

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD111221\  
 Data File : PD066912.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 Nov 2021 15:04  
 Operator : AR\AJ  
 Sample : M4419-08MSD  
 Misc :  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 13 01:09:19 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102721CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Oct 27 16:50:52 2021  
 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 x 0.50µm

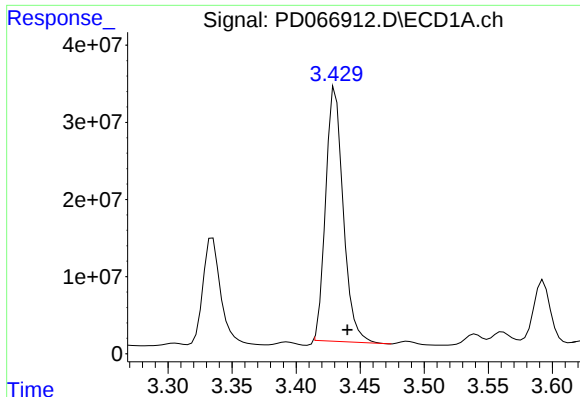
|                             | Compound        | RT#1  | RT#2  | Resp#1    | Resp#2    | ng/ml    | ng/ml       |
|-----------------------------|-----------------|-------|-------|-----------|-----------|----------|-------------|
| -----                       |                 |       |       |           |           |          |             |
| System Monitoring Compounds |                 |       |       |           |           |          |             |
| 1)                          | SA Tetrachlo... | 3.431 | 3.970 | 313.8E6   | 114.7E6   | 162.330  | 13.244 #    |
| 27)                         | SA Decachlor... | 8.164 | 9.027 | 27860952  | 138.2E6   | 23.779   | 26.495      |
| Target Compounds            |                 |       |       |           |           |          |             |
| 2)                          | A alpha-BHC     | 3.875 | 4.363 | 4423.0E6  | 10148.3E6 | 1511.067 | 928.133 #   |
| 3)                          | MA gamma-BHC... | 4.156 | 4.647 | 787.5E6   | 2322.5E6  | 284.437  | 229.823     |
| 4)                          | MA Heptachlor   | 4.450 | 5.128 | 57168864  | 1216.7E6  | 20.096   | 124.135 #   |
| 5)                          | MB Aldrin       | 4.695 | 5.451 | 610.8E6   | 387.3E6   | 212.124  | 41.103 #    |
| 6)                          | B beta-BHC      | 4.405 | 4.824 | 302.6E6   | 1039.9E6  | 240.875  | 211.047     |
| 7)                          | B delta-BHC     | 4.608 | 5.041 | 11637.3E6 | 22733.7E6 | 4390.490 | 2297.942 #  |
| 8)                          | B Heptachlo...  | 5.136 | 5.839 | 122.3E6   | 355.0E6   | 48.111   | 47.218      |
| 9)                          | A Endosulfan I  | 5.472 | 6.197 | 115.0E6   | 341.1E6   | 50.167   | 43.589      |
| 10)                         | B trans-Chl...  | 5.361 | 6.073 | 266.7E6   | 673.5E6   | 103.198  | 78.207      |
| 11)                         | B cis-Chlor...  | 5.418 | 6.145 | 215.0E6   | 672.5E6   | 84.390   | 78.367      |
| 12)                         | B 4,4'-DDE      | 5.582 | 6.304 | 288.3E6   | 885.3E6   | 126.247  | 116.256     |
| 13)                         | MA Dieldrin     | 5.715 | 6.455 | 38532494  | 546.8E6   | 15.441   | 68.545 #    |
| 14)                         | MA Endrin       | 5.971 | 6.674 | 625.8E6   | 518.9E6   | 295.767  | 76.459 #    |
| 15)                         | B Endosulfa...  | 6.244 | 6.887 | 193.9E6   | 569.6E6   | 93.397   | 79.427      |
| 16)                         | A 4,4'-DDD      | 6.097 | 6.799 | 889.1E6   | 2466.3E6  | 491.207  | 382.028     |
| 17)                         | MA 4,4'-DDT     | 6.337 | 7.097 | 2121.4E6  | 5745.5E6  | 1121.982 | 869.722     |
| 18)                         | B Endrin al...  | 6.413 | 7.013 | 77862873  | 281.1E6   | 53.444   | 52.836      |
| 19)                         | B Endosulfa...  | 6.625 | 7.235 | 124.1E6   | 445.3E6   | 68.060   | 64.611      |
| 20)                         | A Methoxychlor  | 6.883 | 7.560 | 448.2E6   | 1352.2E6  | 478.225  | 418.424     |
| 21)                         | B Endrin ke...  | 7.117 | 7.709 | 174.4E6   | 602.9E6   | 84.637   | 76.913      |
| 22)                         | Toxaphene-1     | 5.673 | 6.355 | 15967905  | 72285939  | 1015.247 | 1788.272 #  |
| 23)                         | Toxaphene-2     | 6.156 | 6.542 | 9853131   | 9794002   | 612.833  | 148.285 #   |
| 24)                         | Toxaphene-3     | 6.244 | 7.097 | 193.9E6   | 5745.5E6  | 5213.615 | 50491.895 # |
| 25)                         | Toxaphene-4     | 6.517 | 7.235 | 2173649   | 445.3E6   | 56.124   | 3939.136 #  |
| 26)                         | Toxaphene-5     | 7.006 | 7.636 | 4062990   | 16199553  | 104.162  | 190.234 #   |
| -----                       |                 |       |       |           |           |          |             |

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

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Nov 13 01:09:19 2021  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD102721CLP.M  
Quant Title : GC Extractables  
QLast Update : Wed Oct 27 16:50:52 2021  
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 x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

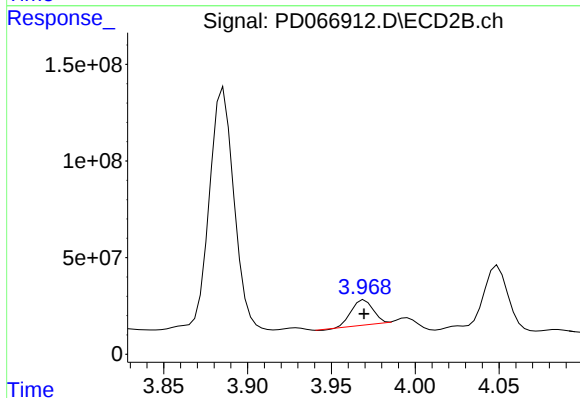




#1 Tetrachloro-m-xylene

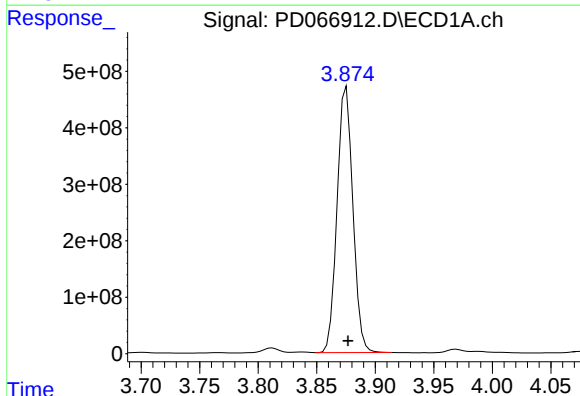
R.T.: 3.431 min  
Delta R.T.: -0.009 min  
Response: 313796146  
Conc: 162.33 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



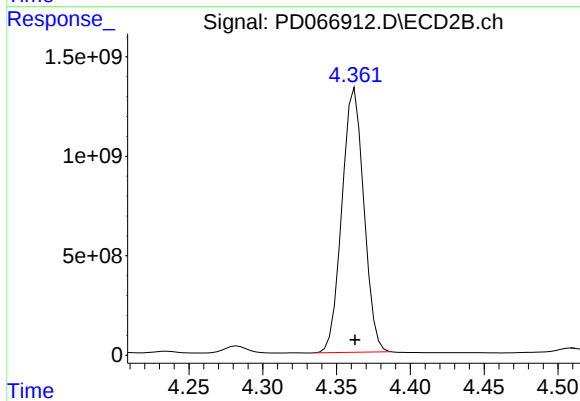
#1 Tetrachloro-m-xylene

R.T.: 3.970 min  
Delta R.T.: 0.000 min  
Response: 114700122  
Conc: 13.24 ng/ml



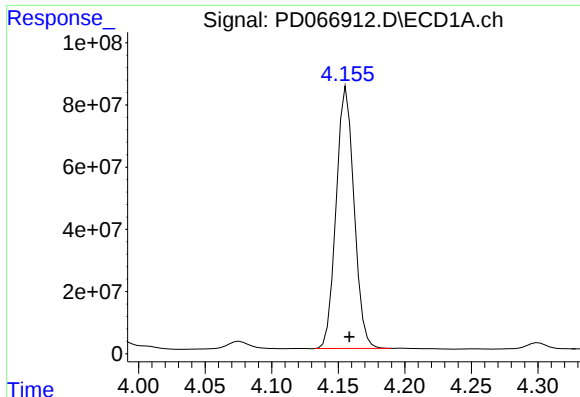
#2 alpha-BHC

R.T.: 3.875 min  
Delta R.T.: -0.001 min  
Response: 4422970549  
Conc: 1511.07 ng/ml



#2 alpha-BHC

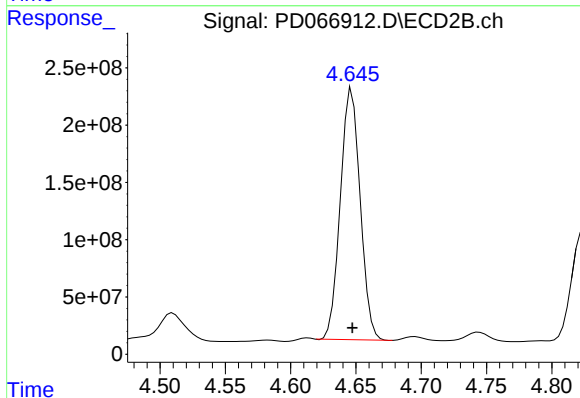
R.T.: 4.363 min  
Delta R.T.: 0.000 min  
Response: 10148332035  
Conc: 928.13 ng/ml



#3 gamma-BHC (Lindane)

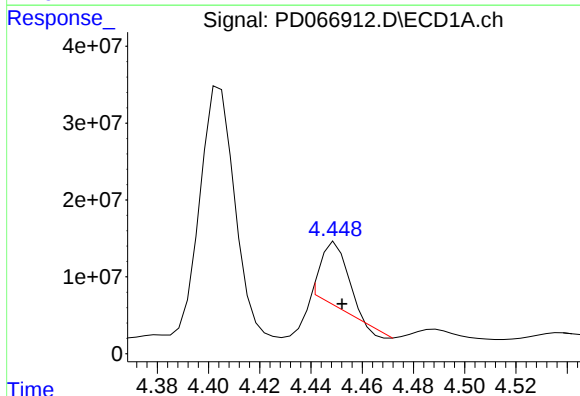
R.T.: 4.156 min  
Delta R.T.: -0.002 min  
Response: 787497935  
Conc: 284.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



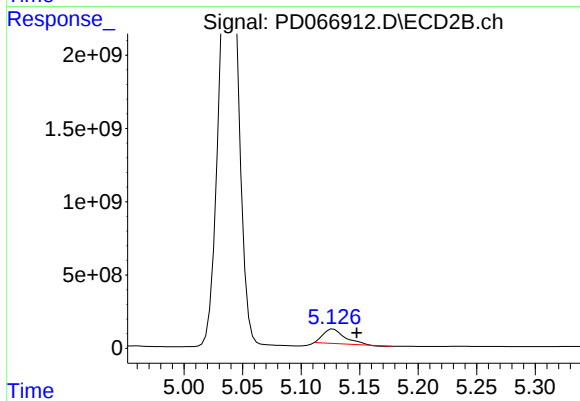
#3 gamma-BHC (Lindane)

R.T.: 4.647 min  
Delta R.T.: 0.000 min  
Response: 2322496017  
Conc: 229.82 ng/ml



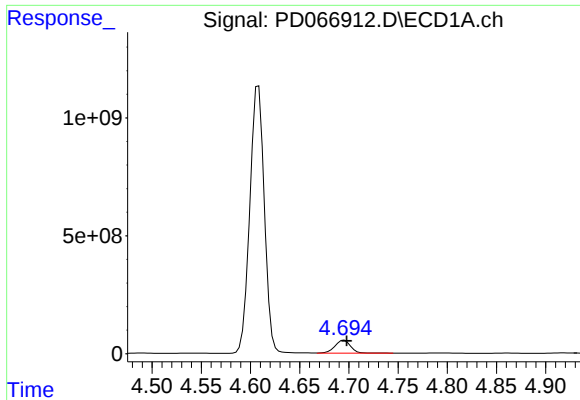
#4 Heptachlor

R.T.: 4.450 min  
Delta R.T.: -0.002 min  
Response: 57168864  
Conc: 20.10 ng/ml



#4 Heptachlor

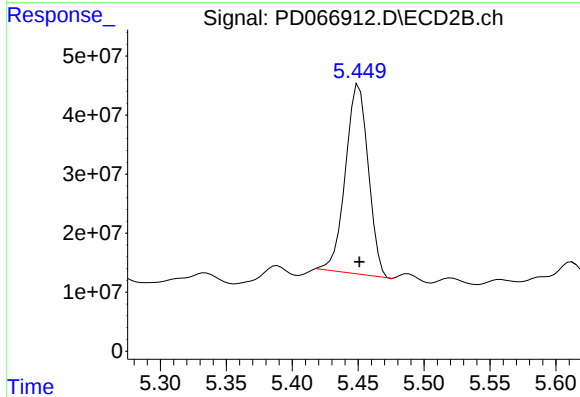
R.T.: 5.128 min  
Delta R.T.: -0.020 min  
Response: 1216722624  
Conc: 124.13 ng/ml



#5 Aldrin

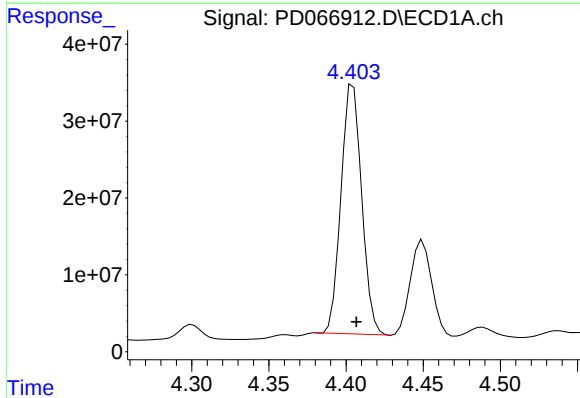
R.T.: 4.695 min  
Delta R.T.: -0.003 min  
Response: 610761533  
Conc: 212.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



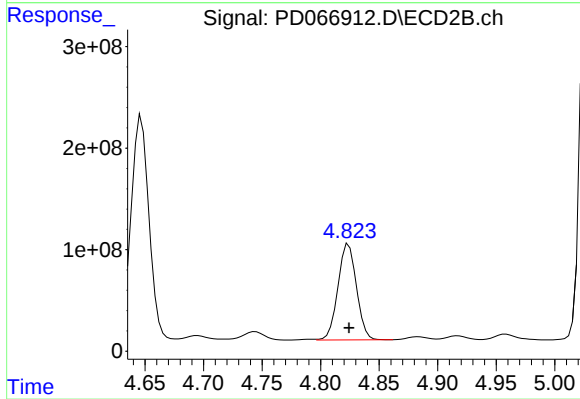
#5 Aldrin

R.T.: 5.451 min  
Delta R.T.: 0.000 min  
Response: 387286165  
Conc: 41.10 ng/ml



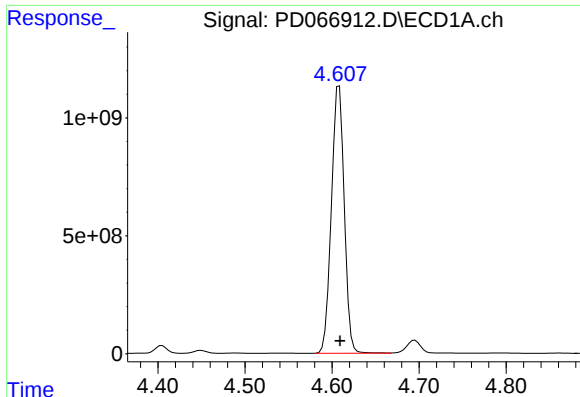
#6 beta-BHC

R.T.: 4.405 min  
Delta R.T.: -0.002 min  
Response: 302550198  
Conc: 240.87 ng/ml



#6 beta-BHC

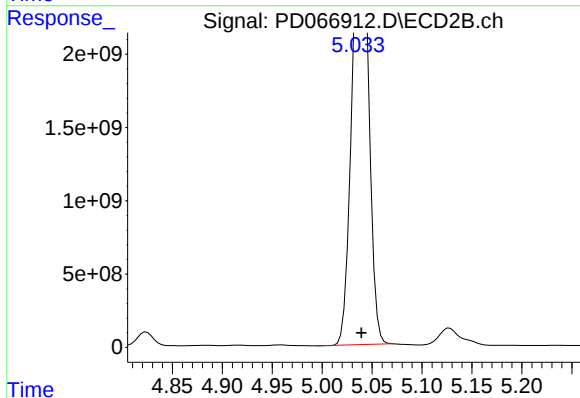
R.T.: 4.824 min  
Delta R.T.: 0.000 min  
Response: 1039881587  
Conc: 211.05 ng/ml



#7 delta-BHC

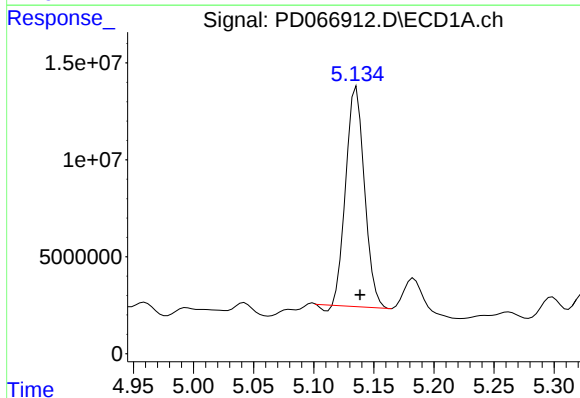
R.T.: 4.608 min  
Delta R.T.: -0.001 min  
Response: 11637348031  
Conc: 4390.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



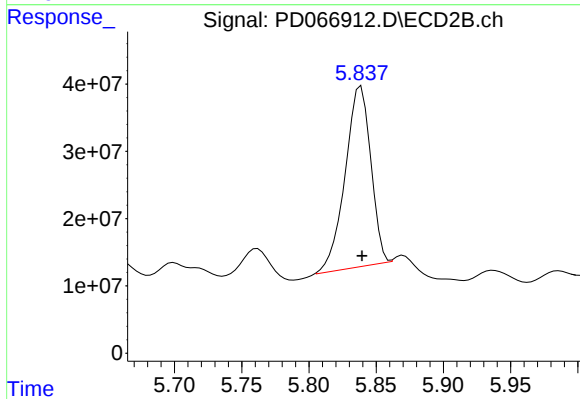
#7 delta-BHC

R.T.: 5.041 min  
Delta R.T.: 0.002 min  
Response: 22733707027  
Conc: 2297.94 ng/ml



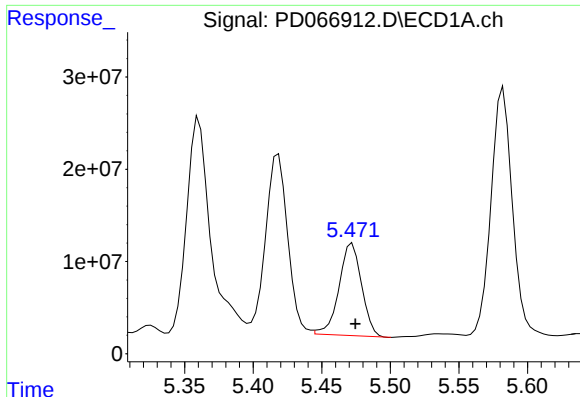
#8 Heptachlor epoxide

R.T.: 5.136 min  
Delta R.T.: -0.003 min  
Response: 122291305  
Conc: 48.11 ng/ml



#8 Heptachlor epoxide

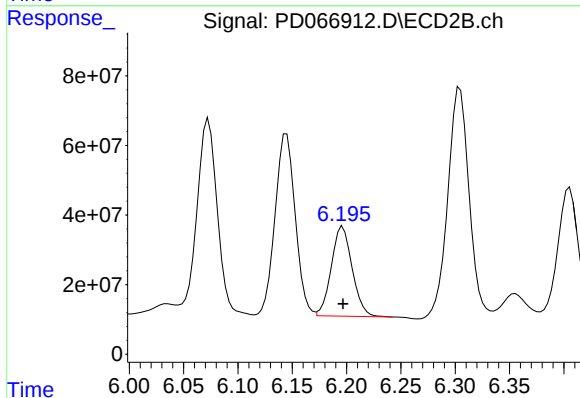
R.T.: 5.839 min  
Delta R.T.: 0.000 min  
Response: 354980569  
Conc: 47.22 ng/ml



#9 Endosulfan I

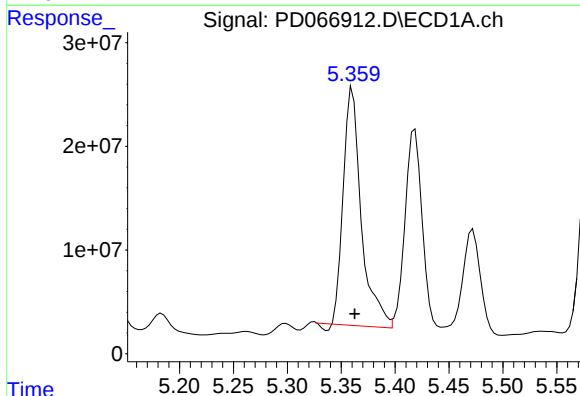
R.T.: 5.472 min  
Delta R.T.: -0.002 min  
Response: 114993664  
Conc: 50.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



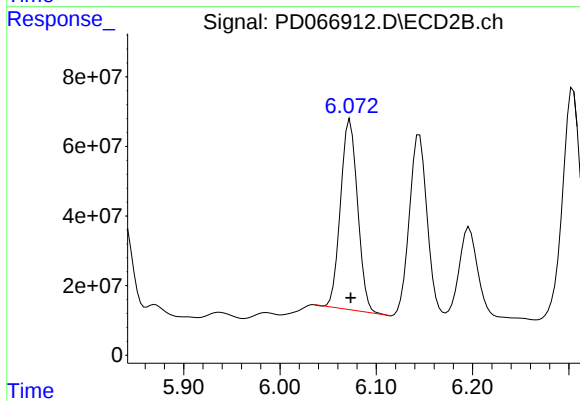
#9 Endosulfan I

R.T.: 6.197 min  
Delta R.T.: 0.000 min  
Response: 341062633  
Conc: 43.59 ng/ml



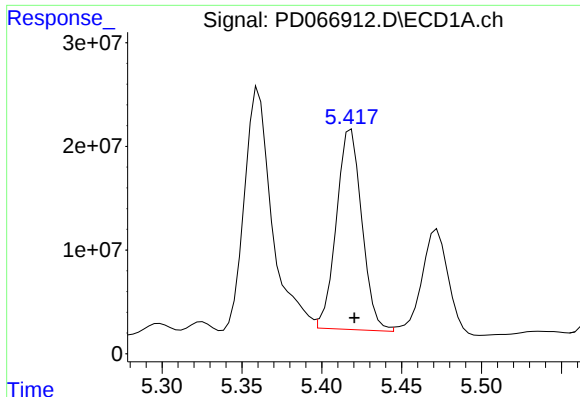
#10 trans-Chlordane

R.T.: 5.361 min  
Delta R.T.: -0.002 min  
Response: 266736329  
Conc: 103.20 ng/ml



#10 trans-Chlordane

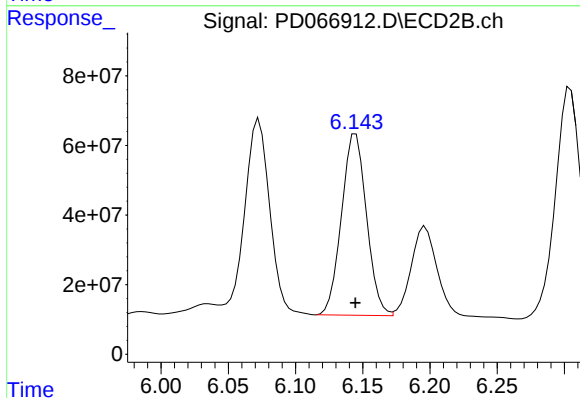
R.T.: 6.073 min  
Delta R.T.: 0.000 min  
Response: 673468004  
Conc: 78.21 ng/ml



#11 cis-Chlordane

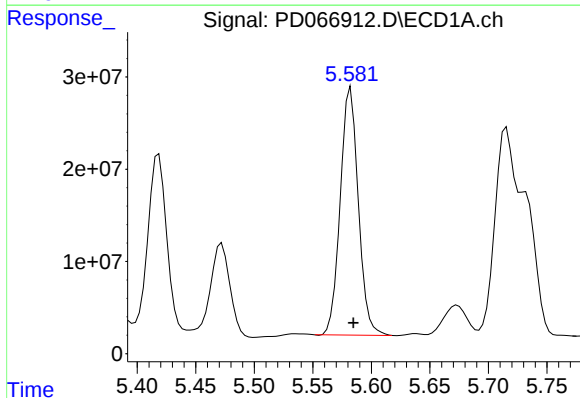
R.T.: 5.418 min  
Delta R.T.: -0.002 min  
Response: 214991964  
Conc: 84.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



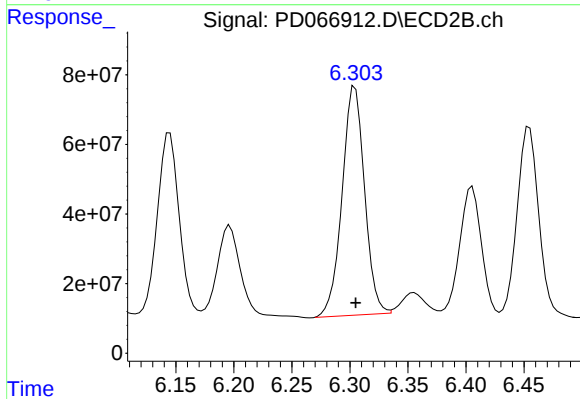
#11 cis-Chlordane

R.T.: 6.145 min  
Delta R.T.: 0.000 min  
Response: 672482670  
Conc: 78.37 ng/ml



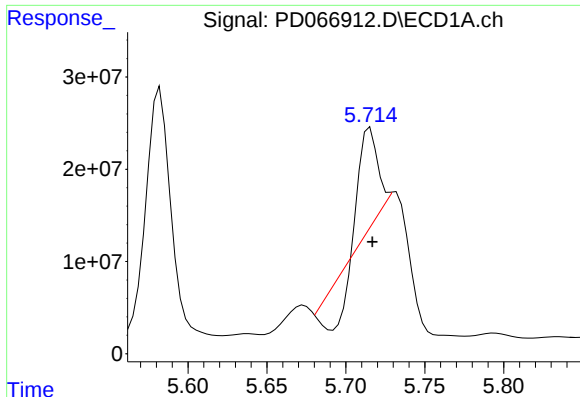
#12 4,4'-DDE

R.T.: 5.582 min  
Delta R.T.: -0.002 min  
Response: 288347121  
Conc: 126.25 ng/ml



#12 4,4'-DDE

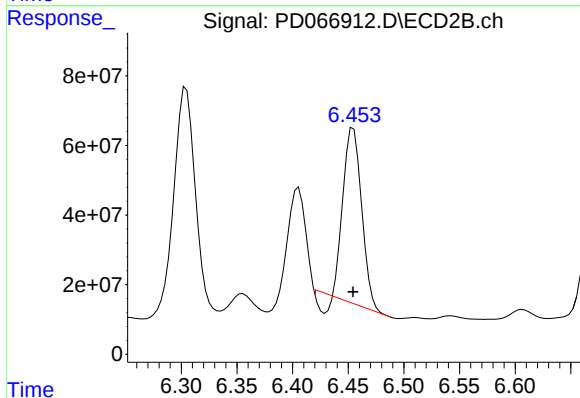
R.T.: 6.304 min  
Delta R.T.: 0.000 min  
Response: 885273461  
Conc: 116.26 ng/ml



#13 Dieldrin

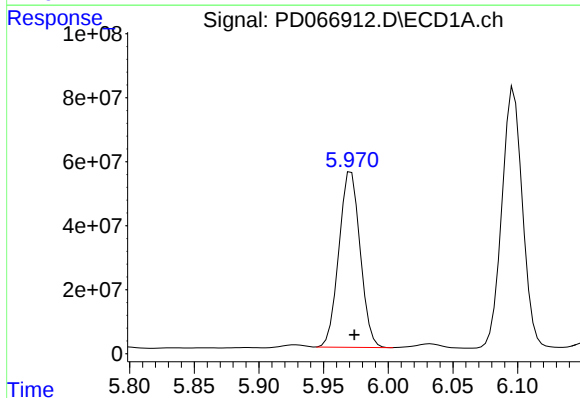
R.T.: 5.715 min  
Delta R.T.: -0.001 min  
Response: 38532494  
Conc: 15.44 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



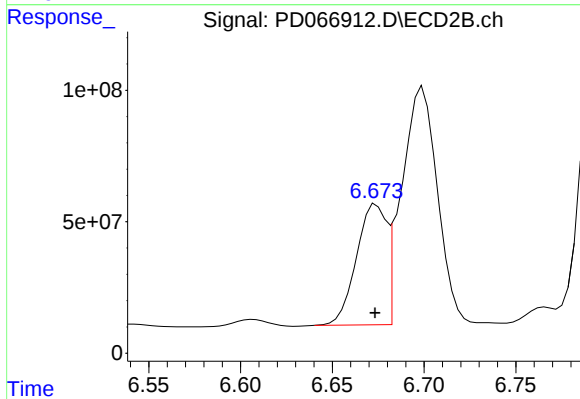
#13 Dieldrin

R.T.: 6.455 min  
Delta R.T.: 0.000 min  
Response: 546832692  
Conc: 68.54 ng/ml



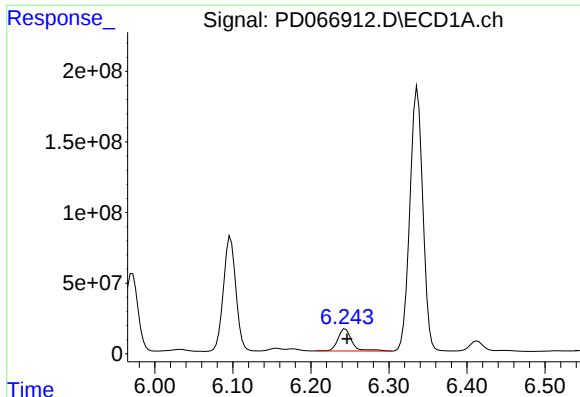
#14 Endrin

R.T.: 5.971 min  
Delta R.T.: -0.003 min  
Response: 625759887  
Conc: 295.77 ng/ml



#14 Endrin

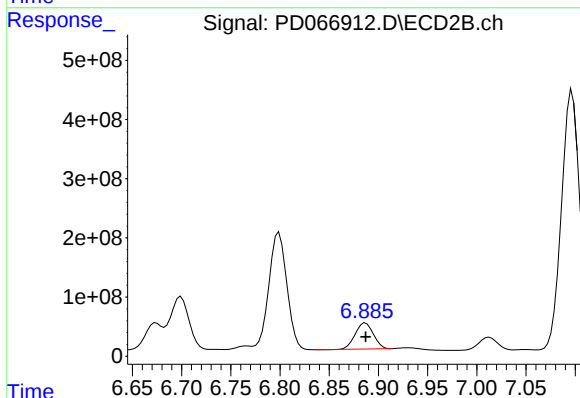
R.T.: 6.674 min  
Delta R.T.: 0.000 min  
Response: 518882908  
Conc: 76.46 ng/ml



#15 Endosulfan II

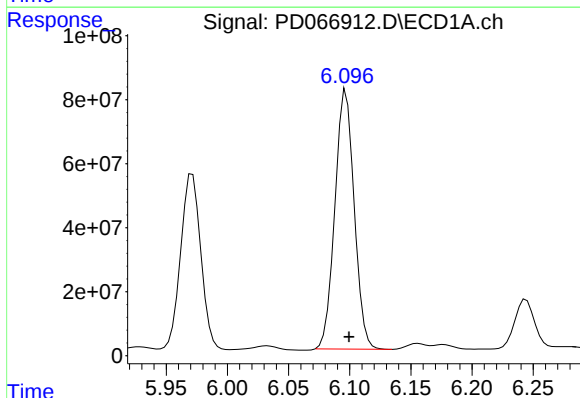
R.T.: 6.244 min  
Delta R.T.: -0.002 min  
Response: 193931928  
Conc: 93.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



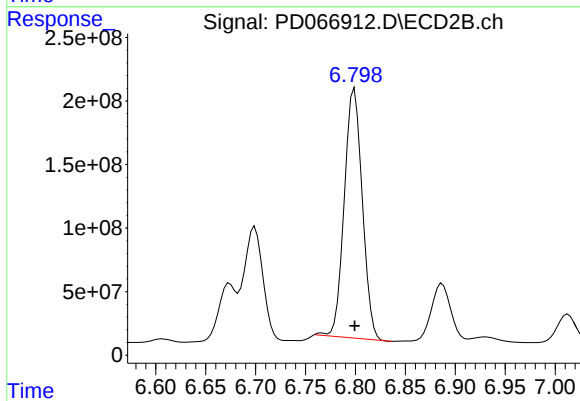
#15 Endosulfan II

R.T.: 6.887 min  
Delta R.T.: 0.000 min  
Response: 569577045  
Conc: 79.43 ng/ml



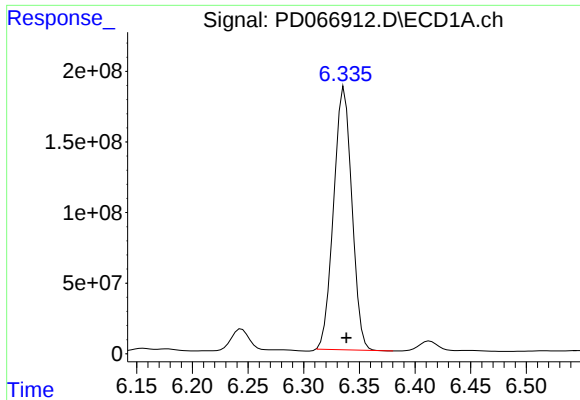
#16 4,4'-DDD

R.T.: 6.097 min  
Delta R.T.: -0.002 min  
Response: 889130959  
Conc: 491.21 ng/ml



#16 4,4'-DDD

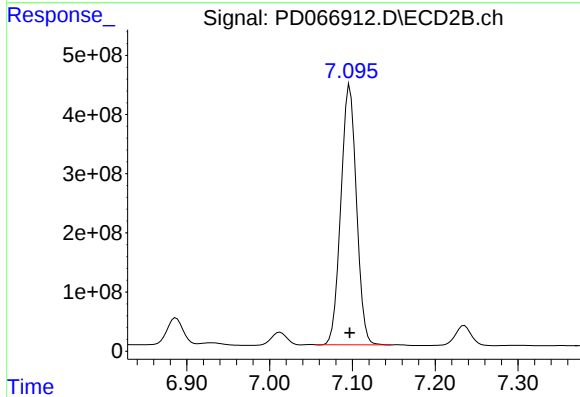
R.T.: 6.799 min  
Delta R.T.: 0.000 min  
Response: 2466344886  
Conc: 382.03 ng/ml



#17 4,4'-DDT

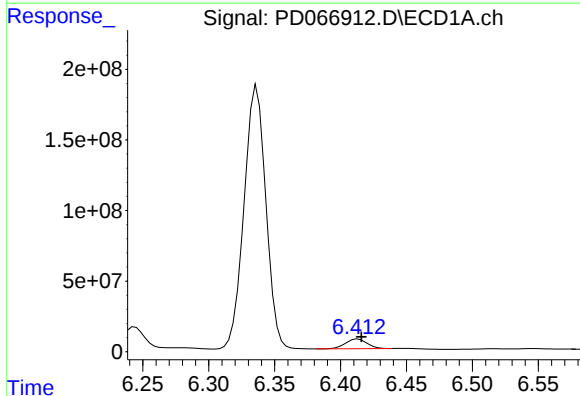
R.T.: 6.337 min  
Delta R.T.: -0.002 min  
Response: 2121387853  
Conc: 1121.98 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



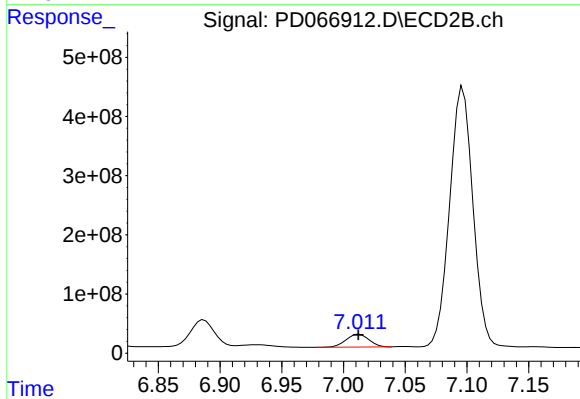
#17 4,4'-DDT

R.T.: 7.097 min  
Delta R.T.: 0.000 min  
Response: 5745498052  
Conc: 869.72 ng/ml



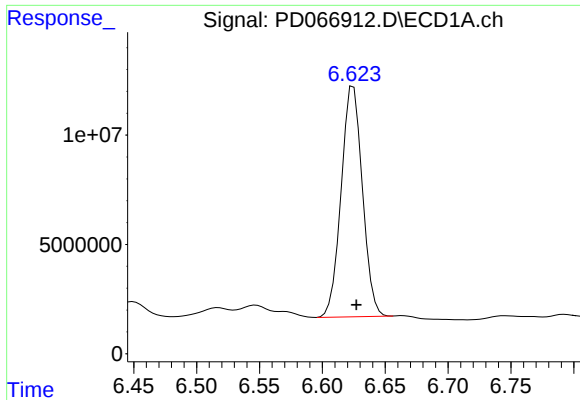
#18 Endrin aldehyde

R.T.: 6.413 min  
Delta R.T.: -0.003 min  
Response: 77862873  
Conc: 53.44 ng/ml



#18 Endrin aldehyde

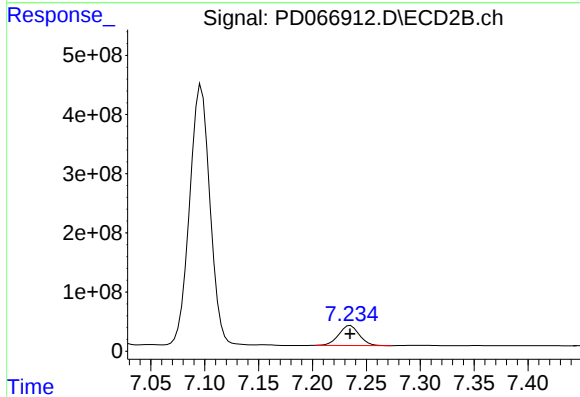
R.T.: 7.013 min  
Delta R.T.: 0.000 min  
Response: 281113196  
Conc: 52.84 ng/ml



#19 Endosulfan Sulfate

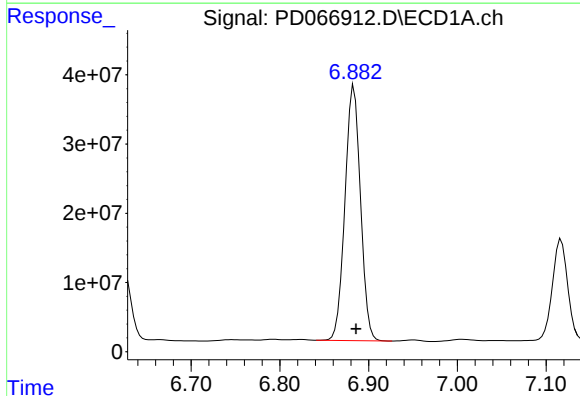
R.T.: 6.625 min  
Delta R.T.: -0.002 min  
Response: 124147440  
Conc: 68.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



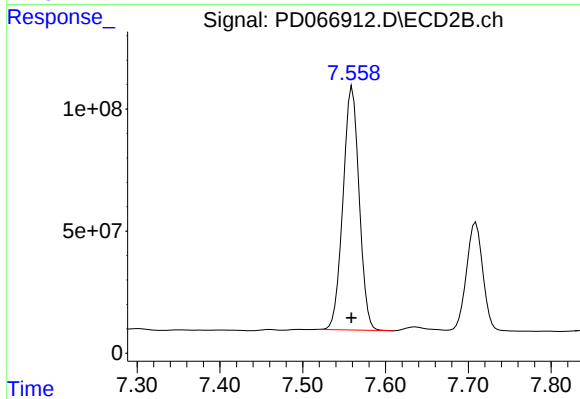
#19 Endosulfan Sulfate

R.T.: 7.235 min  
Delta R.T.: 0.000 min  
Response: 445268710  
Conc: 64.61 ng/ml



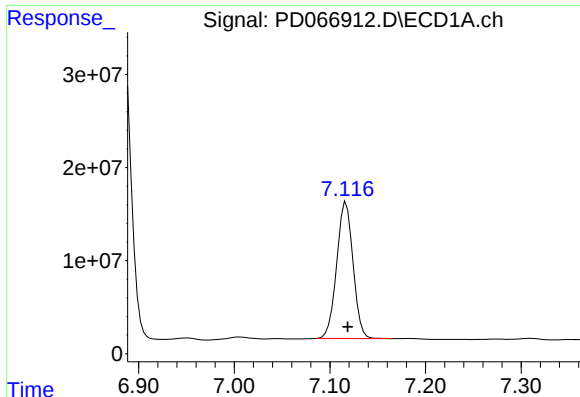
#20 Methoxychlor

R.T.: 6.883 min  
Delta R.T.: -0.002 min  
Response: 448197337  
Conc: 478.22 ng/ml



#20 Methoxychlor

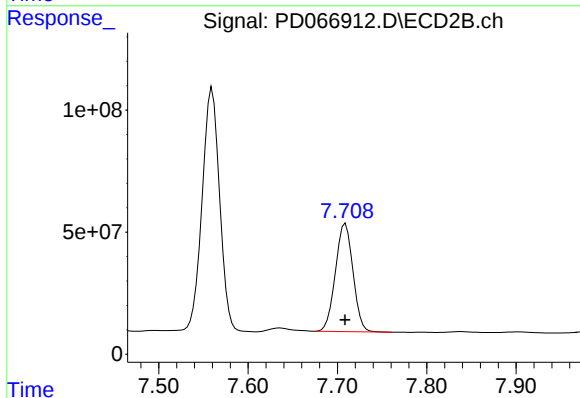
R.T.: 7.560 min  
Delta R.T.: 0.001 min  
Response: 1352244840  
Conc: 418.42 ng/ml



#21 Endrin ketone

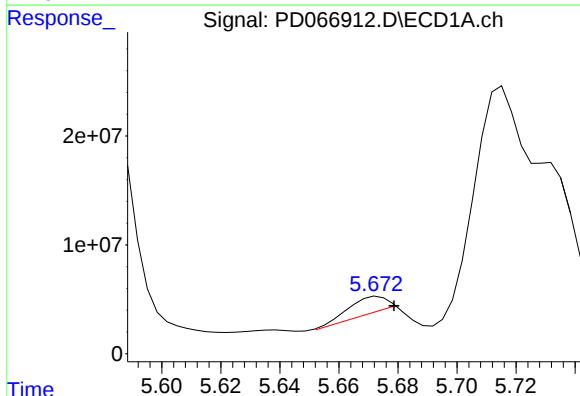
R.T.: 7.117 min  
Delta R.T.: -0.002 min  
Response: 174395369  
Conc: 84.64 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



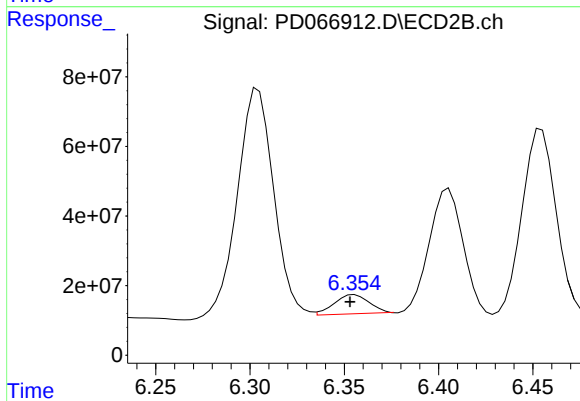
#21 Endrin ketone

R.T.: 7.709 min  
Delta R.T.: 0.000 min  
Response: 602865811  
Conc: 76.91 ng/ml



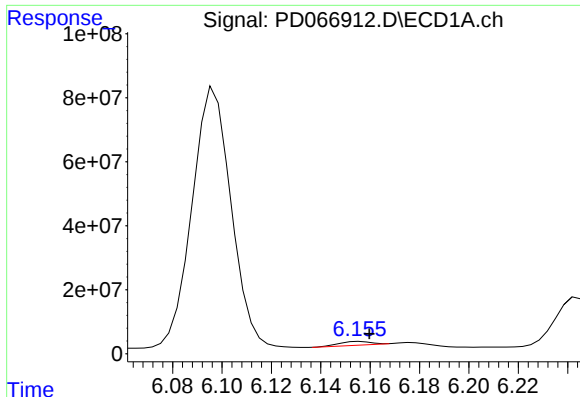
#22 Toxaphene-1

R.T.: 5.673 min  
Delta R.T.: -0.005 min  
Response: 15967905  
Conc: 1015.25 ng/ml



#22 Toxaphene-1

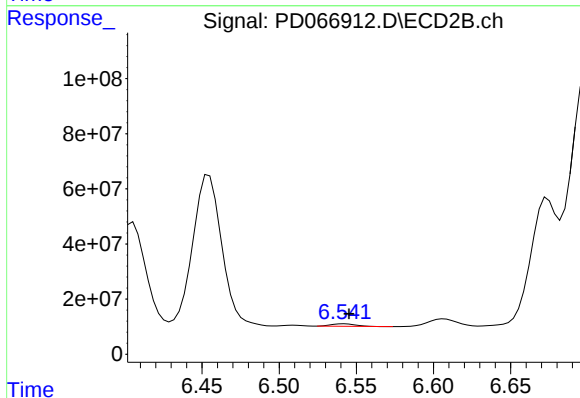
R.T.: 6.355 min  
Delta R.T.: 0.002 min  
Response: 72285939  
Conc: 1788.27 ng/ml



#23 Toxaphene-2

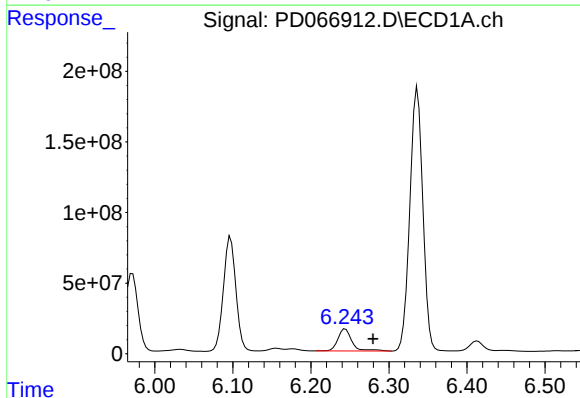
R.T.: 6.156 min  
Delta R.T.: -0.004 min  
Response: 9853131  
Conc: 612.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



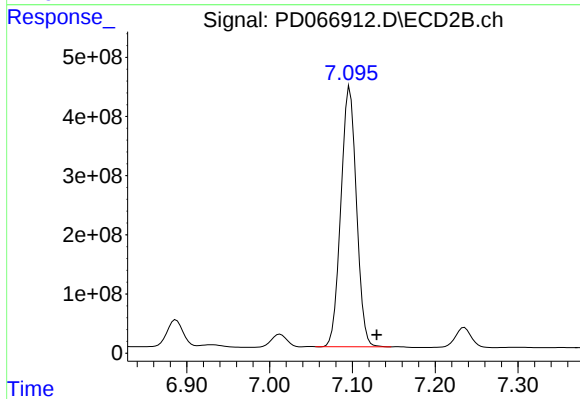
#23 Toxaphene-2

R.T.: 6.542 min  
Delta R.T.: -0.003 min  
Response: 9794002  
Conc: 148.28 ng/ml



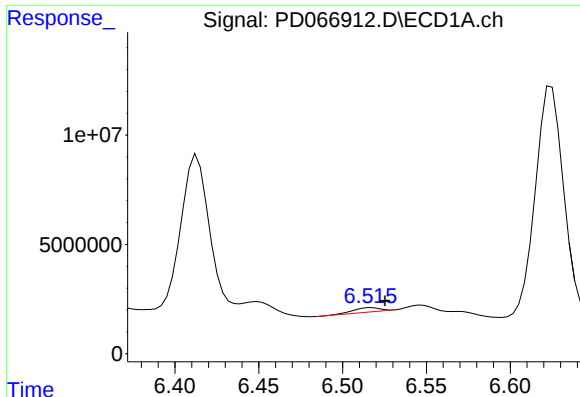
#24 Toxaphene-3

R.T.: 6.244 min  
Delta R.T.: -0.036 min  
Response: 193931928  
Conc: 5213.61 ng/ml



#24 Toxaphene-3

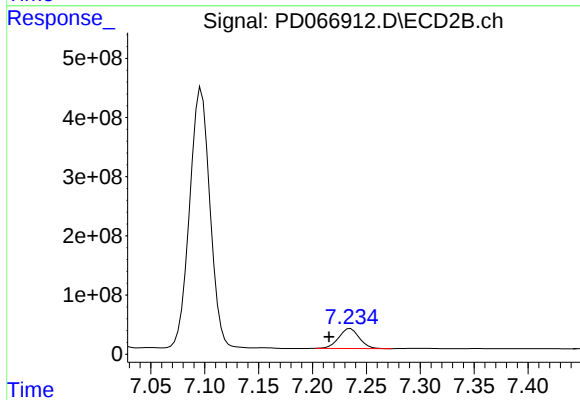
R.T.: 7.097 min  
Delta R.T.: -0.033 min  
Response: 5745498052  
Conc: 50491.90 ng/ml



#25 Toxaphene-4

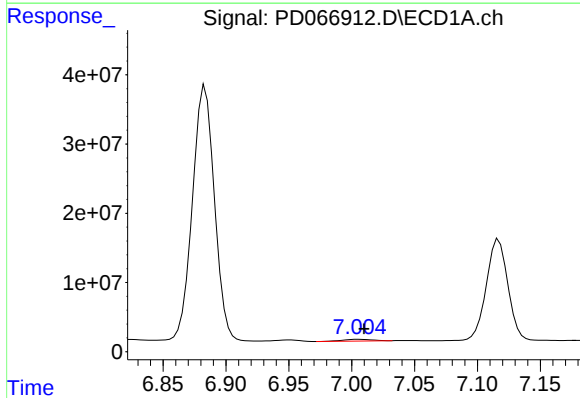
R.T.: 6.517 min  
Delta R.T.: -0.008 min  
Response: 2173649  
Conc: 56.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



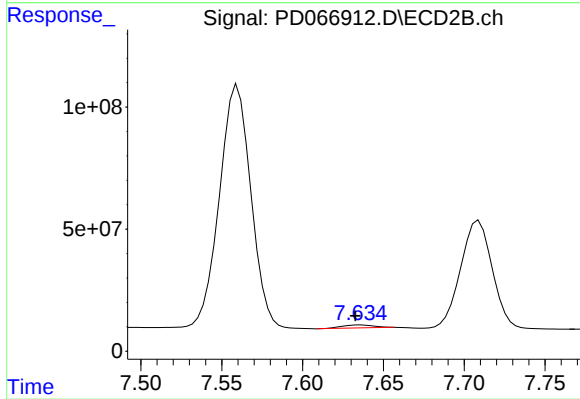
#25 Toxaphene-4

R.T.: 7.235 min  
Delta R.T.: 0.020 min  
Response: 445268710  
Conc: 3939.14 ng/ml



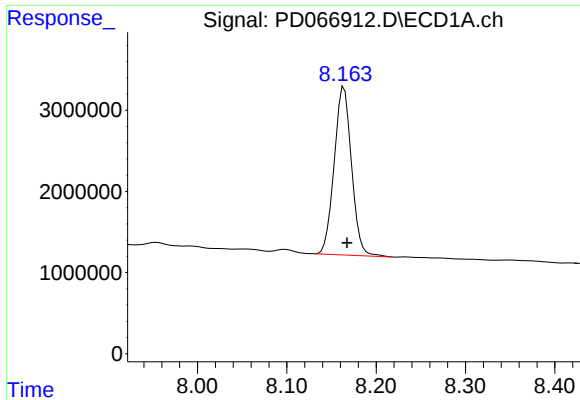
#26 Toxaphene-5

R.T.: 7.006 min  
Delta R.T.: -0.004 min  
Response: 4062990  
Conc: 104.16 ng/ml



#26 Toxaphene-5

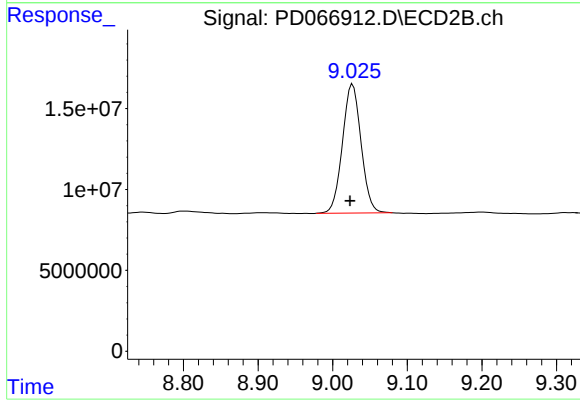
R.T.: 7.636 min  
Delta R.T.: 0.003 min  
Response: 16199553  
Conc: 190.23 ng/ml



#27 Decachlorobiphenyl

R.T.: 8.164 min  
Delta R.T.: -0.003 min  
Response: 27860952  
Conc: 23.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :



#27 Decachlorobiphenyl

R.T.: 9.027 min  
Delta R.T.: 0.003 min  
Response: 138179934  
Conc: 26.50 ng/ml