

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041619\  
 Data File : PL047473.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Apr 2019 00:11  
 Operator : AJ\SJ  
 Sample : K2203-10MSD  
 Misc :  
 ALS Vial : 48 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SU-01-041519-AMSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 17 02:13:33 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 22 13:40:08 2019  
 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... | 3.356  | 3.975  | 133.5E6 | 46346202 | 18.352   | 20.242     |
| 28)                         | SA Decachlor... | 8.031  | 9.026  | 176.3E6 | 52691724 | 20.956   | 22.727     |
| Target Compounds            |                 |        |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.785  | 4.364  | 670.2E6 | 194.7E6  | 57.466   | 60.590     |
| 3)                          | MA gamma-BHC... | 4.062  | 4.649  | 606.5E6 | 183.2E6  | 56.448   | 61.209     |
| 4)                          | MA Heptachlor   | 4.349  | 5.155  | 629.1E6 | 180.9E6  | 57.061   | 58.804     |
| 5)                          | MB Aldrin       | 4.589  | 5.458  | 594.0E6 | 171.8E6  | 57.590   | 59.981     |
| 6)                          | B beta-BHC      | 4.315  | 4.822  | 254.8E6 | 78233743 | 56.599   | 59.013     |
| 7)                          | B delta-BHC     | 4.511  | 5.037  | 514.4E6 | 140.6E6  | 50.810   | 60.584     |
| 8)                          | B Heptachlor... | 5.025  | 5.845  | 570.0E6 | 163.3E6  | 58.439   | 61.919     |
| 9)                          | A Endosulfan I  | 5.357  | 6.201  | 539.9E6 | 155.3E6  | 57.425   | 59.490     |
| 10)                         | B gamma-Chl...  | 5.248  | 6.078  | 585.2E6 | 169.3E6  | 56.965   | 59.652     |
| 11)                         | B alpha-Chl...  | 5.305  | 6.151  | 570.8E6 | 167.2E6  | 56.302   | 58.946     |
| 12)                         | B 4,4'-DDE      | 5.471  | 6.309  | 508.9E6 | 149.9E6  | 55.271   | 60.369     |
| 13)                         | MA Dieldrin     | 5.597  | 6.457  | 580.1E6 | 160.0E6  | 57.808   | 59.023     |
| 14)                         | MA Endrin       | 5.850  | 6.675  | 542.7E6 | 144.5E6  | 57.618   | 60.450     |
| 15)                         | B Endosulfa...  | 6.124  | 6.885  | 504.4E6 | 140.9E6  | 56.295   | 58.385     |
| 16)                         | A 4,4'-DDD      | 5.983  | 6.799  | 440.0E6 | 122.0E6  | 58.212   | 60.649     |
| 17)                         | MA 4,4'-DDT     | 6.217  | 7.097  | 440.8E6 | 121.6E6  | 58.200   | 58.003     |
| 18)                         | B Endrin al...  | 6.291  | 7.009  | 412.3E6 | 120.0E6  | 55.012   | 56.477     |
| 19)                         | B Endosulfa...  | 6.502  | 7.232  | 479.2E6 | 137.2E6  | 58.353   | 58.140     |
| 20)                         | A Methoxychlor  | 6.762  | 7.555  | 232.5E6 | 71615517 | 54.712   | 56.179     |
| 21)                         | B Endrin ke...  | 6.985  | 7.702  | 523.8E6 | 149.4E6  | 56.645   | 60.119     |
| 22)                         | Mirex           | 7.161  | 8.152  | 407.3E6 | 119.8E6  | 55.905   | 59.916     |
| 24)                         | Chlordane-2     | 0.000  | 5.458f | 0       | 171.8E6  | N.D.     | 1471.144 # |
| 25)                         | Chlordane-3     | 5.248  | 6.078  | 585.2E6 | 169.3E6  | 525.449  | 444.038    |
| 26)                         | Chlordane-4     | 5.305  | 6.151  | 570.8E6 | 167.2E6  | 552.042  | 362.375 #  |
| 27)                         | Chlordane-5     | 6.124f | 0.000  | 504.4E6 | 0        | 1477.980 | N.D. #     |
| -----                       |                 |        |        |         |          |          |            |

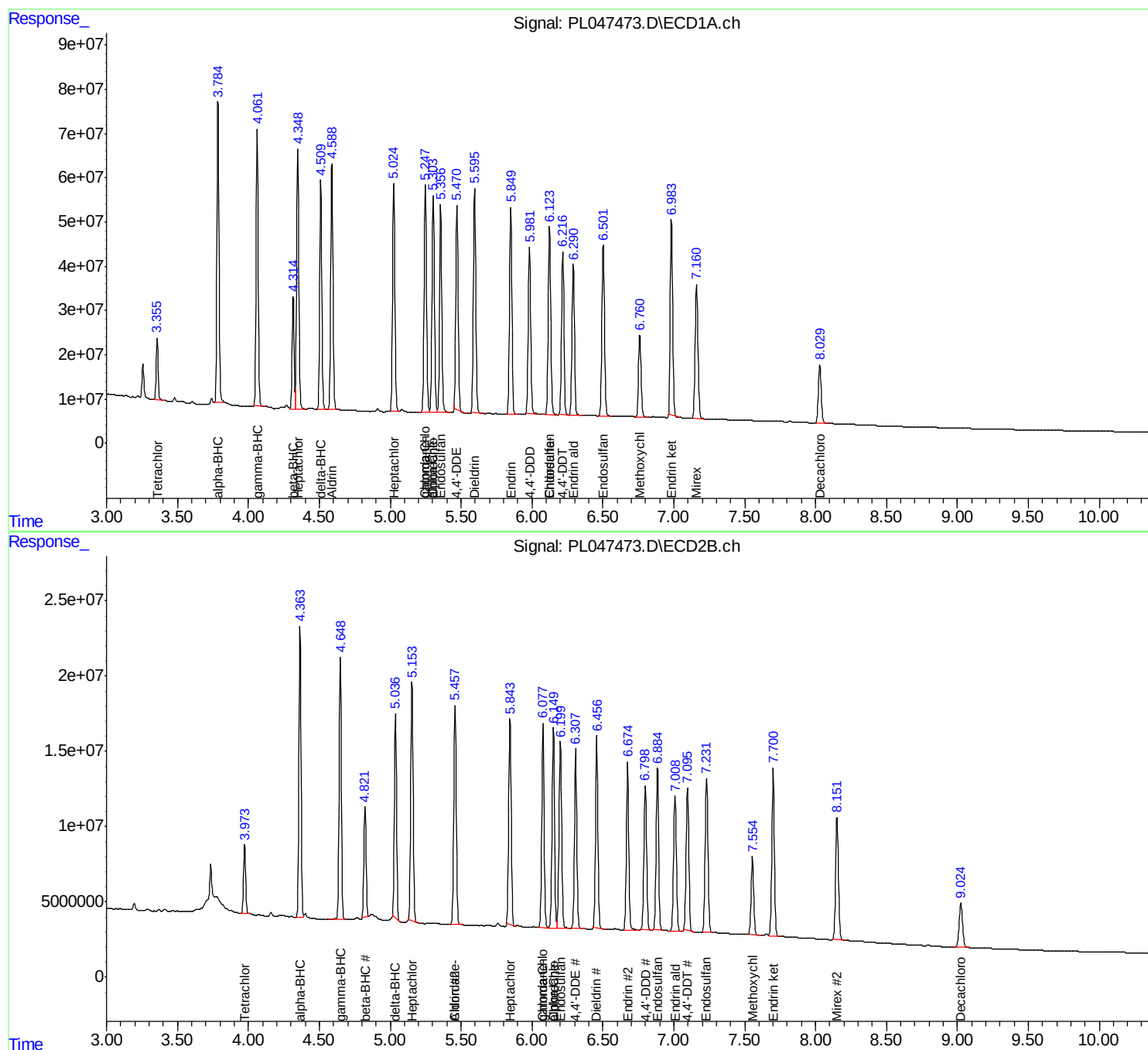
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

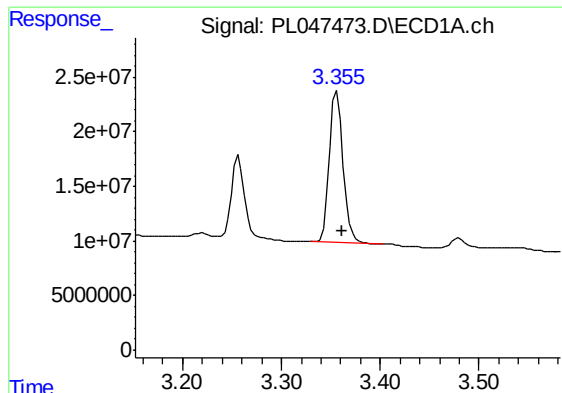
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041619\  
Data File : PL047473.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Apr 2019 00:11  
Operator : AJ\SJ  
Sample : K2203-10MSD  
Misc :  
ALS Vial : 48 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 17 02:13:33 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 22 13:40:08 2019  
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

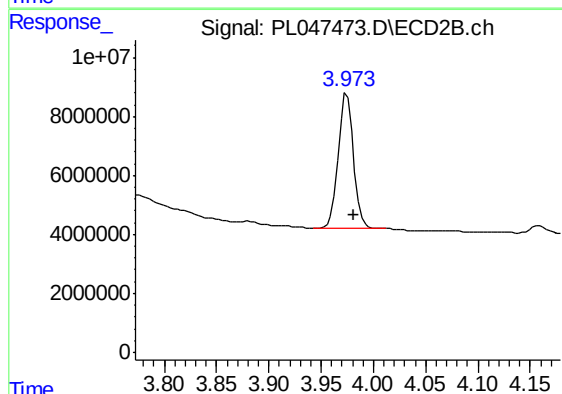




#1 Tetrachloro-m-xylene

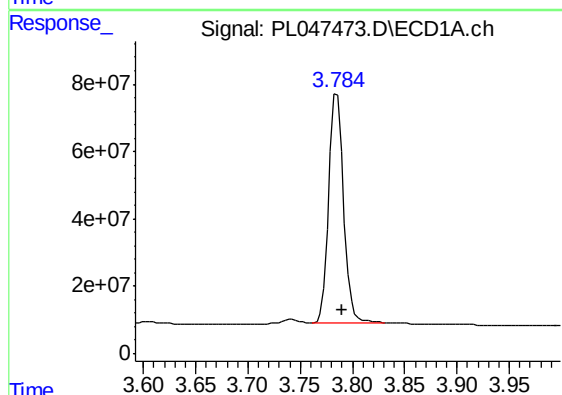
R.T.: 3.356 min  
Delta R.T.: -0.005 min  
Response: 133505030  
Conc: 18.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



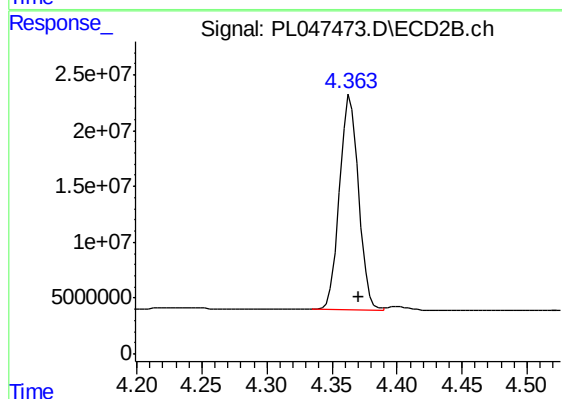
#1 Tetrachloro-m-xylene

R.T.: 3.975 min  
Delta R.T.: -0.006 min  
Response: 46346202  
Conc: 20.24 ng/ml



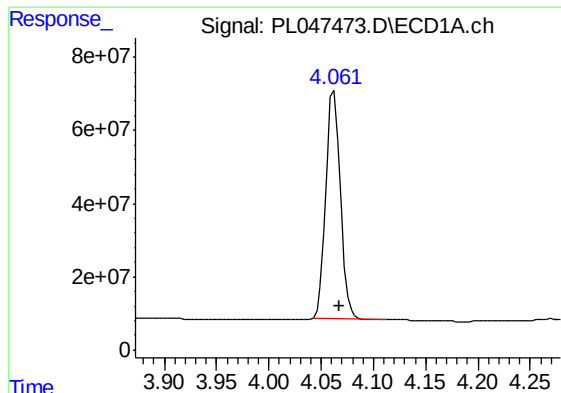
#2 alpha-BHC

R.T.: 3.785 min  
Delta R.T.: -0.005 min  
Response: 670165571  
Conc: 57.47 ng/ml



#2 alpha-BHC

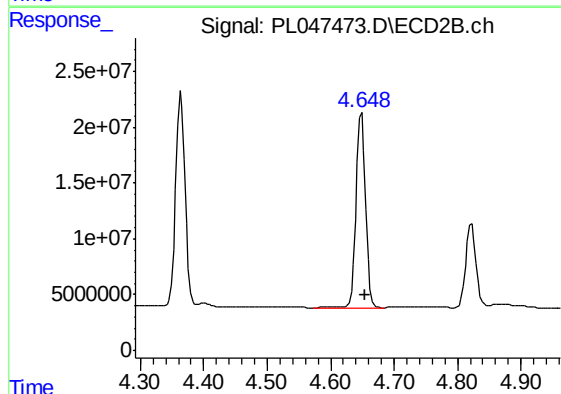
R.T.: 4.364 min  
Delta R.T.: -0.007 min  
Response: 194692560  
Conc: 60.59 ng/ml



#3 gamma-BHC (Lindane)

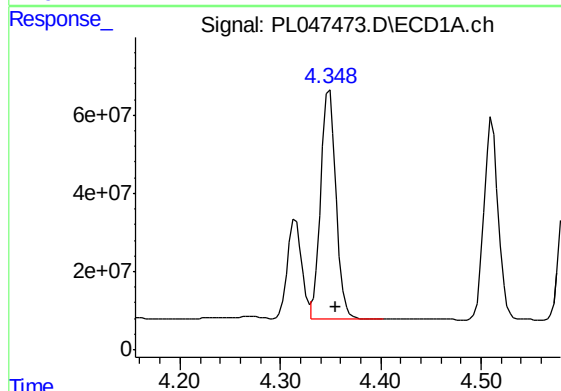
R.T.: 4.062 min  
Delta R.T.: -0.006 min  
Response: 606501878  
Conc: 56.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



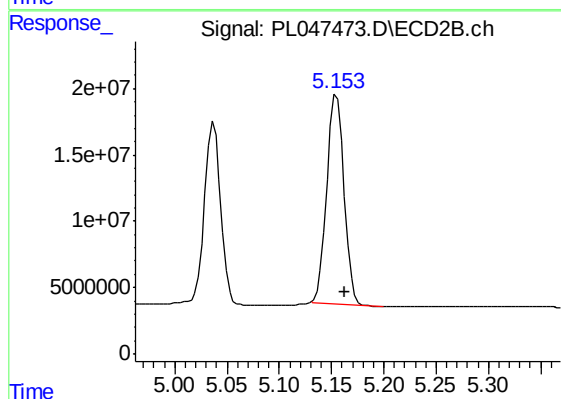
#3 gamma-BHC (Lindane)

R.T.: 4.649 min  
Delta R.T.: -0.007 min  
Response: 183199757  
Conc: 61.21 ng/ml



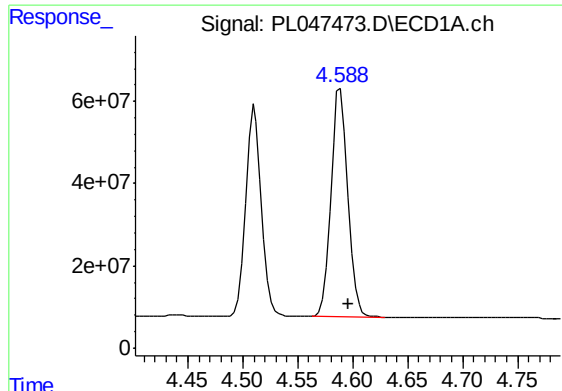
#4 Heptachlor

R.T.: 4.349 min  
Delta R.T.: -0.007 min  
Response: 629104415  
Conc: 57.06 ng/ml



#4 Heptachlor

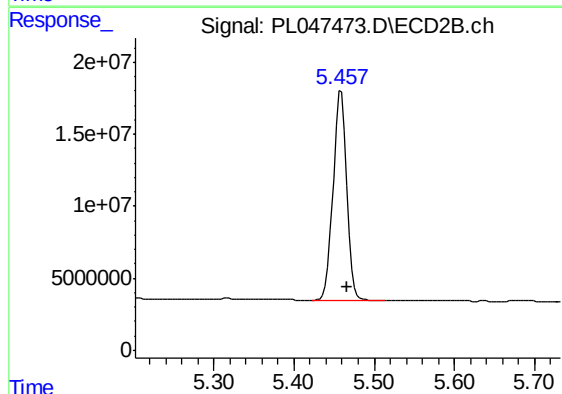
R.T.: 5.155 min  
Delta R.T.: -0.008 min  
Response: 180874474  
Conc: 58.80 ng/ml



#5 Aldrin

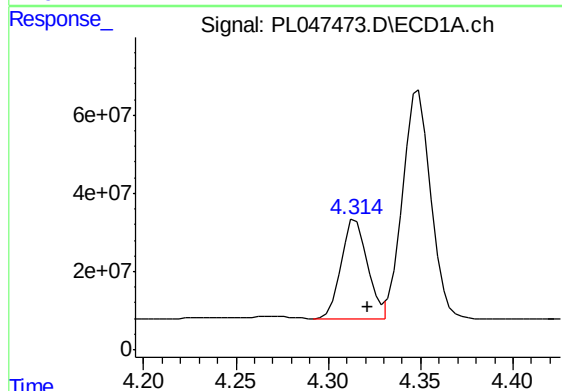
R.T.: 4.589 min  
Delta R.T.: -0.007 min  
Response: 594041388  
Conc: 57.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



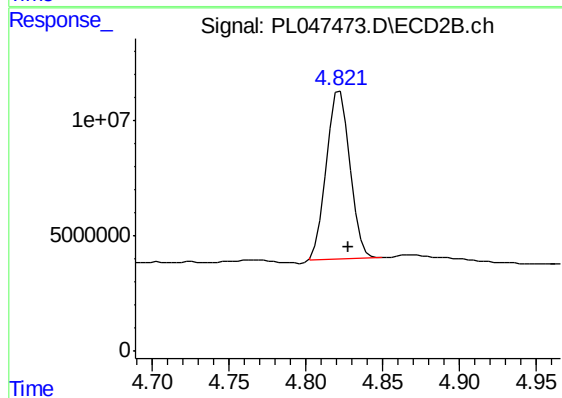
#5 Aldrin

R.T.: 5.458 min  
Delta R.T.: -0.008 min  
Response: 171843156  
Conc: 59.98 ng/ml



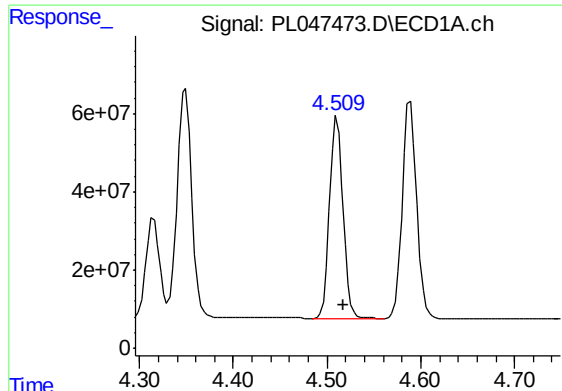
#6 beta-BHC

R.T.: 4.315 min  
Delta R.T.: -0.006 min  
Response: 254834140  
Conc: 56.60 ng/ml



#6 beta-BHC

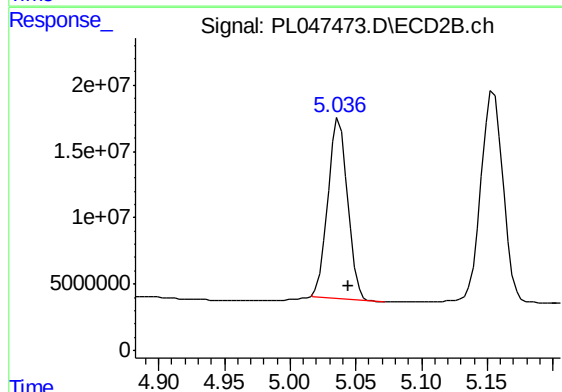
R.T.: 4.822 min  
Delta R.T.: -0.006 min  
Response: 78233743  
Conc: 59.01 ng/ml



#7 delta-BHC

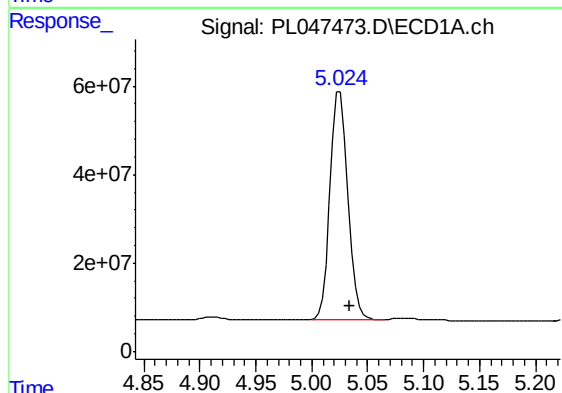
R.T.: 4.511 min  
Delta R.T.: -0.006 min  
Response: 514355606  
Conc: 50.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



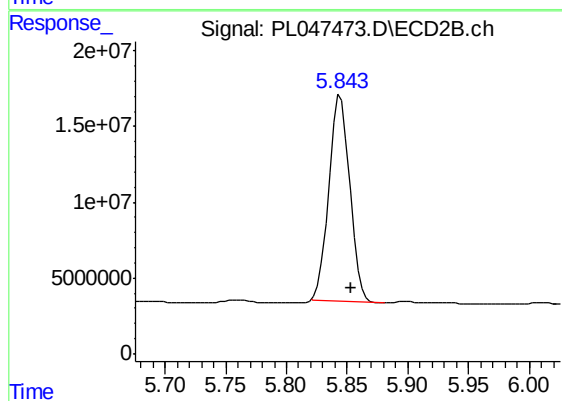
#7 delta-BHC

R.T.: 5.037 min  
Delta R.T.: -0.007 min  
Response: 140566385  
Conc: 60.58 ng/ml



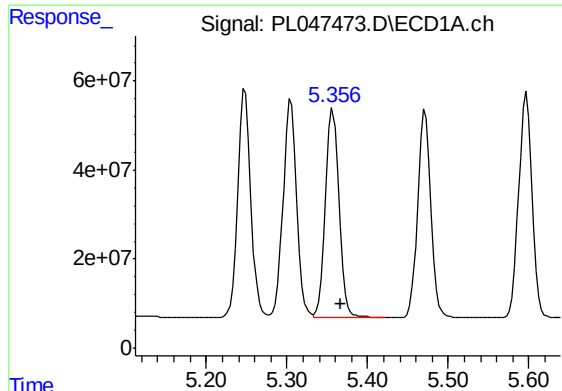
#8 Heptachlor epoxide

R.T.: 5.025 min  
Delta R.T.: -0.008 min  
Response: 569986410  
Conc: 58.44 ng/ml



#8 Heptachlor epoxide

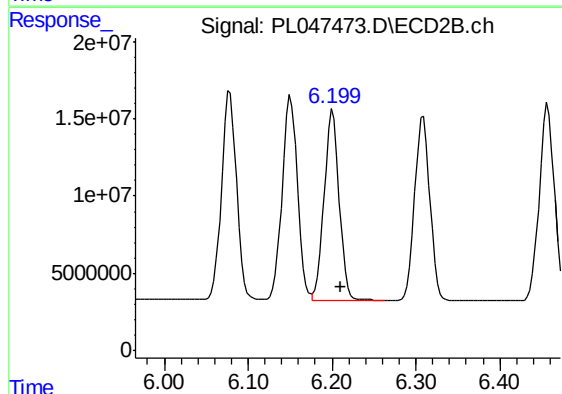
R.T.: 5.845 min  
Delta R.T.: -0.009 min  
Response: 163293142  
Conc: 61.92 ng/ml



#9 Endosulfan I

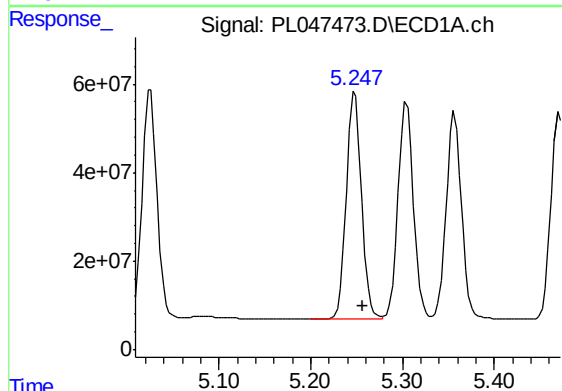
R.T.: 5.357 min  
Delta R.T.: -0.009 min  
Response: 53928180  
Conc: 57.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



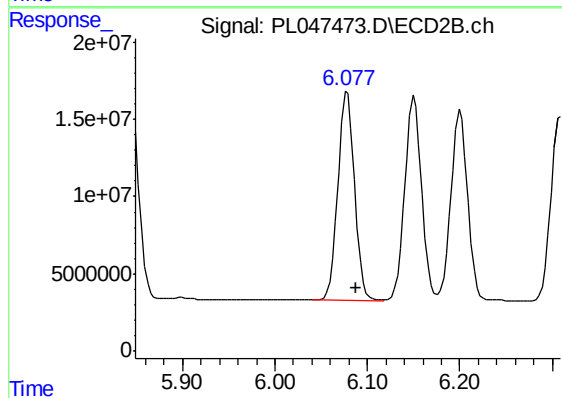
#9 Endosulfan I

R.T.: 6.201 min  
Delta R.T.: -0.009 min  
Response: 155261692  
Conc: 59.49 ng/ml



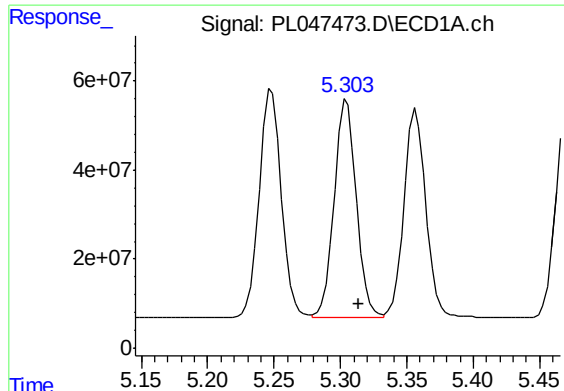
#10 gamma-Chlordane

R.T.: 5.248 min  
Delta R.T.: -0.009 min  
Response: 585177999  
Conc: 56.97 ng/ml



#10 gamma-Chlordane

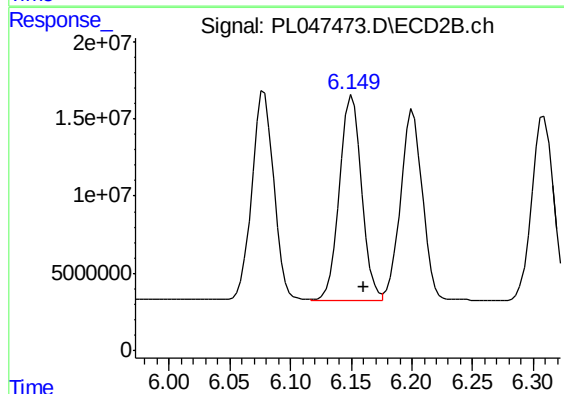
R.T.: 6.078 min  
Delta R.T.: -0.009 min  
Response: 169297492  
Conc: 59.65 ng/ml



#11 alpha-Chlordane

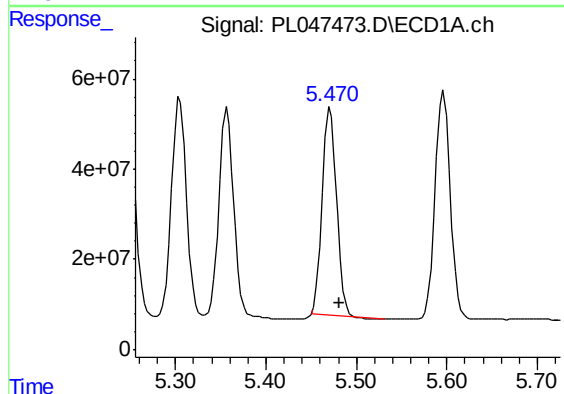
R.T.: 5.305 min  
Delta R.T.: -0.009 min  
Response: 570843876  
Conc: 56.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



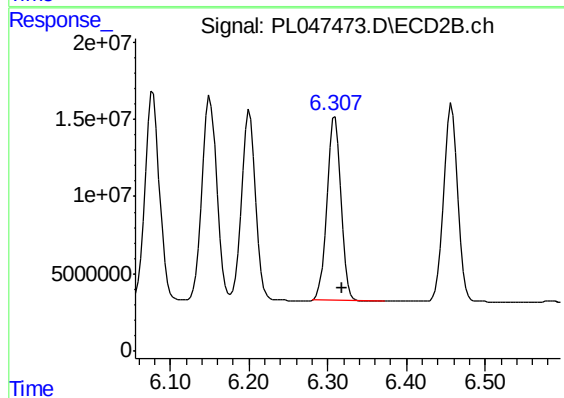
#11 alpha-Chlordane

R.T.: 6.151 min  
Delta R.T.: -0.009 min  
Response: 167208904  
Conc: 58.95 ng/ml



#12 4,4'-DDE

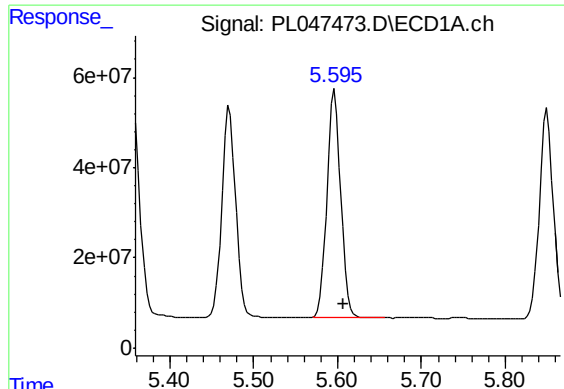
R.T.: 5.471 min  
Delta R.T.: -0.010 min  
Response: 508875413  
Conc: 55.27 ng/ml



#12 4,4'-DDE

R.T.: 6.309 min  
Delta R.T.: -0.009 min  
Response: 149855395  
Conc: 60.37 ng/ml

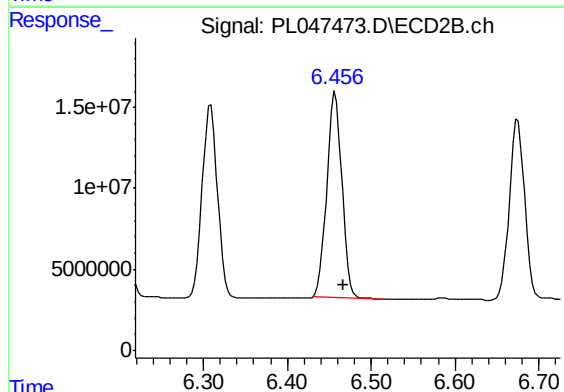




#13 Dielddrin

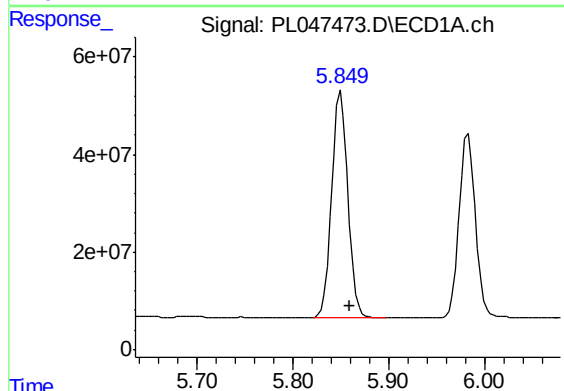
R.T.: 5.597 min  
Delta R.T.: -0.010 min  
Response: 580134573  
Conc: 57.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



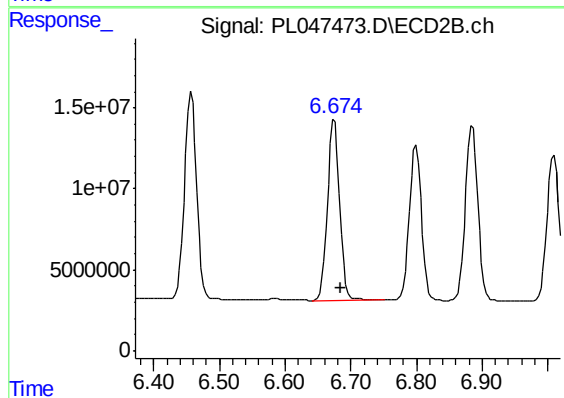
#13 Dielddrin

R.T.: 6.457 min  
Delta R.T.: -0.010 min  
Response: 159991247  
Conc: 59.02 ng/ml



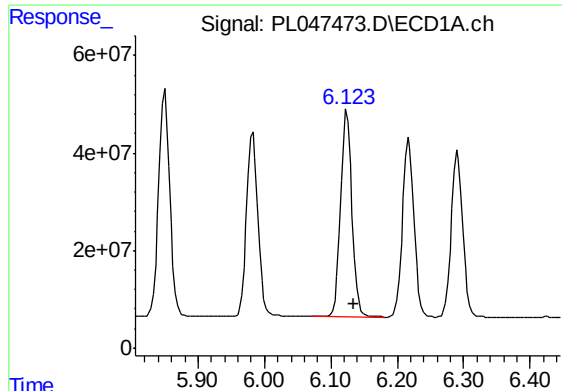
#14 Endrin

R.T.: 5.850 min  
Delta R.T.: -0.010 min  
Response: 542712931  
Conc: 57.62 ng/ml



#14 Endrin

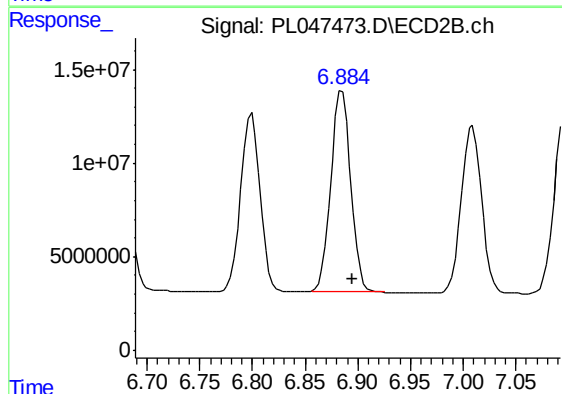
R.T.: 6.675 min  
Delta R.T.: -0.009 min  
Response: 144461184  
Conc: 60.45 ng/ml



#15 Endosulfan II

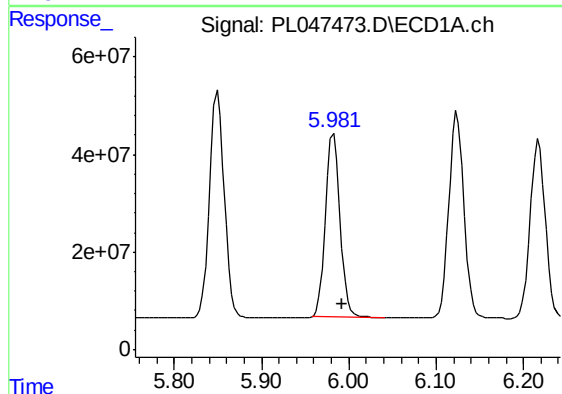
R.T.: 6.124 min  
Delta R.T.: -0.010 min  
Response: 504385744  
Conc: 56.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



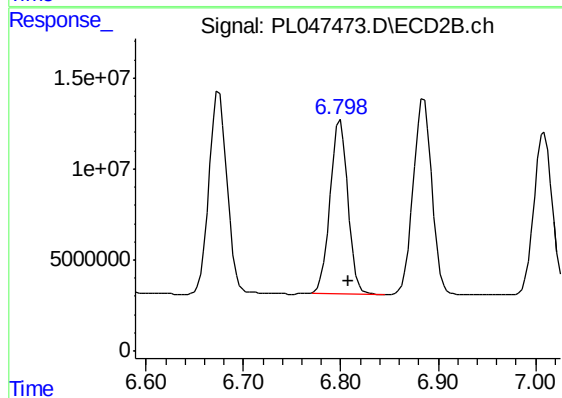
#15 Endosulfan II

R.T.: 6.885 min  
Delta R.T.: -0.009 min  
Response: 140876637  
Conc: 58.39 ng/ml



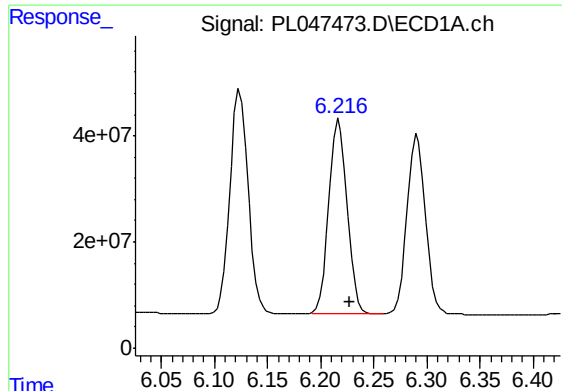
#16 4,4'-DDD

R.T.: 5.983 min  
Delta R.T.: -0.010 min  
Response: 440025596  
Conc: 58.21 ng/ml



#16 4,4'-DDD

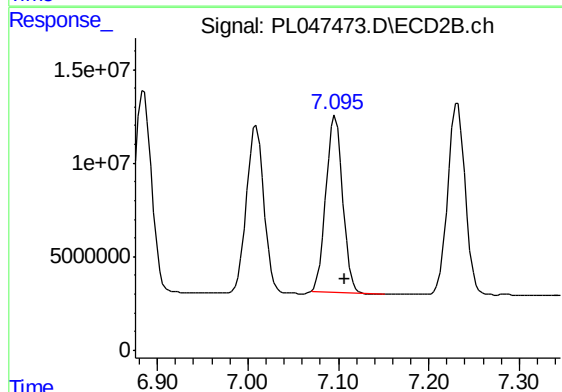
R.T.: 6.799 min  
Delta R.T.: -0.009 min  
Response: 122027038  
Conc: 60.65 ng/ml



#17 4,4'-DDT

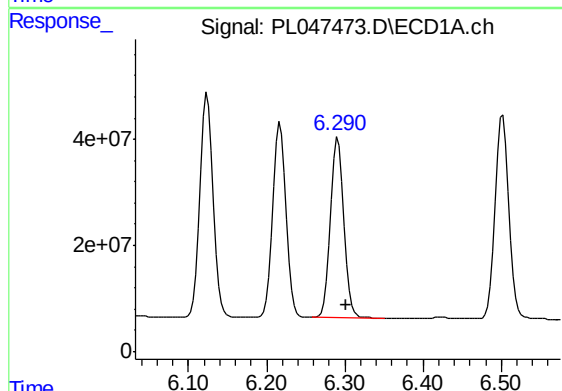
R.T.: 6.217 min  
Delta R.T.: -0.010 min  
Response: 440828826  
Conc: 58.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



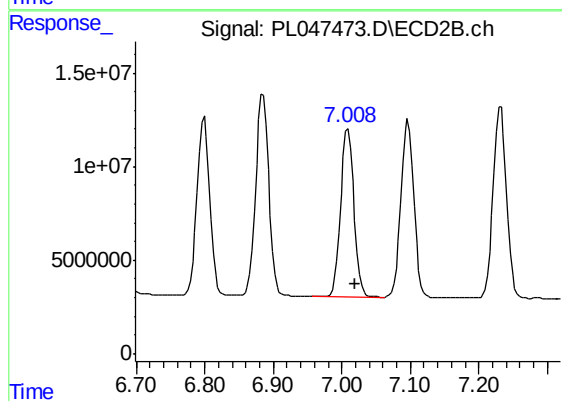
#17 4,4'-DDT

R.T.: 7.097 min  
Delta R.T.: -0.010 min  
Response: 121628772  
Conc: 58.00 ng/ml



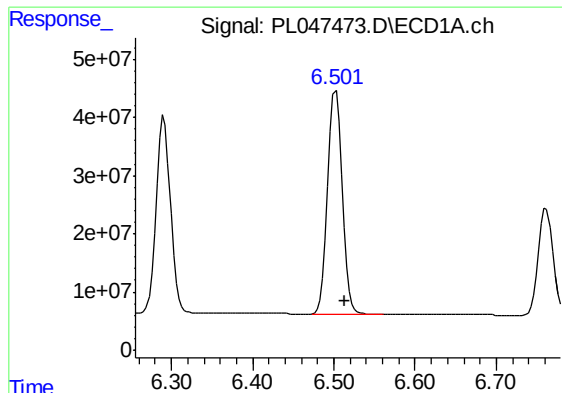
#18 Endrin aldehyde

R.T.: 6.291 min  
Delta R.T.: -0.011 min  
Response: 412322098  
Conc: 55.01 ng/ml



#18 Endrin aldehyde

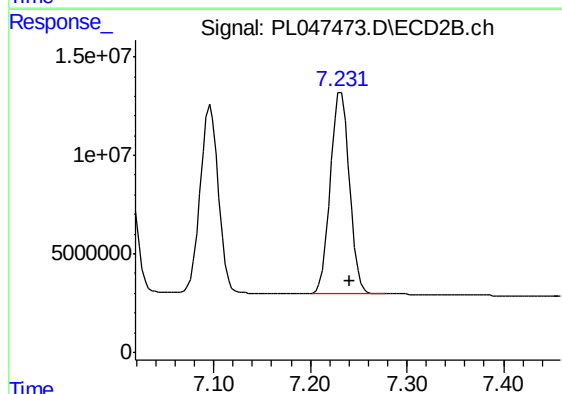
R.T.: 7.009 min  
Delta R.T.: -0.010 min  
Response: 119956850  
Conc: 56.48 ng/ml



#19 Endosulfan Sulfate

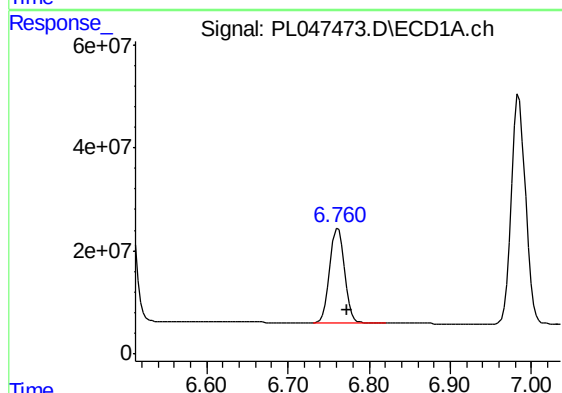
R.T.: 6.502 min  
Delta R.T.: -0.010 min  
Response: 479150476  
Conc: 58.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



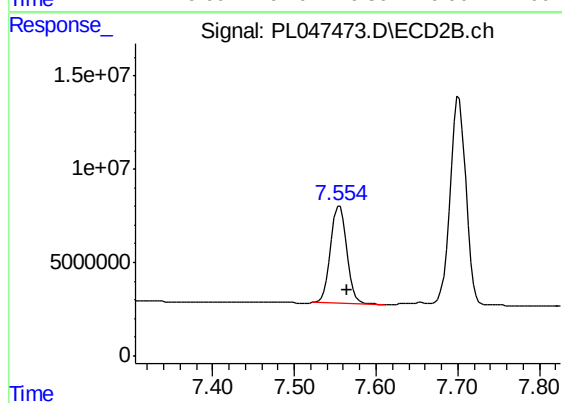
#19 Endosulfan Sulfate

R.T.: 7.232 min  
Delta R.T.: -0.010 min  
Response: 137151409  
Conc: 58.14 ng/ml



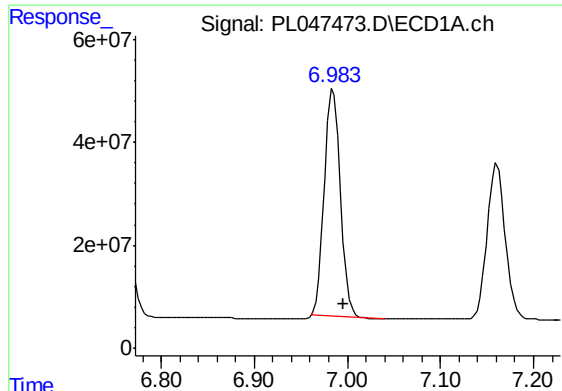
#20 Methoxychlor

R.T.: 6.762 min  
Delta R.T.: -0.012 min  
Response: 232520914  
Conc: 54.71 ng/ml



#20 Methoxychlor

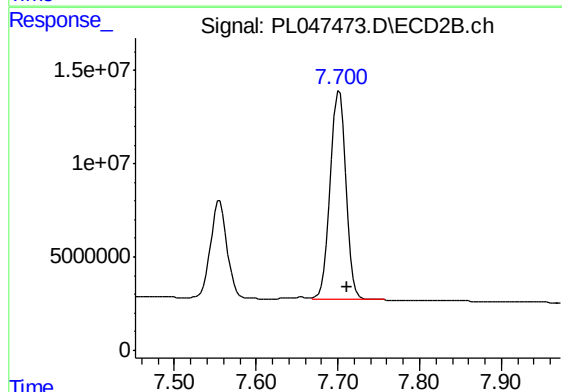
R.T.: 7.555 min  
Delta R.T.: -0.010 min  
Response: 71615517  
Conc: 56.18 ng/ml



#21 Endrin ketone

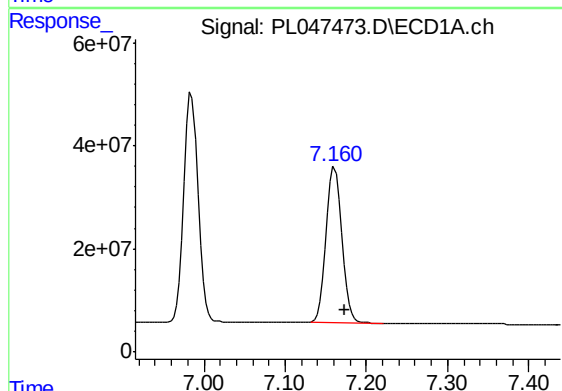
R.T.: 6.985 min  
Delta R.T.: -0.011 min  
Response: 523784867  
Conc: 56.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



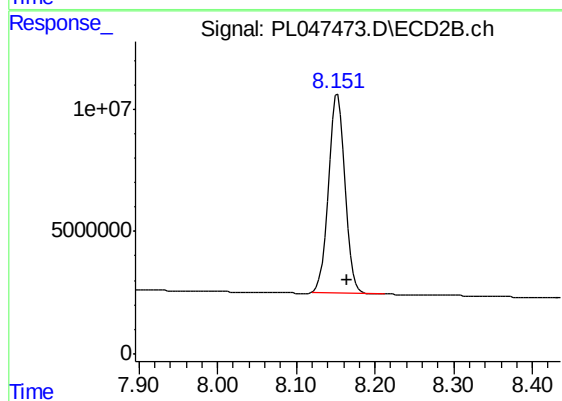
#21 Endrin ketone

R.T.: 7.702 min  
Delta R.T.: -0.010 min  
Response: 149367414  
Conc: 60.12 ng/ml



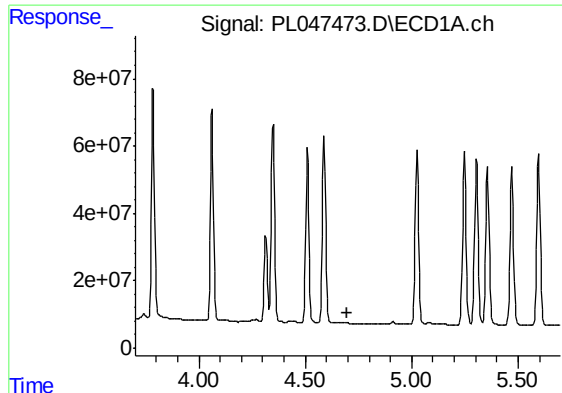
#22 Mirex

R.T.: 7.161 min  
Delta R.T.: -0.012 min  
Response: 407299098  
Conc: 55.91 ng/ml



#22 Mirex

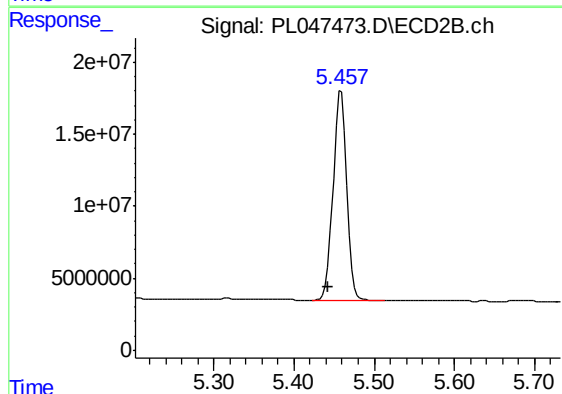
R.T.: 8.152 min  
Delta R.T.: -0.013 min  
Response: 119842846  
Conc: 59.92 ng/ml



#24 Chlordane-2

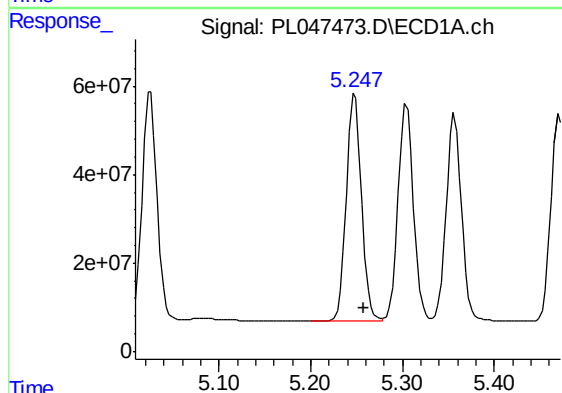
R.T.: 0.000 min  
Exp R.T.: 4.701 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



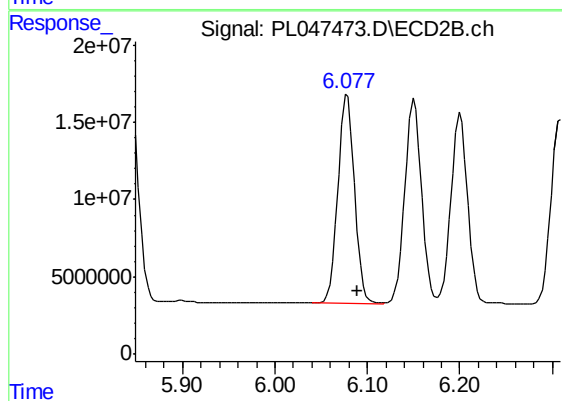
#24 Chlordane-2

R.T.: 5.458 min  
Delta R.T.: 0.016 min  
Response: 171843156  
Conc: 1471.14 ng/ml



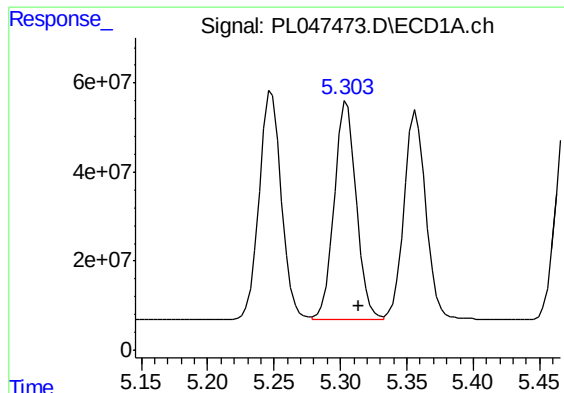
#25 Chlordane-3

R.T.: 5.248 min  
Delta R.T.: -0.010 min  
Response: 585177999  
Conc: 525.45 ng/ml



#25 Chlordane-3

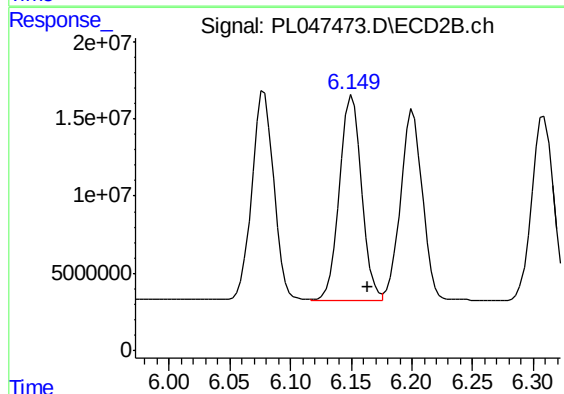
R.T.: 6.078 min  
Delta R.T.: -0.011 min  
Response: 169297492  
Conc: 444.04 ng/ml



#26 Chlordane-4

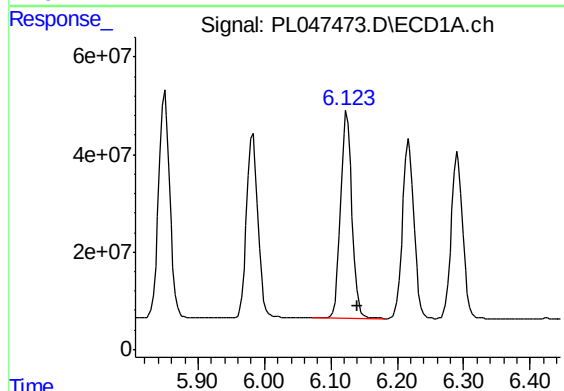
R.T.: 5.305 min  
Delta R.T.: -0.009 min  
Response: 570843876  
Conc: 552.04 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



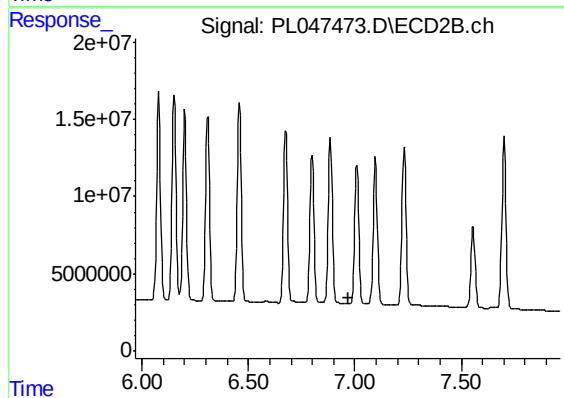
#26 Chlordane-4

R.T.: 6.151 min  
Delta R.T.: -0.012 min  
Response: 167208904  
Conc: 362.38 ng/ml



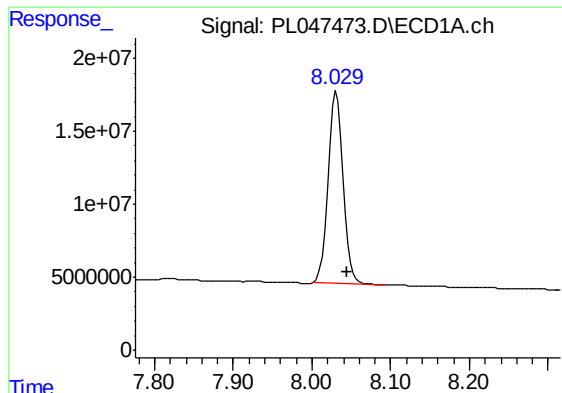
#27 Chlordane-5

R.T.: 6.124 min  
Delta R.T.: -0.015 min  
Response: 504385744  
Conc: 1477.98 ng/ml



#27 Chlordane-5

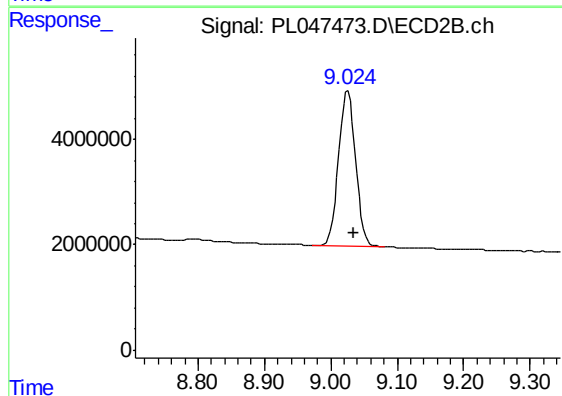
R.T.: 0.000 min  
Exp R.T. : 6.967 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.031 min  
Delta R.T.: -0.013 min  
Response: 176262126  
Conc: 20.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SU-01-041519-AMSD



#28 Decachlorobiphenyl

R.T.: 9.026 min  
Delta R.T.: -0.009 min  
Response: 52691724  
Conc: 22.73 ng/ml