

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032819\  
 Data File : PL046636.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 28 Mar 2019 15:50  
 Operator : AJ\SJ  
 Sample : K2102-01MS  
 Misc :  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TT-001-IDWSO-20190325MS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 29 01:12:16 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... | 3.358 | 3.977  | 145.9E6 | 48546822 | 20.050   | 21.203     |
| 28)                         | SA Decachlor... | 8.034 | 9.028  | 168.5E6 | 48534155 | 20.028   | 20.934     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.787 | 4.366  | 652.9E6 | 184.3E6  | 55.985   | 57.357     |
| 3)                          | MA gamma-BHC... | 4.065 | 4.651  | 602.3E6 | 174.4E6  | 56.055   | 58.262     |
| 4)                          | MA Heptachlor   | 4.352 | 5.157  | 610.2E6 | 173.0E6  | 55.342   | 56.243     |
| 5)                          | MB Aldrin       | 4.592 | 5.461  | 581.8E6 | 167.6E6  | 56.404   | 58.493     |
| 6)                          | B beta-BHC      | 4.317 | 4.823  | 244.8E6 | 77713781 | 54.361   | 58.621     |
| 7)                          | B delta-BHC     | 4.513 | 5.039  | 558.6E6 | 130.5E6  | 55.185   | 56.264     |
| 8)                          | B Heptachlor... | 5.028 | 5.847  | 548.9E6 | 148.0E6  | 56.276   | 56.120     |
| 9)                          | A Endosulfan I  | 5.360 | 6.203  | 516.4E6 | 149.1E6  | 54.921   | 57.139     |
| 10)                         | B gamma-Chl...  | 5.251 | 6.081  | 562.5E6 | 160.0E6  | 54.759   | 56.367     |
| 11)                         | B alpha-Chl...  | 5.307 | 6.153  | 555.2E6 | 160.5E6  | 54.756   | 56.598     |
| 12)                         | B 4,4'-DDE      | 5.475 | 6.311  | 510.1E6 | 142.7E6  | 55.408   | 57.473     |
| 13)                         | MA Dieldrin     | 5.600 | 6.459  | 560.7E6 | 154.3E6  | 55.870   | 56.928     |
| 14)                         | MA Endrin       | 5.853 | 6.677  | 509.7E6 | 134.1E6  | 54.116   | 56.115     |
| 15)                         | B Endosulfa...  | 6.128 | 6.887  | 484.9E6 | 135.6E6  | 54.126   | 56.218     |
| 16)                         | A 4,4'-DDD      | 5.986 | 6.801  | 424.5E6 | 119.4E6  | 56.156   | 59.359     |
| 17)                         | MA 4,4'-DDT     | 6.221 | 7.099  | 420.9E6 | 116.8E6  | 55.575   | 55.721     |
| 18)                         | B Endrin al...  | 6.294 | 7.011  | 395.3E6 | 116.2E6  | 52.745   | 54.687     |
| 19)                         | B Endosulfa...  | 6.506 | 7.234  | 465.7E6 | 134.3E6  | 56.717   | 56.951     |
| 20)                         | A Methoxychlor  | 6.766 | 7.557  | 225.2E6 | 70743187 | 52.999   | 55.495     |
| 21)                         | B Endrin ke...  | 6.989 | 7.703  | 525.1E6 | 145.8E6  | 56.784   | 58.670     |
| 22)                         | Mirex           | 7.165 | 8.155  | 375.7E6 | 108.1E6  | 51.574   | 54.021     |
| 24)                         | Chlordane-2     | 0.000 | 5.461f | 0       | 167.6E6  | N.D.     | 1434.643 # |
| 25)                         | Chlordane-3     | 5.251 | 6.081  | 562.5E6 | 160.0E6  | 505.096  | 419.585    |
| 26)                         | Chlordane-4     | 5.307 | 6.153  | 555.2E6 | 160.5E6  | 536.884  | 347.943 #  |
| 27)                         | Chlordane-5     | 6.128 | 0.000  | 484.9E6 | 0        | 1421.015 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

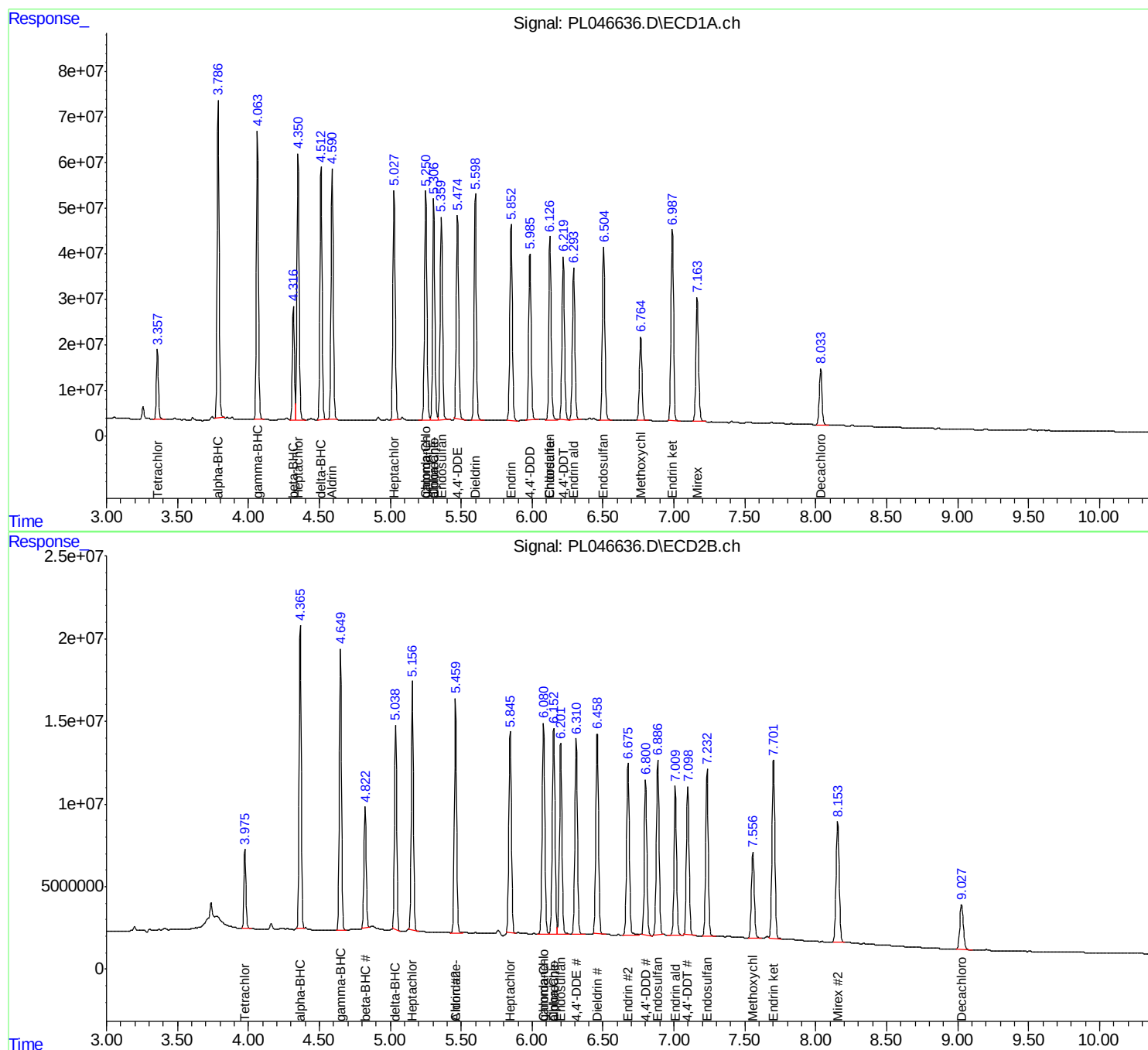
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

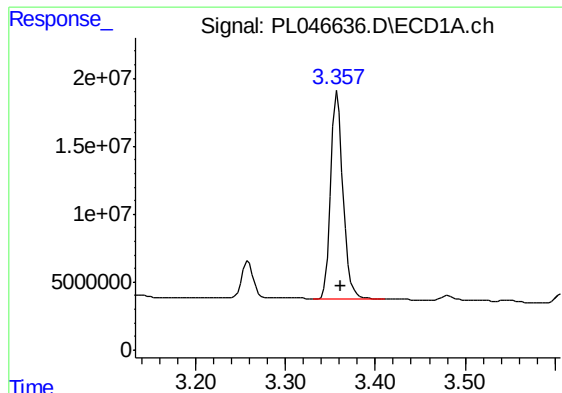
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032819\  
Data File : PL046636.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 28 Mar 2019 15:50  
Operator : AJ\SJ  
Sample : K2102-01MS  
Misc :  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 29 01:12:16 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

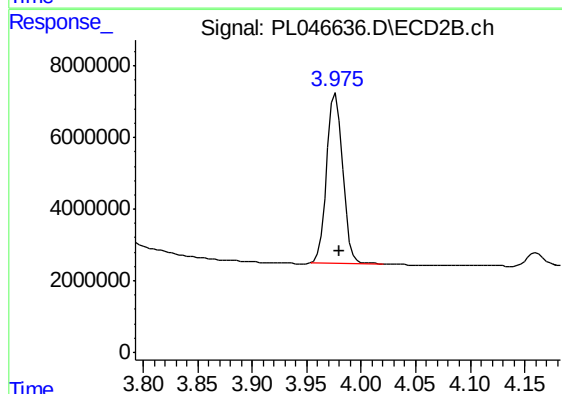




#1 Tetrachloro-m-xylene

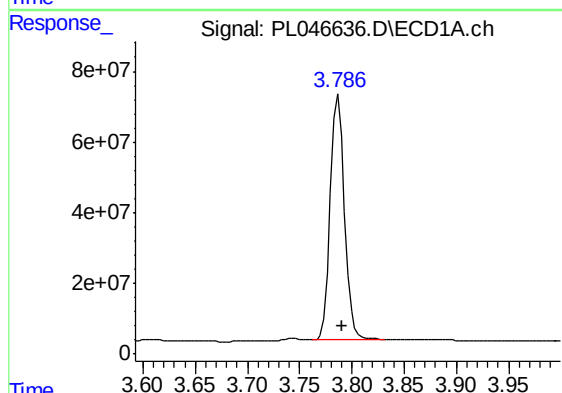
R.T.: 3.358 min  
Delta R.T.: -0.003 min  
Response: 145856170  
Conc: 20.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



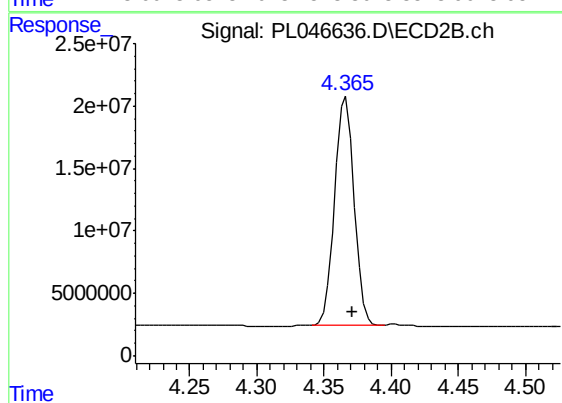
#1 Tetrachloro-m-xylene

R.T.: 3.977 min  
Delta R.T.: -0.004 min  
Response: 48546822  
Conc: 21.20 ng/ml



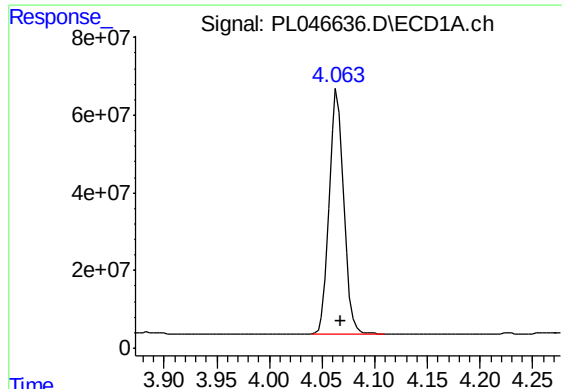
#2 alpha-BHC

R.T.: 3.787 min  
Delta R.T.: -0.004 min  
Response: 652902430  
Conc: 55.99 ng/ml



#2 alpha-BHC

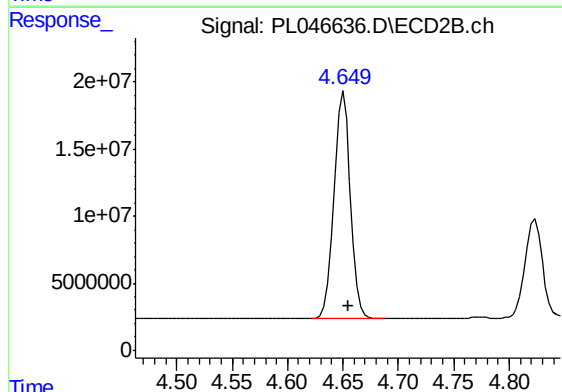
R.T.: 4.366 min  
Delta R.T.: -0.004 min  
Response: 184304702  
Conc: 57.36 ng/ml



#3 gamma-BHC (Lindane)

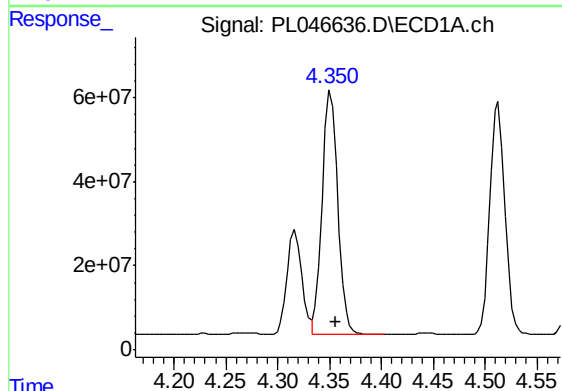
R.T.: 4.065 min  
Delta R.T.: -0.004 min  
Response: 602281282  
Conc: 56.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



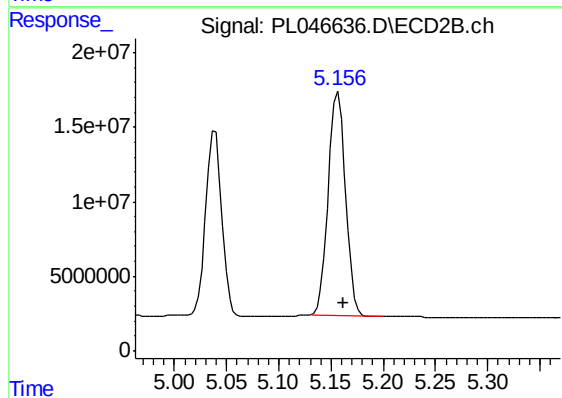
#3 gamma-BHC (Lindane)

R.T.: 4.651 min  
Delta R.T.: -0.005 min  
Response: 174380093  
Conc: 58.26 ng/ml



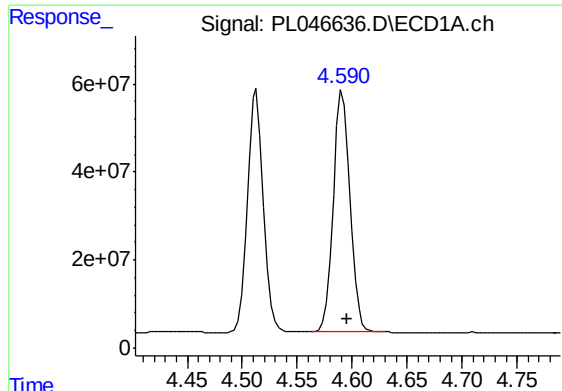
#4 Heptachlor

R.T.: 4.352 min  
Delta R.T.: -0.004 min  
Response: 610153816  
Conc: 55.34 ng/ml



#4 Heptachlor

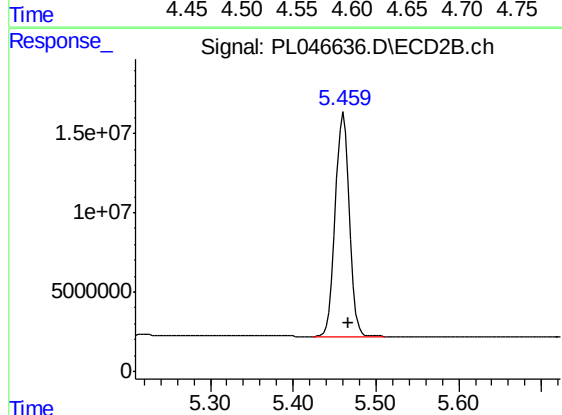
R.T.: 5.157 min  
Delta R.T.: -0.006 min  
Response: 172996934  
Conc: 56.24 ng/ml



#5 Aldrin

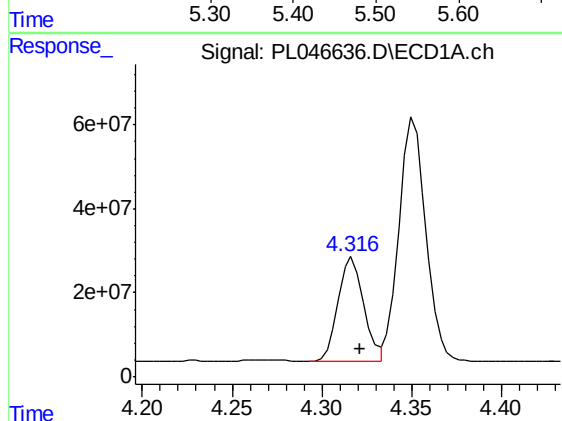
R.T.: 4.592 min  
Delta R.T.: -0.004 min  
Response: 581804298  
Conc: 56.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



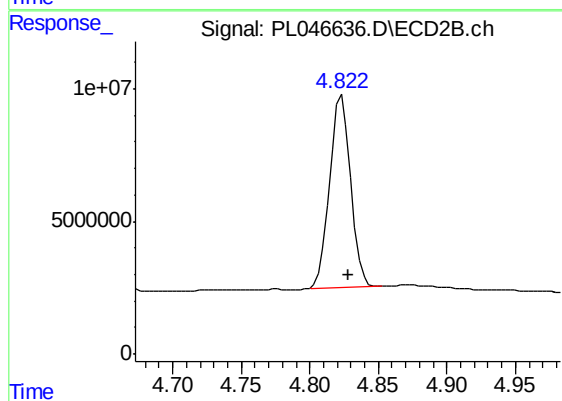
#5 Aldrin

R.T.: 5.461 min  
Delta R.T.: -0.006 min  
Response: 167579583  
Conc: 58.49 ng/ml



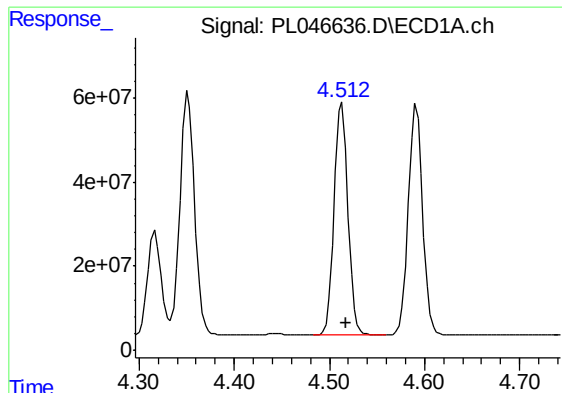
#6 beta-BHC

R.T.: 4.317 min  
Delta R.T.: -0.004 min  
Response: 244755769  
Conc: 54.36 ng/ml



#6 beta-BHC

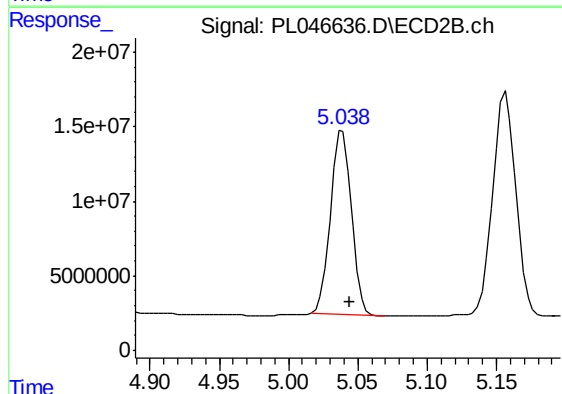
R.T.: 4.823 min  
Delta R.T.: -0.005 min  
Response: 77713781  
Conc: 58.62 ng/ml



#7 delta-BHC

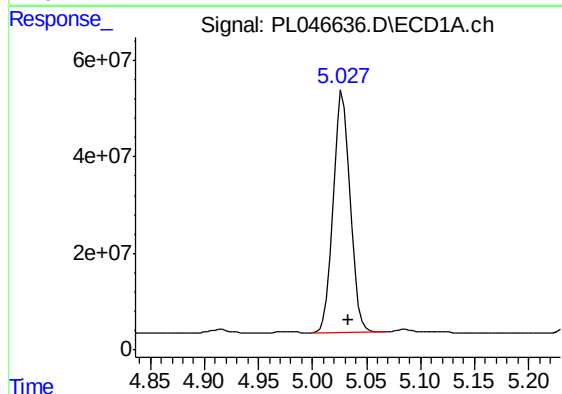
R.T.: 4.513 min  
Delta R.T.: -0.004 min  
Response: 558638665  
Conc: 55.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



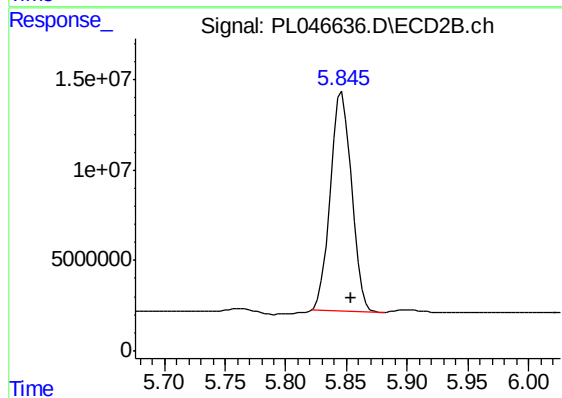
#7 delta-BHC

R.T.: 5.039 min  
Delta R.T.: -0.005 min  
Response: 130541704  
Conc: 56.26 ng/ml



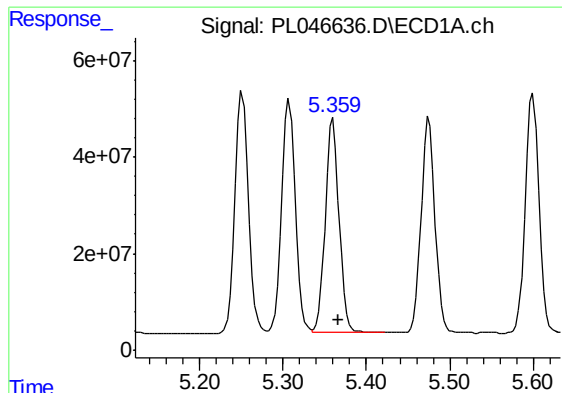
#8 Heptachlor epoxide

R.T.: 5.028 min  
Delta R.T.: -0.006 min  
Response: 548891163  
Conc: 56.28 ng/ml



#8 Heptachlor epoxide

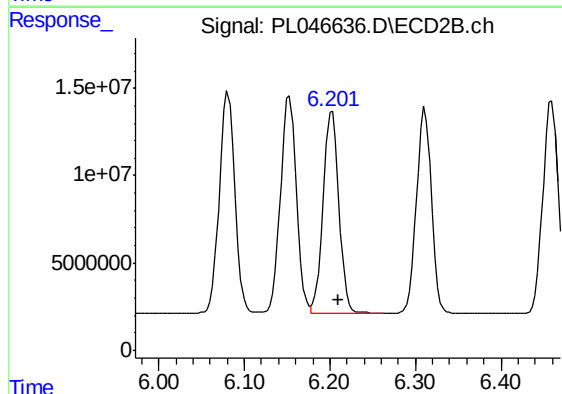
R.T.: 5.847 min  
Delta R.T.: -0.007 min  
Response: 147999537  
Conc: 56.12 ng/ml



#9 Endosulfan I

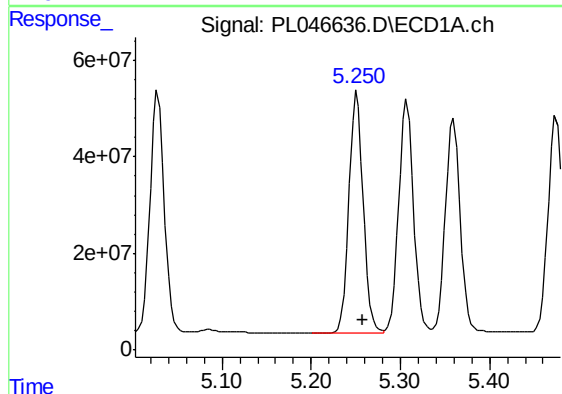
R.T.: 5.360 min  
Delta R.T.: -0.006 min  
Response: 516381715  
Conc: 54.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



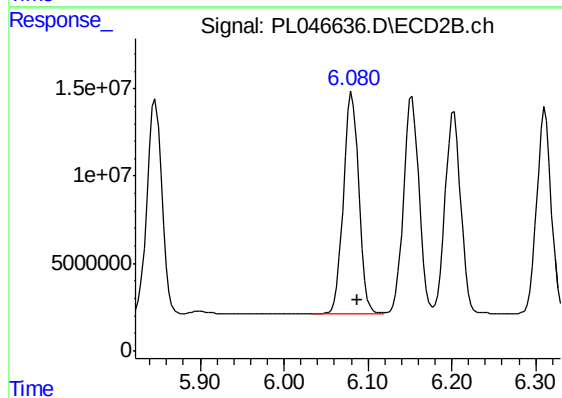
#9 Endosulfan I

R.T.: 6.203 min  
Delta R.T.: -0.008 min  
Response: 149125190  
Conc: 57.14 ng/ml



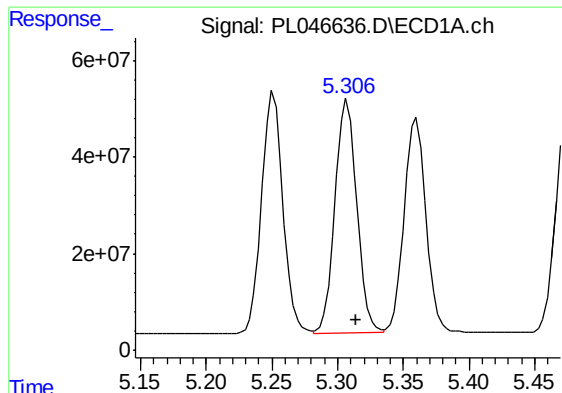
#10 gamma-Chlordane

R.T.: 5.251 min  
Delta R.T.: -0.006 min  
Response: 562512238  
Conc: 54.76 ng/ml



#10 gamma-Chlordane

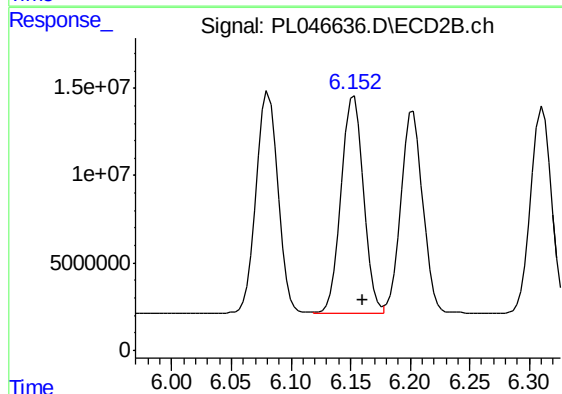
R.T.: 6.081 min  
Delta R.T.: -0.006 min  
Response: 159974167  
Conc: 56.37 ng/ml



#11 alpha-Chlordane

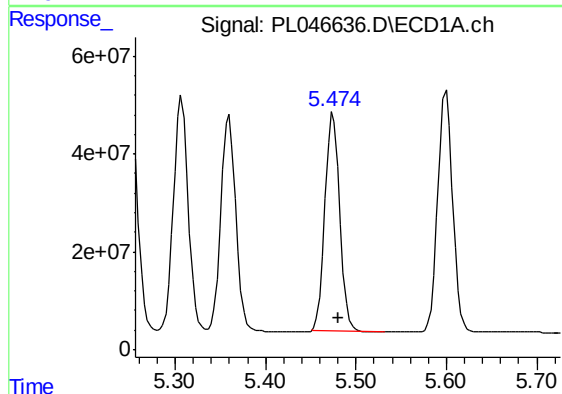
R.T.: 5.307 min  
Delta R.T.: -0.007 min  
Response: 555169975  
Conc: 54.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



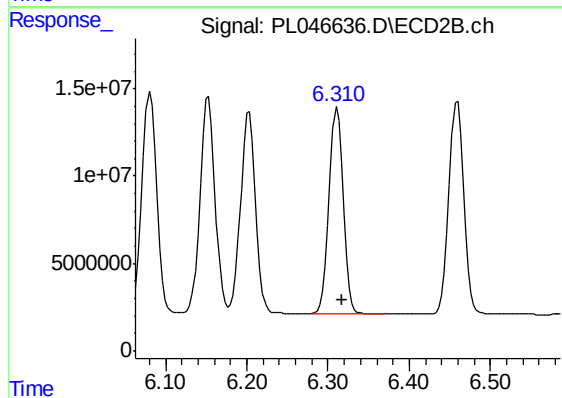
#11 alpha-Chlordane

R.T.: 6.153 min  
Delta R.T.: -0.007 min  
Response: 160549572  
Conc: 56.60 ng/ml



#12 4,4'-DDE

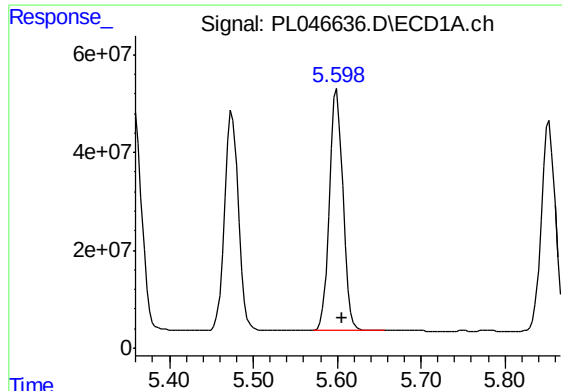
R.T.: 5.475 min  
Delta R.T.: -0.006 min  
Response: 510138073  
Conc: 55.41 ng/ml



#12 4,4'-DDE

R.T.: 6.311 min  
Delta R.T.: -0.007 min  
Response: 142666751  
Conc: 57.47 ng/ml

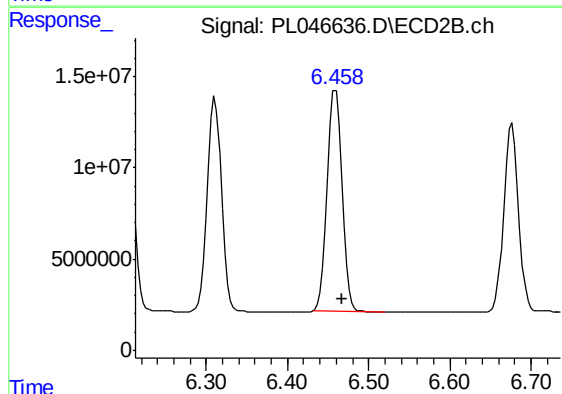




#13 Dielddrin

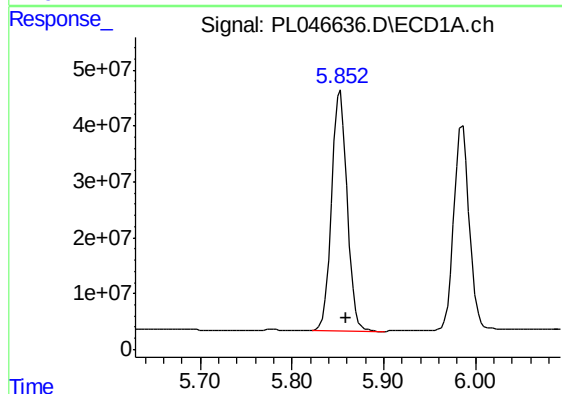
R.T.: 5.600 min  
Delta R.T.: -0.006 min  
Response: 560688454  
Conc: 55.87 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



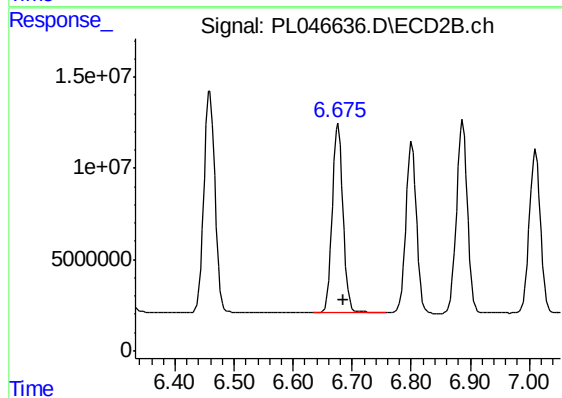
#13 Dielddrin

R.T.: 6.459 min  
Delta R.T.: -0.008 min  
Response: 154312595  
Conc: 56.93 ng/ml



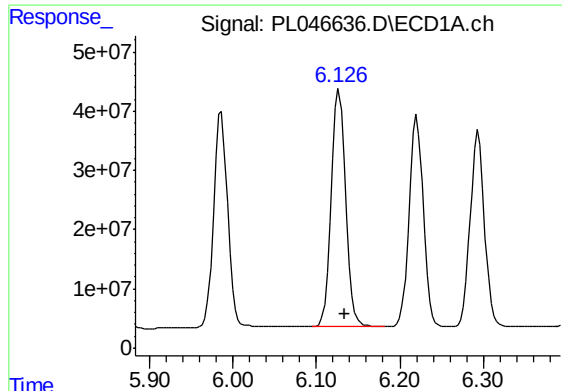
#14 Endrin

R.T.: 5.853 min  
Delta R.T.: -0.006 min  
Response: 509725818  
Conc: 54.12 ng/ml



#14 Endrin

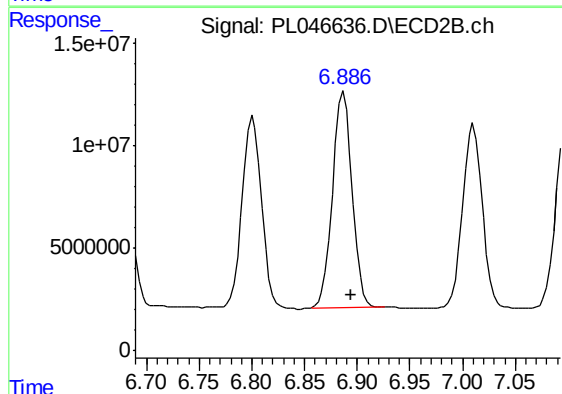
R.T.: 6.677 min  
Delta R.T.: -0.008 min  
Response: 134102114  
Conc: 56.12 ng/ml



#15 Endosulfan II

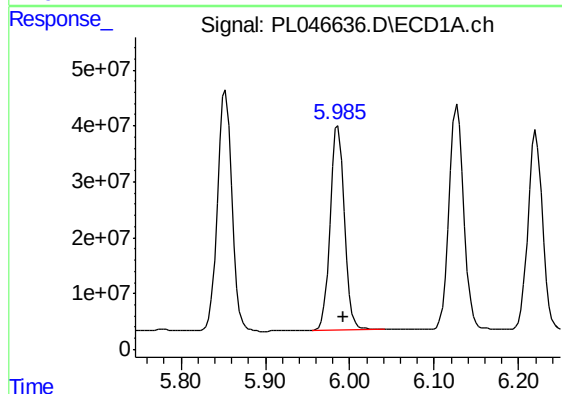
R.T.: 6.128 min  
Delta R.T.: -0.007 min  
Response: 484945437  
Conc: 54.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



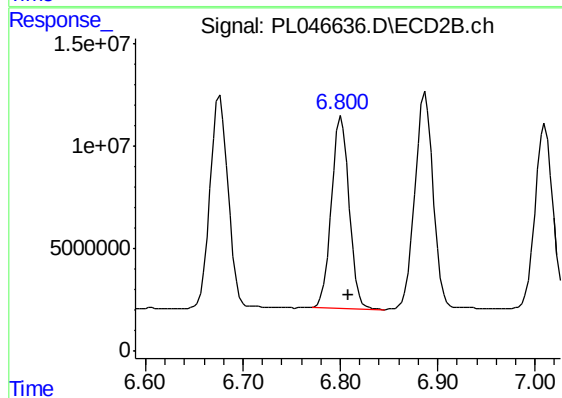
#15 Endosulfan II

R.T.: 6.887 min  
Delta R.T.: -0.007 min  
Response: 135646917  
Conc: 56.22 ng/ml



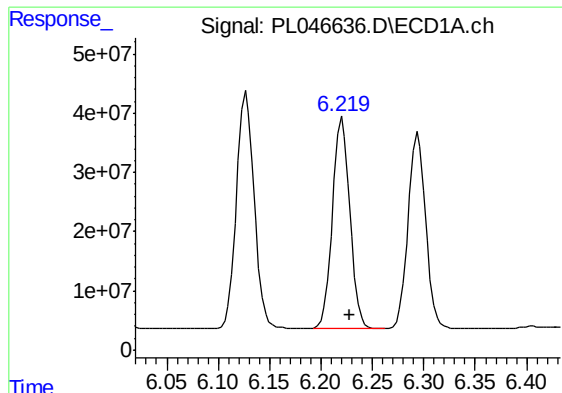
#16 4,4'-DDD

R.T.: 5.986 min  
Delta R.T.: -0.006 min  
Response: 424487009  
Conc: 56.16 ng/ml



#16 4,4'-DDD

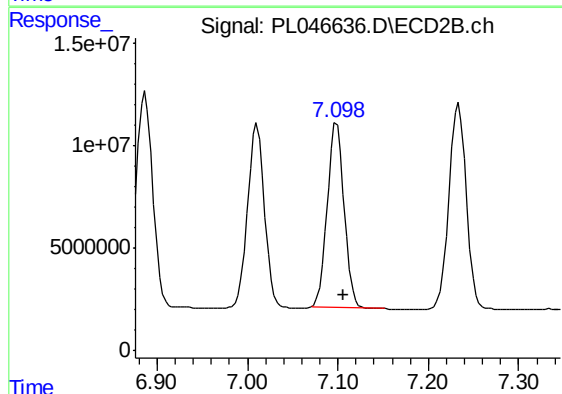
R.T.: 6.801 min  
Delta R.T.: -0.007 min  
Response: 119433037  
Conc: 59.36 ng/ml



#17 4,4'-DDT

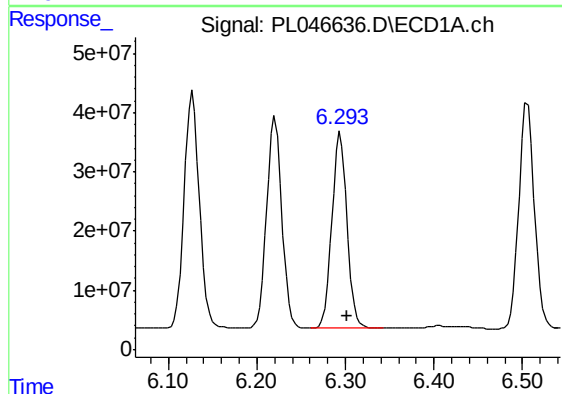
R.T.: 6.221 min  
Delta R.T.: -0.007 min  
Response: 420946404  
Conc: 55.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



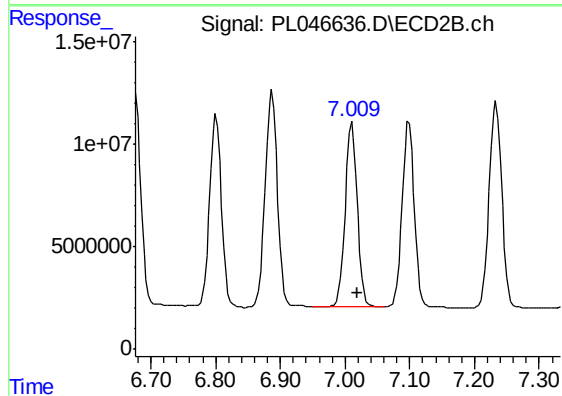
#17 4,4'-DDT

R.T.: 7.099 min  
Delta R.T.: -0.008 min  
Response: 116845206  
Conc: 55.72 ng/ml



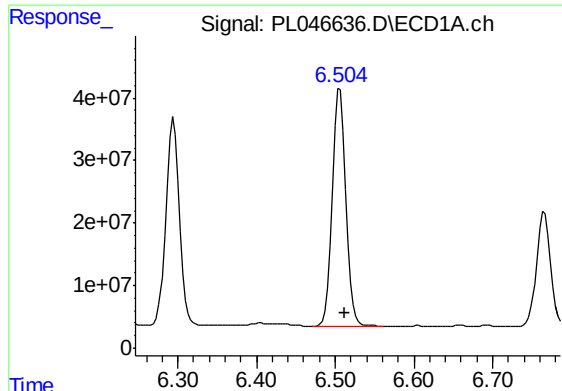
#18 Endrin aldehyde

R.T.: 6.294 min  
Delta R.T.: -0.007 min  
Response: 395328526  
Conc: 52.74 ng/ml



#18 Endrin aldehyde

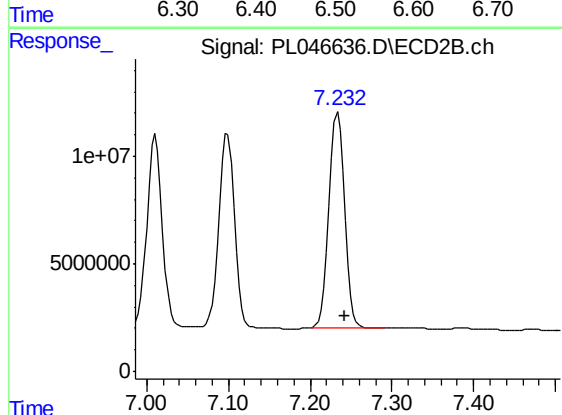
R.T.: 7.011 min  
Delta R.T.: -0.008 min  
Response: 116155918  
Conc: 54.69 ng/ml



#19 Endosulfan Sulfate

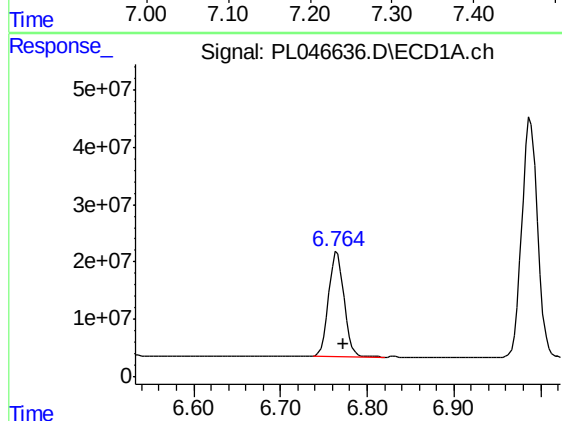
R.T.: 6.506 min  
Delta R.T.: -0.007 min  
Response: 465717986  
Conc: 56.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



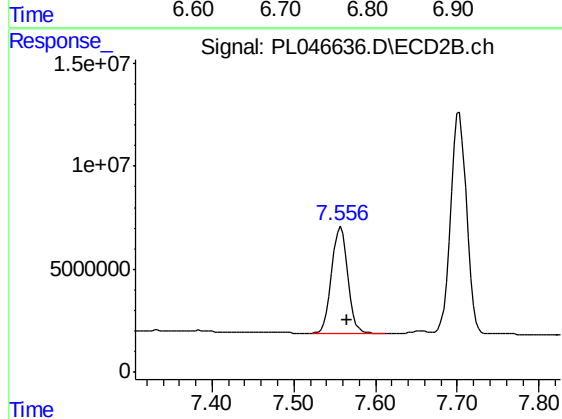
#19 Endosulfan Sulfate

R.T.: 7.234 min  
Delta R.T.: -0.008 min  
Response: 134347236  
Conc: 56.95 ng/ml



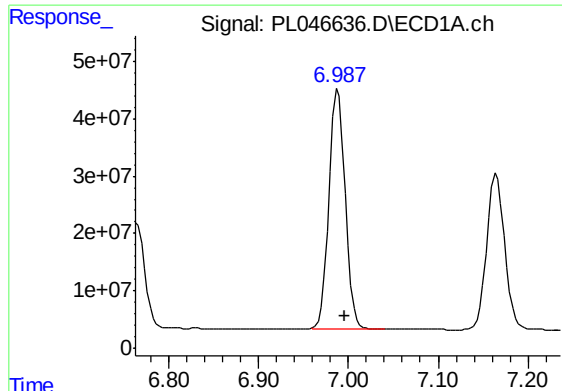
#20 Methoxychlor

R.T.: 6.766 min  
Delta R.T.: -0.008 min  
Response: 225238687  
Conc: 53.00 ng/ml



#20 Methoxychlor

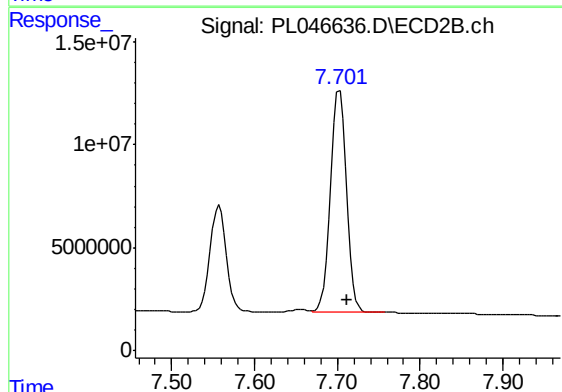
R.T.: 7.557 min  
Delta R.T.: -0.008 min  
Response: 70743187  
Conc: 55.49 ng/ml



#21 Endrin ketone

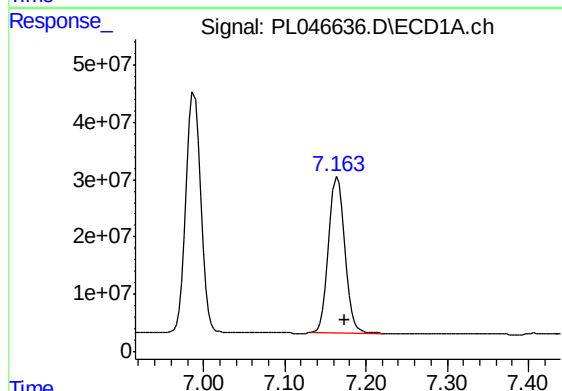
R.T.: 6.989 min  
Delta R.T.: -0.008 min  
Response: 525071918  
Conc: 56.78 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



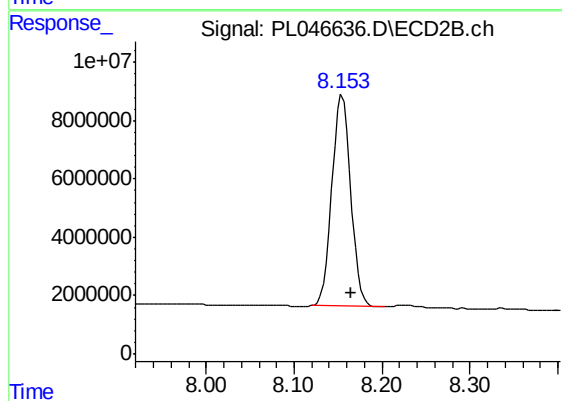
#21 Endrin ketone

R.T.: 7.703 min  
Delta R.T.: -0.009 min  
Response: 145767898  
Conc: 58.67 ng/ml



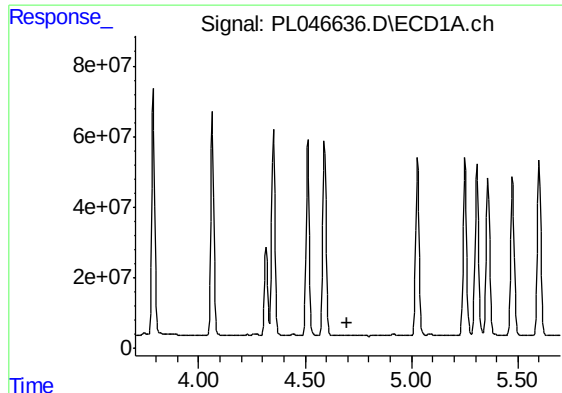
#22 Mirex

R.T.: 7.165 min  
Delta R.T.: -0.008 min  
Response: 375746779  
Conc: 51.57 ng/ml



#22 Mirex

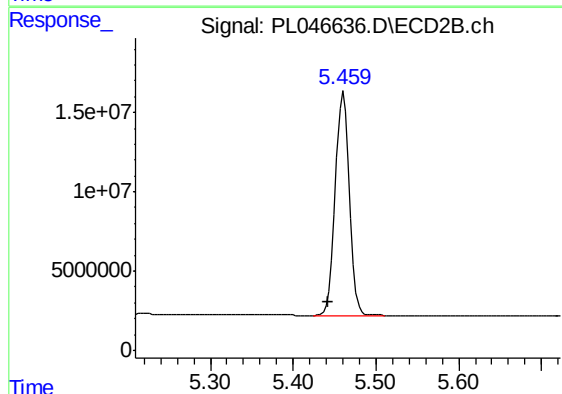
R.T.: 8.155 min  
Delta R.T.: -0.010 min  
Response: 108050607  
Conc: 54.02 ng/ml



#24 Chlordane-2

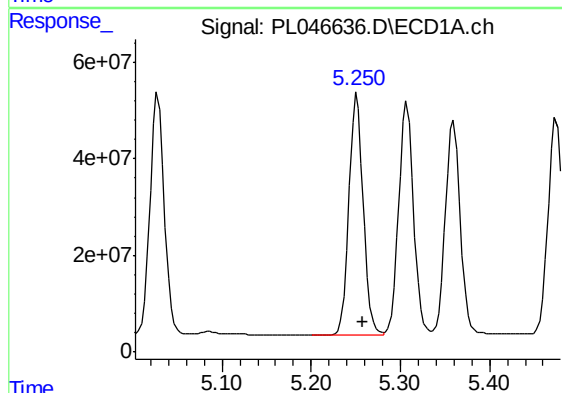
R.T.: 0.000 min  
Exp R.T.: 4.701 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



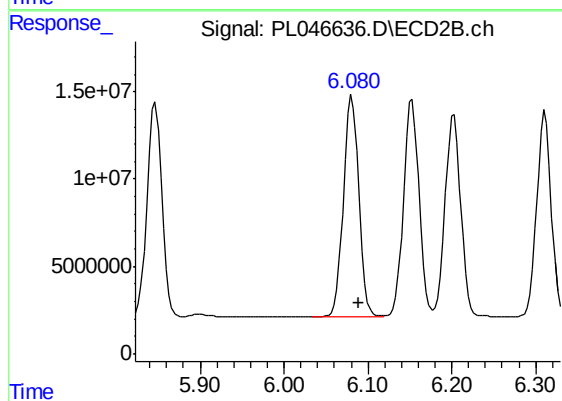
#24 Chlordane-2

R.T.: 5.461 min  
Delta R.T.: 0.018 min  
Response: 167579583  
Conc: 1434.64 ng/ml



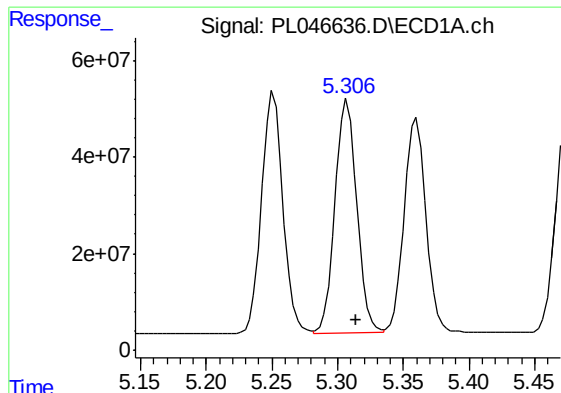
#25 Chlordane-3

R.T.: 5.251 min  
Delta R.T.: -0.007 min  
Response: 562512238  
Conc: 505.10 ng/ml



#25 Chlordane-3

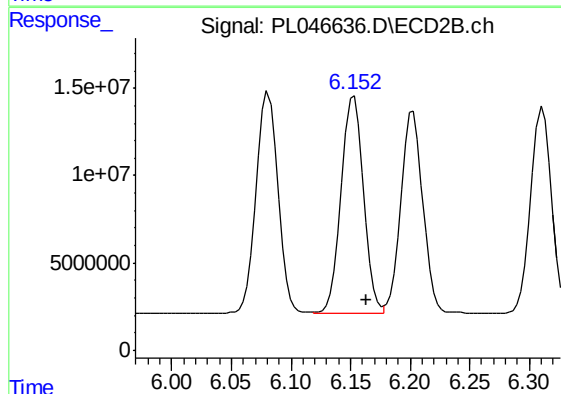
R.T.: 6.081 min  
Delta R.T.: -0.008 min  
Response: 159974167  
Conc: 419.58 ng/ml



#26 Chlordane-4

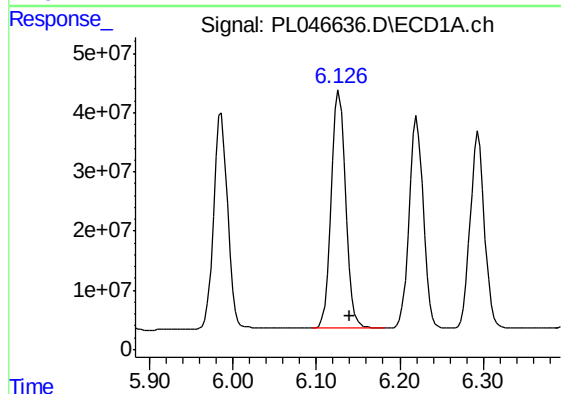
R.T.: 5.307 min  
Delta R.T.: -0.007 min  
Response: 555169975  
Conc: 536.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



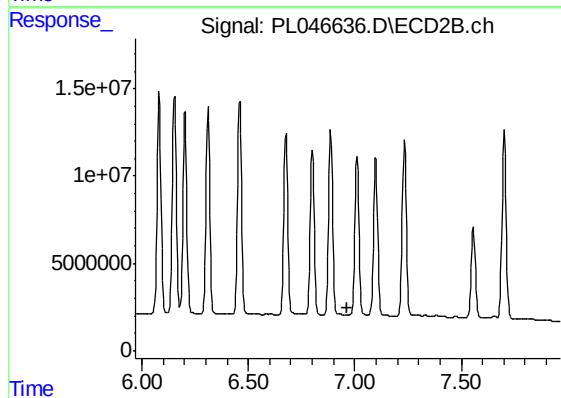
#26 Chlordane-4

R.T.: 6.153 min  
Delta R.T.: -0.010 min  
Response: 160549572  
Conc: 347.94 ng/ml



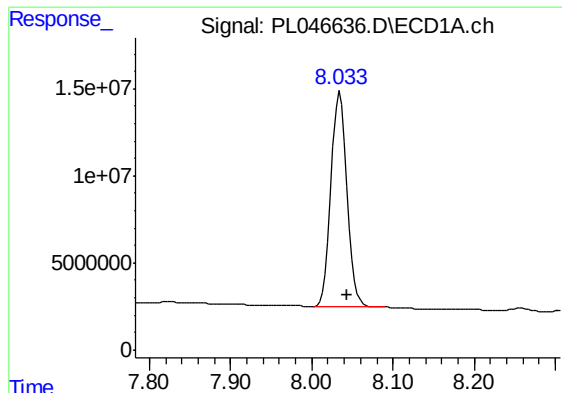
#27 Chlordane-5

R.T.: 6.128 min  
Delta R.T.: -0.012 min  
Response: 484945437  
Conc: 1421.01 ng/ml



#27 Chlordane-5

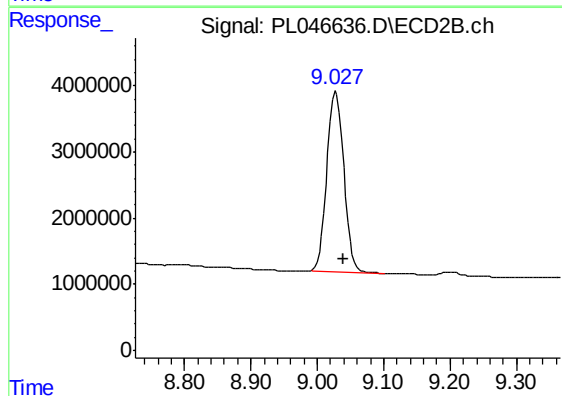
R.T.: 0.000 min  
Exp R.T. : 6.967 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.034 min  
Delta R.T.: -0.010 min  
Response: 168458907  
Conc: 20.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TT-001-IDWSO-20190325MS



#28 Decachlorobiphenyl

R.T.: 9.028 min  
Delta R.T.: -0.012 min  
Response: 48534155  
Conc: 20.93 ng/ml