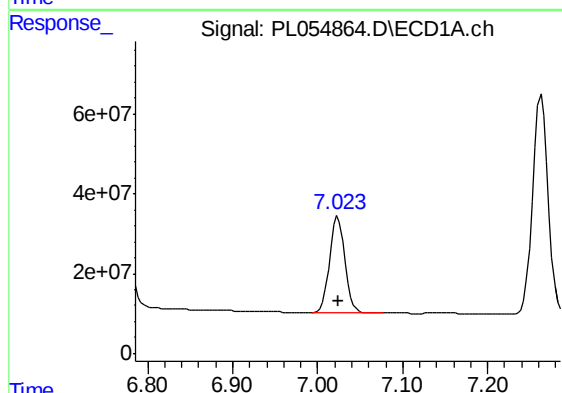
R.T.: 6.769 min  
Delta R.T.: 0.000 min  
Response: 618816592  
Conc: 57.79 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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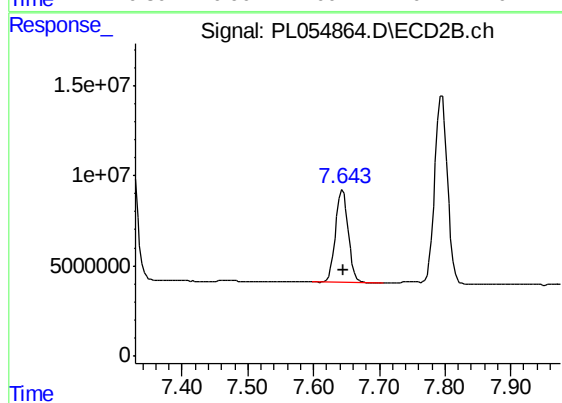
#19 Endosulfan Sulfate

R.T.: 7.321 min  
Delta R.T.: 0.000 min  
Response: 128296198  
Conc: 60.50 ng/ml



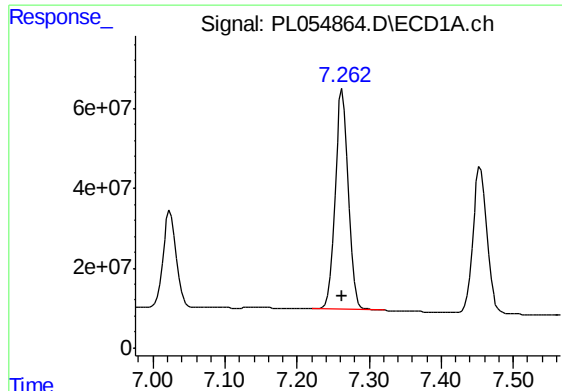
#20 Methoxychlor

R.T.: 7.024 min  
Delta R.T.: 0.000 min  
Response: 303107427  
Conc: 60.48 ng/ml



#20 Methoxychlor

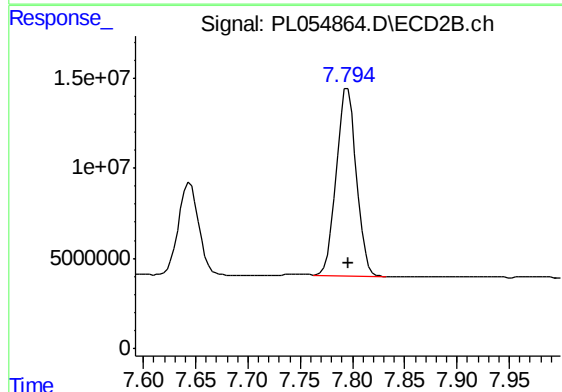
R.T.: 7.644 min  
Delta R.T.: 0.000 min  
Response: 69251979  
Conc: 60.71 ng/ml



#21 Endrin ketone

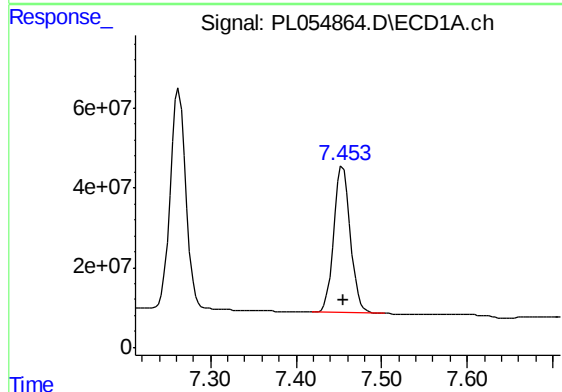
R.T.: 7.263 min  
Delta R.T.: 0.000 min  
Response: 696436349  
Conc: 64.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



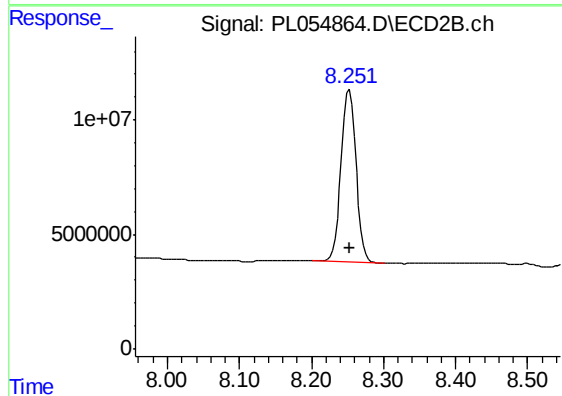
#21 Endrin ketone

R.T.: 7.795 min  
Delta R.T.: 0.000 min  
Response: 140518031  
Conc: 62.43 ng/ml



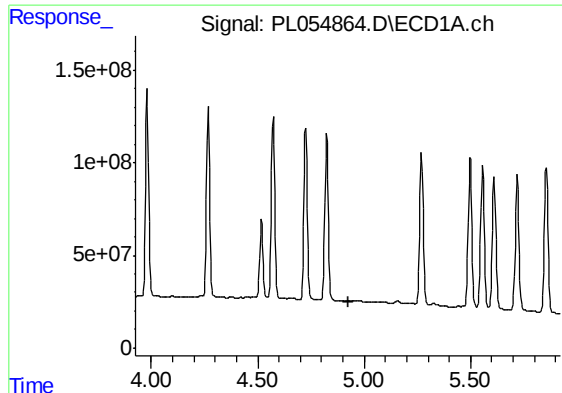
#22 Mirex

R.T.: 7.455 min  
Delta R.T.: 0.000 min  
Response: 495271236  
Conc: 61.01 ng/ml



#22 Mirex

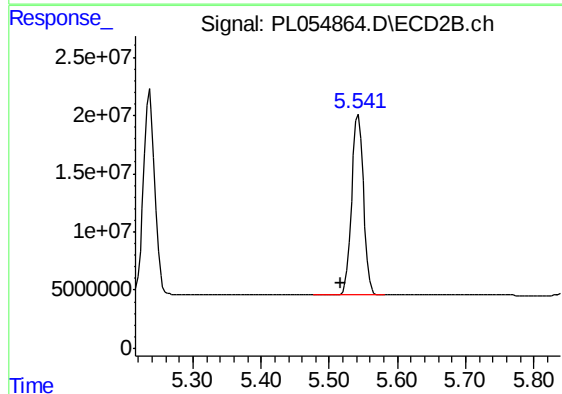
R.T.: 8.253 min  
Delta R.T.: -0.001 min  
Response: 108634200  
Conc: 62.86 ng/ml



#24 Chlordane-2

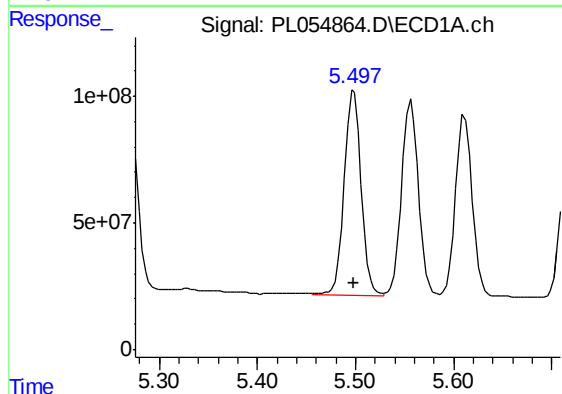
R.T.: 0.000 min  
Exp R.T.: 4.924 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



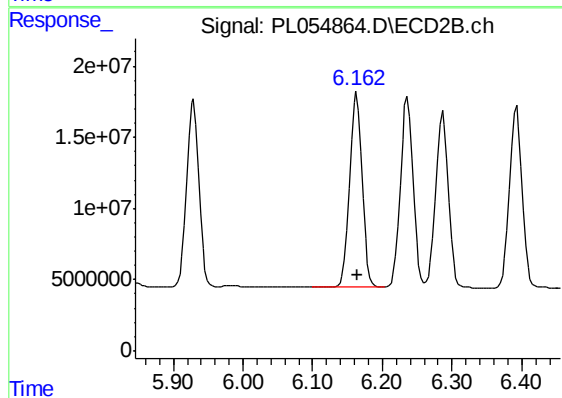
#24 Chlordane-2

R.T.: 5.543 min  
Delta R.T.: 0.026 min  
Response: 184119724  
Conc: 2054.36 ng/ml



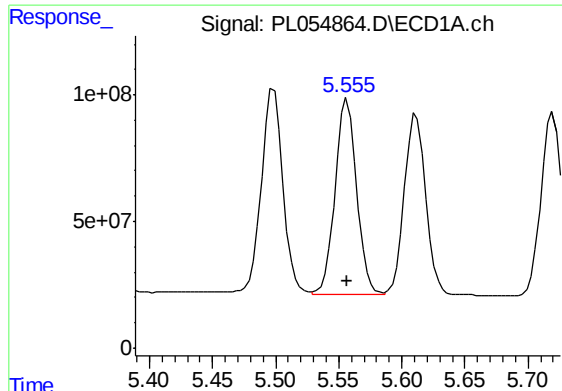
#25 Chlordane-3

R.T.: 5.498 min  
Delta R.T.: 0.000 min  
Response: 963879329  
Conc: 750.61 ng/ml



#25 Chlordane-3

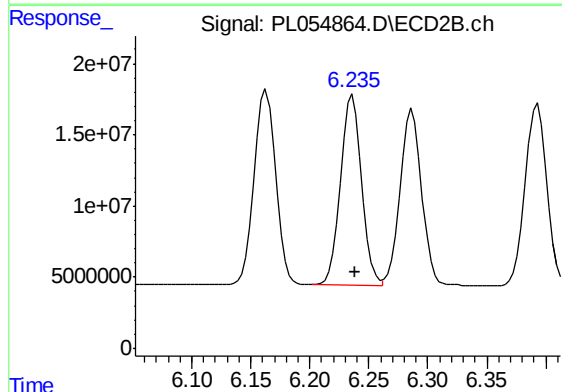
R.T.: 6.163 min  
Delta R.T.: 0.000 min  
Response: 171073787  
Conc: 551.14 ng/ml



#26 Chlordane-4

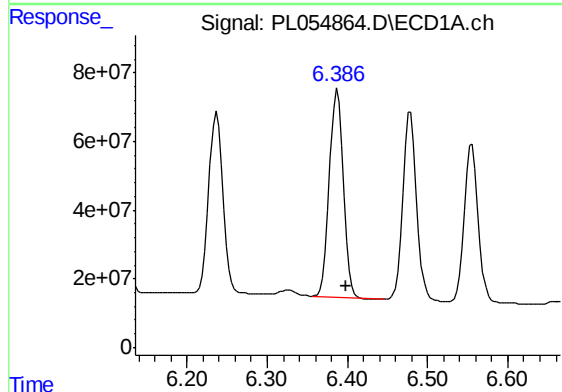
R.T.: 5.557 min  
Delta R.T.: 0.000 min  
Response: 913515293  
Conc: 864.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



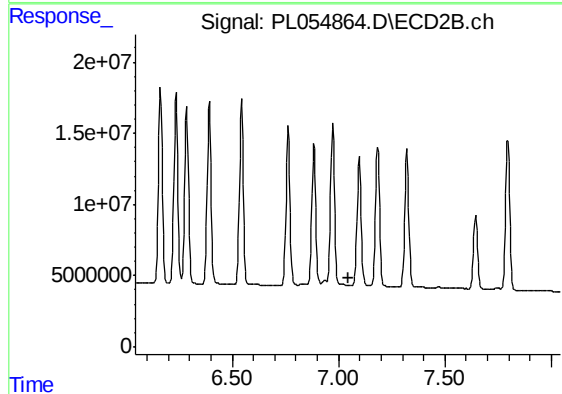
#26 Chlordane-4

R.T.: 6.236 min  
Delta R.T.: -0.002 min  
Response: 168727542  
Conc: 448.40 ng/ml



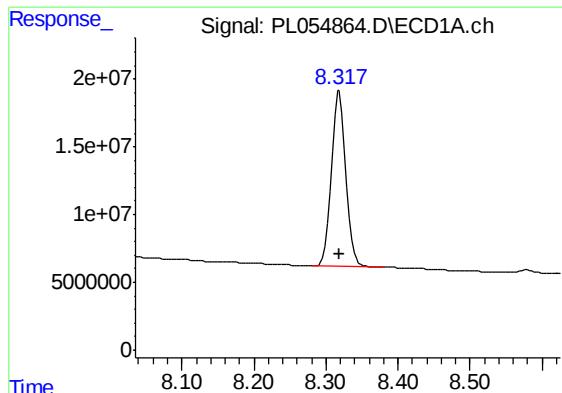
#27 Chlordane-5

R.T.: 6.387 min  
Delta R.T.: -0.010 min  
Response: 728138611  
Conc: 1933.96 ng/ml



#27 Chlordane-5

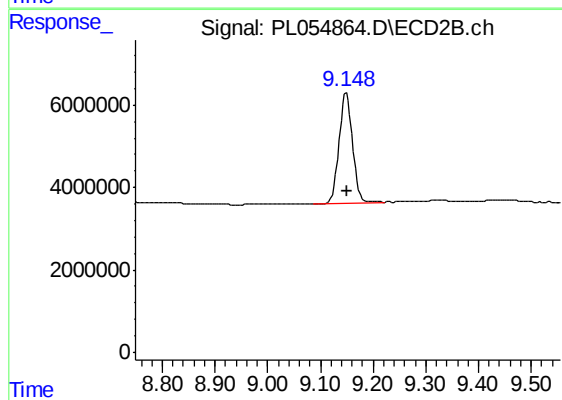
R.T.: 0.000 min  
Exp R.T. : 7.045 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.319 min  
Delta R.T.: 0.000 min  
Response: 180035070  
Conc: 18.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
AU-06-112219MSD



#28 Decachlorobiphenyl

R.T.: 9.149 min  
Delta R.T.: -0.002 min  
Response: 47108824  
Conc: 19.65 ng/ml