

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071618\  
 Data File : PL038128.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Jul 2018 18:59  
 Operator : AJ\SJ  
 Sample : PSTDCCC50  
 Misc :  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :

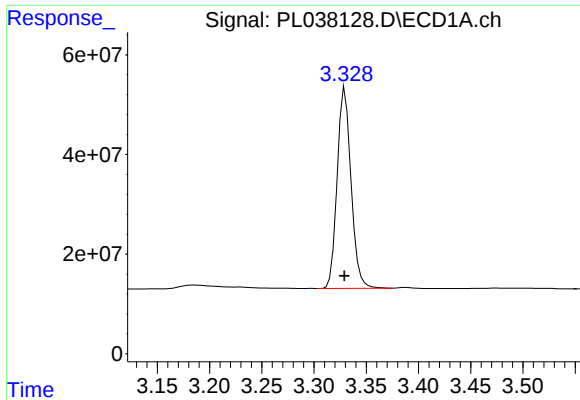
Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 17 01:46:37 2018  
 Quant Method : Z:\PESTPCBSRV\HPCHEM1\ECD\_L\methods\PL071318.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jul 14 00:12:12 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml    | ng/ml      |
|-----------------------------|-----------------|-------|-------|----------|----------|----------|------------|
| -----                       |                 |       |       |          |          |          |            |
| System Monitoring Compounds |                 |       |       |          |          |          |            |
| 1)                          | SA Tetrachlo... | 3.330 | 3.931 | 371.5E6  | 141.2E6  | 49.893   | 53.793     |
| 28)                         | SA Decachlor... | 8.003 | 8.940 | 335.0E6  | 114.4E6  | 44.164   | 46.789     |
| Target Compounds            |                 |       |       |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.759 | 4.310 | 595.4E6  | 212.5E6  | 50.394   | 54.900     |
| 3)                          | MA gamma-BHC... | 4.036 | 4.590 | 538.8E6  | 190.0E6  | 51.390   | 52.618     |
| 4)                          | MA Heptachlor   | 4.320 | 5.100 | 535.9E6  | 177.0E6  | 50.379   | 55.378     |
| 5)                          | MB Aldrin       | 4.559 | 5.403 | 537.6E6  | 167.2E6  | 51.358   | 54.170     |
| 6)                          | B beta-BHC      | 4.290 | 4.752 | 239.6E6  | 84354440 | 50.754   | 55.610     |
| 7)                          | B delta-BHC     | 4.484 | 4.966 | 568.5E6  | 184.7E6  | 52.375   | 55.680     |
| 8)                          | B Heptachlo...  | 4.997 | 5.782 | 487.9E6  | 157.1E6  | 51.744   | 55.266     |
| 9)                          | A Endosulfan I  | 5.327 | 6.135 | 441.9E6  | 133.0E6  | 51.089   | 51.724     |
| 10)                         | B gamma-Chl...  | 5.219 | 6.015 | 509.0E6  | 150.3E6  | 51.501   | 51.842     |
| 11)                         | B alpha-Chl...  | 5.275 | 6.088 | 483.5E6  | 147.9E6  | 51.074   | 51.616     |
| 12)                         | B 4,4'-DDE      | 5.444 | 6.244 | 489.2E6  | 136.3E6  | 51.018   | 50.962     |
| 13)                         | MA Dieldrin     | 5.567 | 6.389 | 490.5E6  | 142.5E6  | 51.037   | 52.368     |
| 14)                         | MA Endrin       | 5.821 | 6.603 | 438.1E6  | 126.4E6  | 50.422   | 52.944     |
| 15)                         | B Endosulfa...  | 6.096 | 6.806 | 412.2E6  | 119.7E6  | 51.976   | 49.867     |
| 16)                         | A 4,4'-DDD      | 5.956 | 6.726 | 393.6E6  | 110.9E6  | 53.650   | 51.828     |
| 17)                         | MA 4,4'-DDT     | 6.190 | 7.025 | 344.9E6  | 100.7E6  | 46.433   | 47.209     |
| 18)                         | B Endrin al...  | 6.264 | 6.929 | 315.2E6  | 99451570 | 49.493   | 50.965     |
| 19)                         | B Endosulfa...  | 6.475 | 7.151 | 371.5E6  | 111.1E6  | 49.186   | 50.986     |
| 20)                         | A Methoxychlor  | 6.739 | 7.480 | 181.7E6  | 54736264 | 47.235   | 48.071     |
| 21)                         | B Endrin ke...  | 6.958 | 7.616 | 396.9E6  | 120.4E6  | 50.591   | 50.508     |
| 23)                         | Chlordane-1     | 4.100 | 4.966 | 14185548 | 184.7E6  | 40.969   | 1593.538 # |
| 24)                         | Chlordane-2     | 0.000 | 5.403 | 0        | 167.2E6  | N.D.     | 1396.079 # |
| 25)                         | Chlordane-3     | 5.219 | 6.015 | 509.0E6  | 150.3E6  | 437.563  | 368.477    |
| 26)                         | Chlordane-4     | 5.275 | 6.088 | 483.5E6  | 147.9E6  | 459.827  | 301.119 #  |
| 27)                         | Chlordane-5     | 5.821 | 6.929 | 438.1E6  | 99451570 | 2735.785 | 1110.204 # |
| -----                       |                 |       |       |          |          |          |            |

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

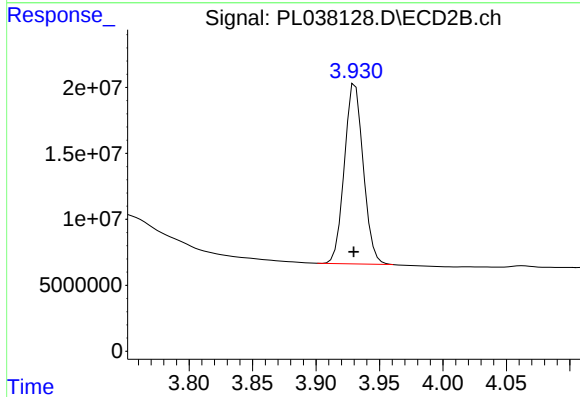




#1 Tetrachloro-m-xylene

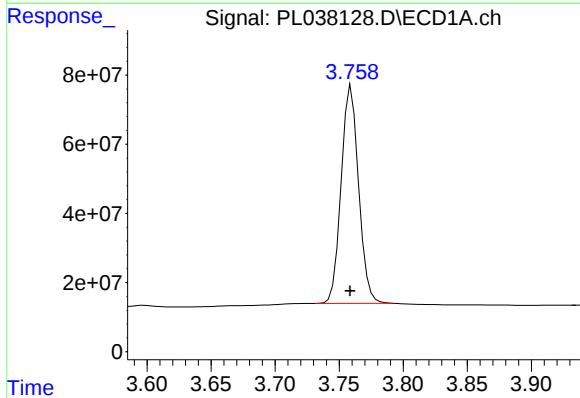
R.T.: 3.330 min  
Delta R.T.: 0.000 min  
Response: 371521195  
Conc: 49.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



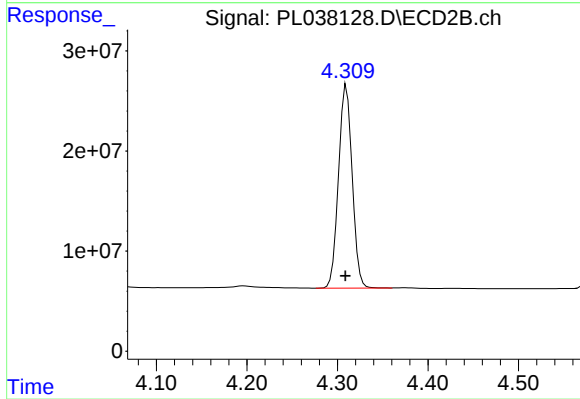
#1 Tetrachloro-m-xylene

R.T.: 3.931 min  
Delta R.T.: 0.001 min  
Response: 141202979  
Conc: 53.79 ng/ml



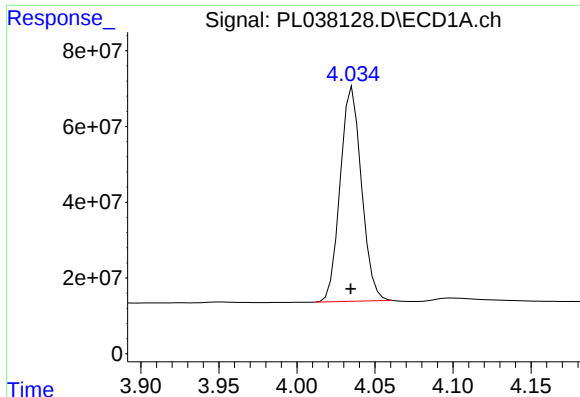
#2 alpha-BHC

R.T.: 3.759 min  
Delta R.T.: 0.001 min  
Response: 595424035  
Conc: 50.39 ng/ml



#2 alpha-BHC

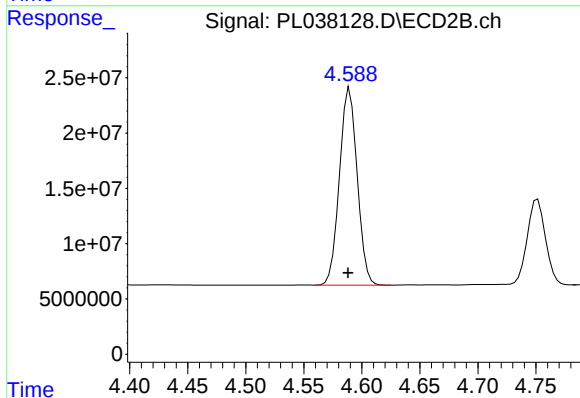
R.T.: 4.310 min  
Delta R.T.: 0.001 min  
Response: 212470138  
Conc: 54.90 ng/ml



#3 gamma-BHC (Lindane)

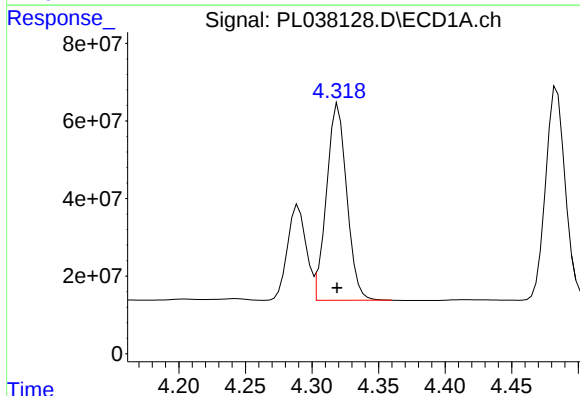
R.T.: 4.036 min  
Delta R.T.: 0.001 min  
Response: 538762246  
Conc: 51.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



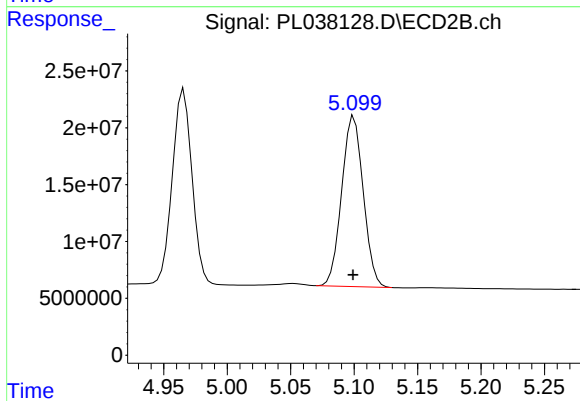
#3 gamma-BHC (Lindane)

R.T.: 4.590 min  
Delta R.T.: 0.001 min  
Response: 190045773  
Conc: 52.62 ng/ml



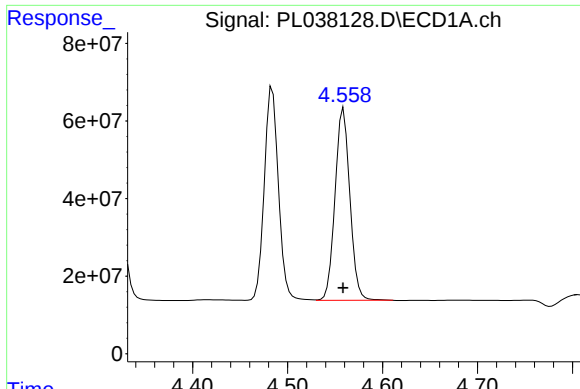
#4 Heptachlor

R.T.: 4.320 min  
Delta R.T.: 0.000 min  
Response: 535901494  
Conc: 50.38 ng/ml



#4 Heptachlor

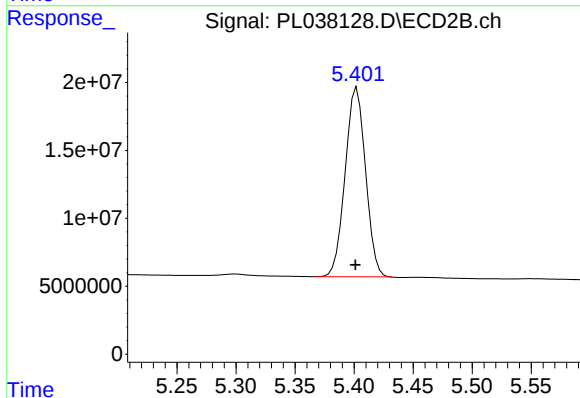
R.T.: 5.100 min  
Delta R.T.: 0.000 min  
Response: 177002407  
Conc: 55.38 ng/ml



#5 Aldrin

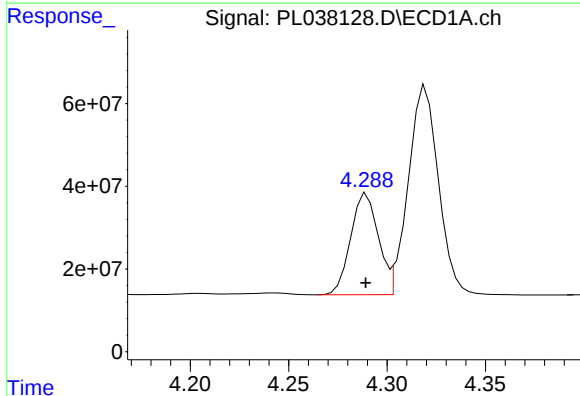
R.T.: 4.559 min  
Delta R.T.: 0.000 min  
Response: 537584051  
Conc: 51.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



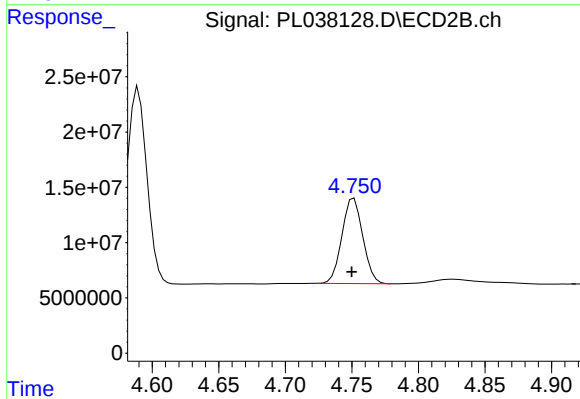
#5 Aldrin

R.T.: 5.403 min  
Delta R.T.: 0.001 min  
Response: 167180659  
Conc: 54.17 ng/ml



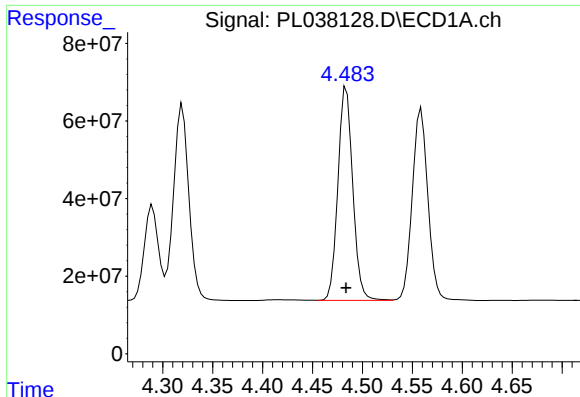
#6 beta-BHC

R.T.: 4.290 min  
Delta R.T.: 0.000 min  
Response: 239576795  
Conc: 50.75 ng/ml



#6 beta-BHC

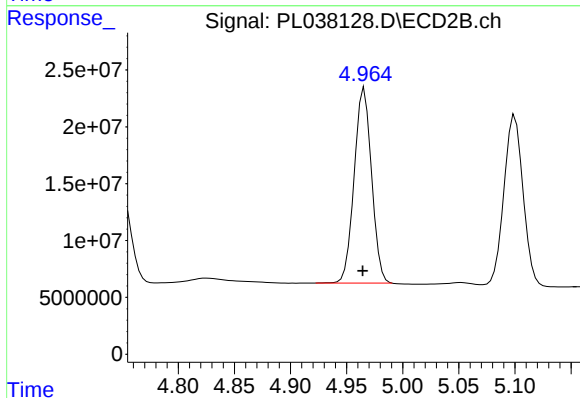
R.T.: 4.752 min  
Delta R.T.: 0.002 min  
Response: 84354440  
Conc: 55.61 ng/ml



#7 delta-BHC

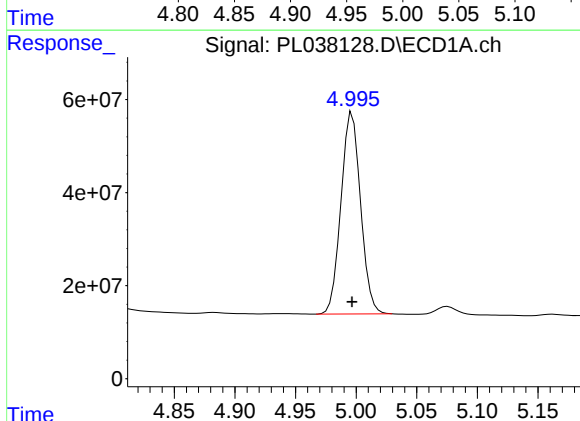
R.T.: 4.484 min  
Delta R.T.: 0.000 min  
Response: 568490474  
Conc: 52.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



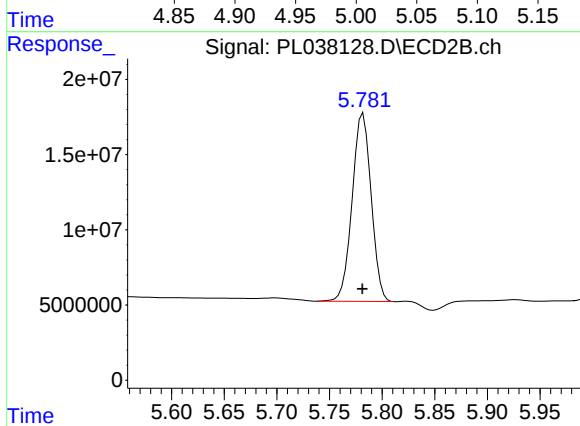
#7 delta-BHC

R.T.: 4.966 min  
Delta R.T.: 0.002 min  
Response: 184667092  
Conc: 55.68 ng/ml



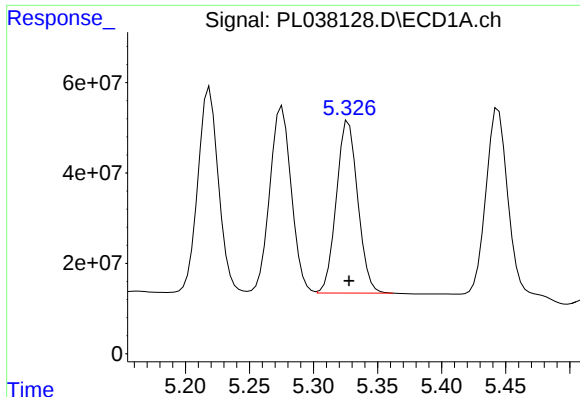
#8 Heptachlor epoxide

R.T.: 4.997 min  
Delta R.T.: 0.000 min  
Response: 487867773  
Conc: 51.74 ng/ml



#8 Heptachlor epoxide

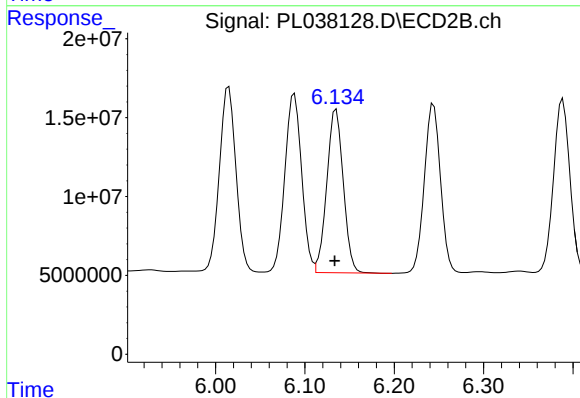
R.T.: 5.782 min  
Delta R.T.: 0.000 min  
Response: 157059255  
Conc: 55.27 ng/ml



#9 Endosulfan I

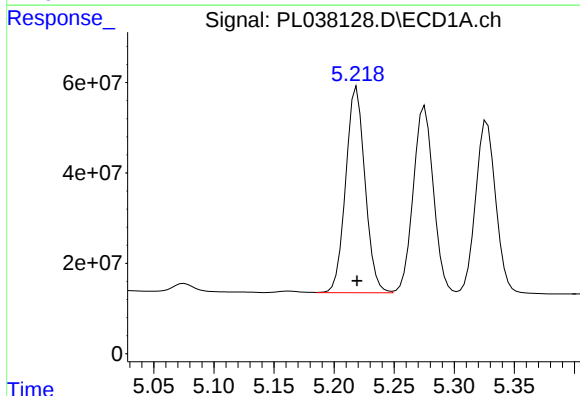
R.T.: 5.327 min  
Delta R.T.: 0.000 min  
Response: 441900119  
Conc: 51.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



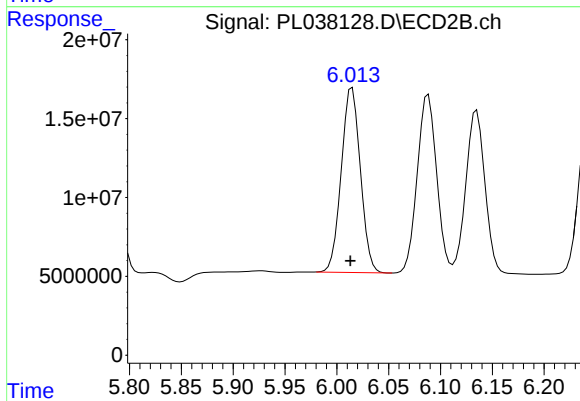
#9 Endosulfan I

R.T.: 6.135 min  
Delta R.T.: 0.002 min  
Response: 133021653  
Conc: 51.72 ng/ml



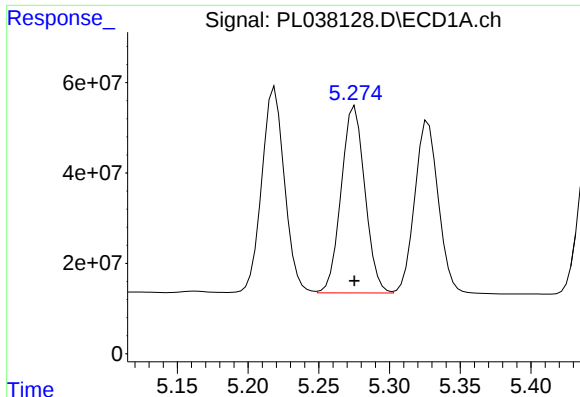
#10 gamma-Chlordane

R.T.: 5.219 min  
Delta R.T.: 0.000 min  
Response: 509030299  
Conc: 51.50 ng/ml



#10 gamma-Chlordane

R.T.: 6.015 min  
Delta R.T.: 0.002 min  
Response: 150301910  
Conc: 51.84 ng/ml



#11 alpha-Chlordane

R.T.: 5.275 min  
Delta R.T.: 0.000 min  
Response: 483453445  
Conc: 51.07 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :

#11 alpha-Chlordane

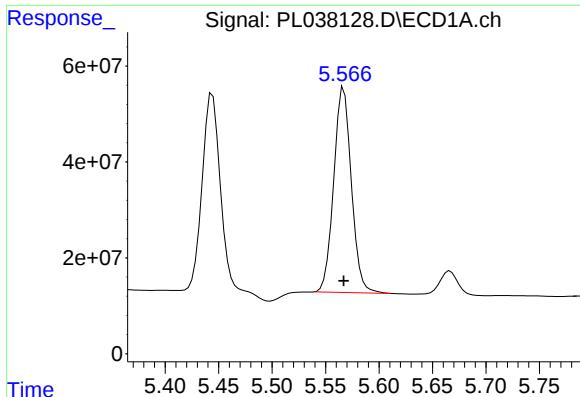
R.T.: 6.088 min  
Delta R.T.: 0.002 min  
Response: 147944099  
Conc: 51.62 ng/ml

#12 4,4'-DDE

R.T.: 5.444 min  
Delta R.T.: 0.000 min  
Response: 489157010  
Conc: 51.02 ng/ml

#12 4,4'-DDE

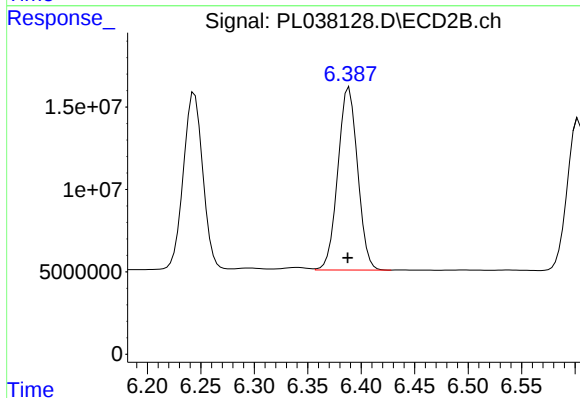
R.T.: 6.244 min  
Delta R.T.: 0.002 min  
Response: 136275806  
Conc: 50.96 ng/ml



#13 Dieldrin

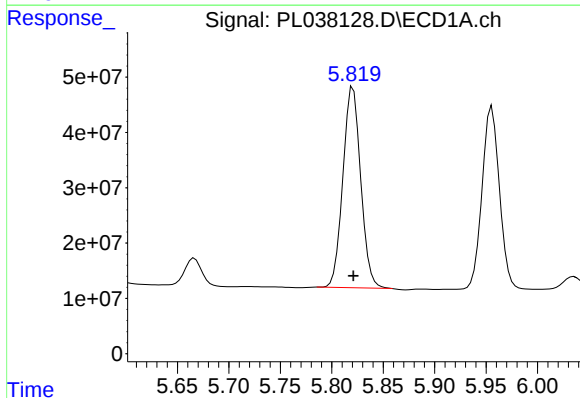
R.T.: 5.567 min  
Delta R.T.: 0.000 min  
Response: 490476138  
Conc: 51.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



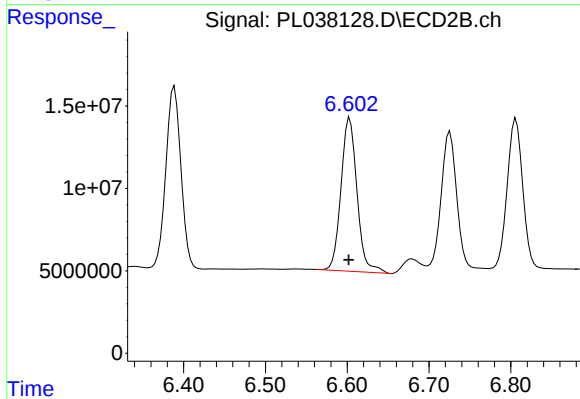
#13 Dieldrin

R.T.: 6.389 min  
Delta R.T.: 0.001 min  
Response: 142535006  
Conc: 52.37 ng/ml



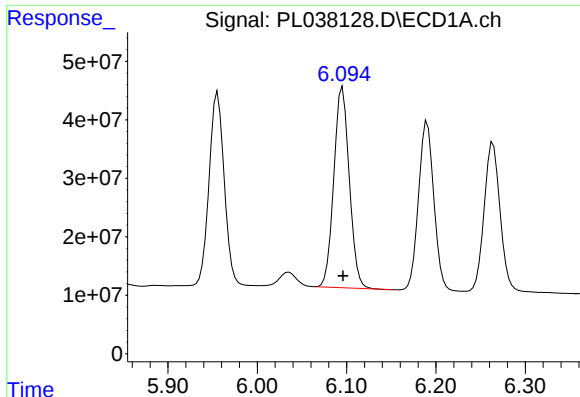
#14 Endrin

R.T.: 5.821 min  
Delta R.T.: 0.000 min  
Response: 438089944  
Conc: 50.42 ng/ml



#14 Endrin

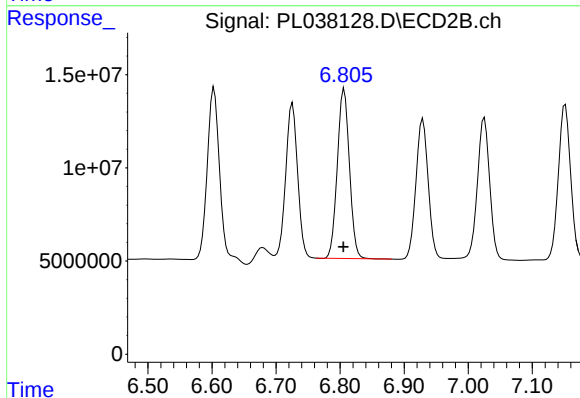
R.T.: 6.603 min  
Delta R.T.: 0.001 min  
Response: 126438224  
Conc: 52.94 ng/ml



#15 Endosulfan II

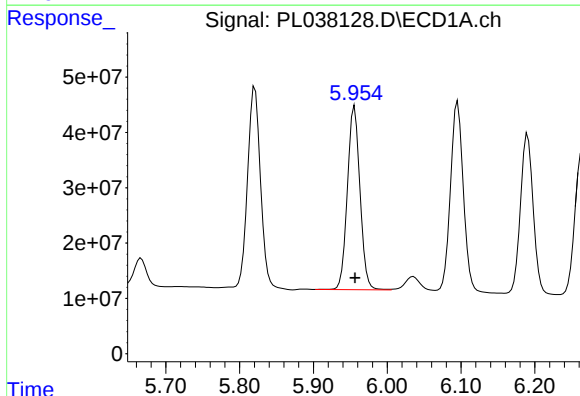
R.T.: 6.096 min  
Delta R.T.: 0.000 min  
Response: 412175418  
Conc: 51.98 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



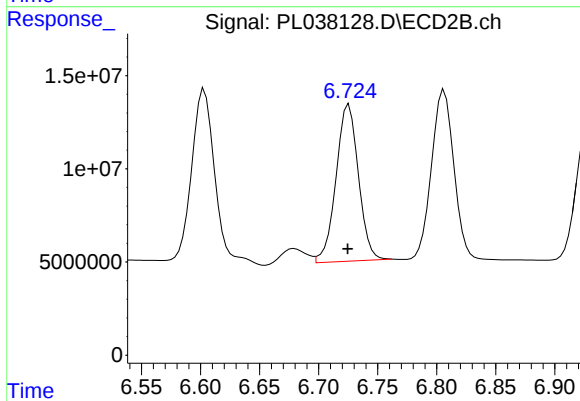
#15 Endosulfan II

R.T.: 6.806 min  
Delta R.T.: 0.001 min  
Response: 119749782  
Conc: 49.87 ng/ml



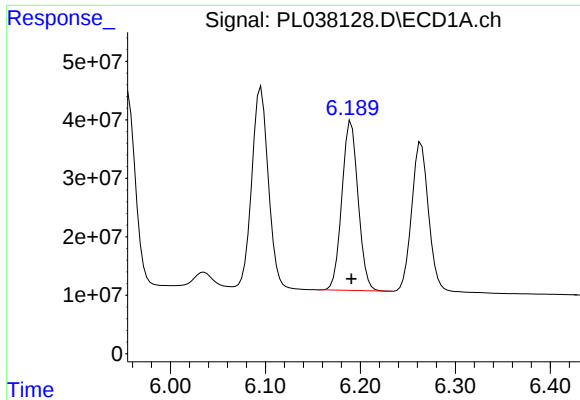
#16 4,4'-DDD

R.T.: 5.956 min  
Delta R.T.: 0.000 min  
Response: 393556929  
Conc: 53.65 ng/ml



#16 4,4'-DDD

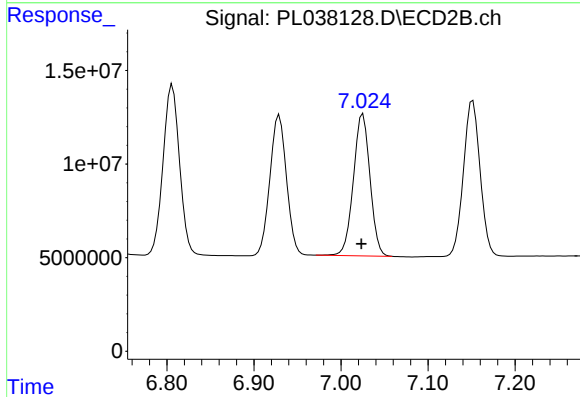
R.T.: 6.726 min  
Delta R.T.: 0.001 min  
Response: 110934261  
Conc: 51.83 ng/ml



#17 4,4'-DDT

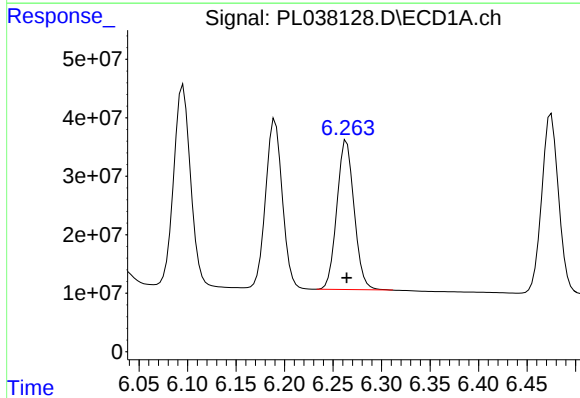
R.T.: 6.190 min  
Delta R.T.: 0.000 min  
Response: 344933702  
Conc: 46.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



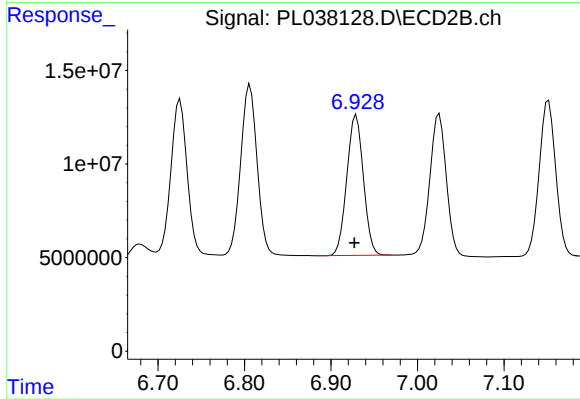
#17 4,4'-DDT

R.T.: 7.025 min  
Delta R.T.: 0.002 min  
Response: 100652162  
Conc: 47.21 ng/ml



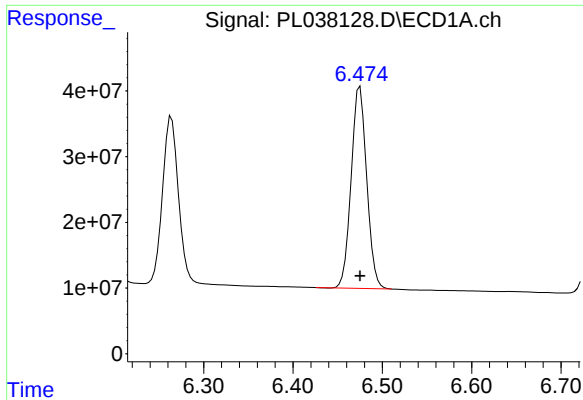
#18 Endrin aldehyde

R.T.: 6.264 min  
Delta R.T.: 0.000 min  
Response: 315150067  
Conc: 49.49 ng/ml



#18 Endrin aldehyde

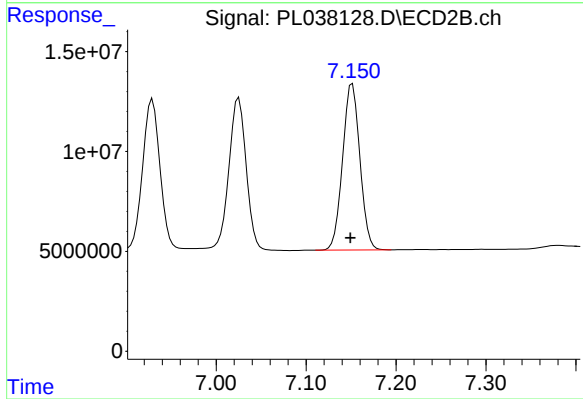
R.T.: 6.929 min  
Delta R.T.: 0.002 min  
Response: 99451570  
Conc: 50.96 ng/ml



#19 Endosulfan Sulfate

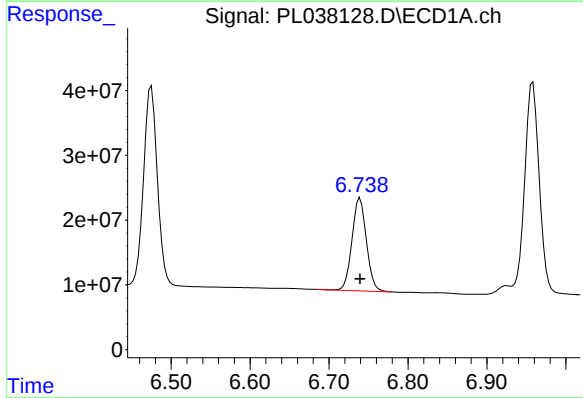
R.T.: 6.475 min  
Delta R.T.: 0.000 min  
Response: 371518256  
Conc: 49.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



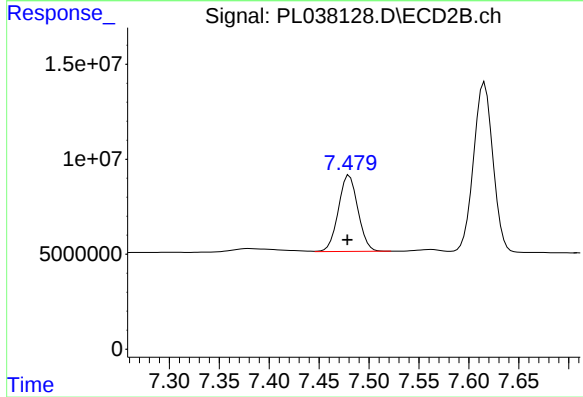
#19 Endosulfan Sulfate

R.T.: 7.151 min  
Delta R.T.: 0.002 min  
Response: 111137726  
Conc: 50.99 ng/ml



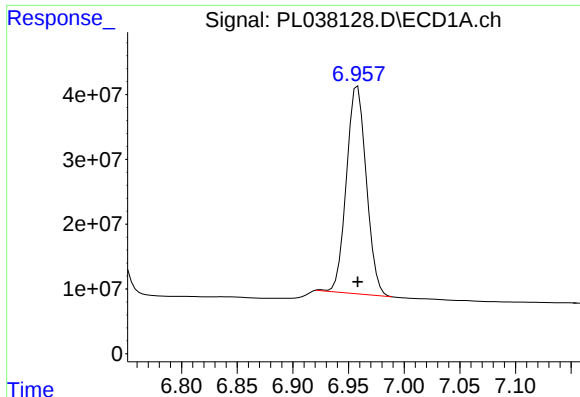
#20 Methoxychlor

R.T.: 6.739 min  
Delta R.T.: 0.000 min  
Response: 181734014  
Conc: 47.23 ng/ml



#20 Methoxychlor

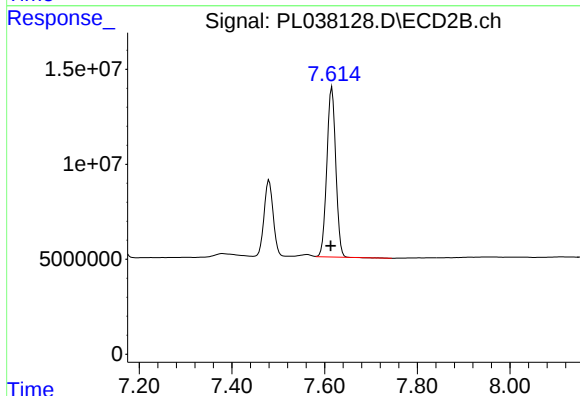
R.T.: 7.480 min  
Delta R.T.: 0.002 min  
Response: 54736264  
Conc: 48.07 ng/ml



#21 Endrin ketone

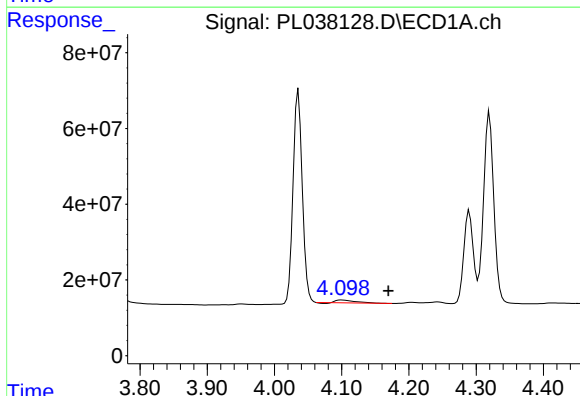
R.T.: 6.958 min  
Delta R.T.: 0.000 min  
Response: 396932960  
Conc: 50.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



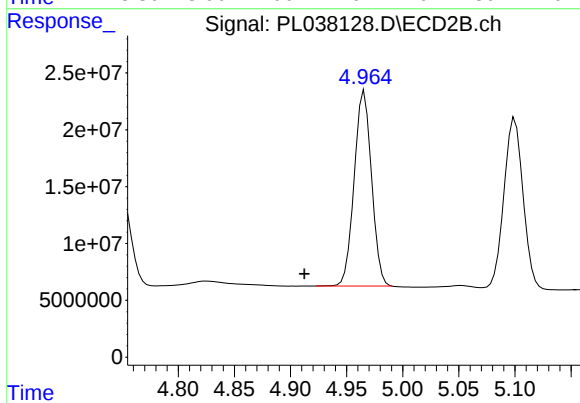
#21 Endrin ketone

R.T.: 7.616 min  
Delta R.T.: 0.002 min  
Response: 120387919  
Conc: 50.51 ng/ml



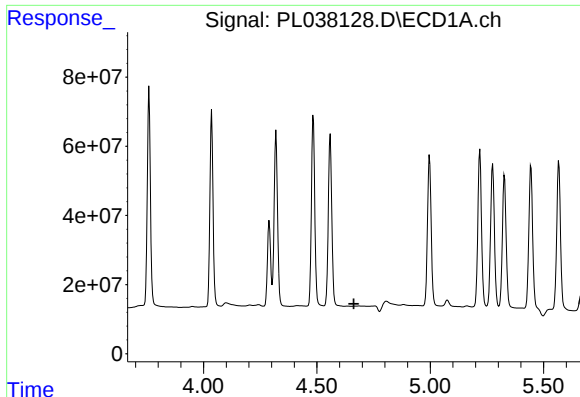
#23 Chlordane-1

R.T.: 4.100 min  
Delta R.T.: -0.070 min  
Response: 14185548  
Conc: 40.97 ng/ml



#23 Chlordane-1

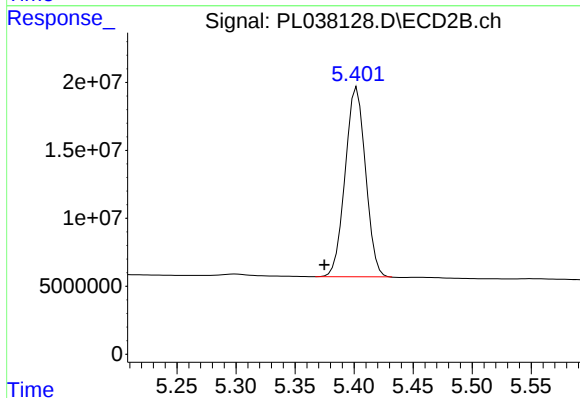
R.T.: 4.966 min  
Delta R.T.: 0.054 min  
Response: 184667092  
Conc: 1593.54 ng/ml



#24 Chlordane-2

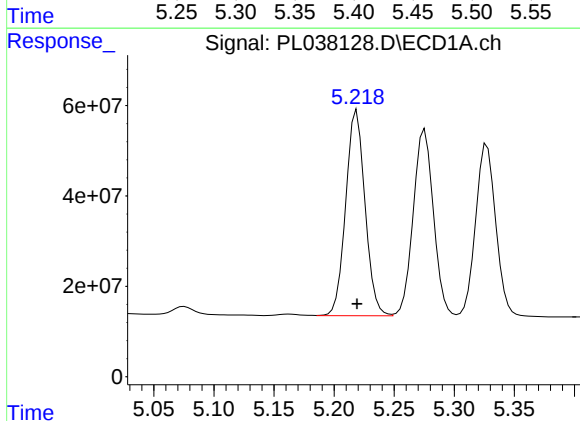
R.T.: 0.000 min  
Exp R.T.: 4.663 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :



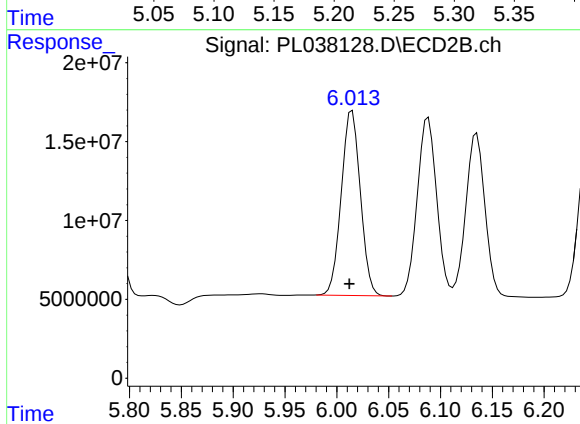
#24 Chlordane-2

R.T.: 5.403 min  
Delta R.T.: 0.028 min  
Response: 167180659  
Conc: 1396.08 ng/ml



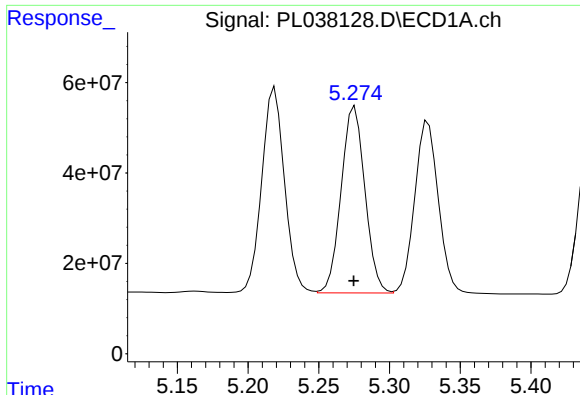
#25 Chlordane-3

R.T.: 5.219 min  
Delta R.T.: 0.000 min  
Response: 509030299  
Conc: 437.56 ng/ml



#25 Chlordane-3

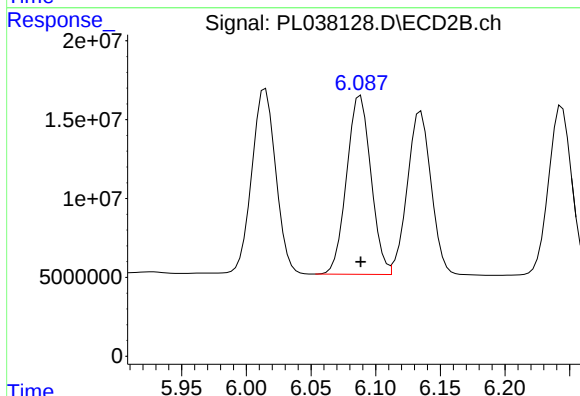
R.T.: 6.015 min  
Delta R.T.: 0.003 min  
Response: 150301910  
Conc: 368.48 ng/ml



#26 Chlordane-4

R.T.: 5.275 min  
Delta R.T.: 0.000 min  
Response: 483453445  
Conc: 459.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



#26 Chlordane-4

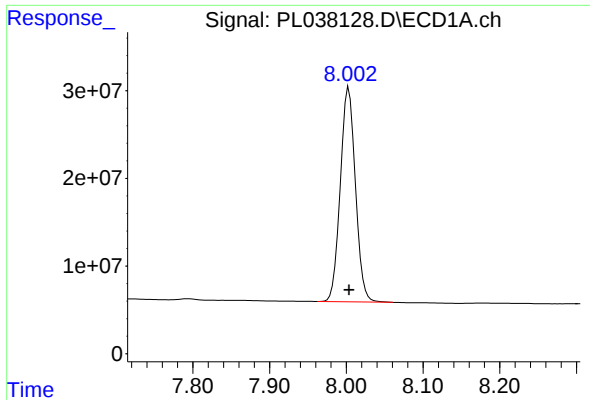
R.T.: 6.088 min  
Delta R.T.: 0.000 min  
Response: 147944099  
Conc: 301.12 ng/ml

#27 Chlordane-5

R.T.: 5.821 min  
Delta R.T.: -0.062 min  
Response: 438089944  
Conc: 2735.78 ng/ml

#27 Chlordane-5

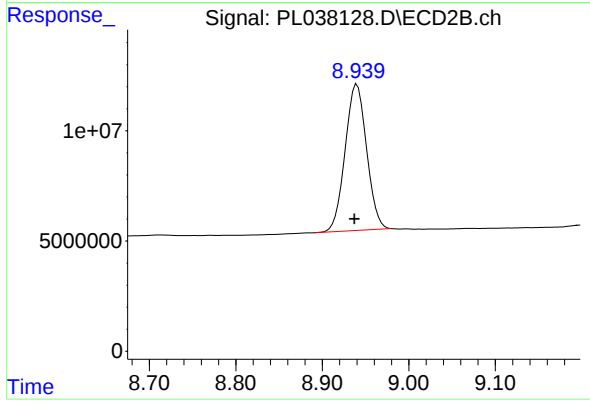
R.T.: 6.929 min  
Delta R.T.: 0.048 min  
Response: 99451570  
Conc: 1110.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.003 min  
Delta R.T.: 0.000 min  
Response: 335026717  
Conc: 44.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :



#28 Decachlorobiphenyl

R.T.: 8.940 min  
Delta R.T.: 0.003 min  
Response: 114373590  
Conc: 46.79 ng/ml