

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL060223\  
 Data File : PL083192.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Jun 2023 19:04  
 Operator : AR\AJ  
 Sample : 03002-04MS  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

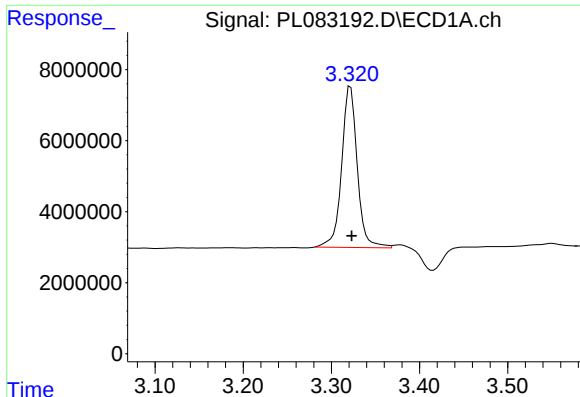
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 04 21:18:30 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL051923.M  
 Quant Title : GC Extractables  
 QLast Update : Sat May 20 04:58:53 2023  
 Response via : Initial Calibration  
 Integrator: 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... | 3.322 | 2.630  | 55786616 | 45210686 | 18.981  | 17.415     |
| 2)                          | SA Decachlor... | 8.742 | 7.739  | 37106349 | 41803380 | 17.692  | 16.812     |
| Target Compounds            |                 |       |        |          |          |         |            |
| 2)                          | A alpha-BHC     | 3.772 | 3.126  | 192.9E6  | 153.2E6  | 43.454  | 41.049     |
| 3)                          | MA gamma-BHC... | 4.100 | 3.454  | 186.3E6  | 146.7E6  | 44.977  | 44.005     |
| 4)                          | MA Heptachlor   | 4.678 | 3.785  | 163.7E6  | 154.2E6  | 42.825  | 42.126     |
| 5)                          | MB Aldrin       | 5.014 | 4.061  | 160.3E6  | 144.2E6  | 45.570  | 44.326     |
| 6)                          | B beta-BHC      | 4.304 | 3.755  | 77397422 | 57933829 | 41.109  | 40.511     |
| 7)                          | B delta-BHC     | 4.545 | 3.980  | 178.2E6  | 139.8E6  | 51.826  | 42.654     |
| 8)                          | B Heptachlo...  | 5.441 | 4.563  | 146.0E6  | 132.0E6  | 45.655  | 44.474     |
| 9)                          | A Endosulfan I  | 5.821 | 4.930  | 140.6E6  | 120.4E6  | 46.860  | 43.090     |
| 10)                         | B gamma-Chl...  | 5.696 | 4.812  | 152.8E6  | 131.5E6  | 48.101  | 43.778     |
| 11)                         | B alpha-Chl...  | 5.773 | 4.875  | 151.4E6  | 131.8E6  | 47.174  | 43.900     |
| 12)                         | B 4,4'-DDE      | 5.952 | 5.065  | 131.2E6  | 109.5E6  | 47.608  | 45.082     |
| 13)                         | MA Dieldrin     | 6.097 | 5.194  | 144.4E6  | 128.3E6  | 48.024  | 45.466     |
| 14)                         | MA Endrin       | 6.323 | 5.468  | 125.3E6  | 117.7E6  | 46.640  | 46.378     |
| 15)                         | B Endosulfa...  | 6.546 | 5.766  | 127.4E6  | 112.0E6  | 48.004  | 45.261     |
| 16)                         | A 4,4'-DDD      | 6.468 | 5.620  | 106.4E6  | 87618501 | 48.973  | 45.558     |
| 17)                         | MA 4,4'-DDT     | 6.779 | 5.868  | 118.0E6  | 99165093 | 47.147  | 44.448     |
| 18)                         | B Endrin al...  | 6.676 | 5.946  | 102.0E6  | 91515825 | 50.710  | 46.279     |
| 19)                         | B Endosulfa...  | 6.910 | 6.169  | 120.8E6  | 109.6E6  | 47.137  | 44.760     |
| 20)                         | A Methoxychlor  | 7.260 | 6.447  | 64174448 | 62221803 | 48.530  | 48.926     |
| 21)                         | B Endrin ke...  | 7.390 | 6.673  | 124.9E6  | 122.8E6  | 48.983  | 45.429     |
| 22)                         | Mirex           | 7.853 | 6.844  | 97313658 | 106.3E6  | 46.428  | 45.411     |
| 23)                         | Chlordane-1     | 0.000 | 3.649f | 0        | 835949   | N.D.    | 10.131 #   |
| 24)                         | Chlordane-2     | 4.972 | 4.200  | 165150   | 136329   | 1.499   | 1.531      |
| 25)                         | Chlordane-3     | 5.696 | 4.812  | 152.8E6  | 131.5E6  | 368.315 | 493.355 #  |
| 26)                         | Chlordane-4     | 5.773 | 4.875  | 151.4E6  | 131.8E6  | 298.979 | 467.739 #  |
| 27)                         | Chlordane-5     | 0.000 | 5.766  | 0        | 112.0E6  | N.D.    | 1152.732 # |
| -----                       |                 |       |        |          |          |         |            |

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

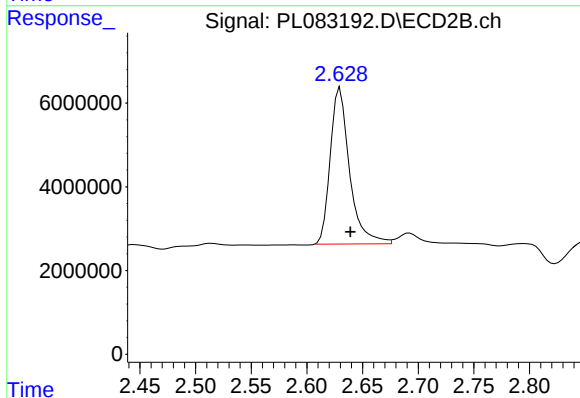




#1 Tetrachloro-m-xylene

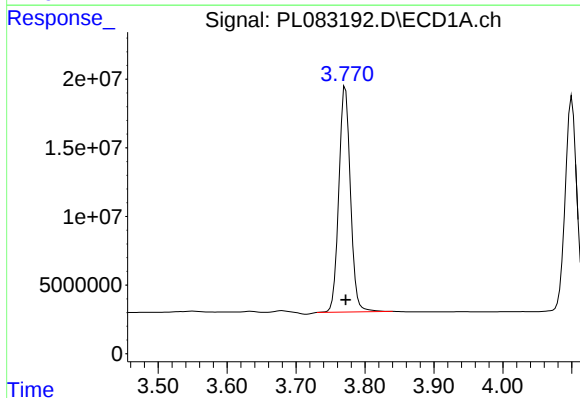
R.T.: 3.322 min  
Delta R.T.: -0.001 min  
Response: 55786616  
Conc: 18.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



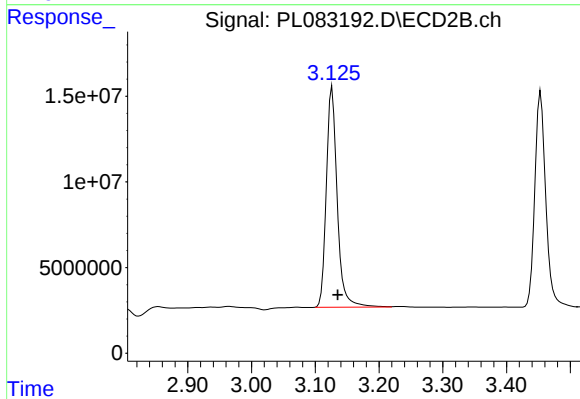
#1 Tetrachloro-m-xylene

R.T.: 2.630 min  
Delta R.T.: -0.009 min  
Response: 45210686  
Conc: 17.41 ng/ml



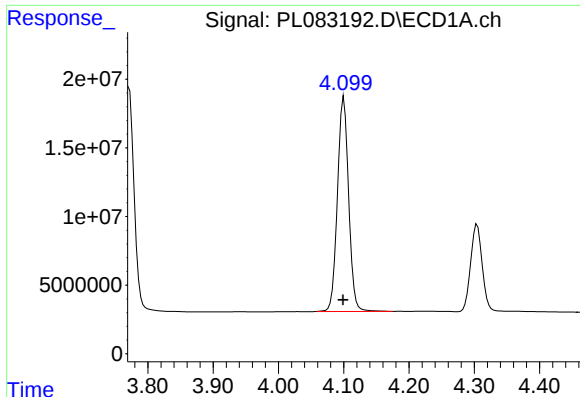
#2 alpha-BHC

R.T.: 3.772 min  
Delta R.T.: 0.000 min  
Response: 192903953  
Conc: 43.45 ng/ml



#2 alpha-BHC

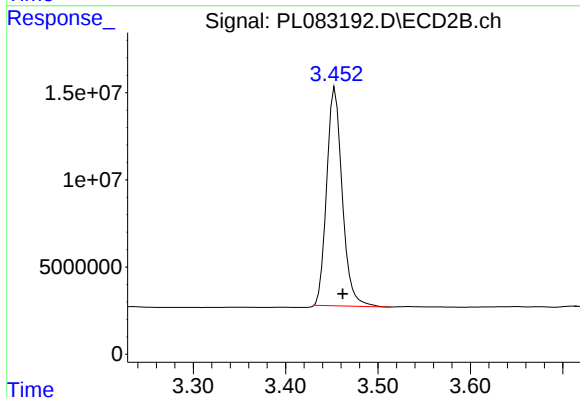
R.T.: 3.126 min  
Delta R.T.: -0.009 min  
Response: 153172554  
Conc: 41.05 ng/ml



#3 gamma-BHC (Lindane)

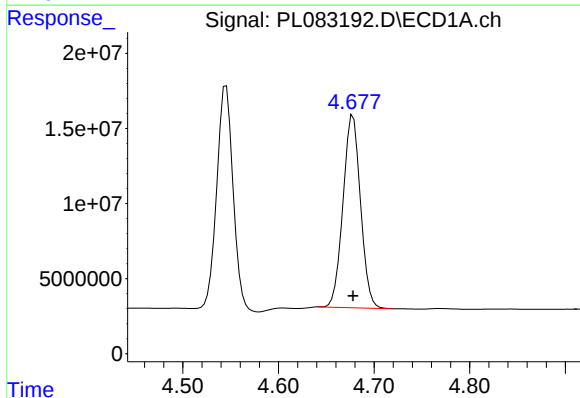
R.T.: 4.100 min  
Delta R.T.: 0.001 min  
Response: 186335955  
Conc: 44.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



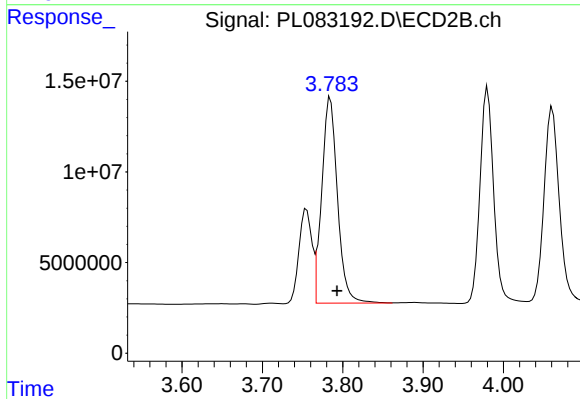
#3 gamma-BHC (Lindane)

R.T.: 3.454 min  
Delta R.T.: -0.008 min  
Response: 146680694  
Conc: 44.00 ng/ml



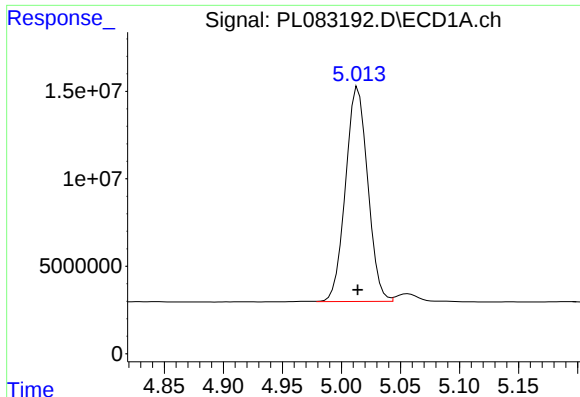
#4 Heptachlor

R.T.: 4.678 min  
Delta R.T.: 0.000 min  
Response: 163698870  
Conc: 42.83 ng/ml



#4 Heptachlor

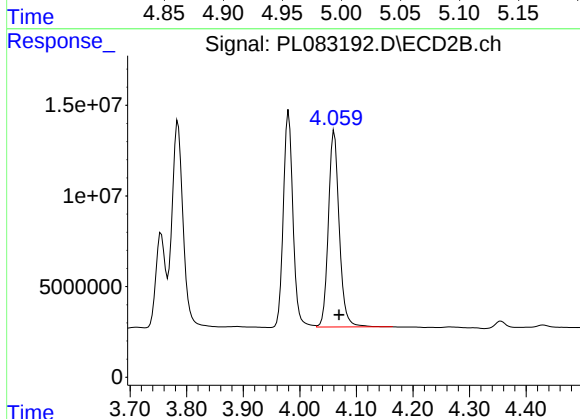
R.T.: 3.785 min  
Delta R.T.: -0.008 min  
Response: 154227016  
Conc: 42.13 ng/ml



#5 Aldrin

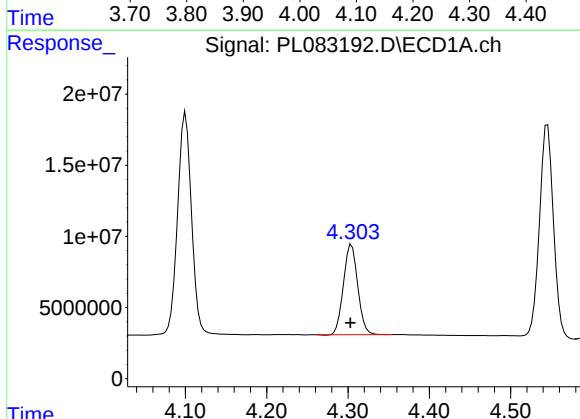
R.T.: 5.014 min  
Delta R.T.: 0.000 min  
Response: 160322492  
Conc: 45.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



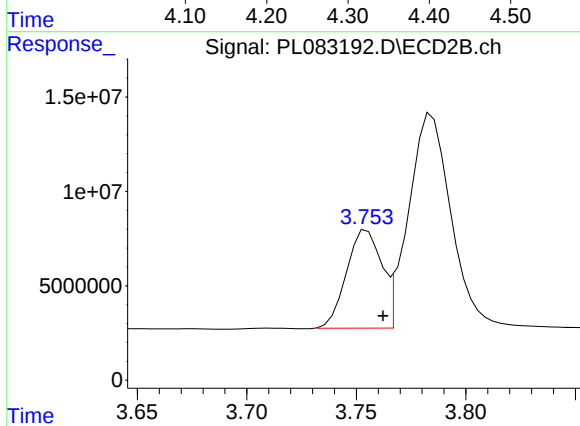
#5 Aldrin

R.T.: 4.061 min  
Delta R.T.: -0.009 min  
Response: 144219055  
Conc: 44.33 ng/ml



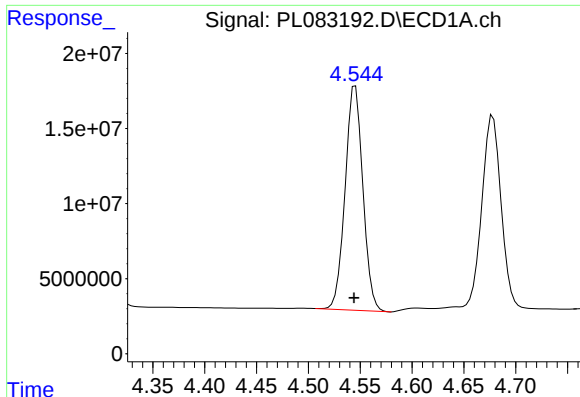
#6 beta-BHC

R.T.: 4.304 min  
Delta R.T.: 0.001 min  
Response: 77397422  
Conc: 41.11 ng/ml



#6 beta-BHC

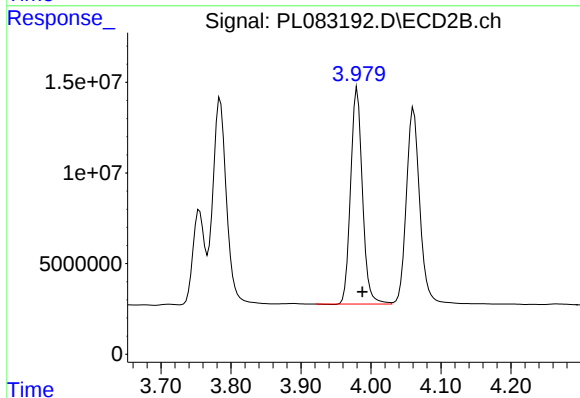
R.T.: 3.755 min  
Delta R.T.: -0.007 min  
Response: 57933829  
Conc: 40.51 ng/ml



#7 delta-BHC

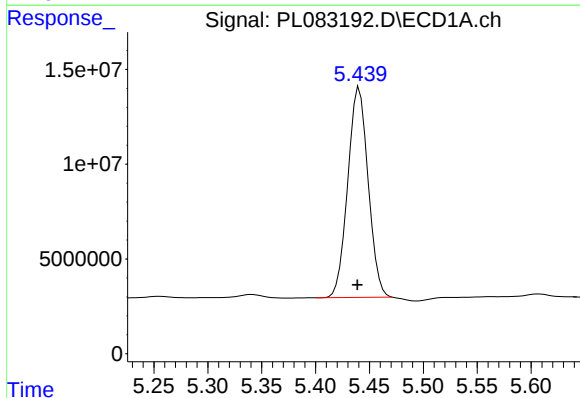
R.T.: 4.545 min  
Delta R.T.: 0.001 min  
Response: 178224517  
Conc: 51.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



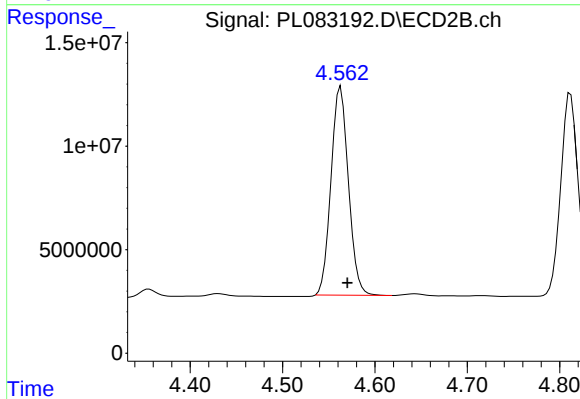
#7 delta-BHC

R.T.: 3.980 min  
Delta R.T.: -0.008 min  
Response: 139755369  
Conc: 42.65 ng/ml



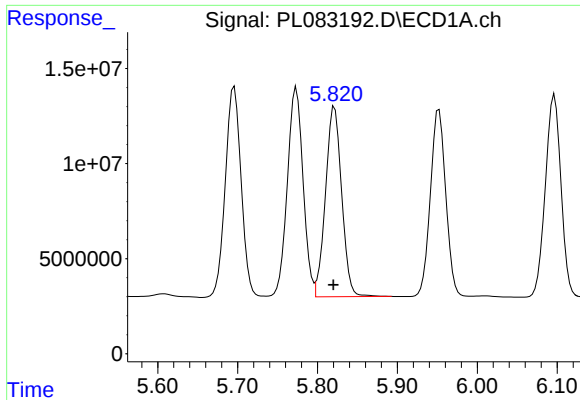
#8 Heptachlor epoxide

R.T.: 5.441 min  
Delta R.T.: 0.002 min  
Response: 146037046  
Conc: 45.65 ng/ml



#8 Heptachlor epoxide

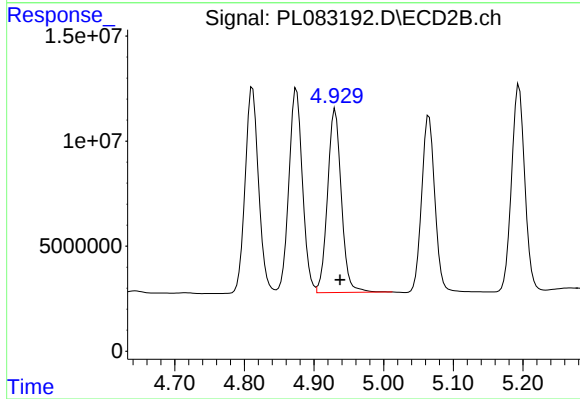
R.T.: 4.563 min  
Delta R.T.: -0.007 min  
Response: 131994067  
Conc: 44.47 ng/ml



#9 Endosulfan I

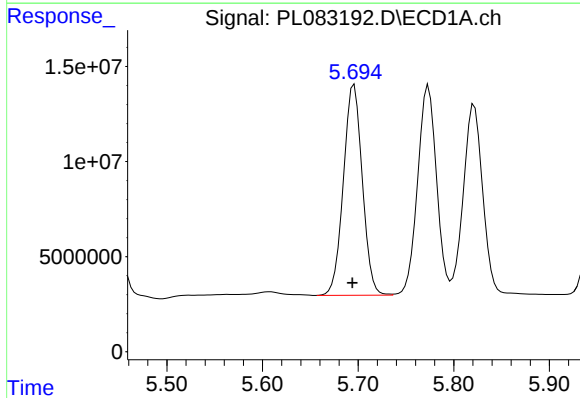
R.T.: 5.821 min  
Delta R.T.: 0.001 min  
Response: 140607427  
Conc: 46.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



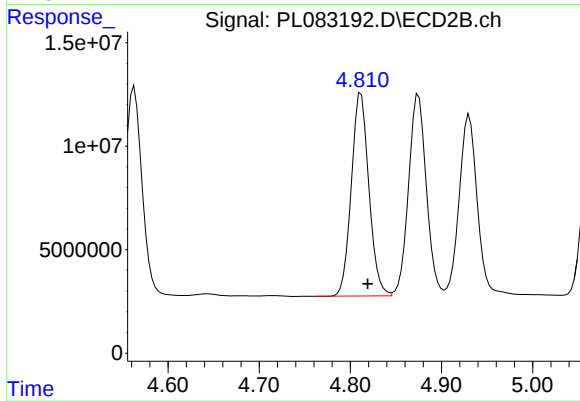
#9 Endosulfan I

R.T.: 4.930 min  
Delta R.T.: -0.007 min  
Response: 120408201  
Conc: 43.09 ng/ml



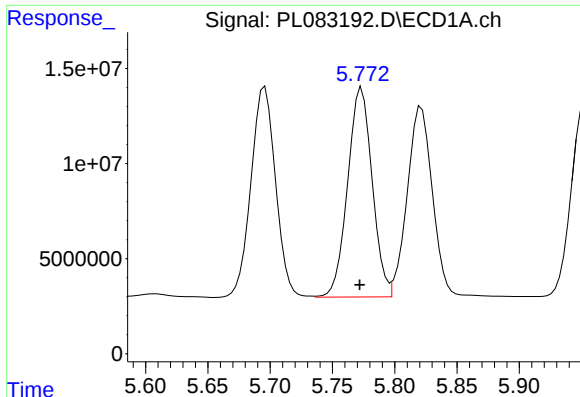
#10 gamma-Chlordane

R.T.: 5.696 min  
Delta R.T.: 0.002 min  
Response: 152814897  
Conc: 48.10 ng/ml



#10 gamma-Chlordane

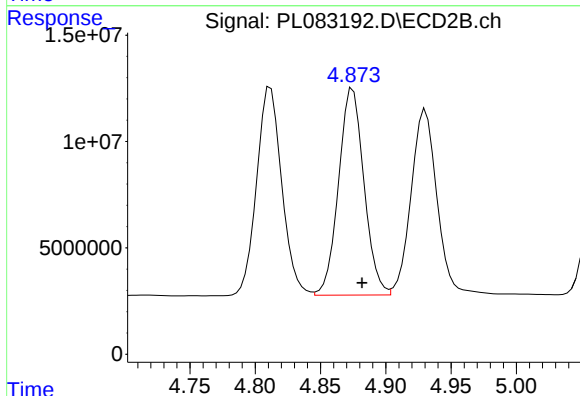
R.T.: 4.812 min  
Delta R.T.: -0.007 min  
Response: 131481317  
Conc: 43.78 ng/ml



#11 alpha-Chlordane

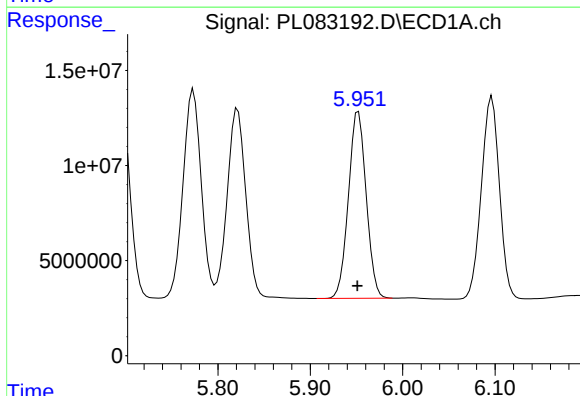
R.T.: 5.773 min  
Delta R.T.: 0.001 min  
Response: 151396283  
Conc: 47.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



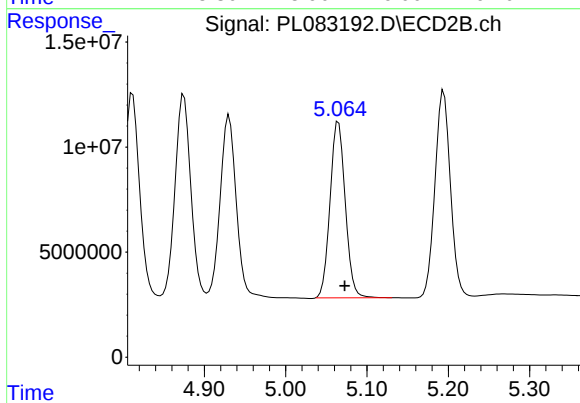
#11 alpha-Chlordane

R.T.: 4.875 min  
Delta R.T.: -0.007 min  
Response: 131786105  
Conc: 43.90 ng/ml



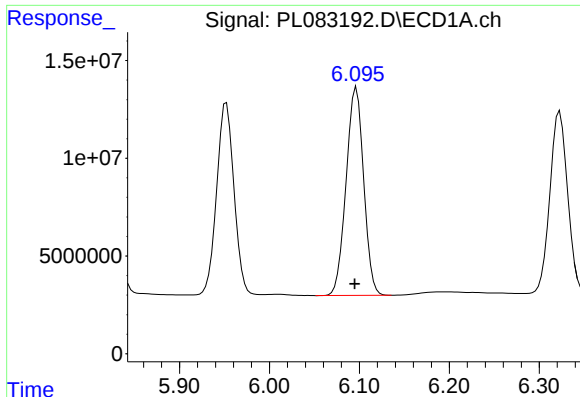
#12 4,4'-DDE

R.T.: 5.952 min  
Delta R.T.: 0.001 min  
Response: 131232420  
Conc: 47.61 ng/ml



#12 4,4'-DDE

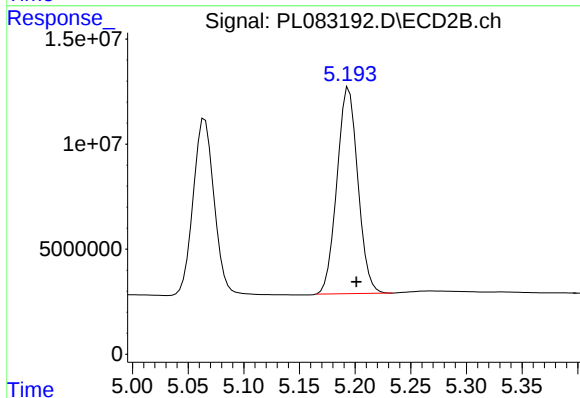
R.T.: 5.065 min  
Delta R.T.: -0.007 min  
Response: 109494149  
Conc: 45.08 ng/ml



#13 Dieldrin

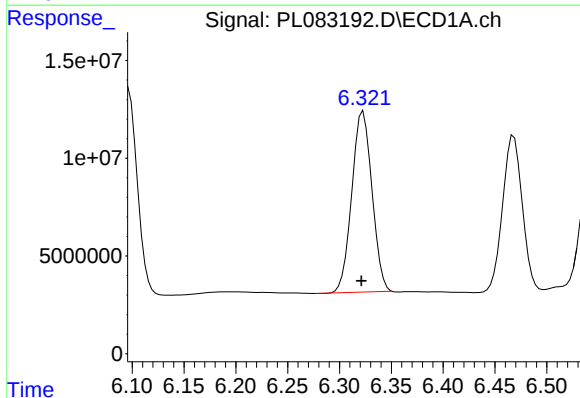
R.T.: 6.097 min  
Delta R.T.: 0.002 min  
Response: 144448869  
Conc: 48.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



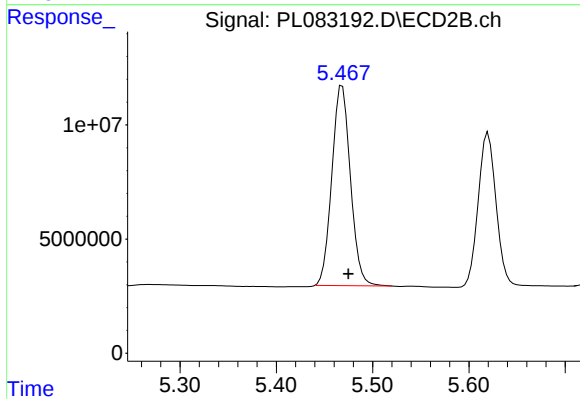
#13 Dieldrin

R.T.: 5.194 min  
Delta R.T.: -0.007 min  
Response: 128348110  
Conc: 45.47 ng/ml



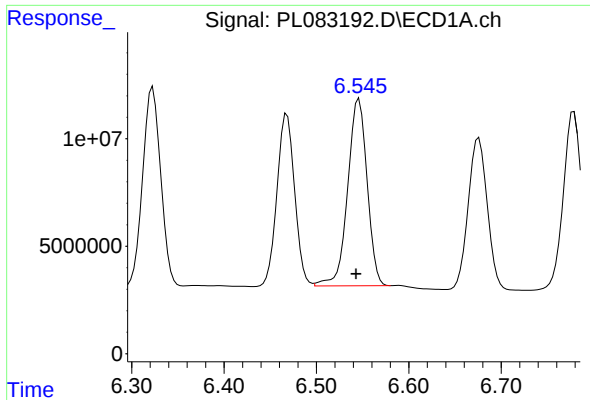
#14 Endrin

R.T.: 6.323 min  
Delta R.T.: 0.002 min  
Response: 125333981  
Conc: 46.64 ng/ml



#14 Endrin

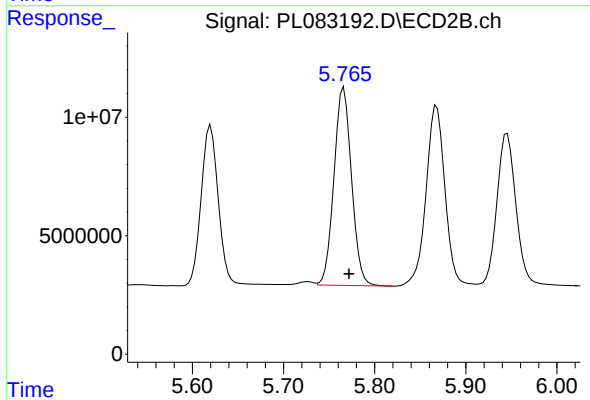
R.T.: 5.468 min  
Delta R.T.: -0.006 min  
Response: 117657595  
Conc: 46.38 ng/ml



#15 Endosulfan II

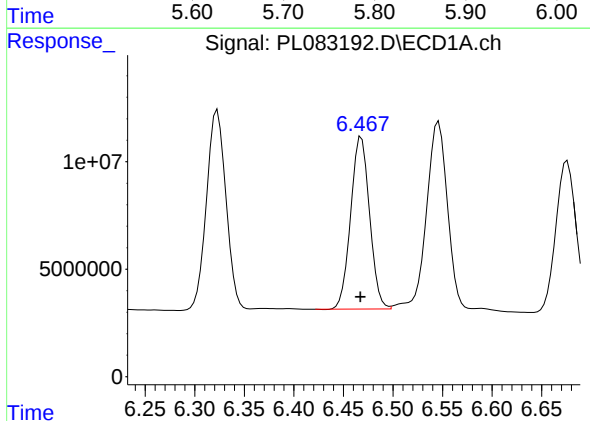
R.T.: 6.546 min  
Delta R.T.: 0.003 min  
Response: 127390726  
Conc: 48.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



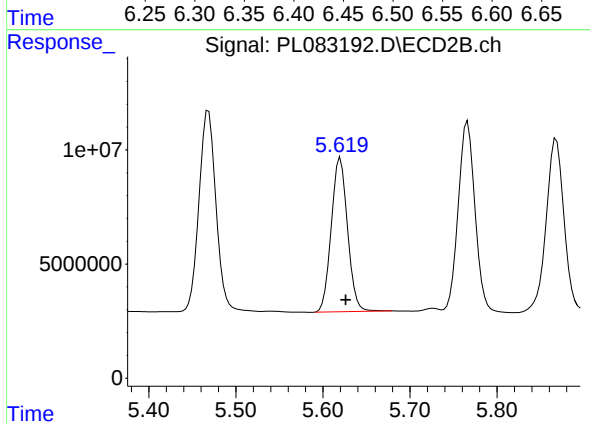
#15 Endosulfan II

R.T.: 5.766 min  
Delta R.T.: -0.006 min  
Response: 111983624  
Conc: 45.26 ng/ml



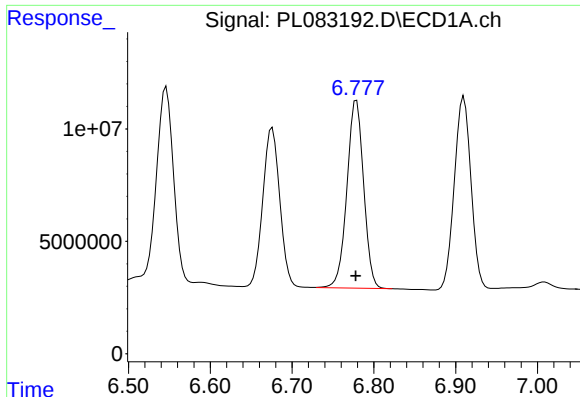
#16 4,4'-DDD

R.T.: 6.468 min  
Delta R.T.: 0.001 min  
Response: 106420792  
Conc: 48.97 ng/ml



#16 4,4'-DDD

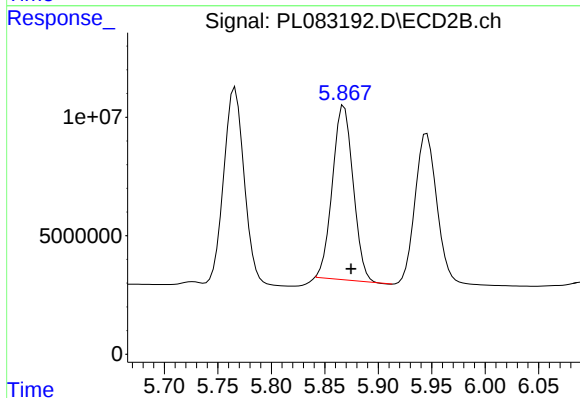
R.T.: 5.620 min  
Delta R.T.: -0.006 min  
Response: 87618501  
Conc: 45.56 ng/ml



#17 4,4'-DDT

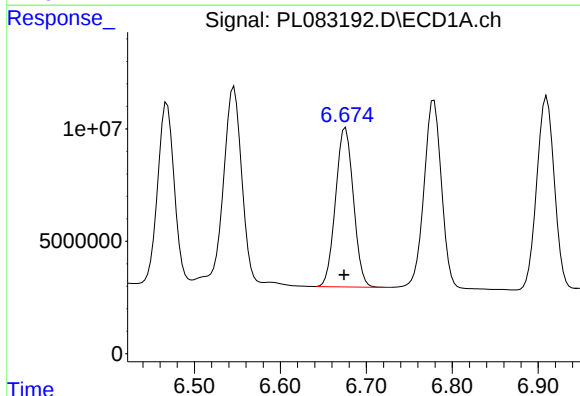
R.T.: 6.779 min  
Delta R.T.: 0.000 min  
Response: 118017923  
Conc: 47.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



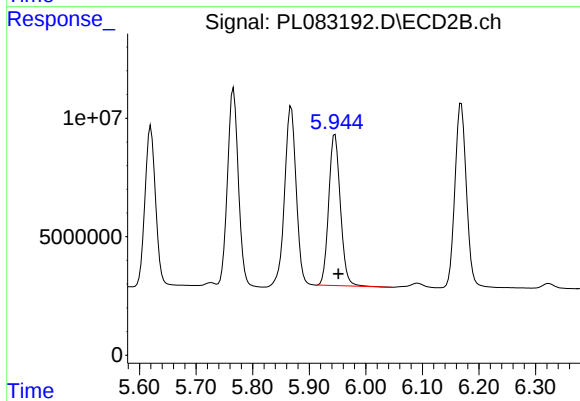
#17 4,4'-DDT

R.T.: 5.868 min  
Delta R.T.: -0.007 min  
Response: 99165093  
Conc: 44.45 ng/ml



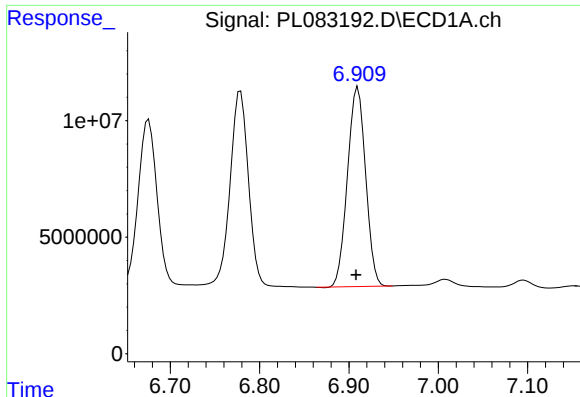
#18 Endrin aldehyde

R.T.: 6.676 min  
Delta R.T.: 0.002 min  
Response: 101959901  
Conc: 50.71 ng/ml



#18 Endrin aldehyde

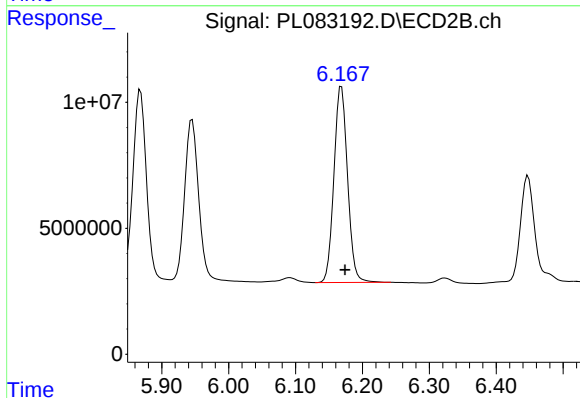
R.T.: 5.946 min  
Delta R.T.: -0.006 min  
Response: 91515825  
Conc: 46.28 ng/ml



#19 Endosulfan Sulfate

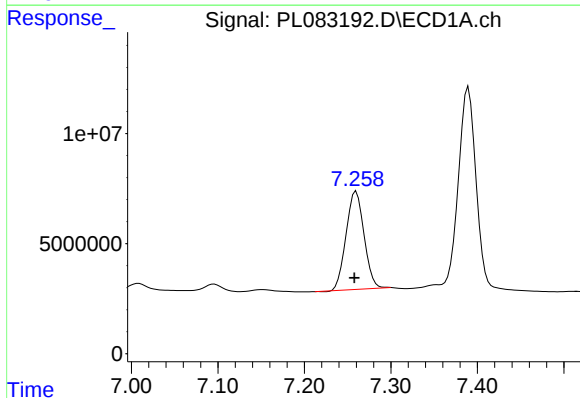
R.T.: 6.910 min  
Delta R.T.: 0.002 min  
Response: 120847216  
Conc: 47.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



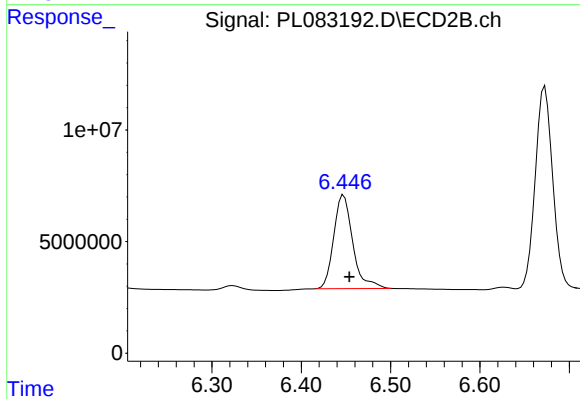
#19 Endosulfan Sulfate

R.T.: 6.169 min  
Delta R.T.: -0.005 min  
Response: 109615676  
Conc: 44.76 ng/ml



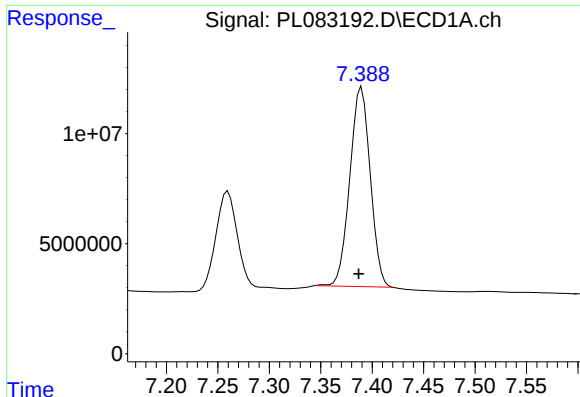
#20 Methoxychlor

R.T.: 7.260 min  
Delta R.T.: 0.002 min  
Response: 64174448  
Conc: 48.53 ng/ml



#20 Methoxychlor

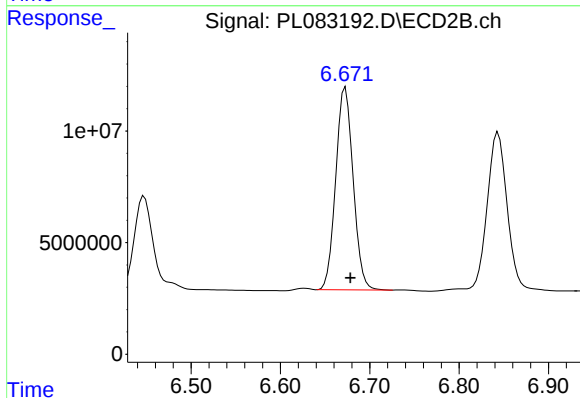
R.T.: 6.447 min  
Delta R.T.: -0.006 min  
Response: 62221803  
Conc: 48.93 ng/ml



#21 Endrin ketone

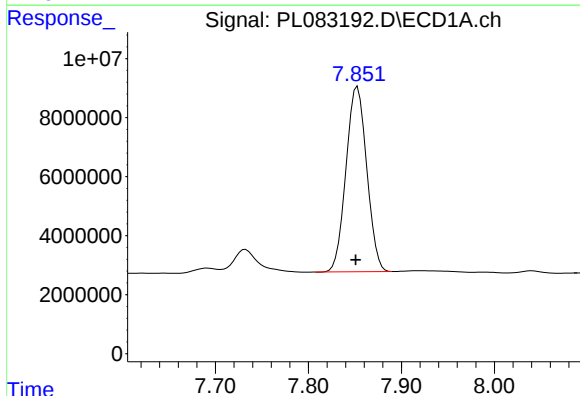
R.T.: 7.390 min  
Delta R.T.: 0.003 min  
Response: 124945919  
Conc: 48.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



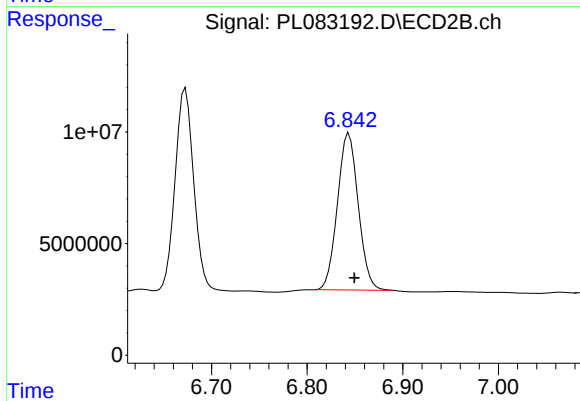
#21 Endrin ketone

R.T.: 6.673 min  
Delta R.T.: -0.005 min  
Response: 122832218  
Conc: 45.43 ng/ml



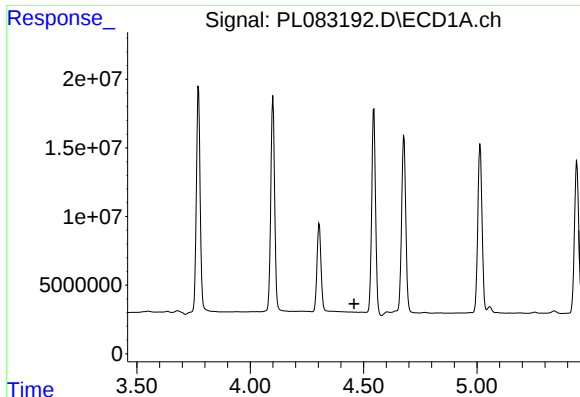
#22 Mirex

R.T.: 7.853 min  
Delta R.T.: 0.002 min  
Response: 97313658  
Conc: 46.43 ng/ml



#22 Mirex

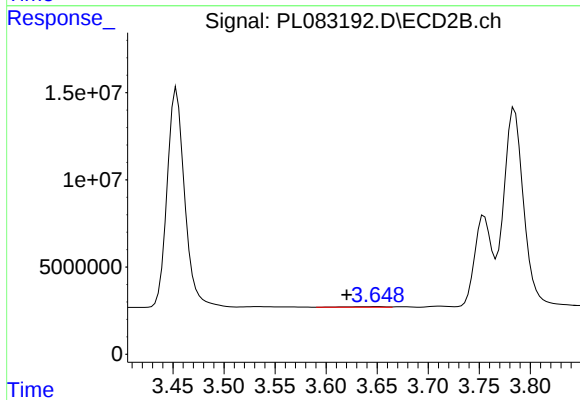
R.T.: 6.844 min  
Delta R.T.: -0.006 min  
Response: 106254065  
Conc: 45.41 ng/ml



#23 Chlordane-1

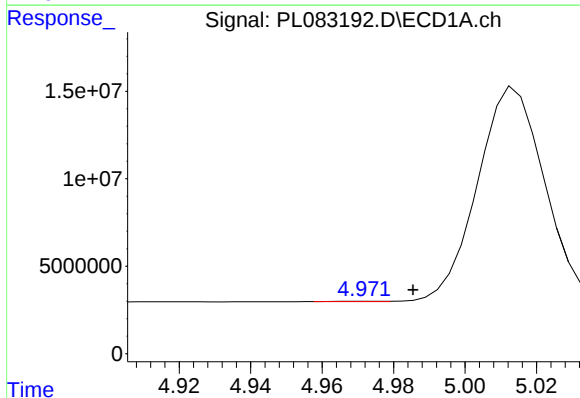
R.T.: 0.000 min  
Exp R.T.: 4.458 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



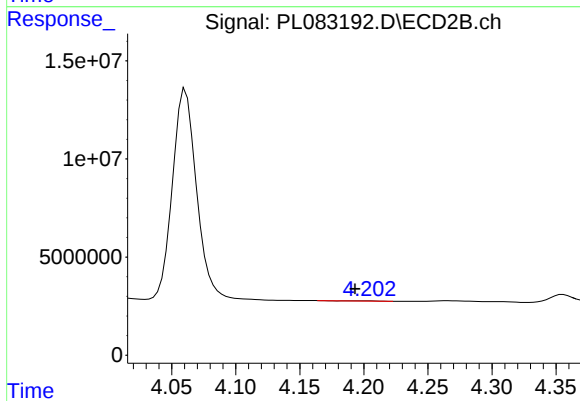
#23 Chlordane-1

R.T.: 3.649 min  
Delta R.T.: 0.029 min  
Response: 835949  
Conc: 10.13 ng/ml



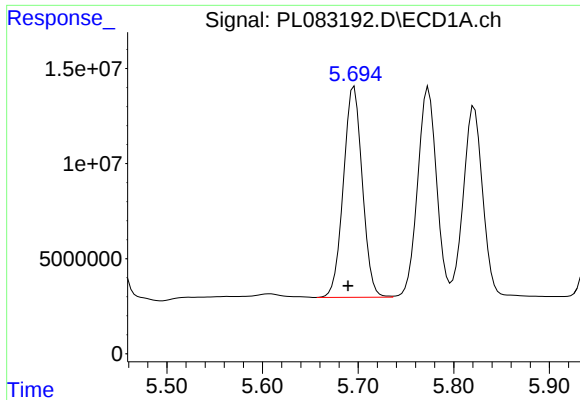
#24 Chlordane-2

R.T.: 4.972 min  
Delta R.T.: -0.013 min  
Response: 165150  
Conc: 1.50 ng/ml



#24 Chlordane-2

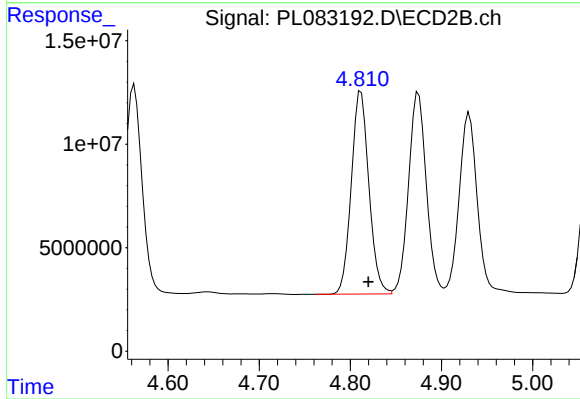
R.T.: 4.200 min  
Delta R.T.: 0.007 min  
Response: 136329  
Conc: 1.53 ng/ml



#25 Chlordane-3

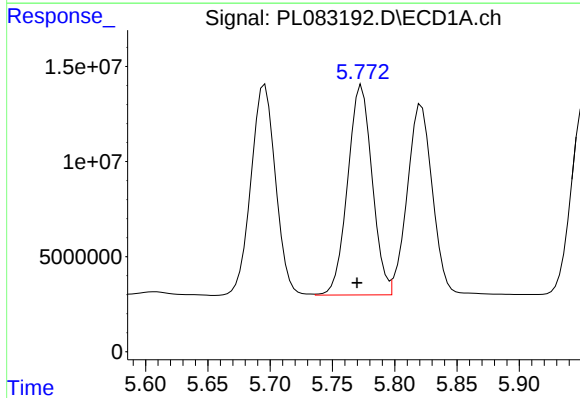
R.T.: 5.696 min  
Delta R.T.: 0.006 min  
Response: 152814897  
Conc: 368.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



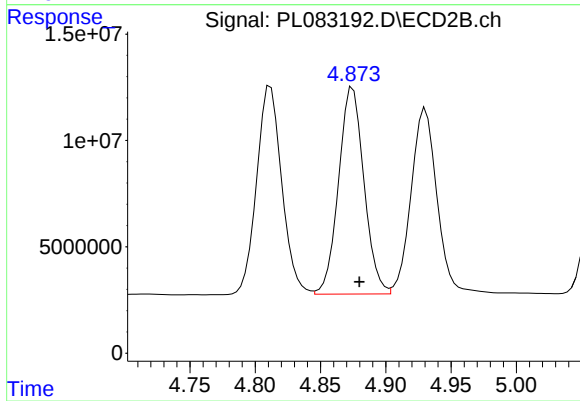
#25 Chlordane-3

R.T.: 4.812 min  
Delta R.T.: -0.008 min  
Response: 131481317  
Conc: 493.35 ng/ml



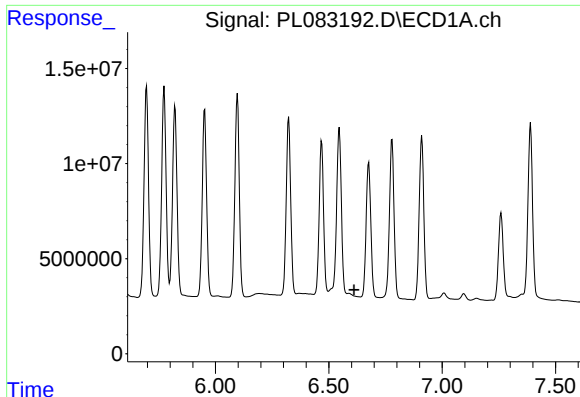
#26 Chlordane-4

R.T.: 5.773 min  
Delta R.T.: 0.004 min  
Response: 151396283  
Conc: 298.98 ng/ml



#26 Chlordane-4

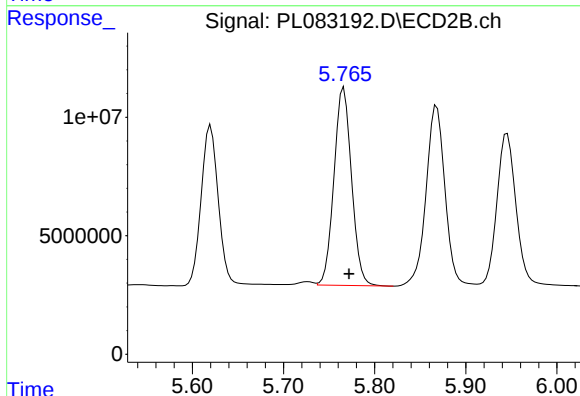
R.T.: 4.875 min  
Delta R.T.: -0.005 min  
Response: 131786105  
Conc: 467.74 ng/ml



#27 Chlordane-5

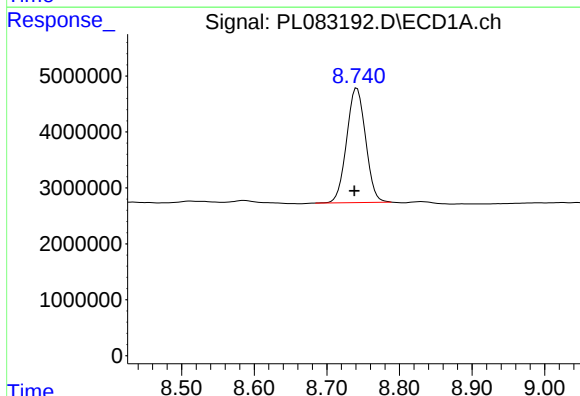
R.T.: 0.000 min  
Exp R.T.: 6.612 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



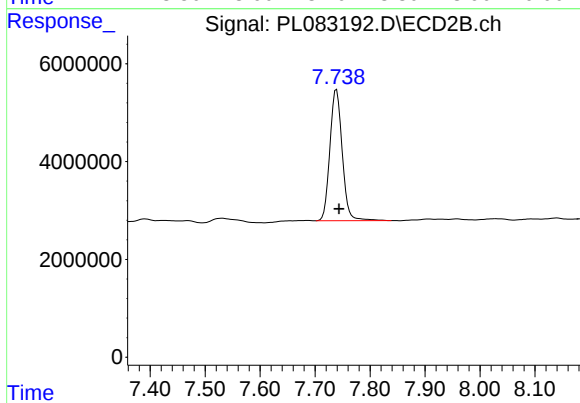
#27 Chlordane-5

R.T.: 5.766 min  
Delta R.T.: -0.006 min  
Response: 111983624  
Conc: 1152.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.742 min  
Delta R.T.: 0.004 min  
Response: 37106349  
Conc: 17.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.739 min  
Delta R.T.: -0.005 min  
Response: 41803380  
Conc: 16.81 ng/ml