

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082919\  
 Data File : PL051979.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Aug 2019 17:26  
 Operator : SG\AJ  
 Sample : K4439-10MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 S-5-(5-7)MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 30 00:48:28 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL081919.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Aug 19 18:03:07 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... | 3.313 | 3.924  | 159.0E6  | 41909732 | 18.575   | 19.182     |
| 28)                         | SA Decachlor... | 7.971 | 8.951  | 191.3E6  | 47959853 | 15.763   | 15.756     |
| Target Compounds            |                 |       |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.740 | 4.312  | 816.2E6  | 155.8E6  | 56.326   | 48.335     |
| 3)                          | MA gamma-BHC... | 4.016 | 4.595  | 773.2E6  | 134.4E6  | 58.772   | 42.695 #   |
| 4)                          | MA Heptachlor   | 4.299 | 5.096  | 837.9E6  | 200.0E6  | 55.348   | 57.041     |
| 5)                          | MB Aldrin       | 4.530 | 5.398  | 1627.2E6 | 218.5E6  | 112.602  | 66.627 #   |
| 6)                          | B beta-BHC      | 4.270 | 4.773  | 329.3E6  | 54206698 | 57.677   | 37.194 #   |
| 7)                          | B delta-BHC     | 4.463 | 4.987  | 753.5E6  | 139.3E6  | 50.675   | 44.517     |
| 8)                          | B Heptachlo...  | 4.973 | 5.784  | 772.0E6  | 186.4E6  | 55.201   | 55.245     |
| 9)                          | A Endosulfan I  | 5.303 | 6.139  | 884.4E6  | 189.5E6  | 65.785   | 58.604     |
| 10)                         | B gamma-Chl...  | 5.195 | 6.018  | 912.6E6  | 177.8E6  | 61.115   | 48.698     |
| 11)                         | B alpha-Chl...  | 5.251 | 6.090  | 923.9E6  | 176.6E6  | 63.842   | 51.171     |
| 12)                         | B 4,4'-DDE      | 5.417 | 6.250  | 705.6E6  | 172.8E6  | 51.559   | 49.092     |
| 13)                         | MA Dieldrin     | 5.541 | 6.396  | 841.3E6  | 181.4E6  | 55.333   | 52.964     |
| 14)                         | MA Endrin       | 5.793 | 6.612  | 779.8E6  | 163.0E6  | 53.463   | 53.876     |
| 15)                         | B Endosulfa...  | 6.069 | 6.825  | 627.7E6  | 182.6E6  | 45.112   | 55.389     |
| 16)                         | A 4,4'-DDD      | 5.928 | 6.741  | 570.8E6  | 160.5E6  | 46.612   | 59.279 #   |
| 17)                         | MA 4,4'-DDT     | 6.162 | 7.037  | 612.5E6  | 150.3E6  | 48.032   | 51.345     |
| 18)                         | B Endrin al...  | 6.235 | 6.949  | 524.8E6  | 144.8E6  | 45.116   | 51.251     |
| 19)                         | B Endosulfa...  | 6.447 | 7.172  | 596.9E6  | 163.2E6  | 45.883   | 52.835     |
| 20)                         | A Methoxychlor  | 6.707 | 7.498  | 285.4E6  | 84030359 | 42.101   | 50.102     |
| 21)                         | B Endrin ke...  | 6.928 | 7.641  | 641.9E6  | 175.4E6  | 45.374   | 54.812     |
| 22)                         | Mirex           | 7.101 | 8.088  | 453.1E6  | 121.6E6  | 42.795   | 49.965     |
| 24)                         | Chlordane-2     | 0.000 | 5.398f | 0        | 218.5E6  | N.D.     | 2176.544 # |
| 25)                         | Chlordane-3     | 5.195 | 6.018  | 912.6E6  | 177.8E6  | 702.869  | 399.060 #  |
| 26)                         | Chlordane-4     | 5.251 | 6.090  | 923.9E6  | 176.6E6  | 757.677  | 325.145 #  |
| 27)                         | Chlordane-5     | 6.069 | 6.890  | 627.7E6  | 10231325 | 1279.120 | 103.784 #  |
| -----                       |                 |       |        |          |          |          |            |

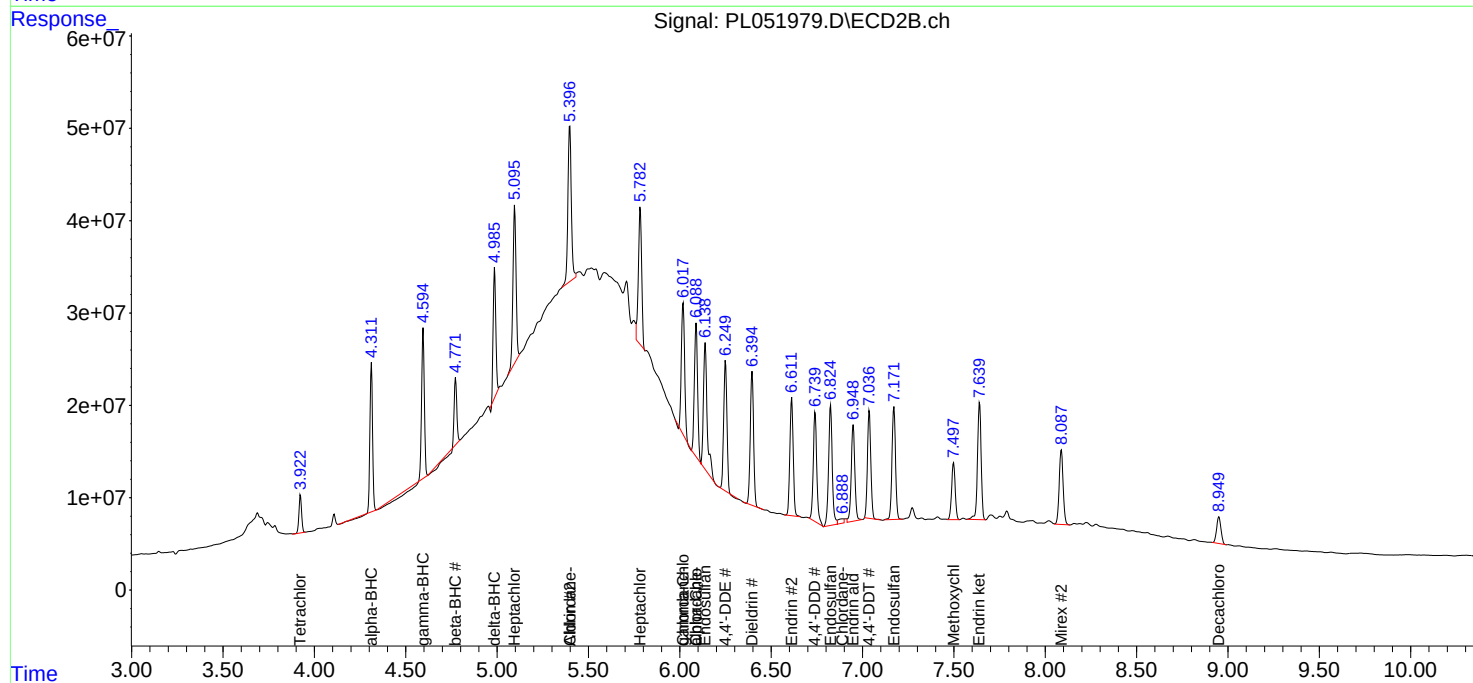
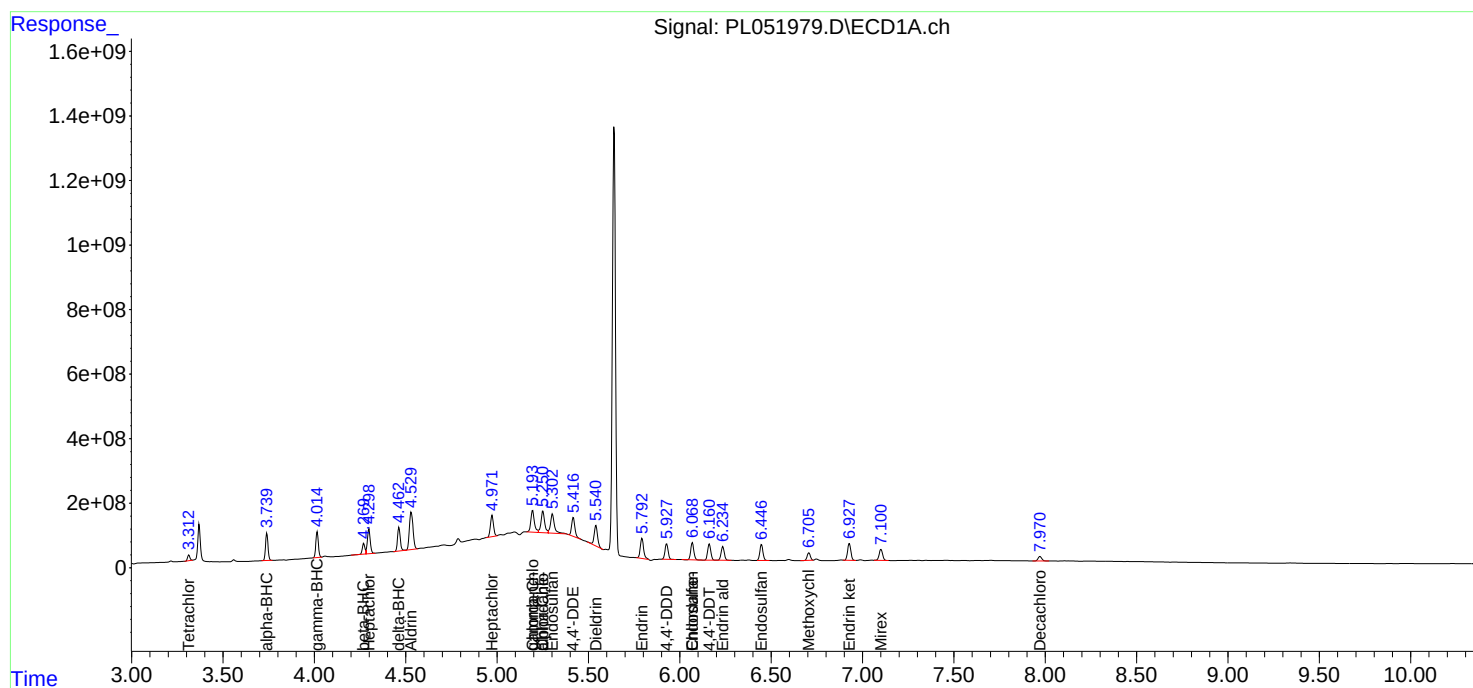
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

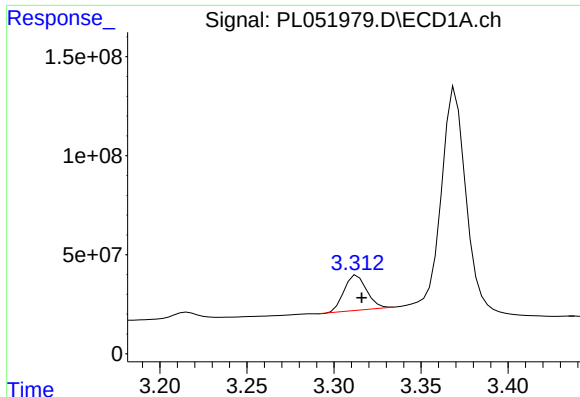
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082919\  
 Data File : PL051979.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Aug 2019 17:26  
 Operator : SG\AJ  
 Sample : K4439-10MSD  
 Misc :  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 S-5-(5-7)MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 30 00:48:28 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL081919.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Aug 19 18:03:07 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

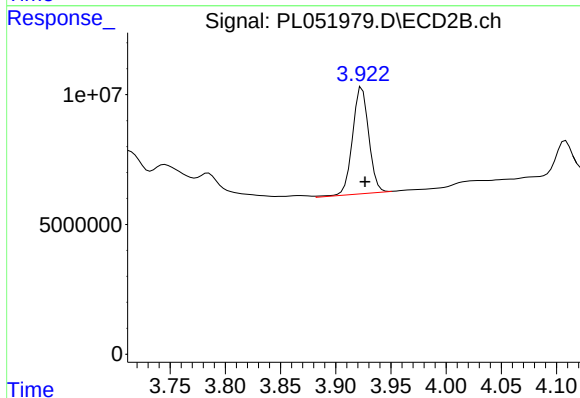




#1 Tetrachloro-m-xylene

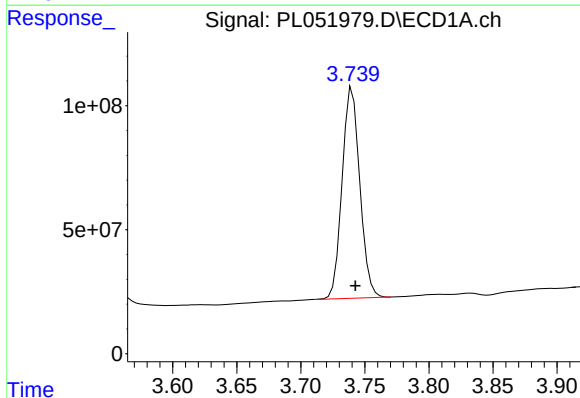
R.T.: 3.313 min  
Delta R.T.: -0.003 min  
Response: 158974076  
Conc: 18.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



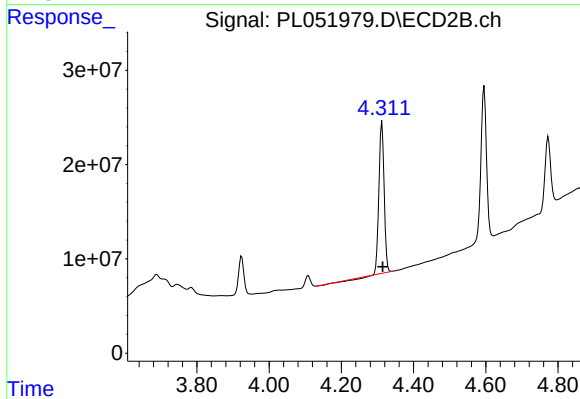
#1 Tetrachloro-m-xylene

R.T.: 3.924 min  
Delta R.T.: -0.003 min  
Response: 41909732  
Conc: 19.18 ng/ml



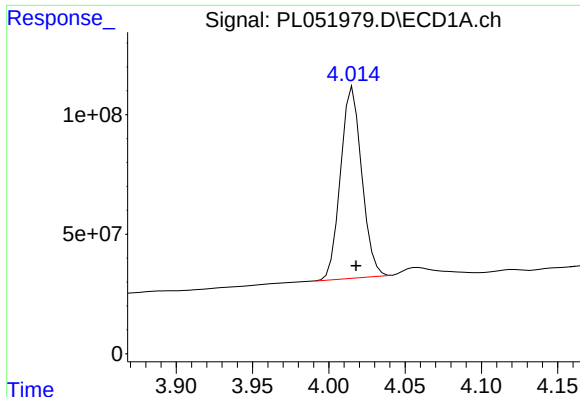
#2 alpha-BHC

R.T.: 3.740 min  
Delta R.T.: -0.002 min  
Response: 816154062  
Conc: 56.33 ng/ml



#2 alpha-BHC

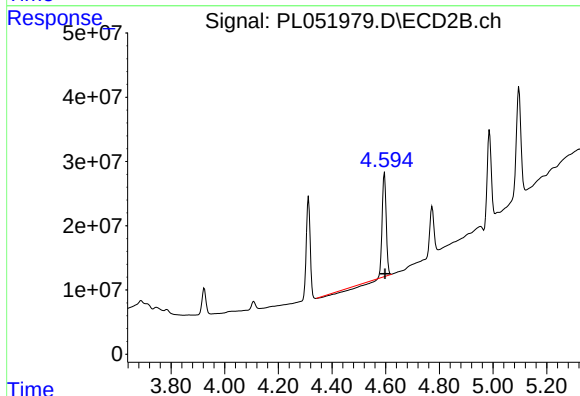
R.T.: 4.312 min  
Delta R.T.: -0.003 min  
Response: 155754486  
Conc: 48.34 ng/ml



#3 gamma-BHC (Lindane)

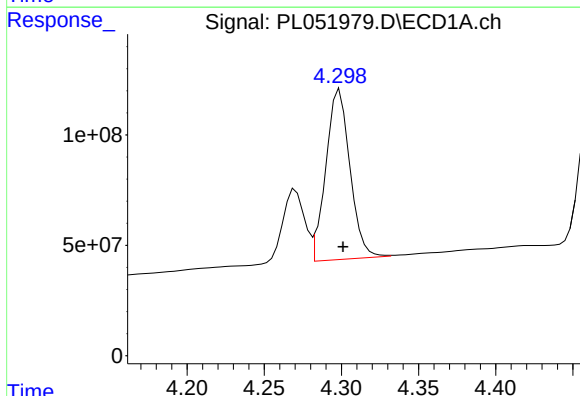
R.T.: 4.016 min  
Delta R.T.: -0.002 min  
Response: 773241055  
Conc: 58.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



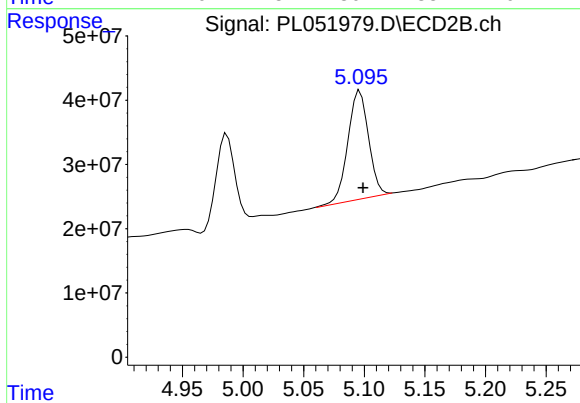
#3 gamma-BHC (Lindane)

R.T.: 4.595 min  
Delta R.T.: -0.003 min  
Response: 134417111  
Conc: 42.70 ng/ml



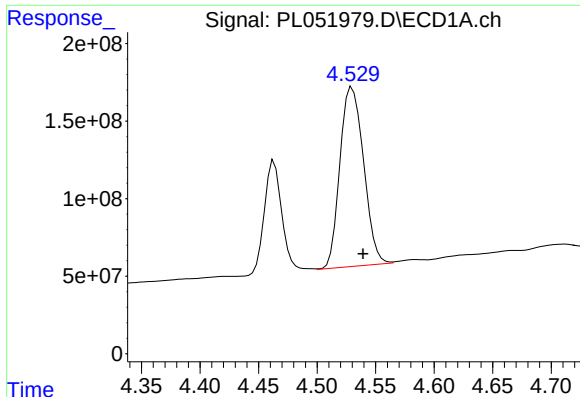
#4 Heptachlor

R.T.: 4.299 min  
Delta R.T.: -0.002 min  
Response: 837901871  
Conc: 55.35 ng/ml



#4 Heptachlor

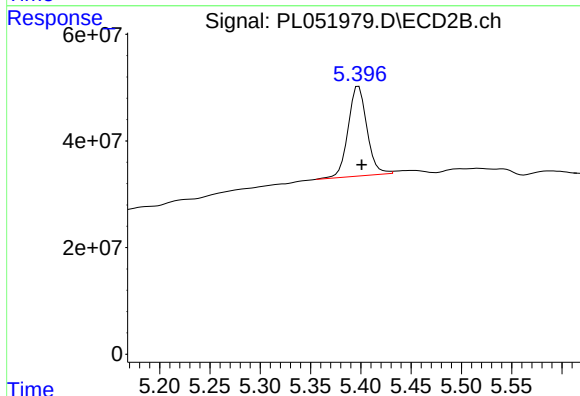
R.T.: 5.096 min  
Delta R.T.: -0.003 min  
Response: 200037591  
Conc: 57.04 ng/ml



#5 Aldrin

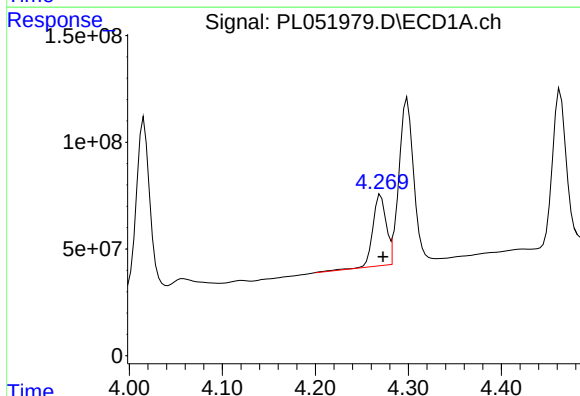
R.T.: 4.530 min  
Delta R.T.: -0.009 min  
Response: 1627181103  
Conc: 112.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



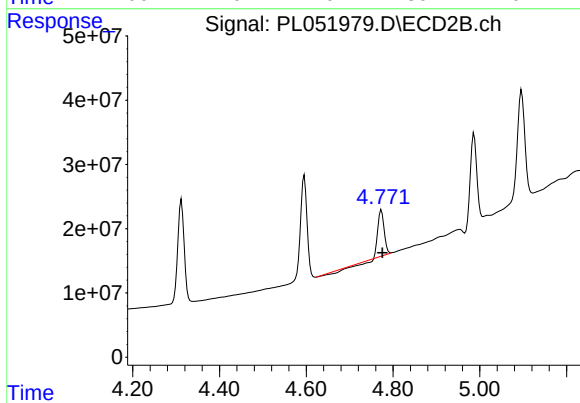
#5 Aldrin

R.T.: 5.398 min  
Delta R.T.: -0.003 min  
Response: 218461029  
Conc: 66.63 ng/ml



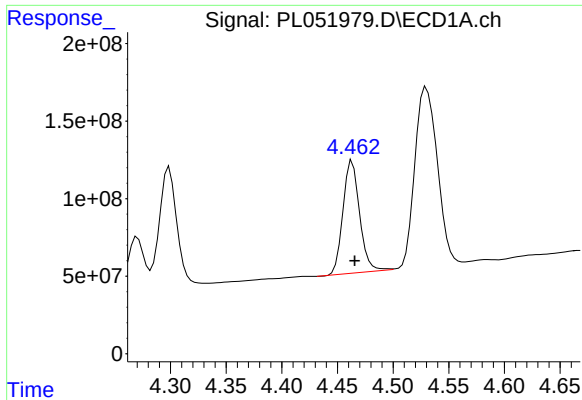
#6 beta-BHC

R.T.: 4.270 min  
Delta R.T.: -0.003 min  
Response: 329340346  
Conc: 57.68 ng/ml



#6 beta-BHC

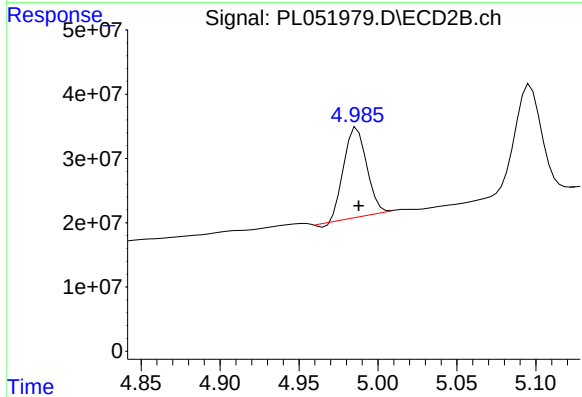
R.T.: 4.773 min  
Delta R.T.: -0.003 min  
Response: 54206698  
Conc: 37.19 ng/ml



#7 delta-BHC

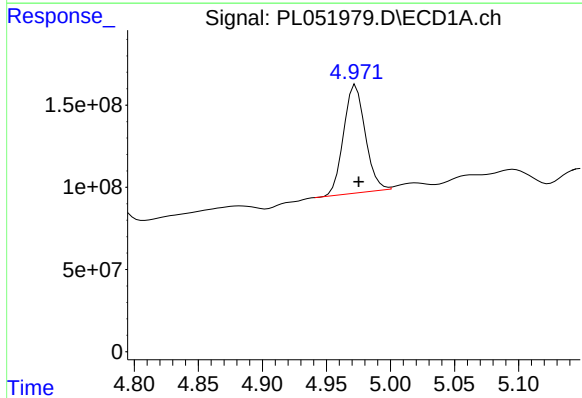
R.T.: 4.463 min  
Delta R.T.: -0.002 min  
Response: 753496416  
Conc: 50.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



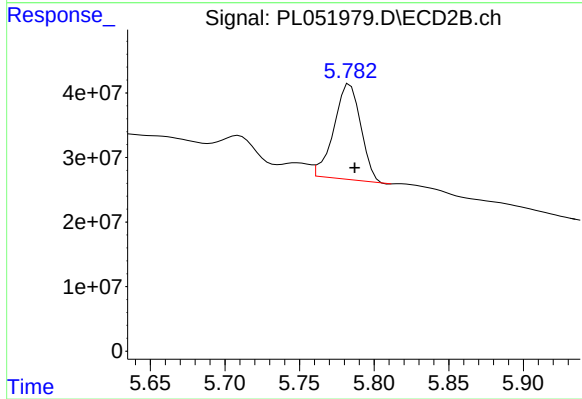
#7 delta-BHC

R.T.: 4.987 min  
Delta R.T.: -0.001 min  
Response: 139325870  
Conc: 44.52 ng/ml



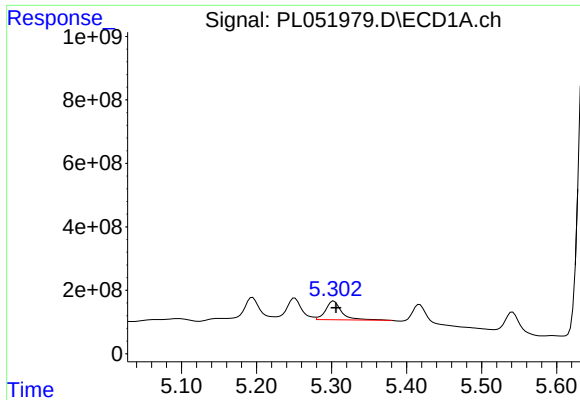
#8 Heptachlor epoxide

R.T.: 4.973 min  
Delta R.T.: -0.002 min  
Response: 772005852  
Conc: 55.20 ng/ml



#8 Heptachlor epoxide

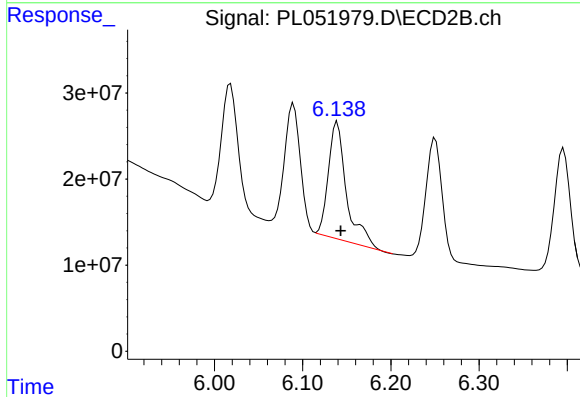
R.T.: 5.784 min  
Delta R.T.: -0.003 min  
Response: 186439974  
Conc: 55.24 ng/ml



#9 Endosulfan I

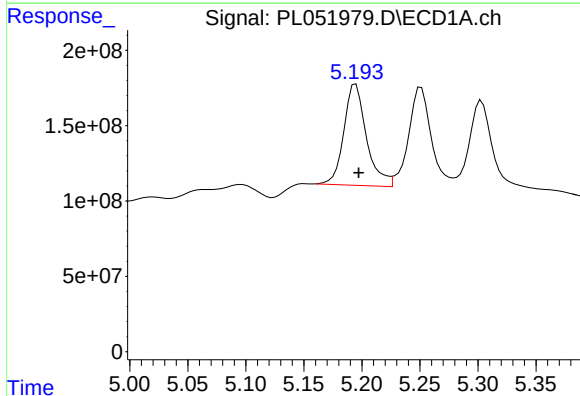
R.T.: 5.303 min  
Delta R.T.: -0.003 min  
Response: 884387933  
Conc: 65.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



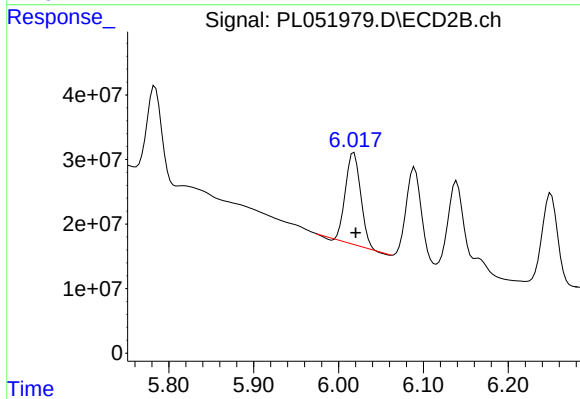
#9 Endosulfan I

R.T.: 6.139 min  
Delta R.T.: -0.004 min  
Response: 189478179  
Conc: 58.60 ng/ml



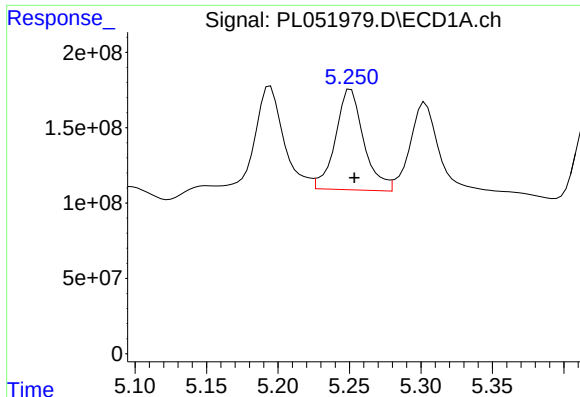
#10 gamma-Chlordane

R.T.: 5.195 min  
Delta R.T.: -0.003 min  
Response: 912562560  
Conc: 61.11 ng/ml



#10 gamma-Chlordane

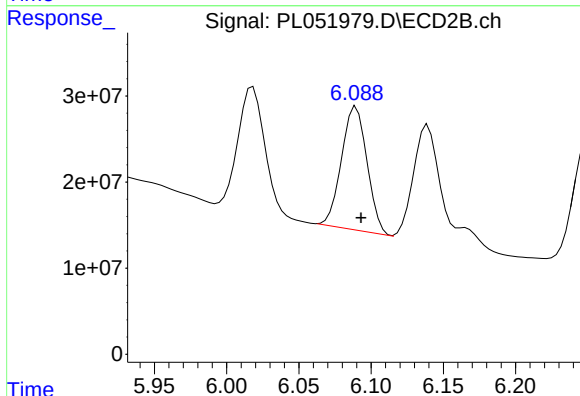
R.T.: 6.018 min  
Delta R.T.: -0.002 min  
Response: 177797331  
Conc: 48.70 ng/ml



#11 alpha-Chlordane

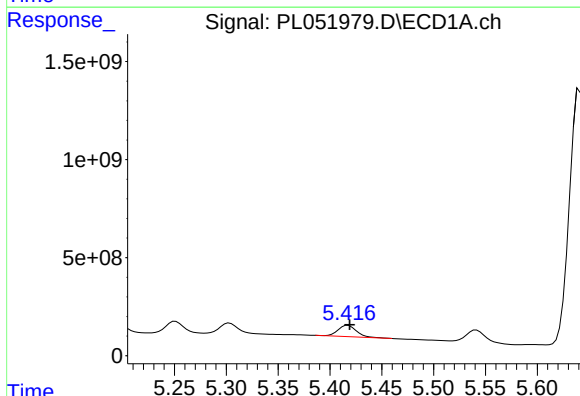
R.T.: 5.251 min  
Delta R.T.: -0.002 min  
Response: 923878932  
Conc: 63.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



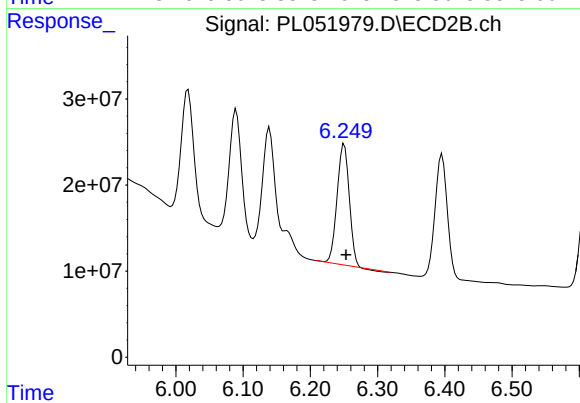
#11 alpha-Chlordane

R.T.: 6.090 min  
Delta R.T.: -0.003 min  
Response: 176590042  
Conc: 51.17 ng/ml



#12 4,4'-DDE

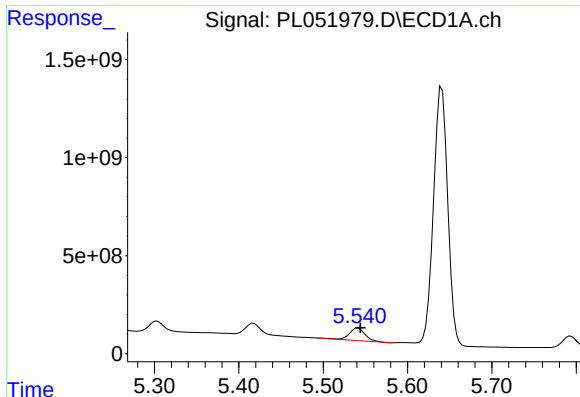
R.T.: 5.417 min  
Delta R.T.: -0.002 min  
Response: 705625303  
Conc: 51.56 ng/ml



#12 4,4'-DDE

R.T.: 6.250 min  
Delta R.T.: -0.003 min  
Response: 172808527  
Conc: 49.09 ng/ml

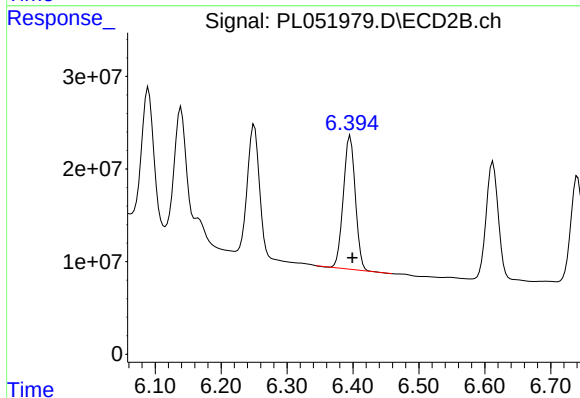




#13 Dieldrin

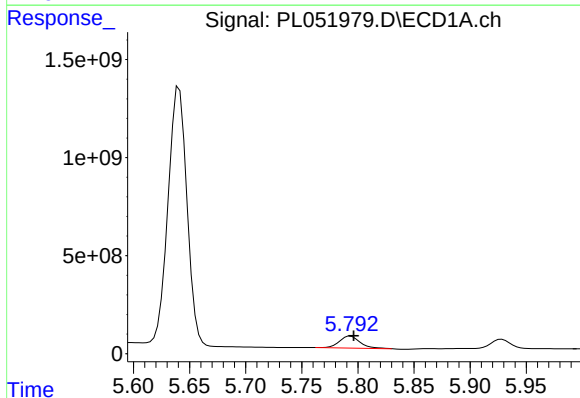
R.T.: 5.541 min  
Delta R.T.: -0.003 min  
Response: 841334283  
Conc: 55.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



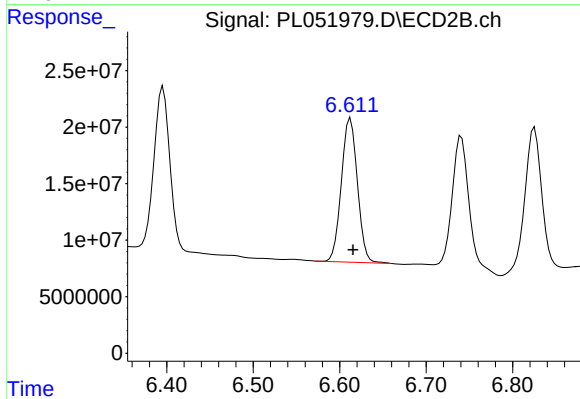
#13 Dieldrin

R.T.: 6.396 min  
Delta R.T.: -0.003 min  
Response: 181378438  
Conc: 52.96 ng/ml



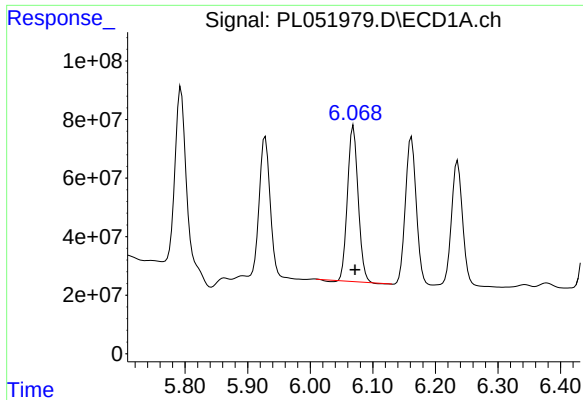
#14 Endrin

R.T.: 5.793 min  
Delta R.T.: -0.003 min  
Response: 779807834  
Conc: 53.46 ng/ml



#14 Endrin

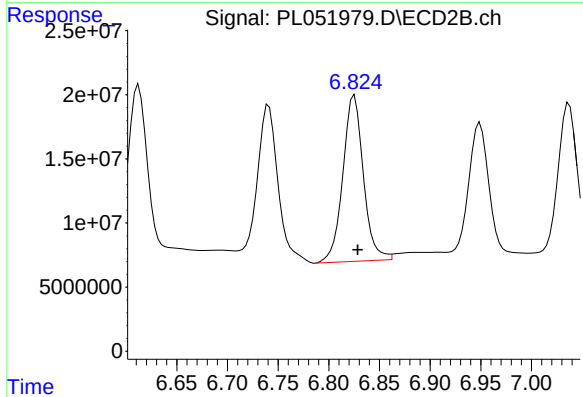
R.T.: 6.612 min  
Delta R.T.: -0.003 min  
Response: 162955167  
Conc: 53.88 ng/ml



#15 Endosulfan II

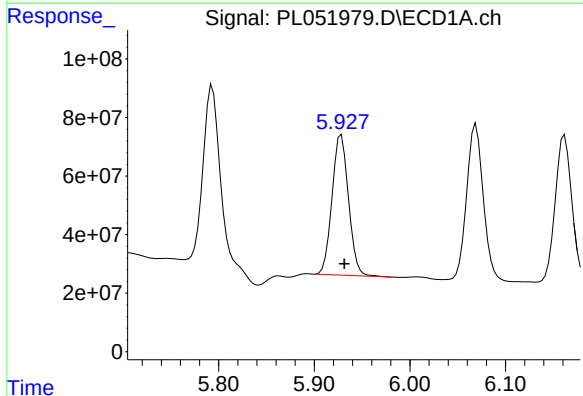
R.T.: 6.069 min  
Delta R.T.: -0.003 min  
Response: 627686433  
Conc: 45.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



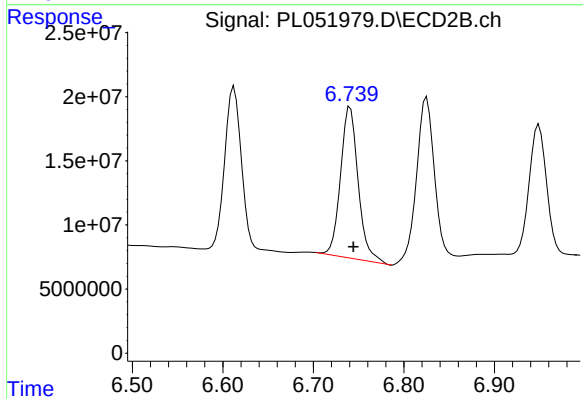
#15 Endosulfan II

R.T.: 6.825 min  
Delta R.T.: -0.004 min  
Response: 182563970  
Conc: 55.39 ng/ml



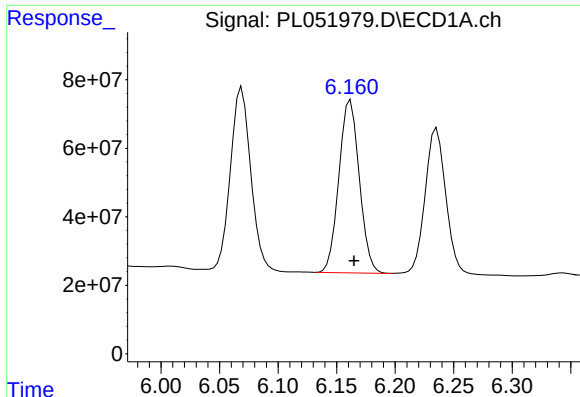
#16 4,4'-DDD

R.T.: 5.928 min  
Delta R.T.: -0.003 min  
Response: 570786942  
Conc: 46.61 ng/ml



#16 4,4'-DDD

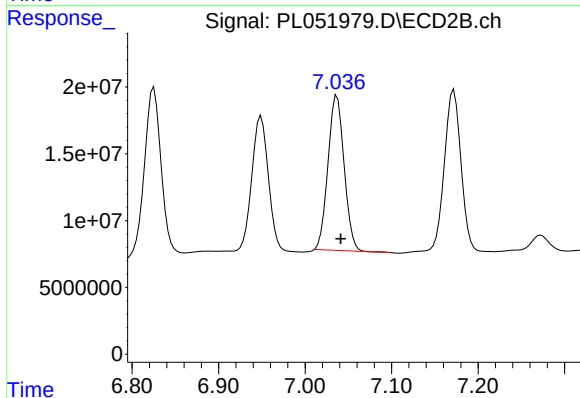
R.T.: 6.741 min  
Delta R.T.: -0.004 min  
Response: 160488608  
Conc: 59.28 ng/ml



#17 4,4'-DDT

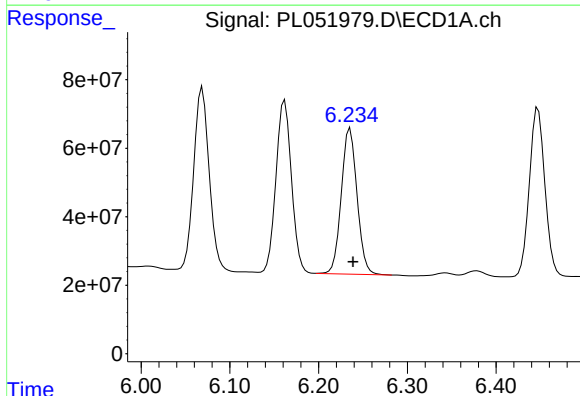
R.T.: 6.162 min  
Delta R.T.: -0.003 min  
Response: 612473111  
Conc: 48.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



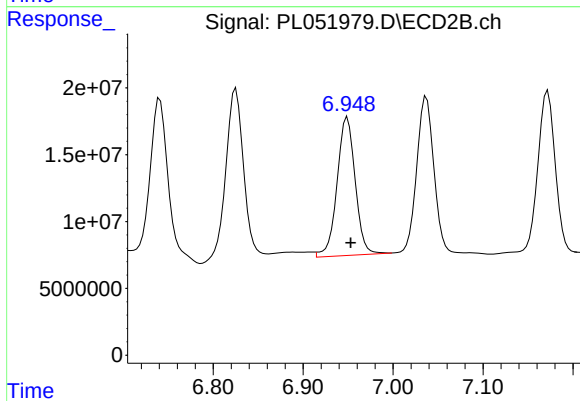
#17 4,4'-DDT

R.T.: 7.037 min  
Delta R.T.: -0.004 min  
Response: 150323057  
Conc: 51.35 ng/ml



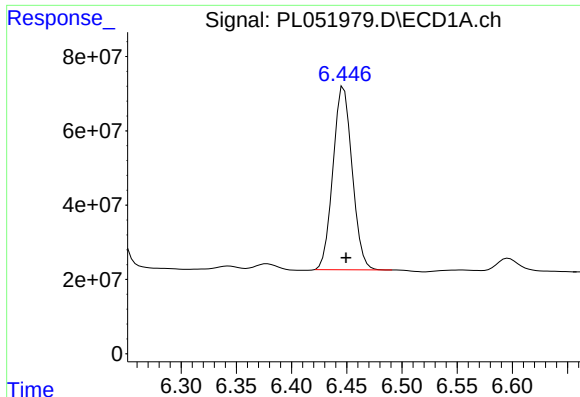
#18 Endrin aldehyde

R.T.: 6.235 min  
Delta R.T.: -0.003 min  
Response: 524840476  
Conc: 45.12 ng/ml



#18 Endrin aldehyde

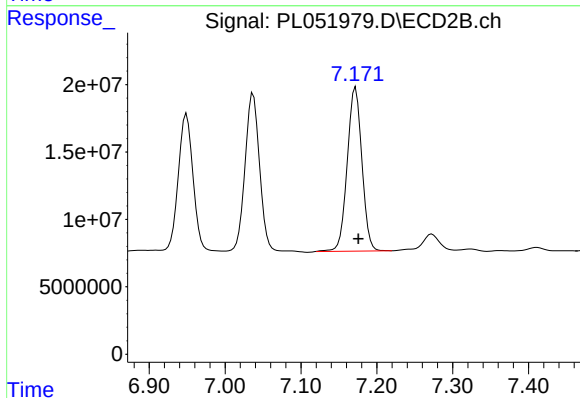
R.T.: 6.949 min  
Delta R.T.: -0.004 min  
Response: 144845078  
Conc: 51.25 ng/ml



#19 Endosulfan Sulfate

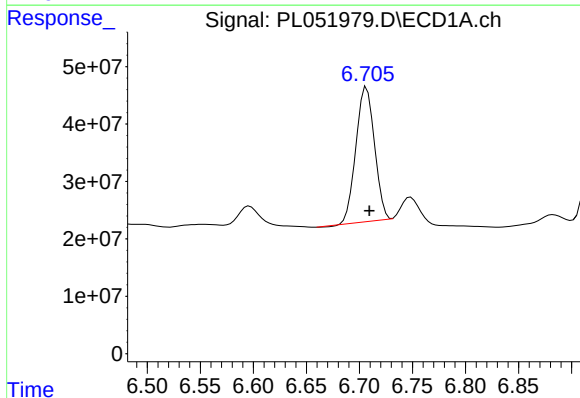
R.T.: 6.447 min  
Delta R.T.: -0.002 min  
Response: 596892566  
Conc: 45.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



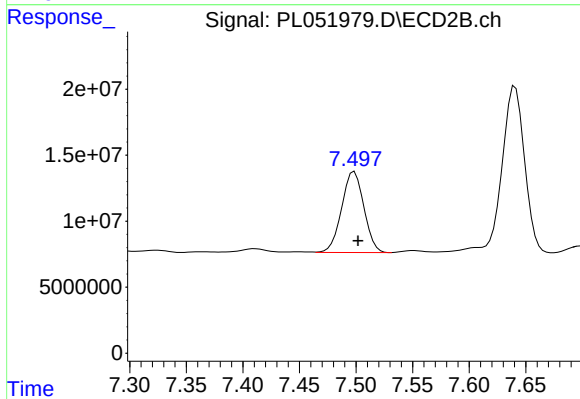
#19 Endosulfan Sulfate

R.T.: 7.172 min  
Delta R.T.: -0.004 min  
Response: 163157478  
Conc: 52.84 ng/ml



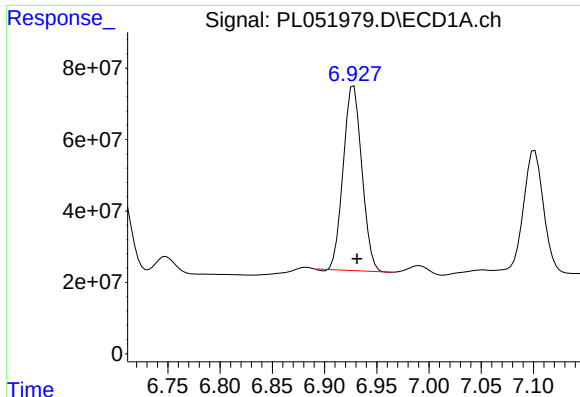
#20 Methoxychlor

R.T.: 6.707 min  
Delta R.T.: -0.003 min  
Response: 285435120  
Conc: 42.10 ng/ml



#20 Methoxychlor

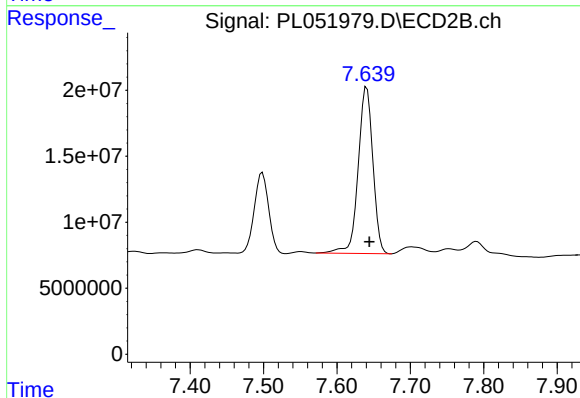
R.T.: 7.498 min  
Delta R.T.: -0.003 min  
Response: 84030359  
Conc: 50.10 ng/ml



#21 Endrin ketone

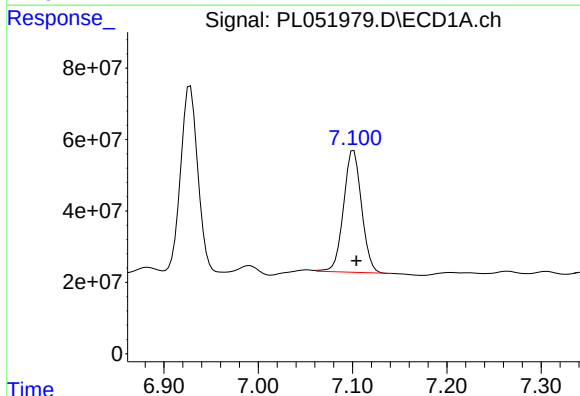
R.T.: 6.928 min  
Delta R.T.: -0.003 min  
Response: 641910064  
Conc: 45.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



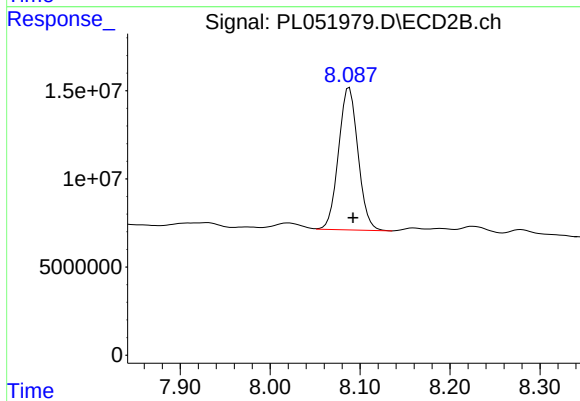
#21 Endrin ketone

R.T.: 7.641 min  
Delta R.T.: -0.004 min  
Response: 175371402  
Conc: 54.81 ng/ml



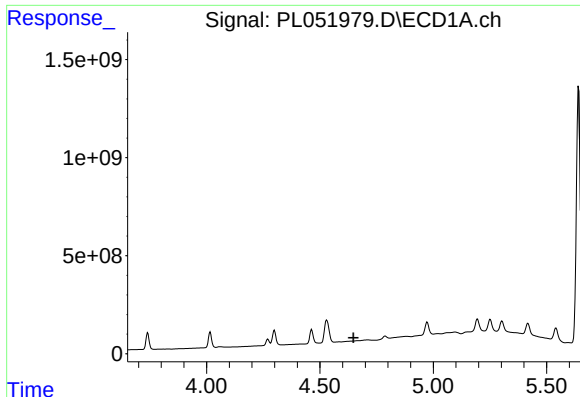
#22 Mirex

R.T.: 7.101 min  
Delta R.T.: -0.003 min  
Response: 453082845  
Conc: 42.79 ng/ml



#22 Mirex

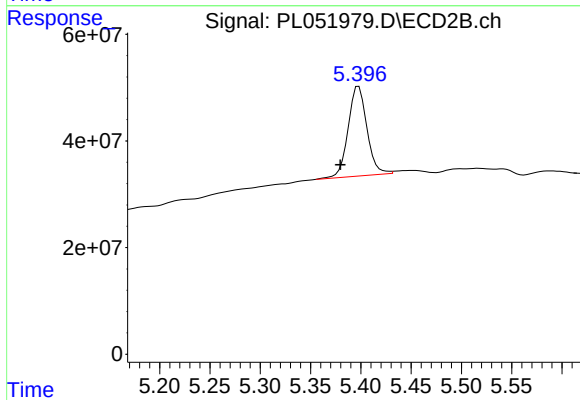
R.T.: 8.088 min  
Delta R.T.: -0.004 min  
Response: 121550157  
Conc: 49.96 ng/ml



#24 Chlordane-2

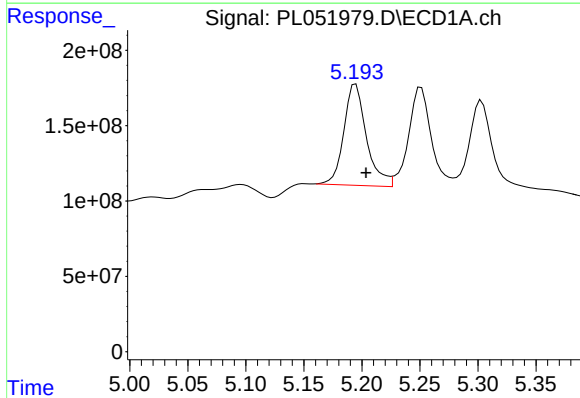
R.T.: 0.000 min  
Exp R.T.: 4.649 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



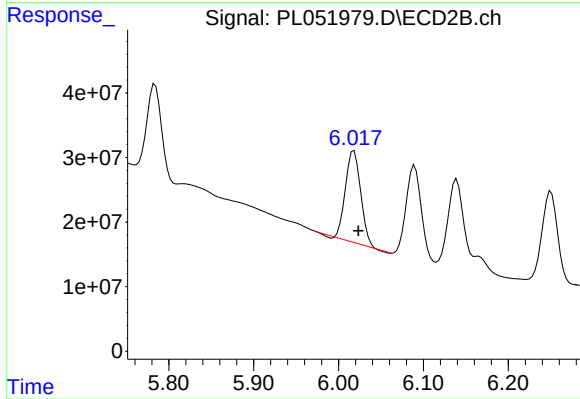
#24 Chlordane-2

R.T.: 5.398 min  
Delta R.T.: 0.018 min  
Response: 218461029  
Conc: 2176.54 ng/ml



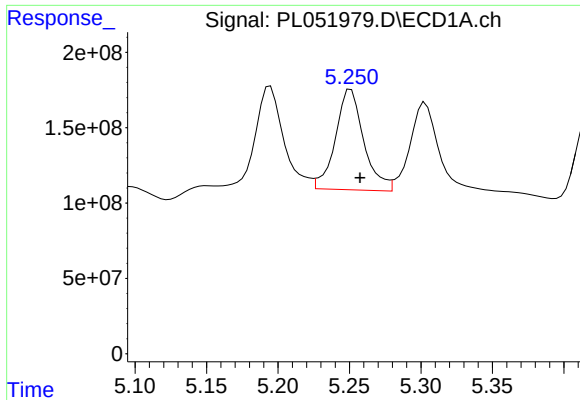
#25 Chlordane-3

R.T.: 5.195 min  
Delta R.T.: -0.009 min  
Response: 912562560  
Conc: 702.87 ng/ml



#25 Chlordane-3

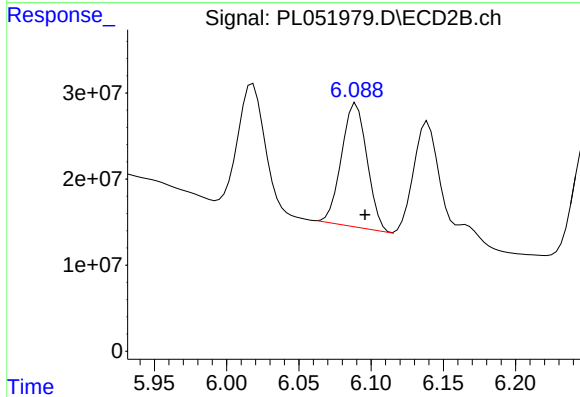
R.T.: 6.018 min  
Delta R.T.: -0.005 min  
Response: 177797331  
Conc: 399.06 ng/ml



#26 Chlordane-4

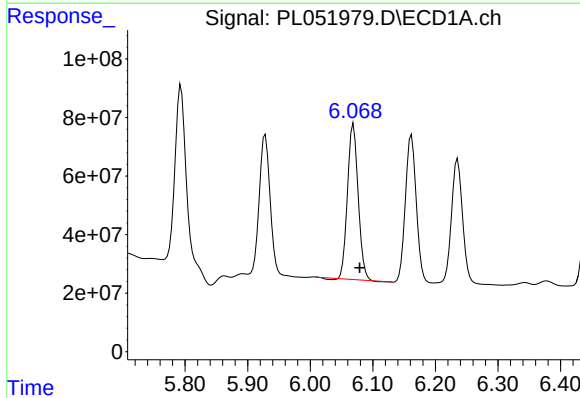
R.T.: 5.251 min  
Delta R.T.: -0.006 min  
Response: 923878932  
Conc: 757.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



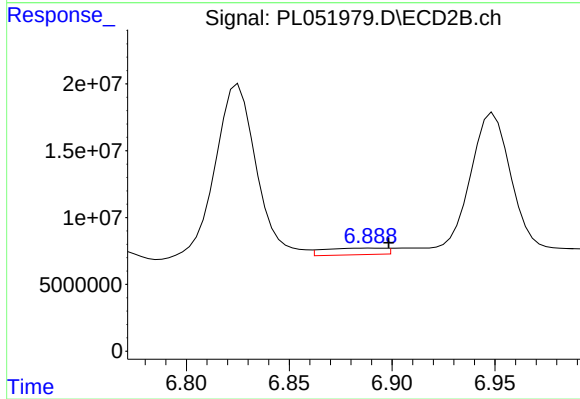
#26 Chlordane-4

R.T.: 6.090 min  
Delta R.T.: -0.006 min  
Response: 176590042  
Conc: 325.14 ng/ml



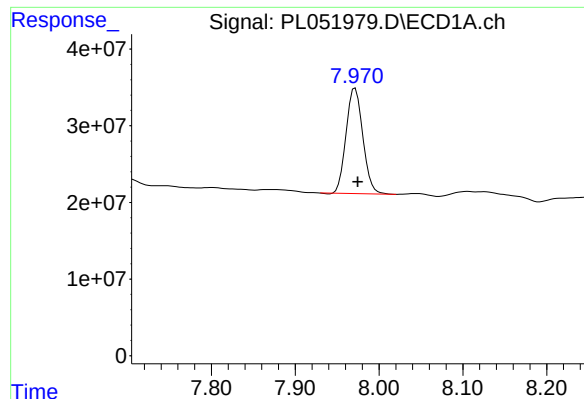
#27 Chlordane-5

R.T.: 6.069 min  
Delta R.T.: -0.010 min  
Response: 627686433  
Conc: 1279.12 ng/ml



#27 Chlordane-5

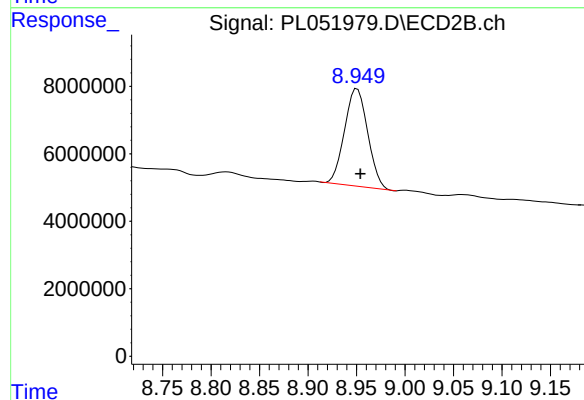
R.T.: 6.890 min  
Delta R.T.: -0.009 min  
Response: 10231325  
Conc: 103.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.971 min  
Delta R.T.: -0.003 min  
Response: 191325145  
Conc: 15.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
S-5-(5-7)MSD



#28 Decachlorobiphenyl

R.T.: 8.951 min  
Delta R.T.: -0.003 min  
Response: 47959853  
Conc: 15.76 ng/ml