

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122818\  
 Data File : PL043514.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Dec 2018 19:07  
 Operator : AJ\SJ  
 Sample : J6584-01  
 Misc :  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 ENGINE-WASH

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 28 22:35:40 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL120618.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Dec 07 00:20:08 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... | 3.464  | 4.100  | 134.5E6  | 57307651 | 21.923  | 19.335    |
| 28)                         | SA Decachlor... | 8.198  | 9.231  | 97398869 | 51071962 | 14.916  | 19.579 #  |
| Target Compounds            |                 |        |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.891  | 4.487  | 6271658  | 1798821  | 0.663   | 0.398 #   |
| 3)                          | MA gamma-BHC... | 4.190  | 4.799  | 4425408  | -791730  | 0.513   | N.D. #    |
| 4)                          | MA Heptachlor   | 4.517  | 5.362f | 1870266  | 3475602  | 0.211   | 0.848 #   |
| 5)                          | MB Aldrin       | 4.686f | 5.606  | 5961413  | 6821279  | 0.703   | 1.671 #   |
| 6)                          | B beta-BHC      | 4.445  | 5.001f | 19453861 | 8263442  | 5.274   | 4.881     |
| 7)                          | B delta-BHC     | 4.686f | 5.148  | 5961413  | 56774266 | 0.736   | 13.211 #  |
| 8)                          | B Heptachlor... | 5.178  | 5.994  | 1700314  | 12647876 | 0.214   | 3.335 #   |
| 9)                          | A Endosulfan I  | 5.516  | 6.344  | 4969953  | 23075641 | 0.678   | 6.796 #   |
| 10)                         | B gamma-Chl...  | 5.452f | 6.218  | 52777571 | 3683811  | 6.547   | 1.003 #   |
| 11)                         | B alpha-Chl...  | 5.452  | 6.281  | 52777571 | 2910925  | 6.648   | 0.809 #   |
| 12)                         | B 4,4'-DDE      | 0.000  | 6.499f | 0        | 1290915  | N.D.    | 0.356 #   |
| 13)                         | MA Dieldrin     | 5.712f | 6.681f | 5483539  | 3989944  | 0.705   | 1.100 #   |
| 15)                         | B Endosulfa...  | 6.226f | 7.001f | 32435243 | 4970191  | 4.876   | 1.641 #   |
| 16)                         | A 4,4'-DDD      | 6.134  | 6.938  | -8068582 | 4777205  | N.D.    | 1.629     |
| 17)                         | MA 4,4'-DDT     | 6.356  | 0.000  | 1738012  | 0        | 0.292   | N.D. #    |
| 18)                         | B Endrin al...  | 6.450  | 7.134  | 2404823  | 2916736  | 0.436   | 1.163 #   |
| 19)                         | B Endosulfa...  | 0.000  | 7.373  | 0        | 2672542  | N.D.    | 0.889 #   |
| 20)                         | A Methoxychlor  | 6.931  | 7.641f | 327012   | 2391157  | 0.097   | 1.585 #   |
| 21)                         | B Endrin ke...  | 7.198f | 0.000  | 1511324  | 0        | 0.209   | N.D. #    |
| 23)                         | Chlordane-1     | 4.329  | 5.148  | 1030364  | 56774266 | 3.835   | 401.706 # |
| 24)                         | Chlordane-2     | 4.858  | 5.606  | 2054488  | 6821279  | 7.158   | 47.554 #  |
| 25)                         | Chlordane-3     | 5.452  | 6.218  | 52777571 | 3683811  | 63.508  | 7.502 #   |
| 26)                         | Chlordane-4     | 5.452  | 6.281  | 52777571 | 2910925  | 69.803  | 5.100 #   |
| 27)                         | Chlordane-5     | 6.226  | 7.104  | 32435243 | 1229299  | 135.229 | 10.485 #  |
| -----                       |                 |        |        |          |          |         |           |

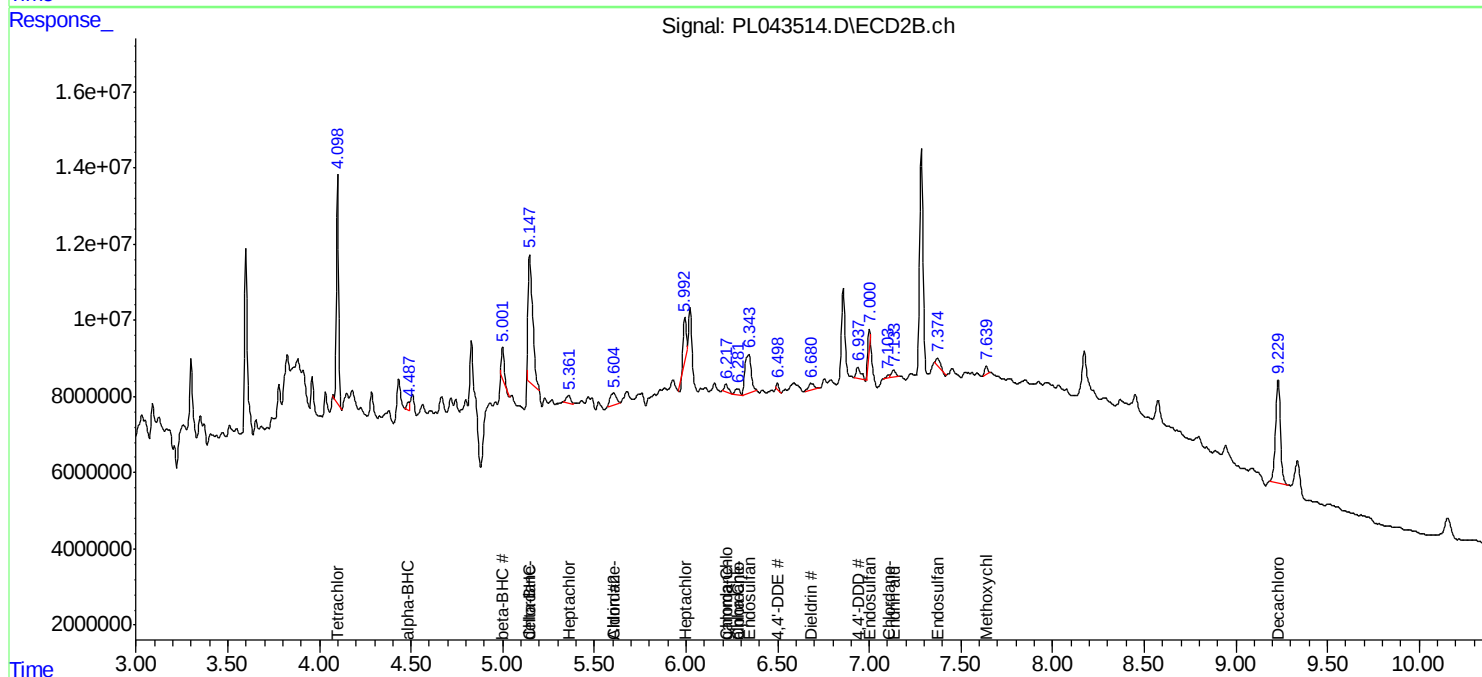
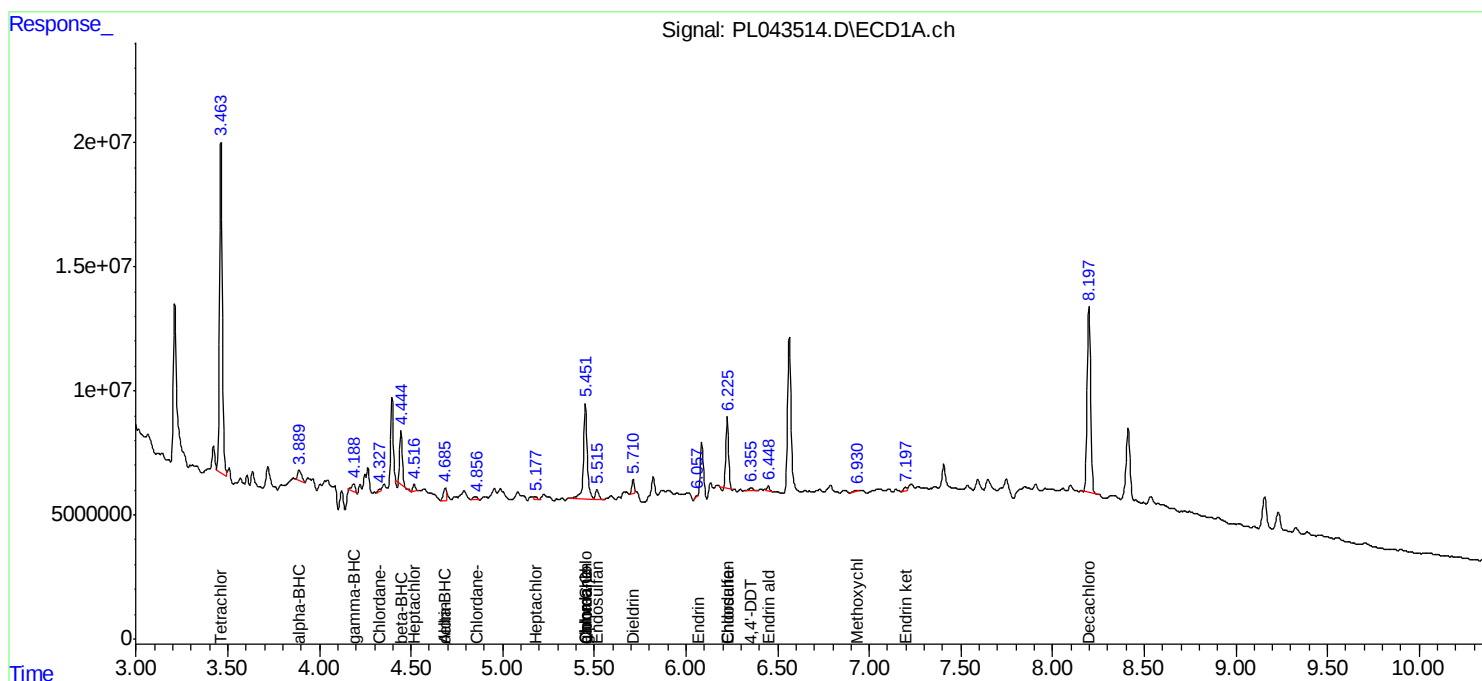
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

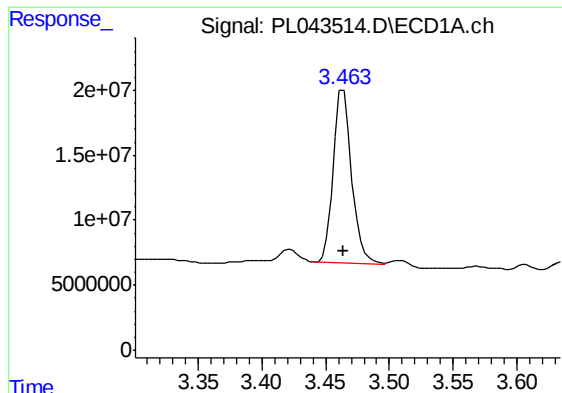
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122818\  
Data File : PL043514.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Dec 2018 19:07  
Operator : AJ\SJ  
Sample : J6584-01  
Misc :  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampled :  
ENGINE-WASH

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Dec 28 22:35:40 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL120618.M  
Quant Title : GC Extractables  
QLast Update : Fri Dec 07 00:20:08 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

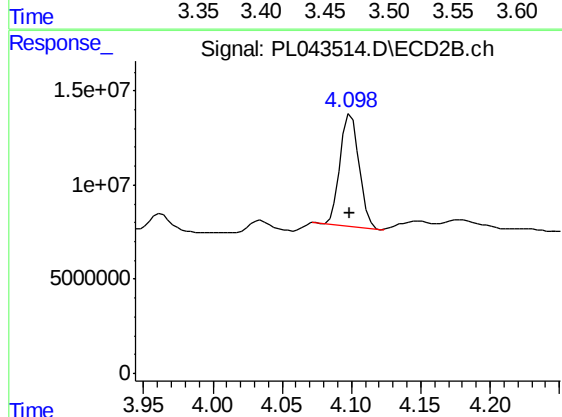




#1 Tetrachloro-m-xylene

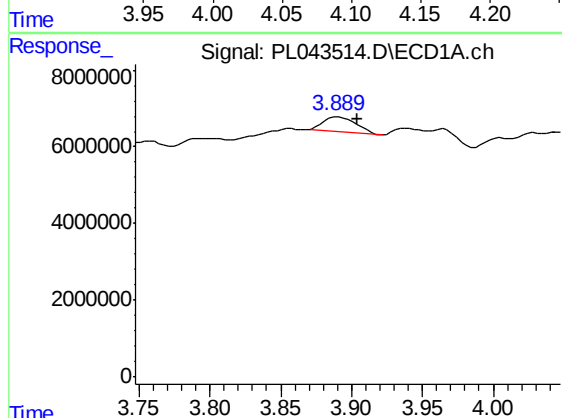
R.T.: 3.464 min  
Delta R.T.: 0.000 min  
Response: 134451589  
Conc: 21.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



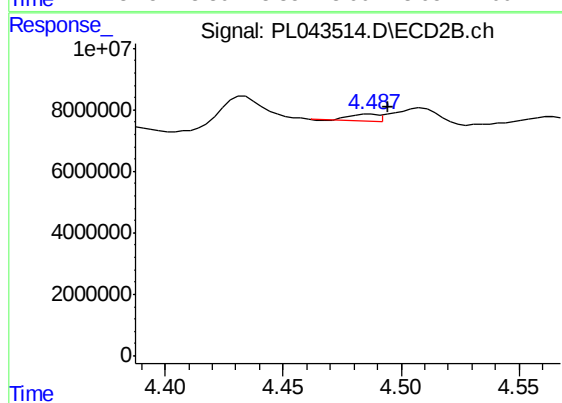
#1 Tetrachloro-m-xylene

R.T.: 4.100 min  
Delta R.T.: 0.000 min  
Response: 57307651  
Conc: 19.34 ng/ml



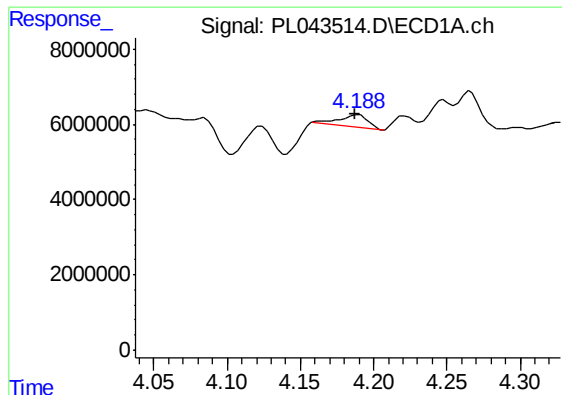
#2 alpha-BHC

R.T.: 3.891 min  
Delta R.T.: -0.013 min  
Response: 6271658  
Conc: 0.66 ng/ml



#2 alpha-BHC

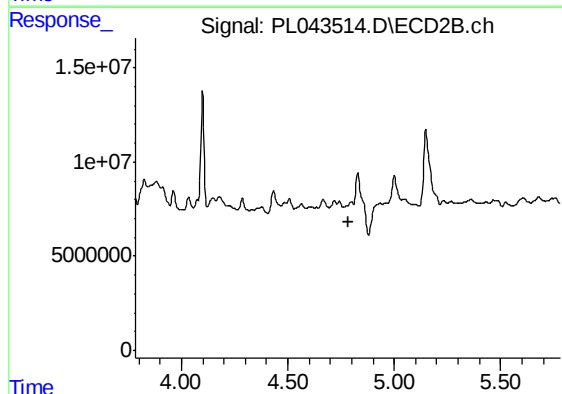
R.T.: 4.487 min  
Delta R.T.: -0.008 min  
Response: 1798821  
Conc: 0.40 ng/ml



#3 gamma-BHC (Lindane)

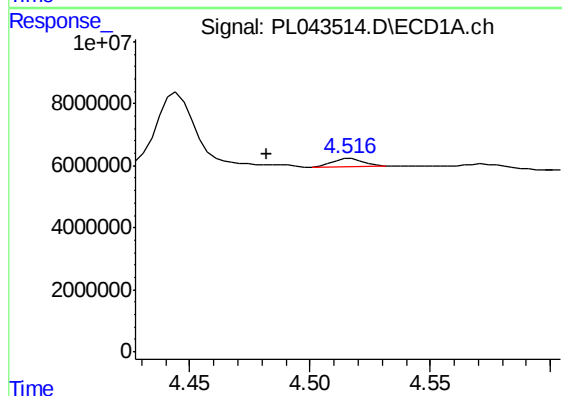
R.T.: 4.190 min  
Delta R.T.: 0.003 min  
Response: 4425408  
Conc: 0.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



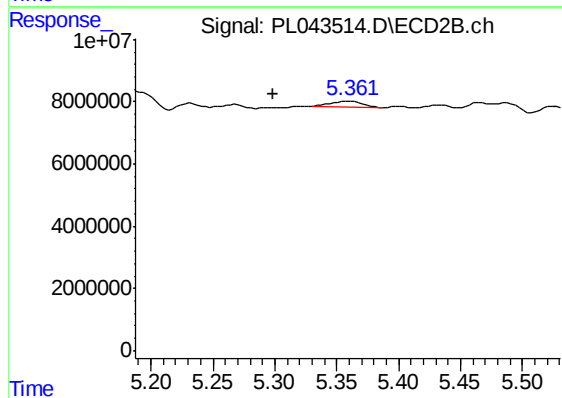
#3 gamma-BHC (Lindane)

R.T.: 4.799 min  
Delta R.T.: 0.016 min  
Response: -791730  
Conc: N.D.



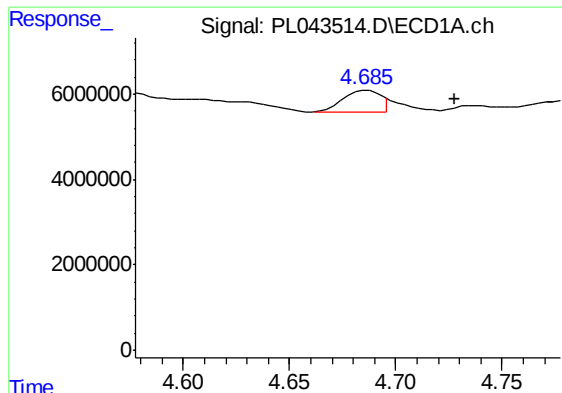
#4 Heptachlor

R.T.: 4.517 min  
Delta R.T.: 0.035 min  
Response: 1870266  
Conc: 0.21 ng/ml



#4 Heptachlor

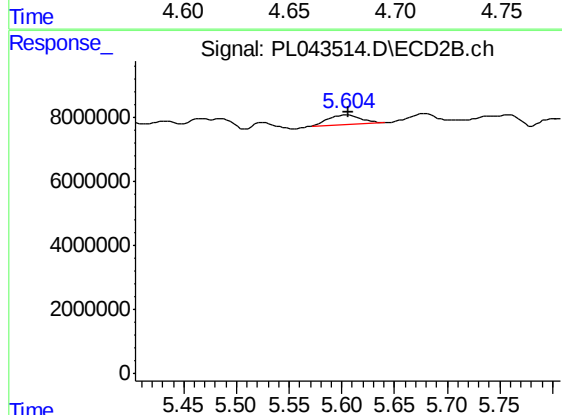
R.T.: 5.362 min  
Delta R.T.: 0.064 min  
Response: 3475602  
Conc: 0.85 ng/ml



#5 Aldrin

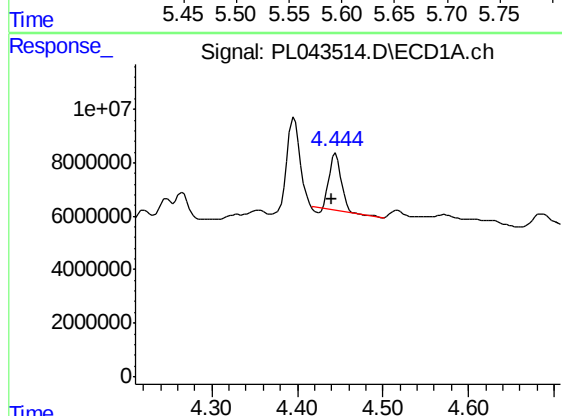
R.T.: 4.686 min  
Delta R.T.: -0.042 min  
Response: 5961413  
Conc: 0.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



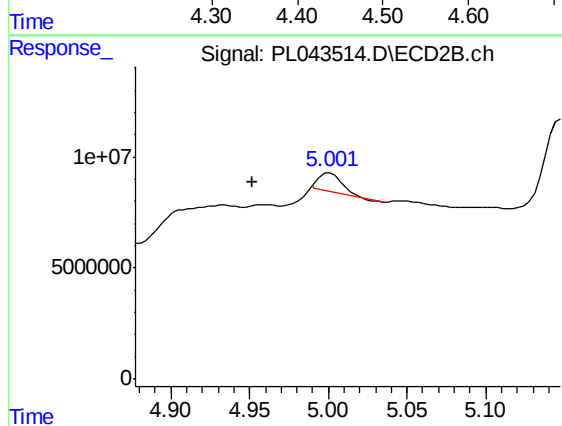
#5 Aldrin

R.T.: 5.606 min  
Delta R.T.: -0.001 min  
Response: 6821279  
Conc: 1.67 ng/ml



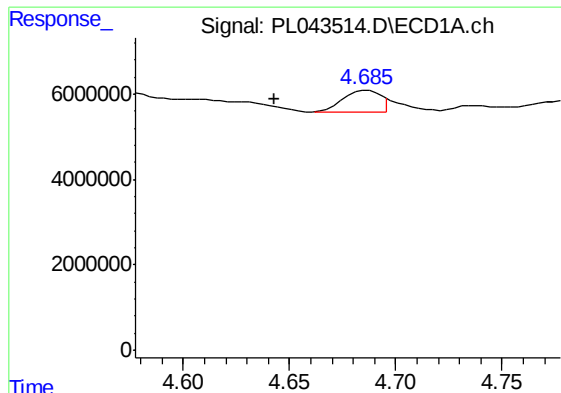
#6 beta-BHC

R.T.: 4.445 min  
Delta R.T.: 0.004 min  
Response: 19453861  
Conc: 5.27 ng/ml



#6 beta-BHC

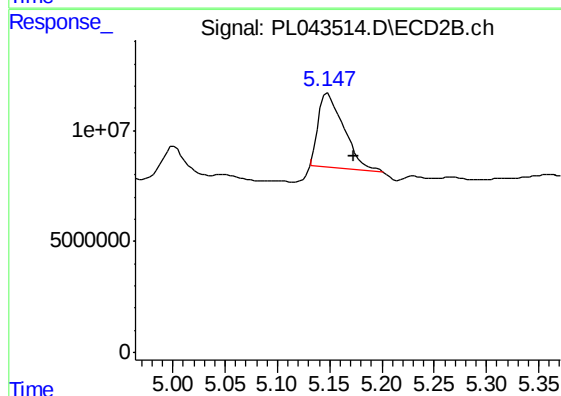
R.T.: 5.001 min  
Delta R.T.: 0.049 min  
Response: 8263442  
Conc: 4.88 ng/ml



#7 delta-BHC

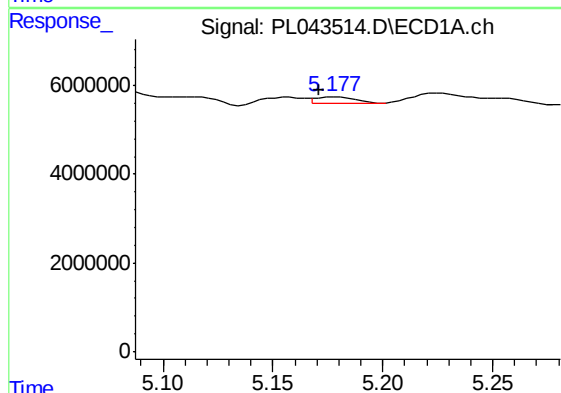
R.T.: 4.686 min  
Delta R.T.: 0.044 min  
Response: 5961413  
Conc: 0.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



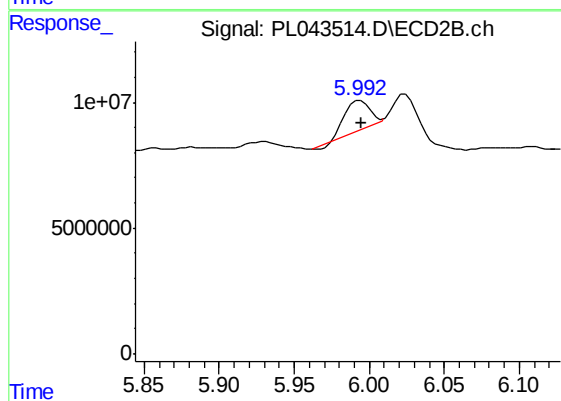
#7 delta-BHC

R.T.: 5.148 min  
Delta R.T.: -0.024 min  
Response: 56774266  
Conc: 13.21 ng/ml



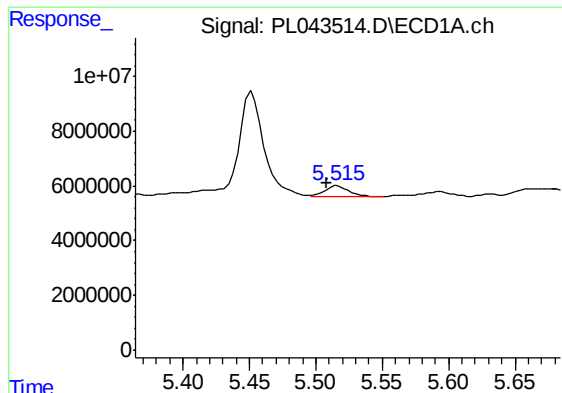
#8 Heptachlor epoxide

R.T.: 5.178 min  
Delta R.T.: 0.007 min  
Response: 1700314  
Conc: 0.21 ng/ml



#8 Heptachlor epoxide

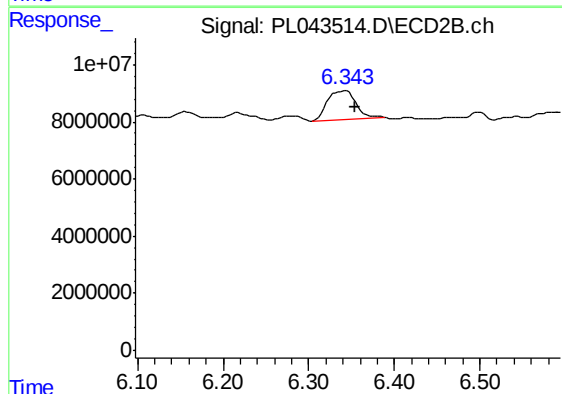
R.T.: 5.994 min  
Delta R.T.: 0.000 min  
Response: 12647876  
Conc: 3.34 ng/ml



#9 Endosulfan I

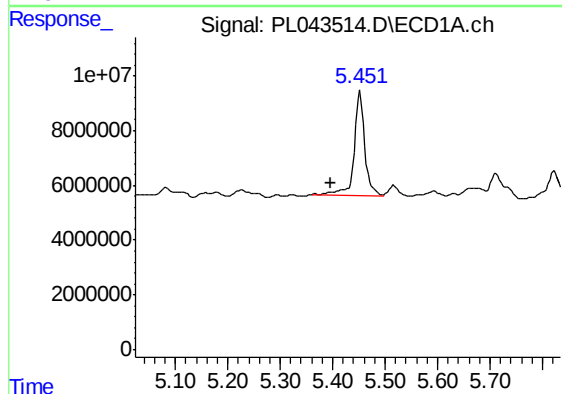
R.T.: 5.516 min  
Delta R.T.: 0.008 min  
Response: 4969953  
Conc: 0.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



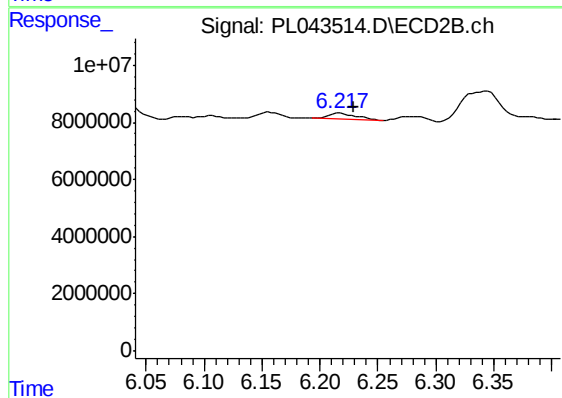
#9 Endosulfan I

R.T.: 6.344 min  
Delta R.T.: -0.010 min  
Response: 23075641  
Conc: 6.80 ng/ml



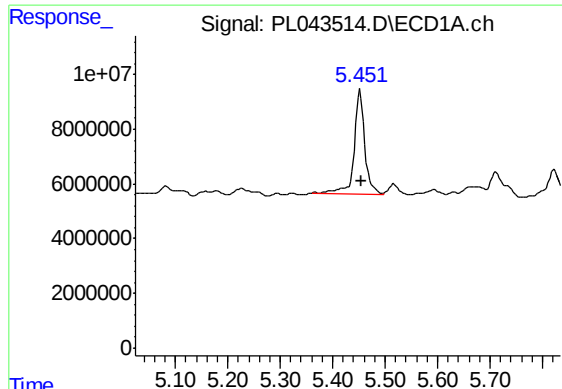
#10 gamma-Chlordane

R.T.: 5.452 min  
Delta R.T.: 0.056 min  
Response: 52777571  
Conc: 6.55 ng/ml



#10 gamma-Chlordane

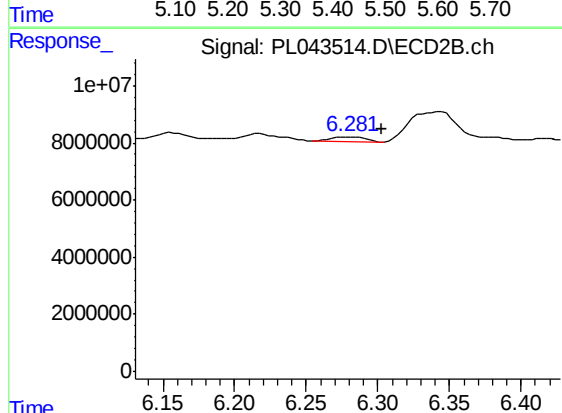
R.T.: 6.218 min  
Delta R.T.: -0.012 min  
Response: 3683811  
Conc: 1.00 ng/ml



#11 alpha-Chlordane

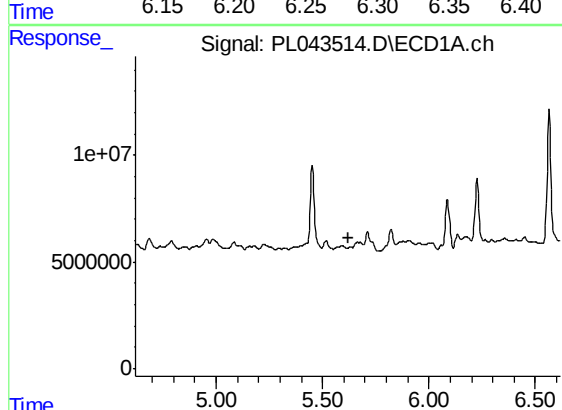
R.T.: 5.452 min  
Delta R.T.: -0.002 min  
Response: 52777571  
Conc: 6.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



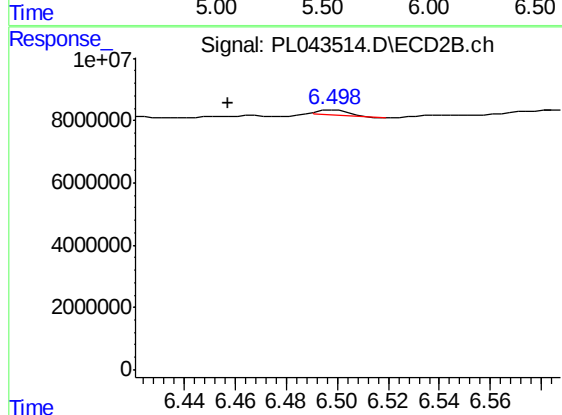
#11 alpha-Chlordane

R.T.: 6.281 min  
Delta R.T.: -0.022 min  
Response: 2910925  
Conc: 0.81 ng/ml



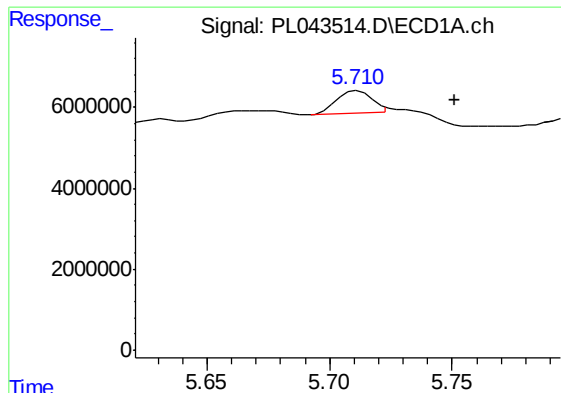
#12 4,4'-DDE

R.T.: 0.000 min  
Exp R.T. : 5.620 min  
Response: 0  
Conc: N.D.



#12 4,4'-DDE

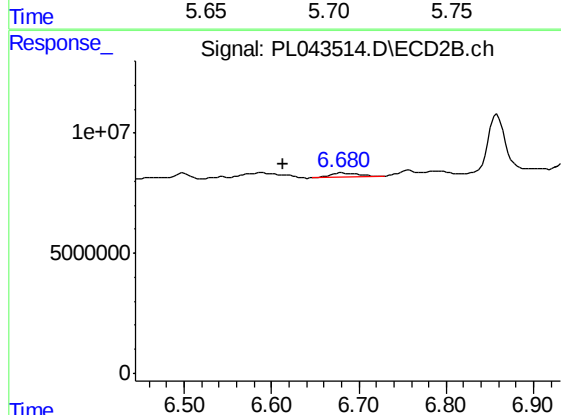
R.T.: 6.499 min  
Delta R.T.: 0.042 min  
Response: 1290915  
Conc: 0.36 ng/ml



#13 Dielddrin

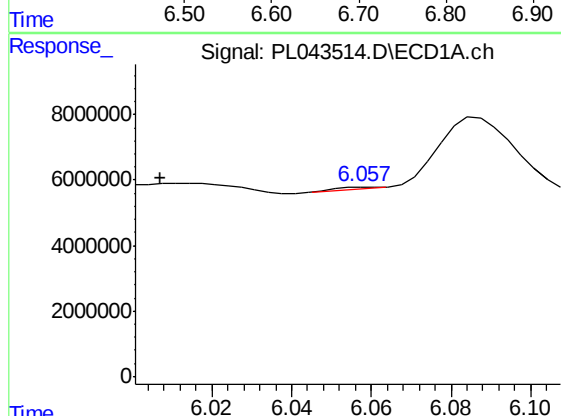
R.T.: 5.712 min  
Delta R.T.: -0.039 min  
Response: 5483539  
Conc: 0.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



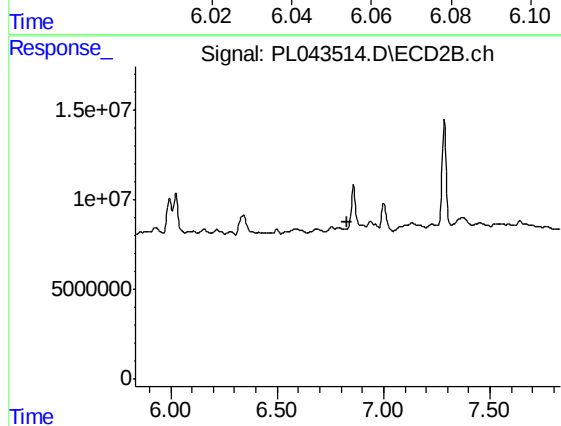
#13 Dielddrin

R.T.: 6.681 min  
Delta R.T.: 0.068 min  
Response: 3989944  
Conc: 1.10 ng/ml



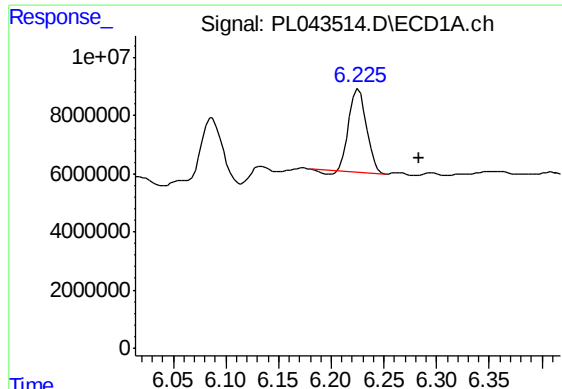
#14 Endrin

R.T.: 6.059 min  
Delta R.T.: 0.052 min  
Response: 483153  
Conc: 0.07 ng/ml



#14 Endrin

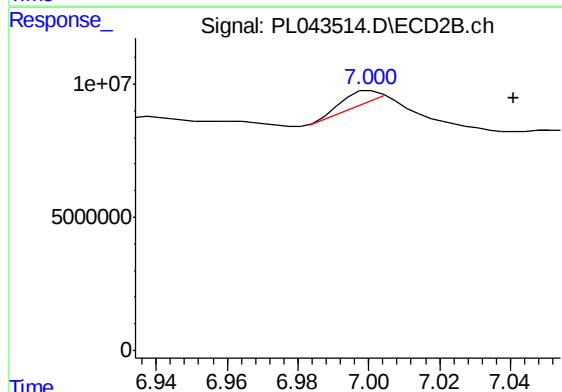
R.T.: 6.858 min  
Delta R.T.: 0.026 min  
Response: -4033537  
Conc: N.D.



#15 Endosulfan II

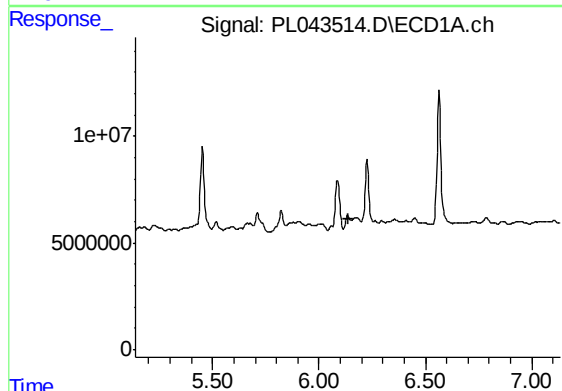
R.T.: 6.226 min  
Delta R.T.: -0.057 min  
Response: 32435243  
Conc: 4.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



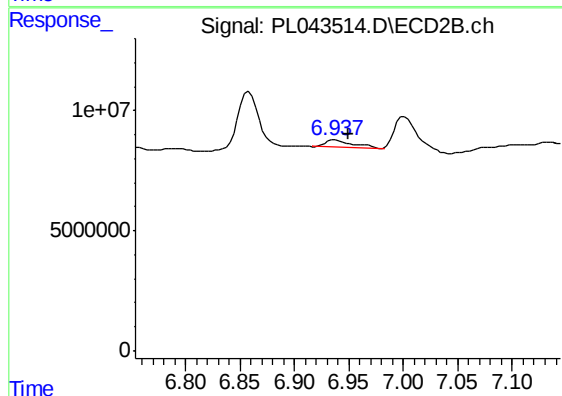
#15 Endosulfan II

R.T.: 7.001 min  
Delta R.T.: -0.040 min  
Response: 4970191  
Conc: 1.64 ng/ml



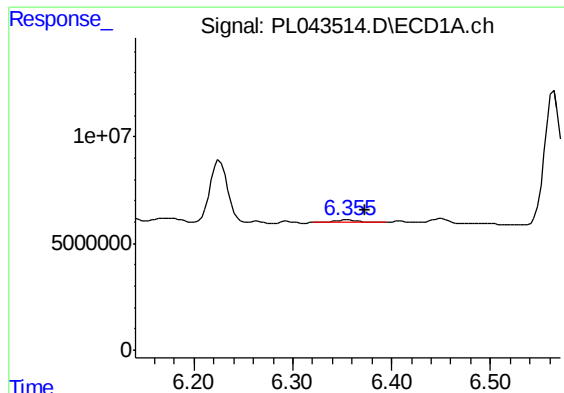
#16 4,4'-DDD

R.T.: 6.134 min  
Delta R.T.: -0.002 min  
Response: -8068582  
Conc: N.D.



#16 4,4'-DDD

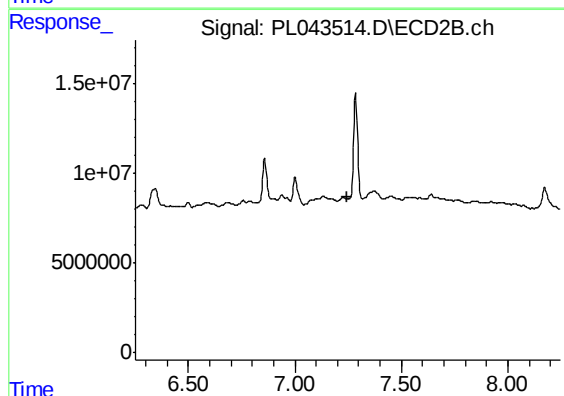
R.T.: 6.938 min  
Delta R.T.: -0.011 min  
Response: 4777205  
Conc: 1.63 ng/ml



#17 4,4'-DDT

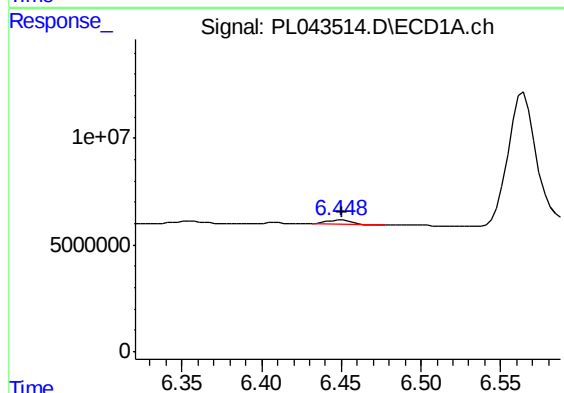
R.T.: 6.356 min  
Delta R.T.: -0.017 min  
Response: 1738012  
Conc: 0.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



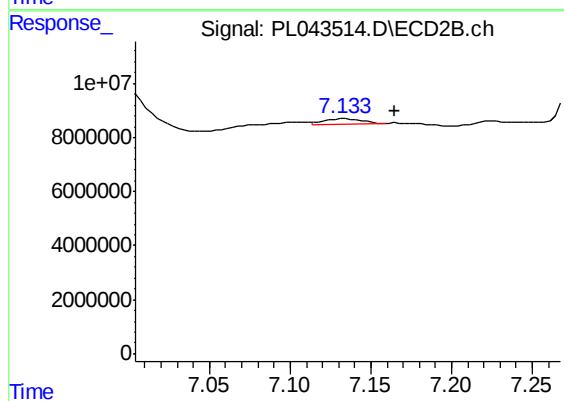
#17 4,4'-DDT

R.T.: 0.000 min  
Exp R.T. : 7.249 min  
Response: 0  
Conc: N.D.



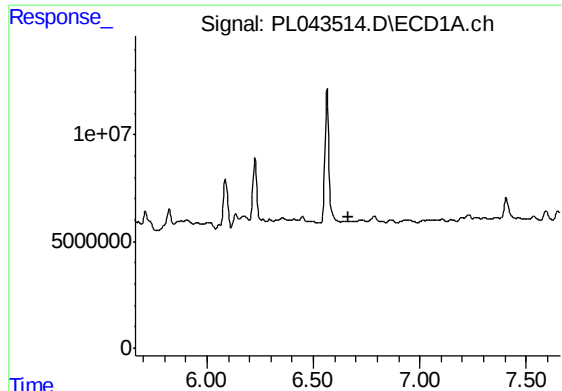
#18 Endrin aldehyde

R.T.: 6.450 min  
Delta R.T.: 0.000 min  
Response: 2404823  
Conc: 0.44 ng/ml



#18 Endrin aldehyde

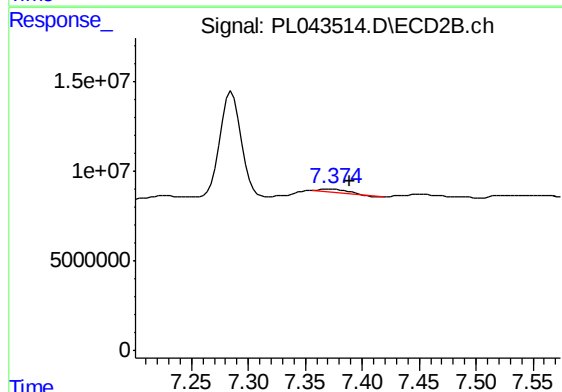
R.T.: 7.134 min  
Delta R.T.: -0.031 min  
Response: 2916736  
Conc: 1.16 ng/ml



#19 Endosulfan Sulfate

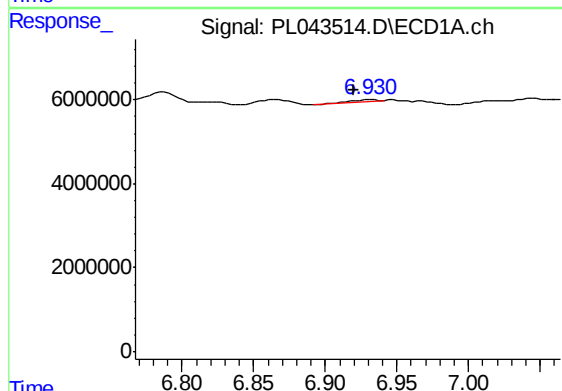
R.T.: 0.000 min  
Exp R.T.: 6.663 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



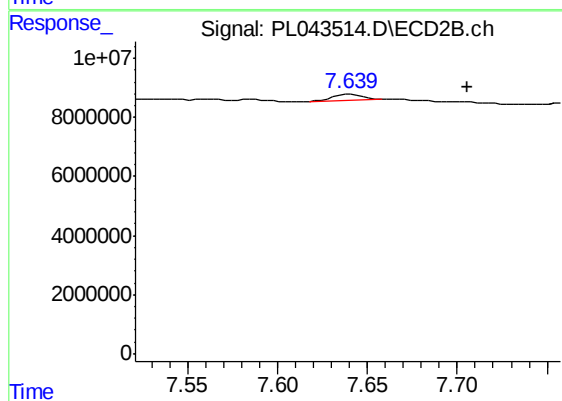
#19 Endosulfan Sulfate

R.T.: 7.373 min  
Delta R.T.: -0.016 min  
Response: 2672542  
Conc: 0.89 ng/ml



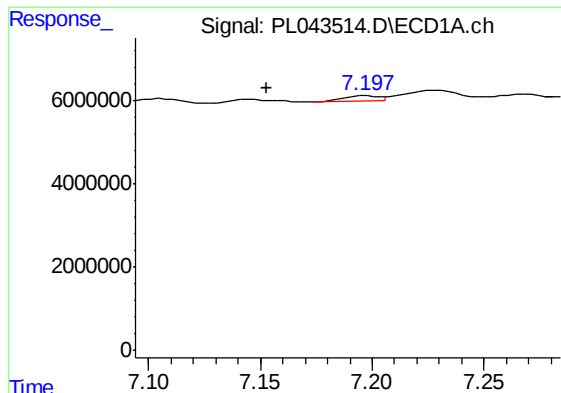
#20 Methoxychlor

R.T.: 6.931 min  
Delta R.T.: 0.011 min  
Response: 327012  
Conc: 0.10 ng/ml



#20 Methoxychlor

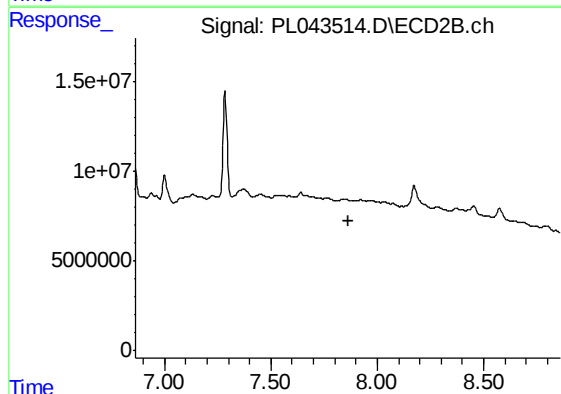
R.T.: 7.641 min  
Delta R.T.: -0.065 min  
Response: 2391157  
Conc: 1.59 ng/ml



#21 Endrin ketone

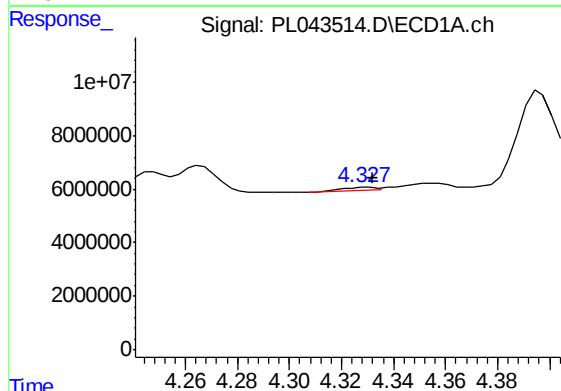
R.T.: 7.198 min  
Delta R.T.: 0.045 min  
Response: 1511324  
Conc: 0.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



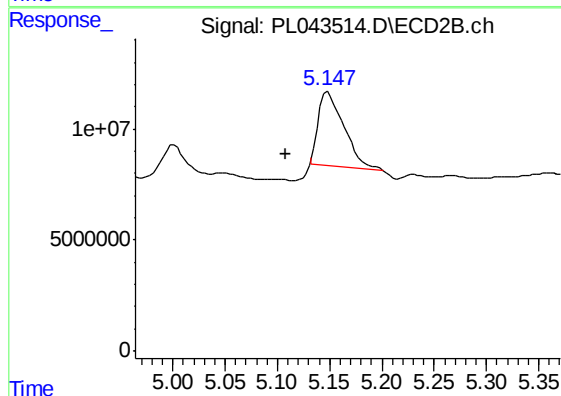
#21 Endrin ketone

R.T.: 0.000 min  
Exp R.T. : 7.863 min  
Response: 0  
Conc: N.D.



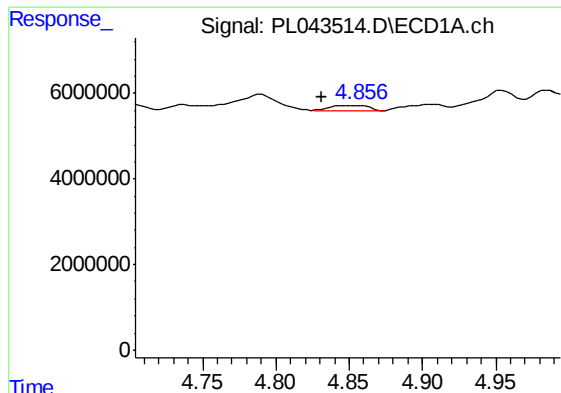
#23 Chlordane-1

R.T.: 4.329 min  
Delta R.T.: -0.003 min  
Response: 1030364  
Conc: 3.83 ng/ml



#23 Chlordane-1

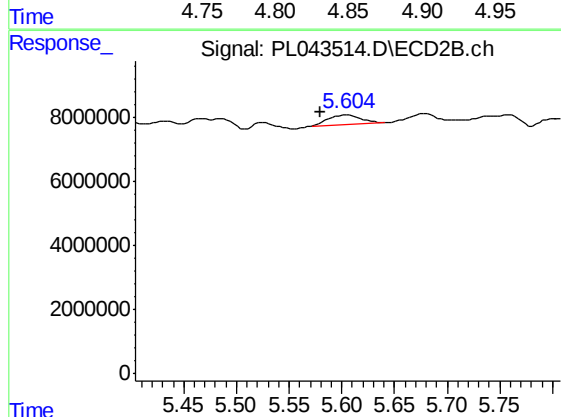
R.T.: 5.148 min  
Delta R.T.: 0.040 min  
Response: 56774266  
Conc: 401.71 ng/ml



#24 Chlordane-2

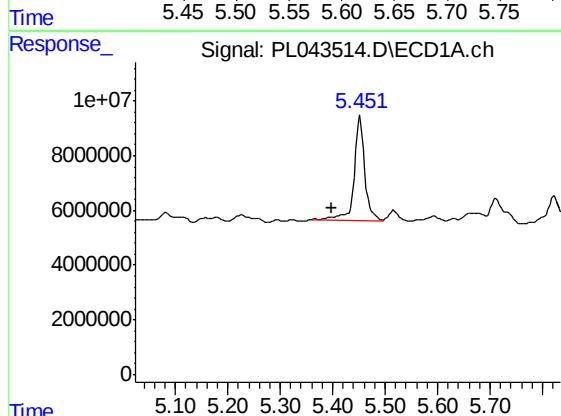
R.T.: 4.858 min  
Delta R.T.: 0.026 min  
Response: 2054488  
Conc: 7.16 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



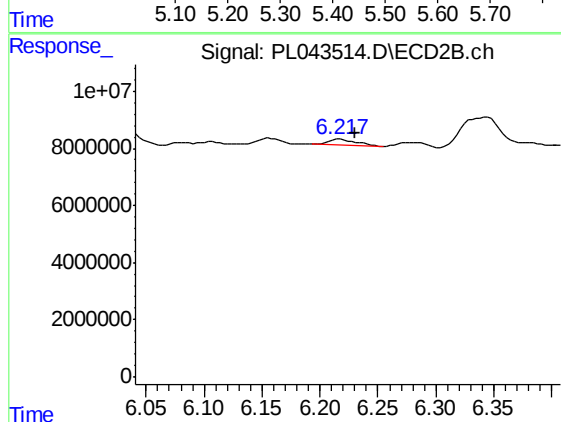
#24 Chlordane-2

R.T.: 5.606 min  
Delta R.T.: 0.027 min  
Response: 6821279  
Conc: 47.55 ng/ml



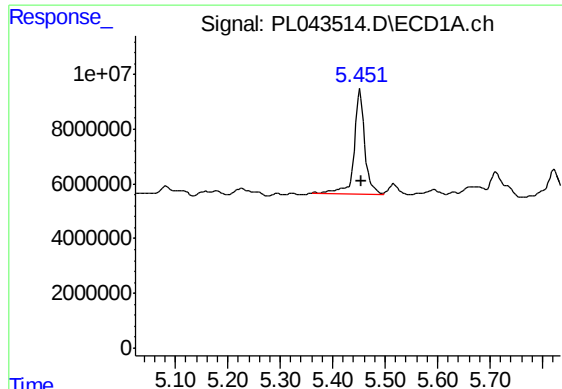
#25 Chlordane-3

R.T.: 5.452 min  
Delta R.T.: 0.054 min  
Response: 52777571  
Conc: 63.51 ng/ml



#25 Chlordane-3

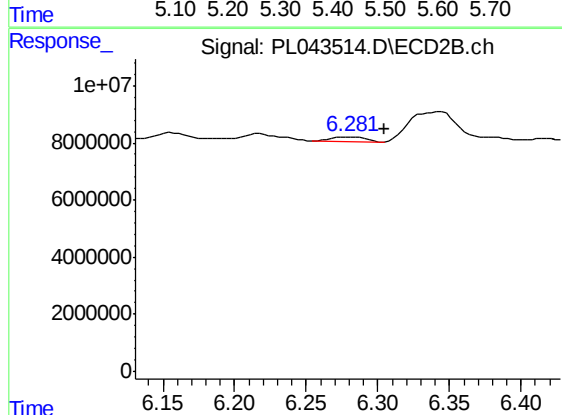
R.T.: 6.218 min  
Delta R.T.: -0.012 min  
Response: 3683811  
Conc: 7.50 ng/ml



#26 Chlordane-4

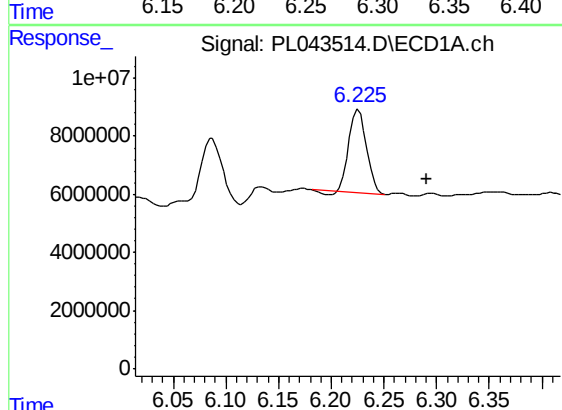
R.T.: 5.452 min  
Delta R.T.: -0.003 min  
Response: 52777571  
Conc: 69.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



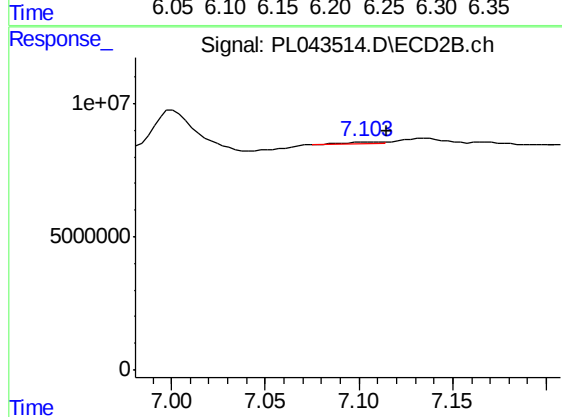
#26 Chlordane-4

R.T.: 6.281 min  
Delta R.T.: -0.024 min  
Response: 2910925  
Conc: 5.10 ng/ml



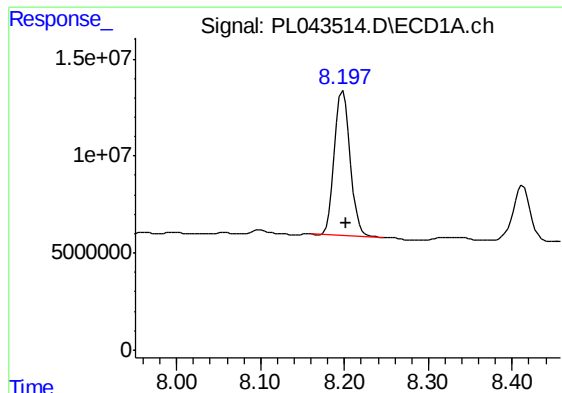
#27 Chlordane-5

R.T.: 6.226 min  
Delta R.T.: -0.064 min  
Response: 32435243  
Conc: 135.23 ng/ml



#27 Chlordane-5

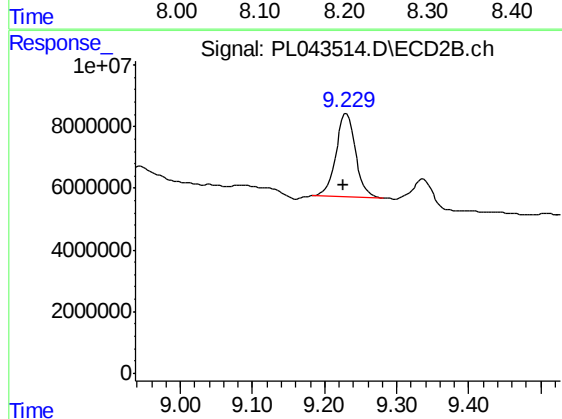
R.T.: 7.104 min  
Delta R.T.: -0.011 min  
Response: 1229299  
Conc: 10.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.198 min  
Delta R.T.: -0.003 min  
Response: 97398869  
Conc: 14.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
ENGINE-WASH



#28 Decachlorobiphenyl

R.T.: 9.231 min  
Delta R.T.: 0.004 min  
Response: 51071962  
Conc: 19.58 ng/ml