

Data Path : P:\HPCHEM1\ECD\_L\Data\PL012918\  
 Data File : PL032638.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 29 Jan 2018 17:13  
 Operator : UA\AJ  
 Sample : J1305-02  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ENGINE-WASH

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jan 29 22:47:09 2018  
 Quant Method : P:\HPCHEM1\ECD\_L\methods\PL012618.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jan 27 04:03:48 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR2 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... | 3.408  | 3.993  | 134.9E6  | 34527833 | 15.091  | 27.571 #   |
| 28)                         | SA Decachlor... | 8.112  | 9.026  | 69590671 | 9819316  | 5.981   | 5.162      |
| Target Compounds            |                 |        |        |          |          |         |            |
| 2)                          | A alpha-BHC     | 3.850  | 4.377  | 29965025 | 22499112 | 2.130   | 9.713 #    |
| 3)                          | MA gamma-BHC... | 4.166f | 4.673  | 59719509 | 626195   | 4.625   | 0.292 #    |
| 4)                          | MA Heptachlor   | 4.383  | 5.196  | 511.8E6  | 5714375  | 38.660  | 2.737 #    |
| 5)                          | MB Aldrin       | 0.000  | 5.497f | 0        | 35876378 | N.D.    | 17.132 #   |
| 6)                          | B beta-BHC      | 4.383  | 0.000  | 511.8E6  | 0        | 89.605  | N.D. #     |
| 7)                          | B delta-BHC     | 0.000  | 5.017  | 0        | 99410761 | N.D.    | 44.712 #   |
| 8)                          | B Heptachlo...  | 5.112  | 5.866  | 20469614 | 881733   | 1.729   | 0.493 #    |
| 9)                          | A Endosulfan I  | 5.410  | 6.178  | 22471708 | 4207744  | 1.969   | 2.332      |
| 10)                         | B gamma-Chl...  | 5.383f | 6.117f | 61890870 | 1444236  | 4.795   | 0.741 #    |
| 11)                         | B alpha-Chl...  | 5.383  | 6.178  | 61890870 | 4207744  | 4.975   | 2.220 #    |
| 12)                         | B 4,4'-DDE      | 5.522  | 6.345f | 10974410 | 1601586  | 0.864   | 0.840      |
| 14)                         | MA Endrin       | 5.876f | 6.705f | 8369002  | 7176145  | 0.717   | 4.255 #    |
| 15)                         | B Endosulfa...  | 6.151f | 6.860  | 54845884 | 5003539  | 4.675   | 2.842 #    |
| 16)                         | A 4,4'-DDD      | 6.010f | 6.823  | 5187438  | 10286144 | 0.493   | 7.212 #    |
| 17)                         | MA 4,4'-DDT     | 0.000  | 7.130f | 0        | 6227826  | N.D.    | 4.671 #    |
| 18)                         | B Endrin al...  | 0.000  | 6.995  | 0        | 16755243 | N.D.    | 11.315 #   |
| 19)                         | B Endosulfa...  | 6.602  | 7.230  | 84079245 | 6817029  | 7.590   | 4.227 #    |
| 20)                         | A Methoxychlor  | 6.782f | 7.494f | 40800570 | 9117994  | 7.022   | 11.186 #   |
| 21)                         | B Endrin ke...  | 6.997f | 0.000  | 4137960  | 0        | 0.330   | N.D. #     |
| 23)                         | Chlordane-1     | 4.291  | 5.017  | 12882423 | 99410761 | 31.362  | 1285.616 # |
| 24)                         | Chlordane-2     | 4.383  | 5.196  | 511.8E6  | 5714375  | 833.426 | 48.695 #   |
| 25)                         | Chlordane-3     | 5.383  | 6.117  | 61890870 | 1444236  | 41.464  | 5.241 #    |
| 26)                         | Chlordane-4     | 5.383  | 6.178  | 61890870 | 4207744  | 48.118  | 12.879 #   |
| 27)                         | Chlordane-5     | 6.151  | 6.933  | 54845884 | 2543081  | 110.926 | 42.198 #   |
| -----                       |                 |        |        |          |          |         |            |

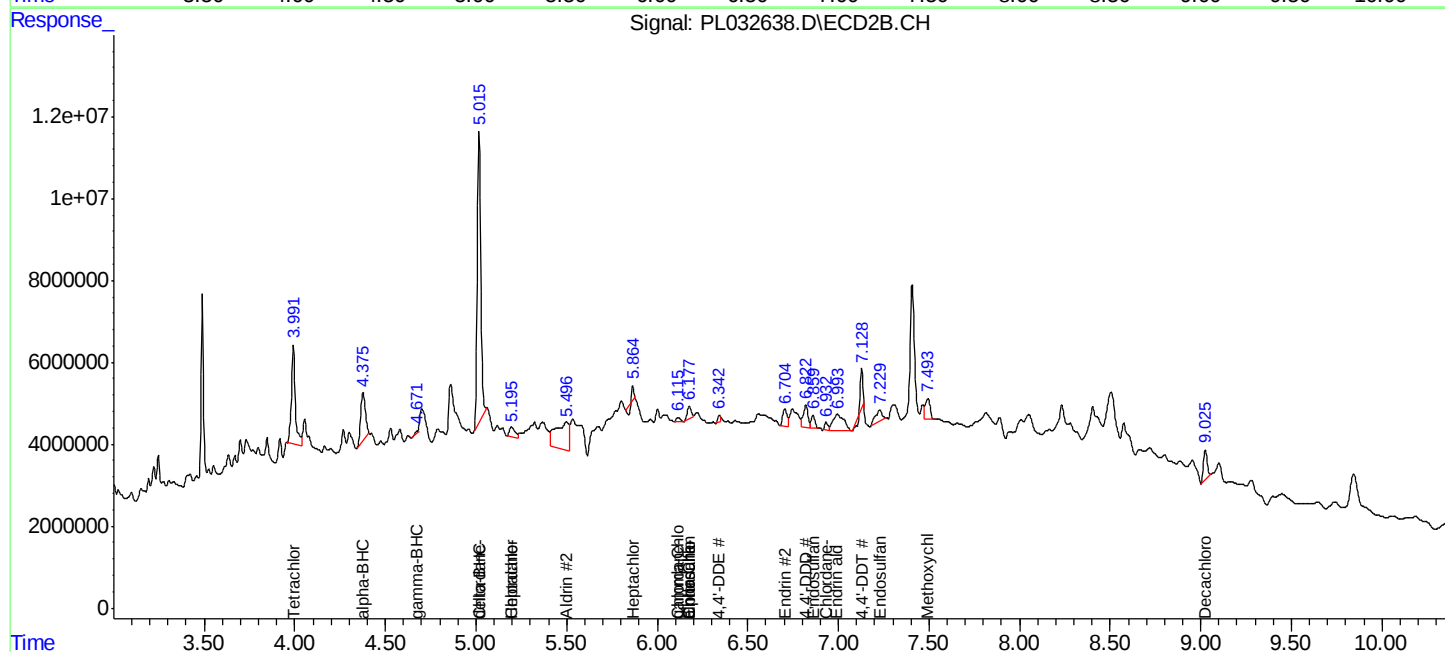
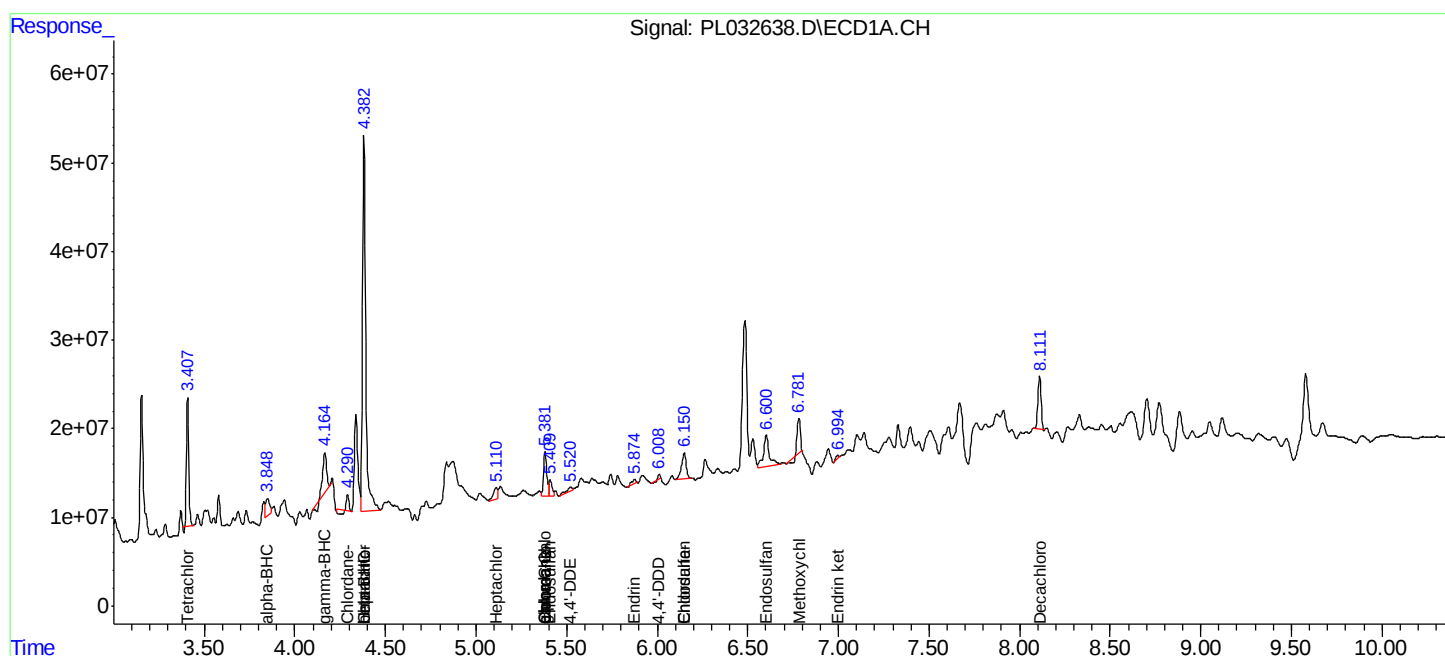
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

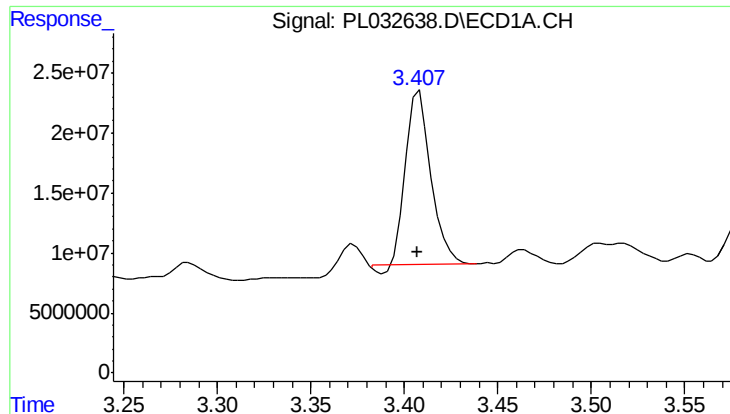
Data Path : P:\HPCHEM1\ECD\_L\Data\PL012918\  
Data File : PL032638.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 29 Jan 2018 17:13  
Operator : UA\AJ  
Sample : J1305-02  
Misc :  
ALS Vial : 29 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jan 29 22:47:09 2018  
Quant Method : P:\HPCHEM1\ECD\_L\methods\PL012618.M  
Quant Title : GC Extractables  
QLast Update : Sat Jan 27 04:03:48 2018  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

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

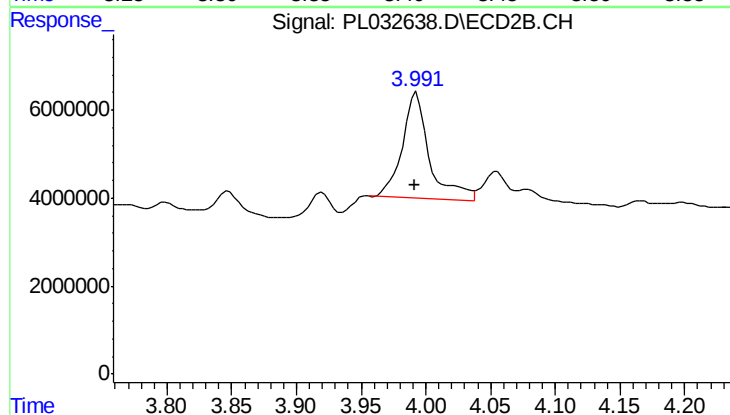




#1 Tetrachloro-m-xylene

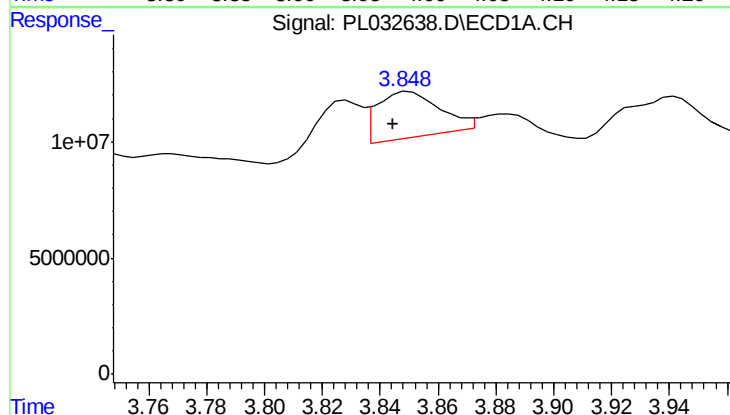
R.T.: 3.408 min  
Delta R.T.: 0.000 min  
Response: 134914593  
Conc: 15.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



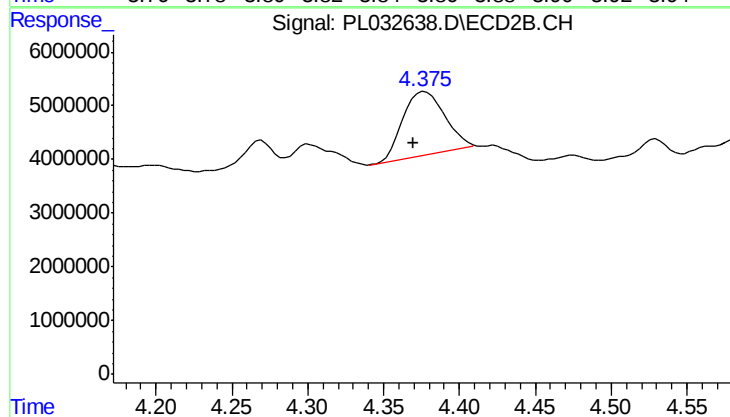
#1 Tetrachloro-m-xylene

R.T.: 3.993 min  
Delta R.T.: 0.001 min  
Response: 34527833  
Conc: 27.57 ng/ml



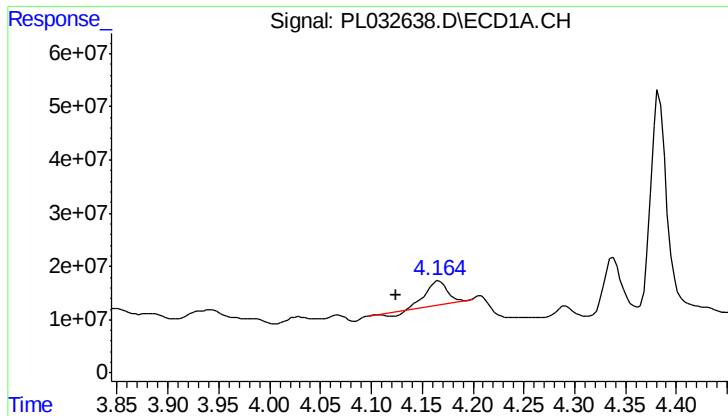
#2 alpha-BHC

R.T.: 3.850 min  
Delta R.T.: 0.006 min  
Response: 29965025  
Conc: 2.13 ng/ml



#2 alpha-BHC

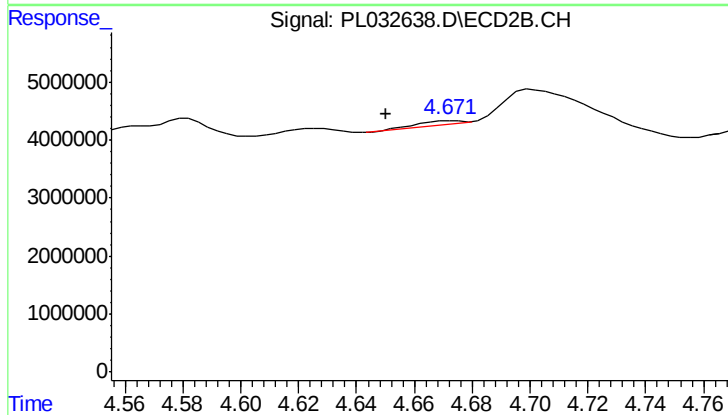
R.T.: 4.377 min  
Delta R.T.: 0.007 min  
Response: 22499112  
Conc: 9.71 ng/ml



#3 gamma-BHC (Lindane)

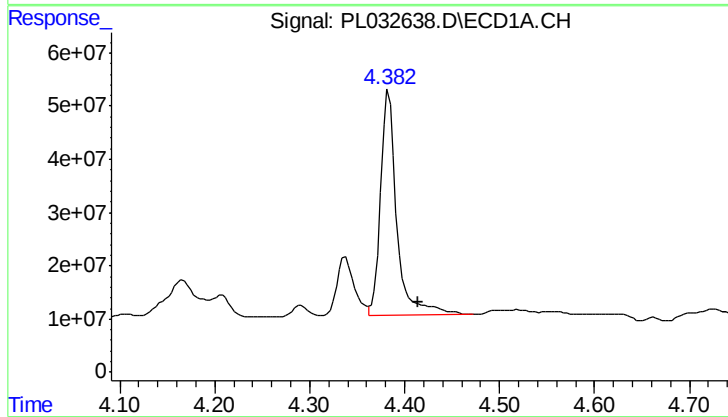
R.T.: 4.166 min  
Delta R.T.: 0.042 min  
Response: 59719509  
Conc: 4.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



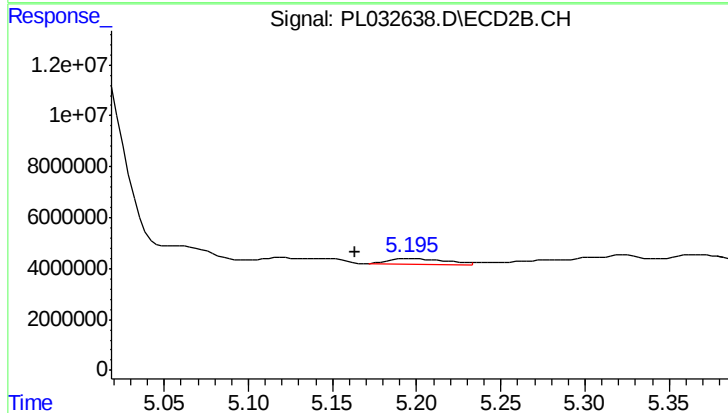
#3 gamma-BHC (Lindane)

R.T.: 4.673 min  
Delta R.T.: 0.023 min  
Response: 626195  
Conc: 0.29 ng/ml



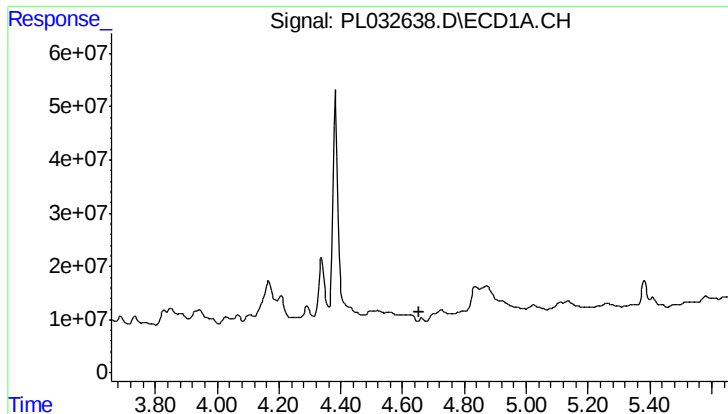
#4 Heptachlor

R.T.: 4.383 min  
Delta R.T.: -0.031 min  
Response: 511753560  
Conc: 38.66 ng/ml



#4 Heptachlor

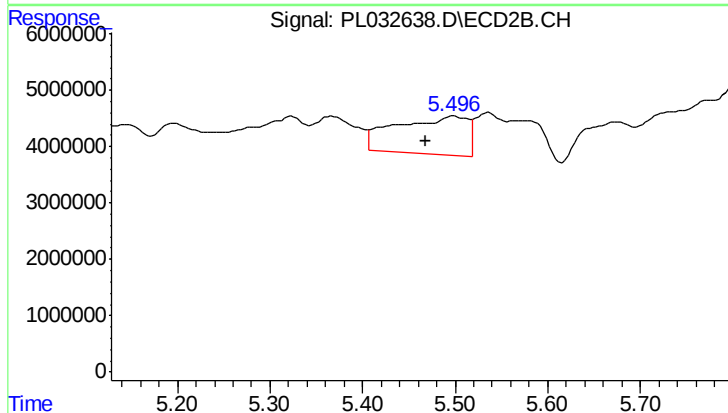
R.T.: 5.196 min  
Delta R.T.: 0.032 min  
Response: 5714375  
Conc: 2.74 ng/ml



#5 Aldrin

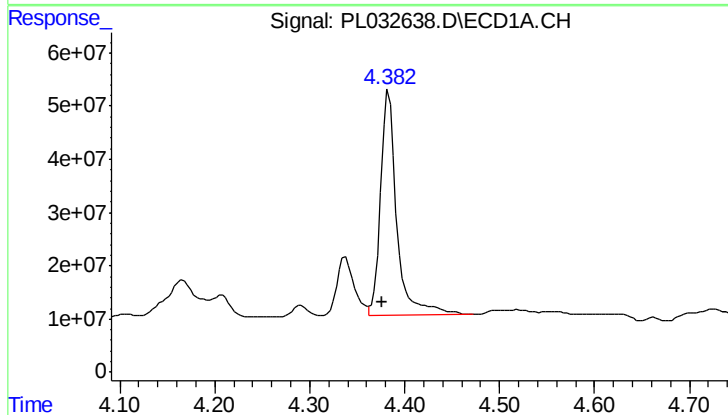
R.T.: 0.000 min  
Exp R.T.: 4.656 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



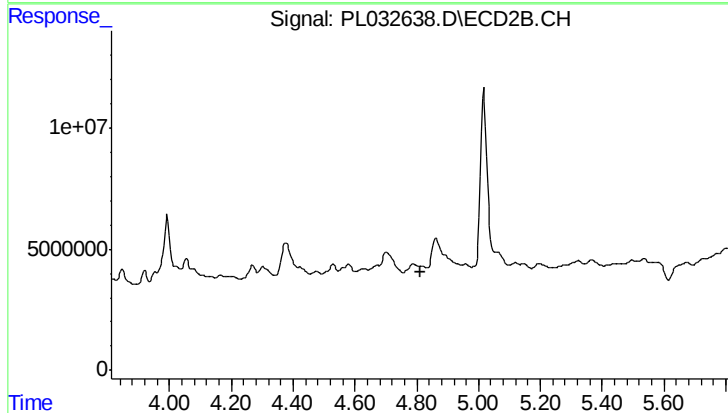
#5 Aldrin

R.T.: 5.497 min  
Delta R.T.: 0.029 min  
Response: 35876378  
Conc: 17.13 ng/ml



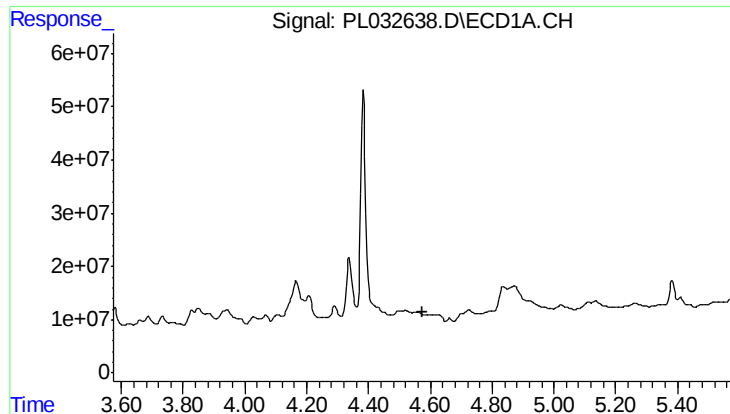
#6 beta-BHC

R.T.: 4.383 min  
Delta R.T.: 0.008 min  
Response: 511753560  
Conc: 89.60 ng/ml



#6 beta-BHC

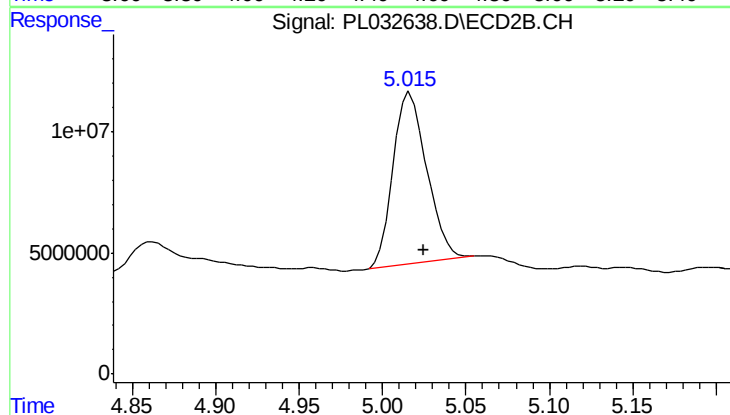
R.T.: 0.000 min  
Exp R.T.: 4.811 min  
Response: 0  
Conc: N.D.



#7 delta-BHC

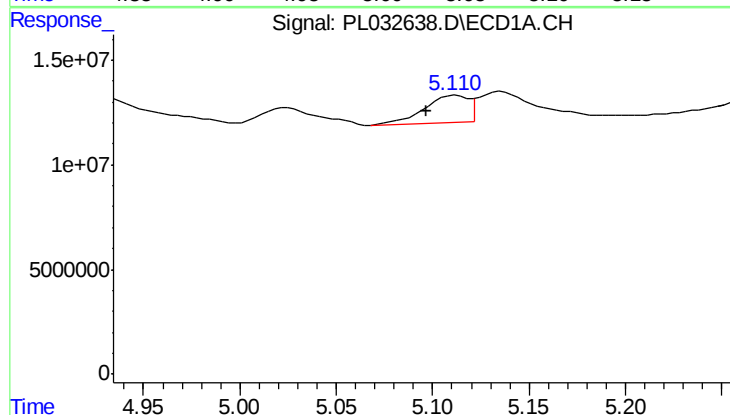
R.T.: 0.000 min  
Exp R.T.: 4.574 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



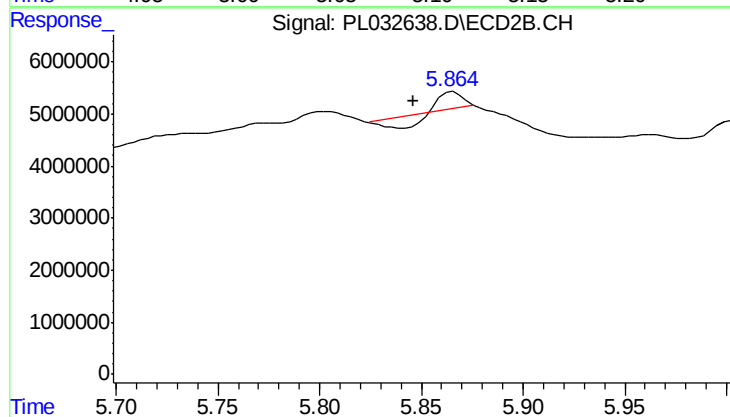
#7 delta-BHC

R.T.: 5.017 min  
Delta R.T.: -0.008 min  
Response: 99410761  
Conc: 44.71 ng/ml



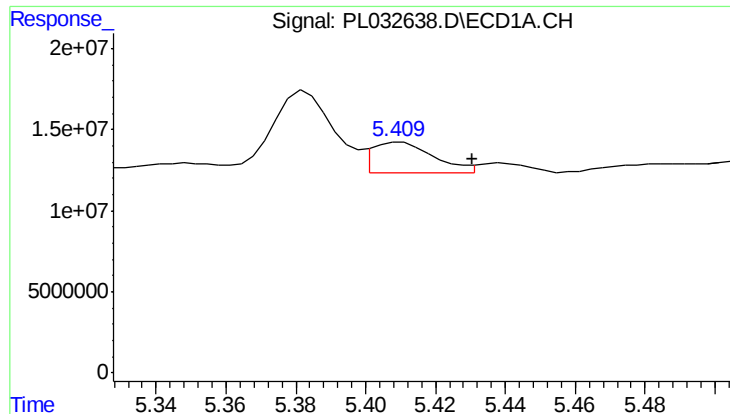
#8 Heptachlor epoxide

R.T.: 5.112 min  
Delta R.T.: 0.015 min  
Response: 20469614  
Conc: 1.73 ng/ml



#8 Heptachlor epoxide

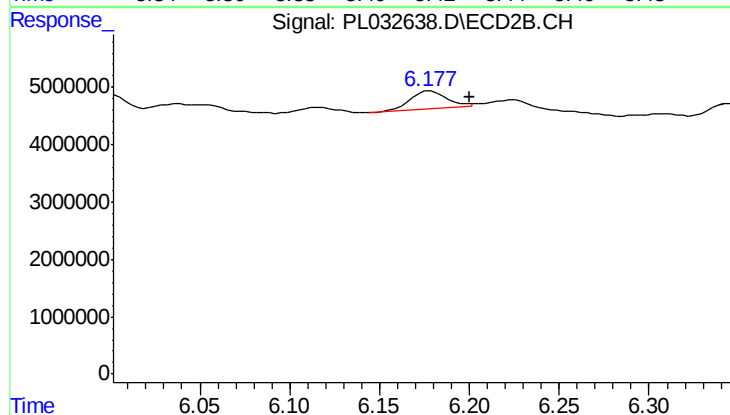
R.T.: 5.866 min  
Delta R.T.: 0.020 min  
Response: 881733  
Conc: 0.49 ng/ml



#9 Endosulfan I

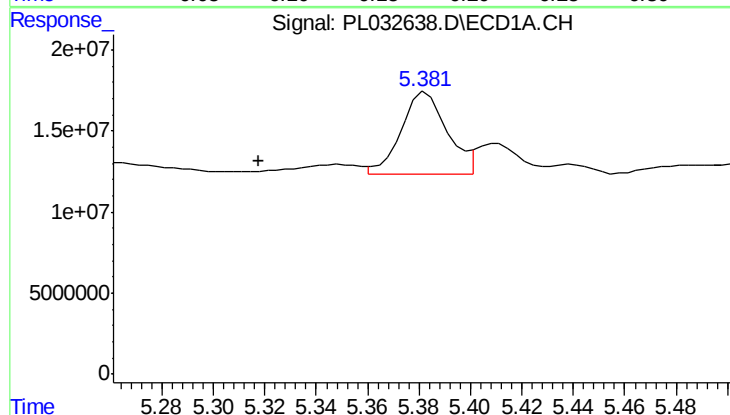
R.T.: 5.410 min  
Delta R.T.: -0.021 min  
Response: 22471708  
Conc: 1.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



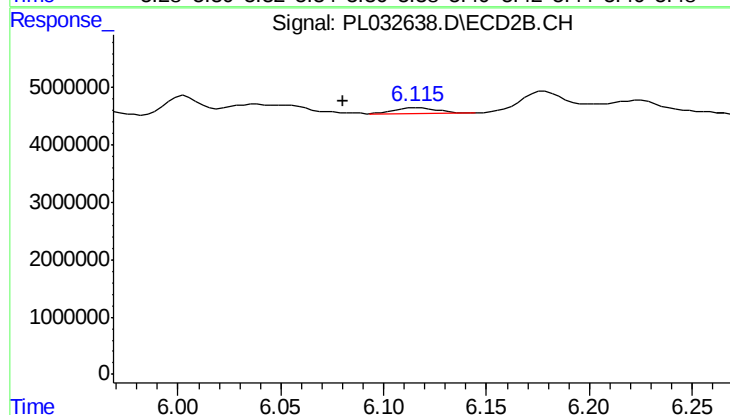
#9 Endosulfan I

R.T.: 6.178 min  
Delta R.T.: -0.022 min  
Response: 4207744  
Conc: 2.33 ng/ml



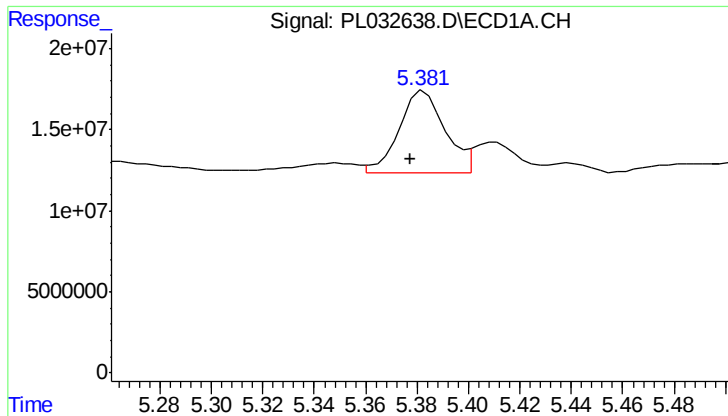
#10 gamma-Chlordane

R.T.: 5.383 min  
Delta R.T.: 0.065 min  
Response: 61890870  
Conc: 4.80 ng/ml



#10 gamma-Chlordane

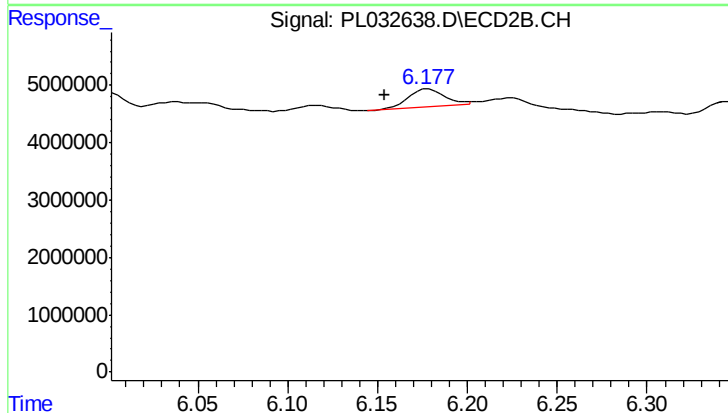
R.T.: 6.117 min  
Delta R.T.: 0.036 min  
Response: 1444236  
Conc: 0.74 ng/ml



#11 alpha-Chlordane

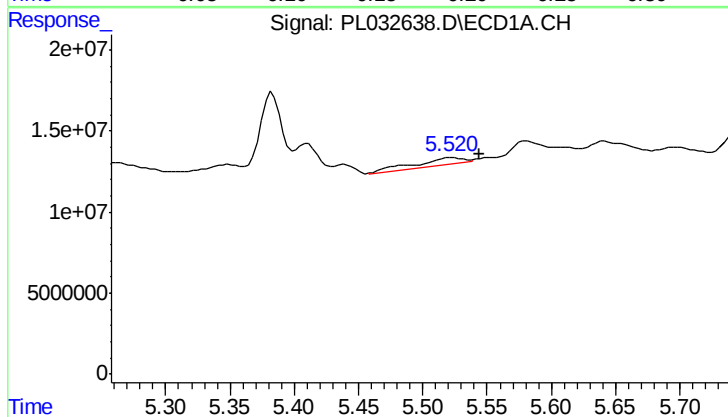
R.T.: 5.383 min  
Delta R.T.: 0.006 min  
Response: 61890870  
Conc: 4.97 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



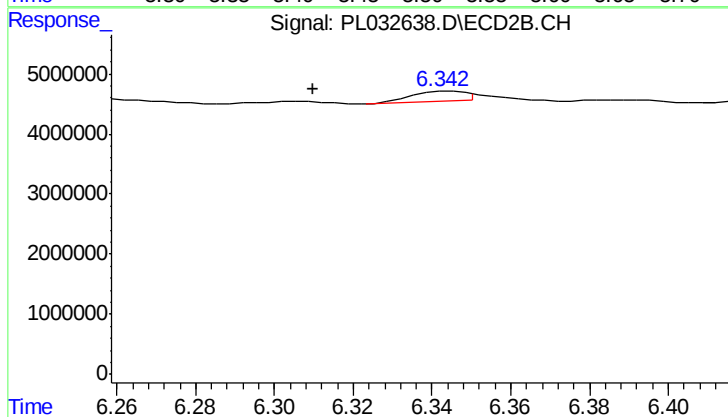
#11 alpha-Chlordane

R.T.: 6.178 min  
Delta R.T.: 0.024 min  
Response: 4207744  
Conc: 2.22 ng/ml



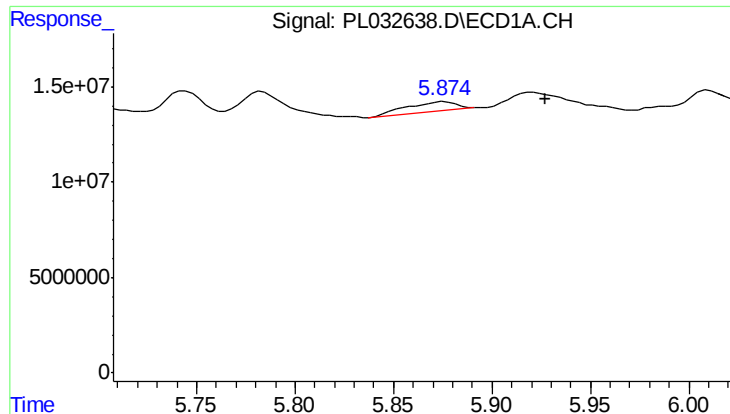
#12 4,4'-DDE

R.T.: 5.522 min  
Delta R.T.: -0.022 min  
Response: 10974410  
Conc: 0.86 ng/ml



#12 4,4'-DDE

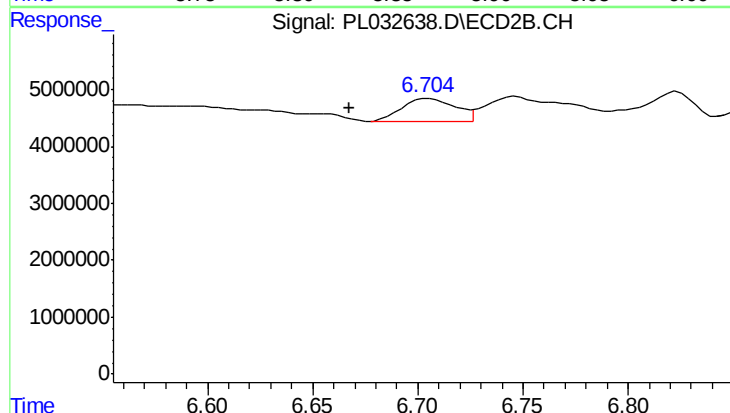
R.T.: 6.345 min  
Delta R.T.: 0.035 min  
Response: 1601586  
Conc: 0.84 ng/ml



#14 Endrin

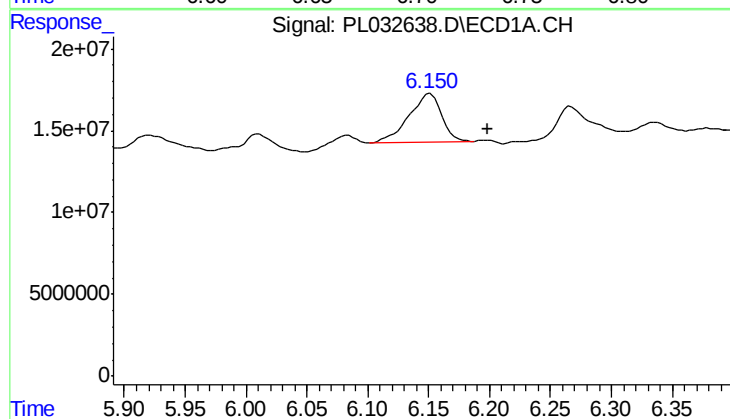
R.T.: 5.876 min  
Delta R.T.: -0.051 min  
Response: 8369002  
Conc: 0.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



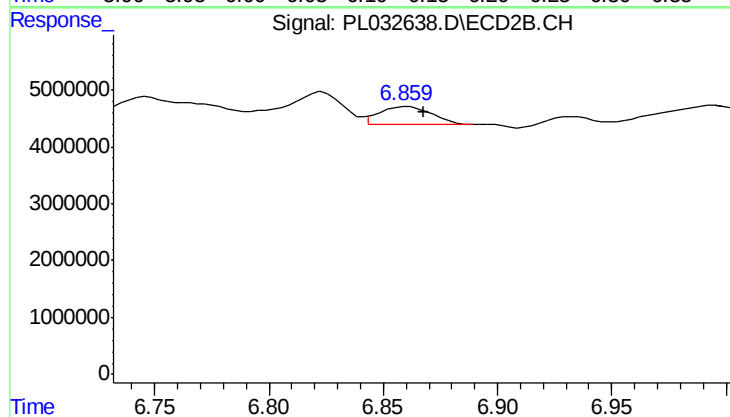
#14 Endrin

R.T.: 6.705 min  
Delta R.T.: 0.037 min  
Response: 7176145  
Conc: 4.26 ng/ml



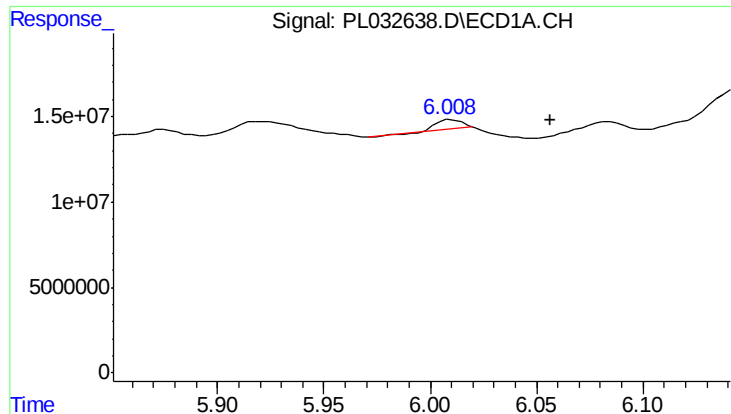
#15 Endosulfan II

R.T.: 6.151 min  
Delta R.T.: -0.047 min  
Response: 54845884  
Conc: 4.67 ng/ml



#15 Endosulfan II

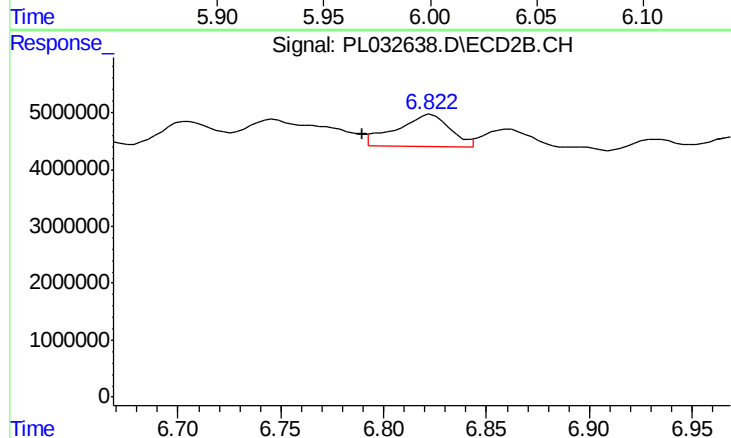
R.T.: 6.860 min  
Delta R.T.: -0.007 min  
Response: 5003539  
Conc: 2.84 ng/ml



#16 4,4'-DDD

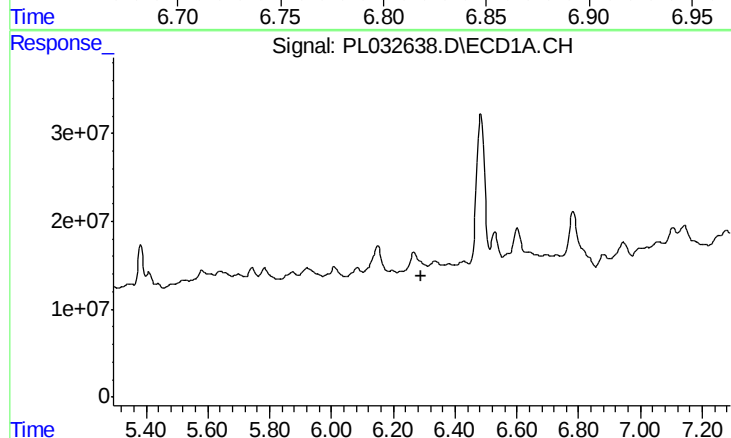
R.T.: 6.010 min  
Delta R.T.: -0.046 min  
Response: 5187438  
Conc: 0.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



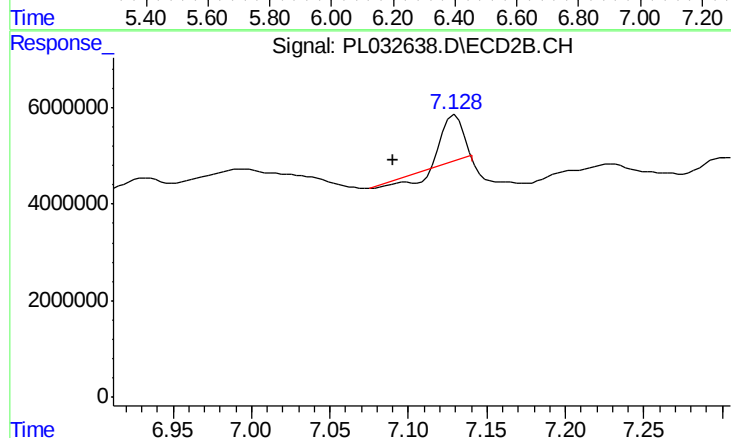
#16 4,4'-DDD

R.T.: 6.823 min  
Delta R.T.: 0.033 min  
Response: 10286144  
Conc: 7.21 ng/ml



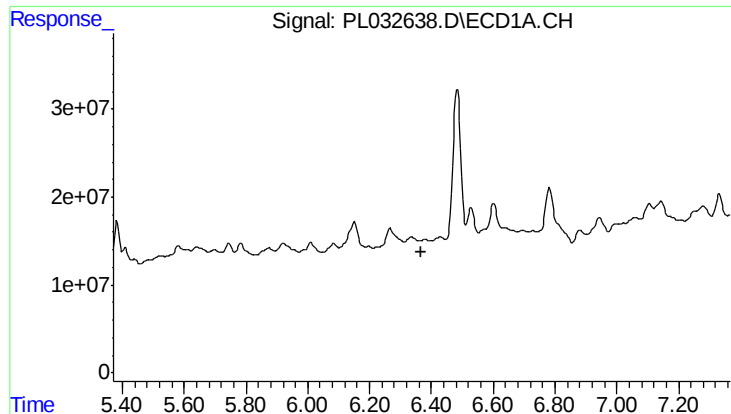
#17 4,4'-DDT

R.T.: 0.000 min  
Exp R.T.: 6.293 min  
Response: 0  
Conc: N.D.



#17 4,4'-DDT

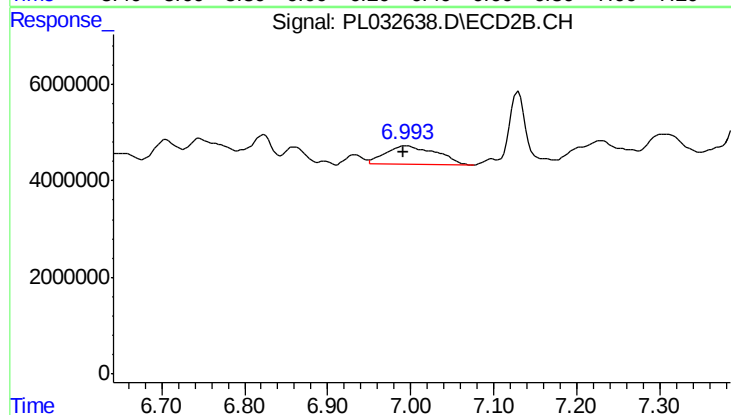
R.T.: 7.130 min  
Delta R.T.: 0.039 min  
Response: 6227826  
Conc: 4.67 ng/ml



#18 Endrin aldehyde

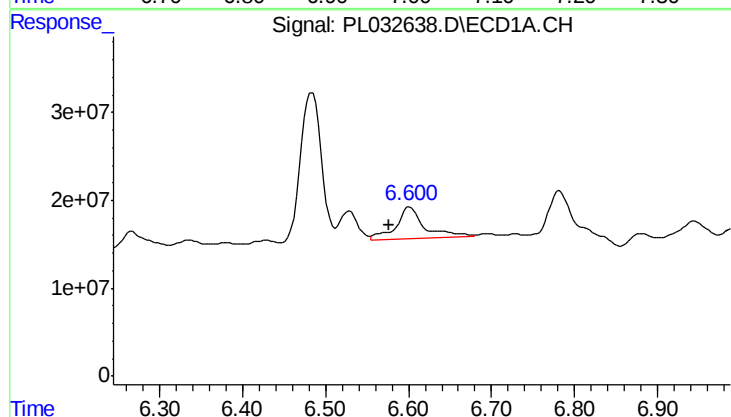
R.T.: 0.000 min  
Exp R.T.: 6.369 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



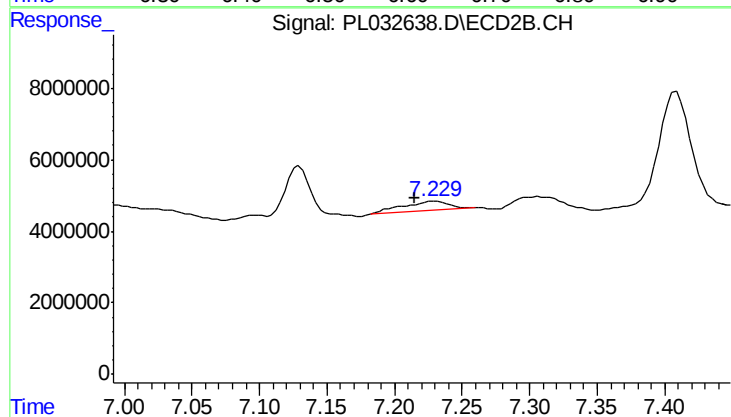
#18 Endrin aldehyde

R.T.: 6.995 min  
Delta R.T.: 0.003 min  
Response: 16755243  
Conc: 11.32 ng/ml



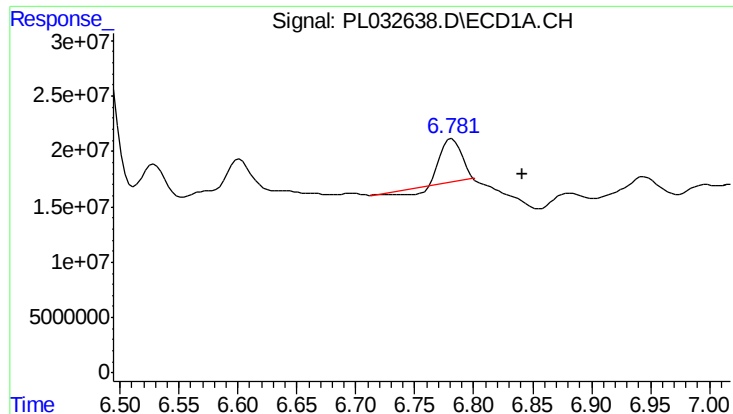
#19 Endosulfan Sulfate

R.T.: 6.602 min  
Delta R.T.: 0.025 min  
Response: 84079245  
Conc: 7.59 ng/ml



#19 Endosulfan Sulfate

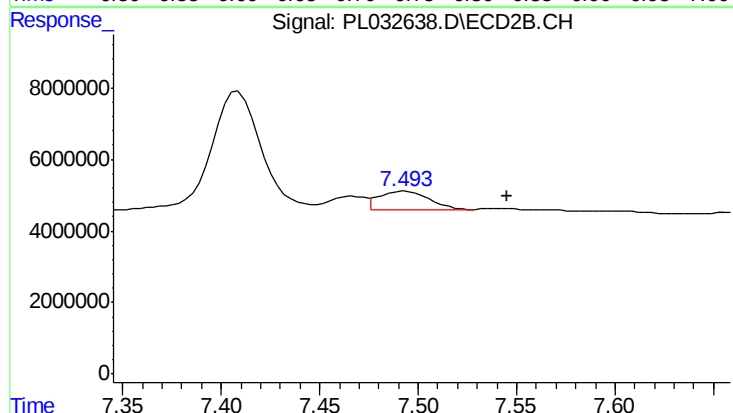
R.T.: 7.230 min  
Delta R.T.: 0.015 min  
Response: 6817029  
Conc: 4.23 ng/ml



#20 Methoxychlor

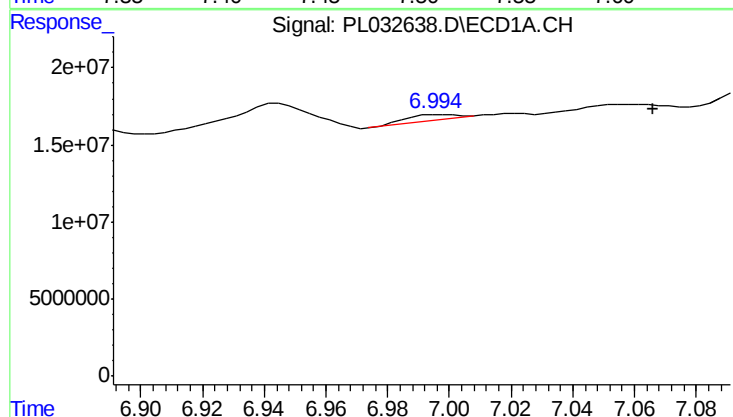
R.T.: 6.782 min  
Delta R.T.: -0.060 min  
Response: 40800570  
Conc: 7.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



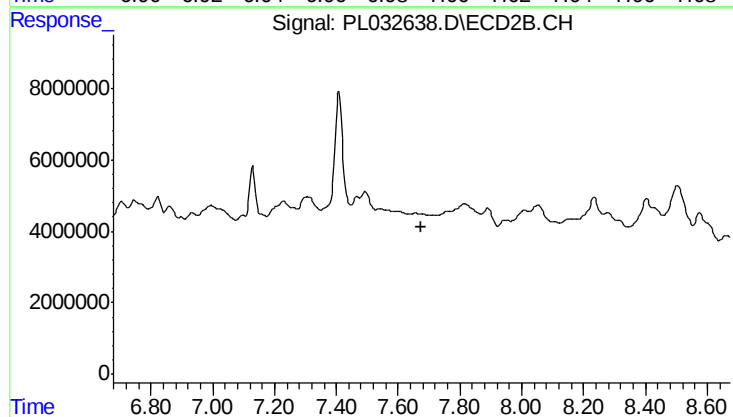
#20 Methoxychlor

R.T.: 7.494 min  
Delta R.T.: -0.051 min  
Response: 9117994  
Conc: 11.19 ng/ml



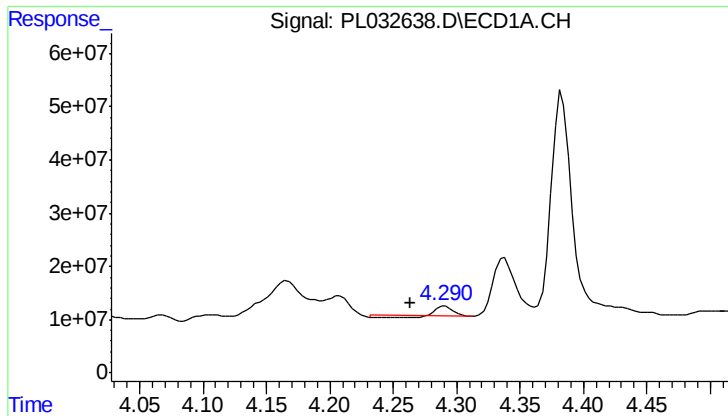
#21 Endrin ketone

R.T.: 6.997 min  
Delta R.T.: -0.069 min  
Response: 4137960  
Conc: 0.33 ng/ml



#21 Endrin ketone

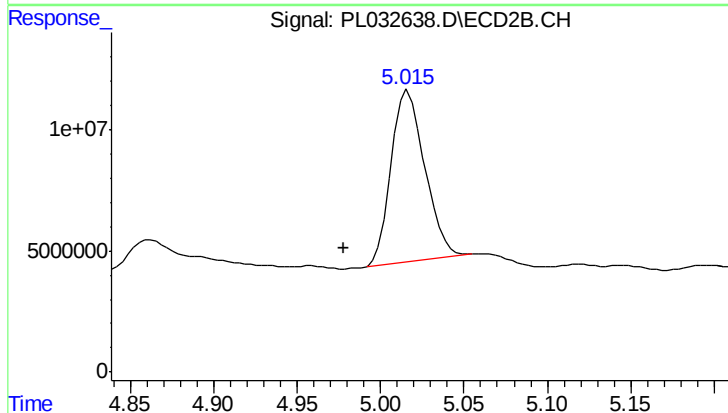
R.T.: 0.000 min  
Exp R.T.: 7.676 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

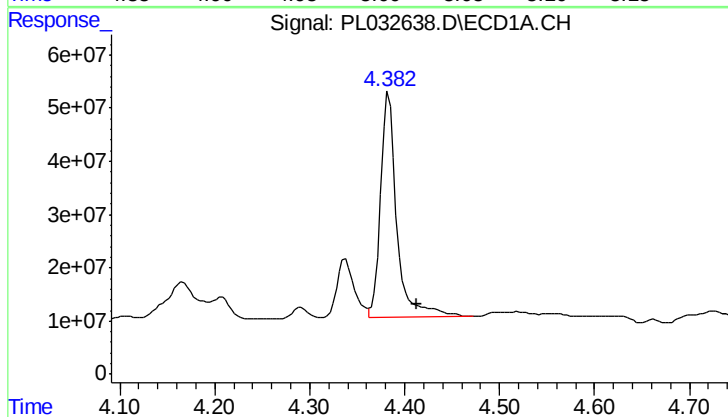
R.T.: 4.291 min  
Delta R.T.: 0.028 min  
Response: 12882423  
Conc: 31.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



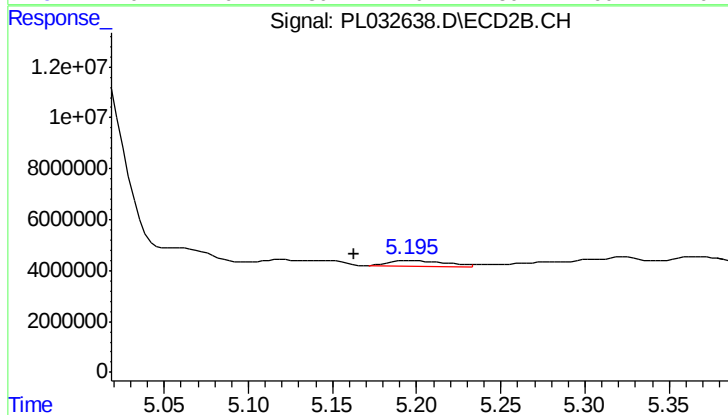
#23 Chlordane-1

R.T.: 5.017 min  
Delta R.T.: 0.039 min  
Response: 99410761  
Conc: 1285.62 ng/ml



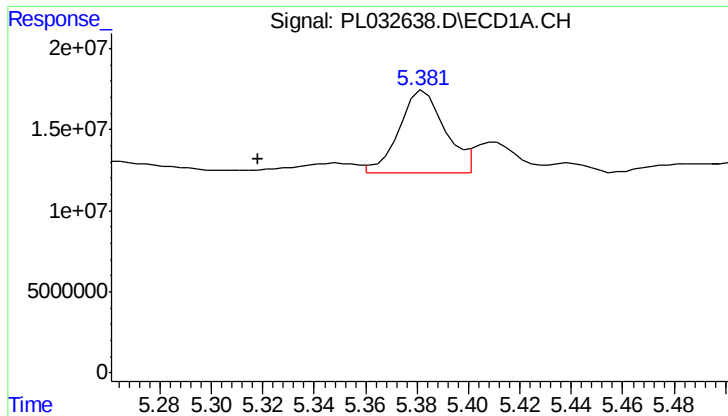
#24 Chlordane-2

R.T.: 4.383 min  
Delta R.T.: -0.029 min  
Response: 511753560  
Conc: 833.43 ng/ml



#24 Chlordane-2

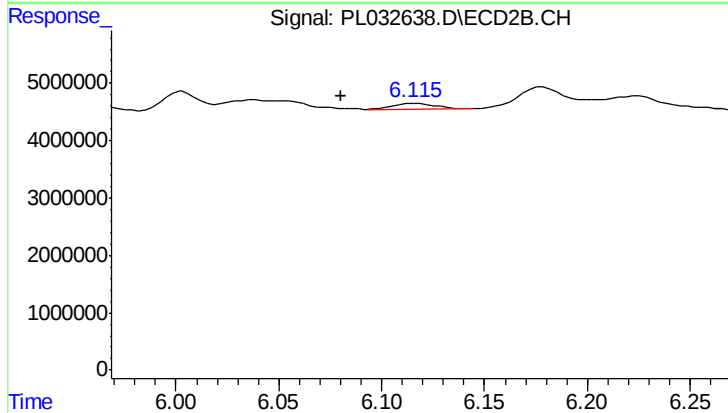
R.T.: 5.196 min  
Delta R.T.: 0.033 min  
Response: 5714375  
Conc: 48.70 ng/ml



#25 Chlordane-3

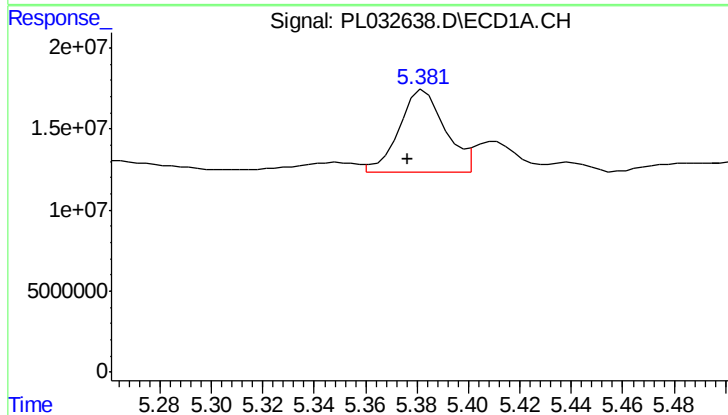
R.T.: 5.383 min  
Delta R.T.: 0.065 min  
Response: 61890870  
Conc: 41.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



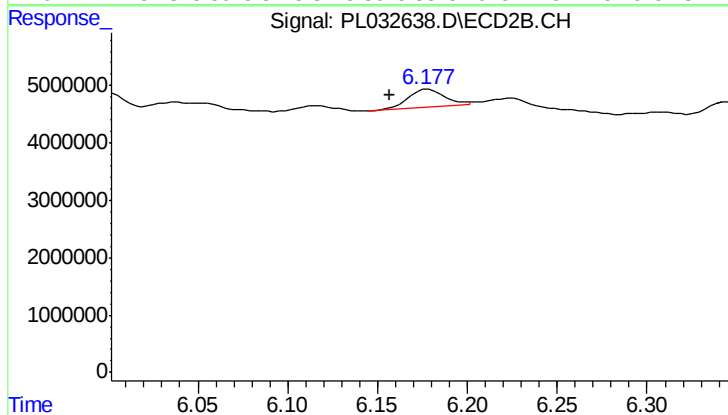
#25 Chlordane-3

R.T.: 6.117 min  
Delta R.T.: 0.036 min  
Response: 1444236  
Conc: 5.24 ng/ml



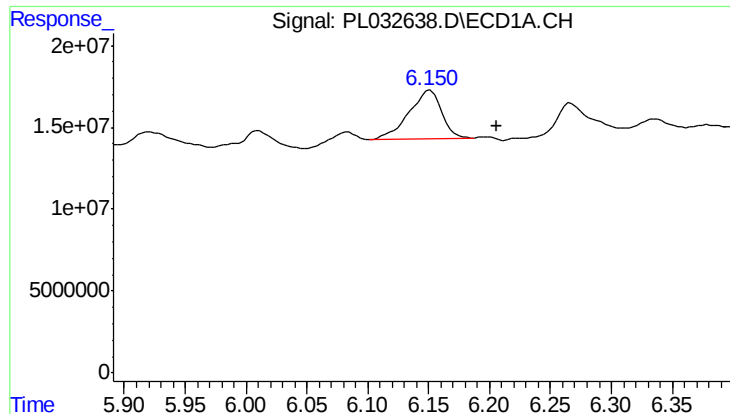
#26 Chlordane-4

R.T.: 5.383 min  
Delta R.T.: 0.007 min  
Response: 61890870  
Conc: 48.12 ng/ml



#26 Chlordane-4

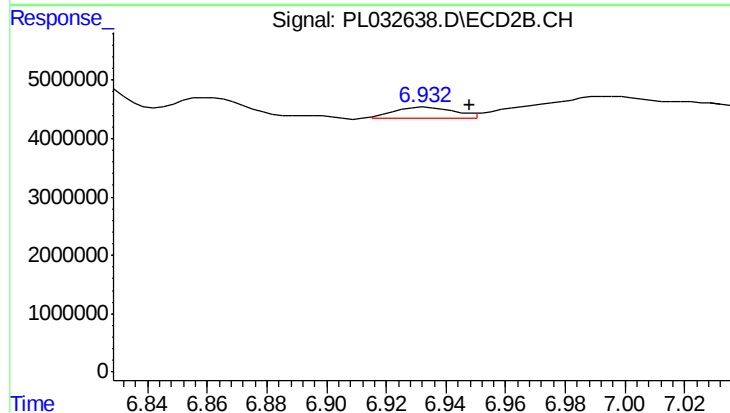
R.T.: 6.178 min  
Delta R.T.: 0.021 min  
Response: 4207744  
Conc: 12.88 ng/ml



#27 Chlordane-5

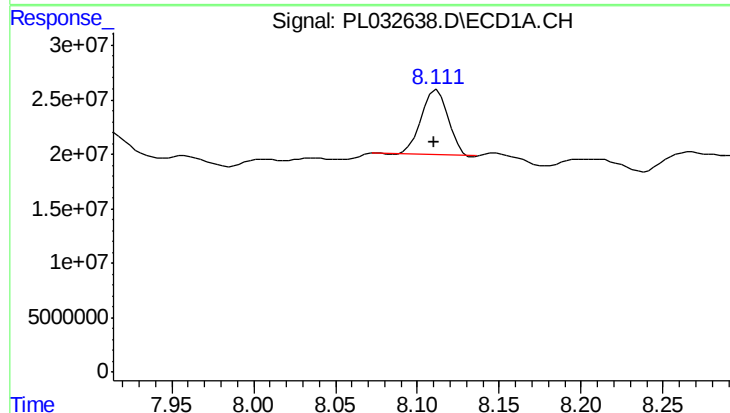
R.T.: 6.151 min  
Delta R.T.: -0.054 min  
Response: 54845884  
Conc: 110.93 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



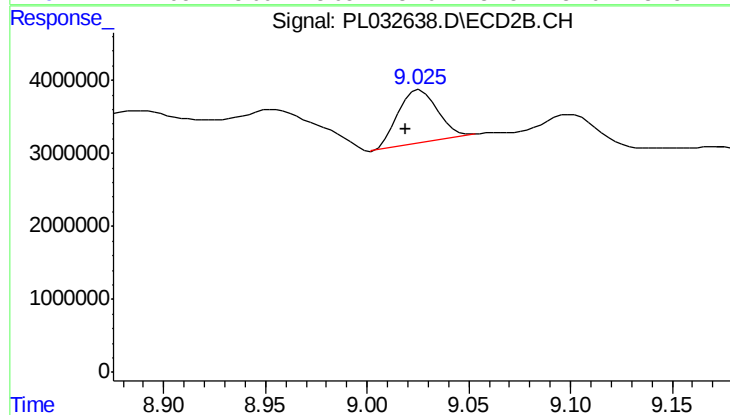
#27 Chlordane-5

R.T.: 6.933 min  
Delta R.T.: -0.015 min  
Response: 2543081  
Conc: 42.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.112 min  
Delta R.T.: 0.002 min  
Response: 69590671  
Conc: 5.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.026 min  
Delta R.T.: 0.007 min  
Response: 9819316  
Conc: 5.16 ng/ml