

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL062119\  
 Data File : PL049773.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Jun 2019 20:25  
 Operator : SM\AJ  
 Sample : K3470-02MSD 5X  
 Misc :  
 ALS Vial : 32 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SAMPLE-4MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 21 23:16:29 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL062019.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Jun 21 02:23:20 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... | 3.323 | 3.934  | 44239068 | 11903236 | 3.923   | 3.888     |
| 28)                         | SA Decachlor... | 7.989 | 8.971  | 40450336 | 12337235 | 3.183   | 3.675     |
| Target Compounds            |                 |       |        |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.750 | 4.323  | 163.2E6  | 37408585 | 8.689   | 8.356     |
| 3)                          | MA gamma-BHC... | 4.026 | 4.606  | 160.4E6  | 36075019 | 9.048   | 8.697     |
| 4)                          | MA Heptachlor   | 4.310 | 5.109  | 161.1E6  | 38529092 | 8.865   | 8.901     |
| 5)                          | MB Aldrin       | 4.549 | 5.411  | 147.4E6  | 33432458 | 8.534   | 8.535     |
| 6)                          | B beta-BHC      | 4.281 | 4.782  | 67624017 | 16079276 | 9.245   | 8.301     |
| 7)                          | B delta-BHC     | 4.474 | 4.995  | 137.1E6  | 34424326 | 7.664   | 8.740     |
| 8)                          | B Heptachlor... | 4.986 | 5.798  | 142.7E6  | 34844626 | 8.866   | 9.584     |
| 9)                          | A Endosulfan I  | 5.316 | 6.154  | 138.7E6  | 31238400 | 8.963   | 9.195     |
| 10)                         | B gamma-Chl...  | 5.208 | 6.032  | 146.2E6  | 31642554 | 8.556   | 8.491     |
| 11)                         | B alpha-Chl...  | 5.264 | 6.104  | 144.1E6  | 32346584 | 8.681   | 8.746     |
| 12)                         | B 4,4'-DDE      | 5.432 | 6.264  | 137.2E6  | 29510664 | 8.235   | 8.504     |
| 13)                         | MA Dieldrin     | 5.555 | 6.410  | 137.9E6  | 30819632 | 8.278   | 8.688     |
| 14)                         | MA Endrin       | 5.808 | 6.627  | 148.2E6  | 27153651 | 9.256   | 8.601     |
| 15)                         | B Endosulfa...  | 6.083 | 6.839  | 124.6E6  | 30184778 | 8.548   | 9.372     |
| 16)                         | A 4,4'-DDD      | 5.943 | 6.755  | 129.8E6  | 23737120 | 10.284  | 9.080     |
| 17)                         | MA 4,4'-DDT     | 6.177 | 7.051  | 100.4E6  | 24685323 | 7.562   | 8.429     |
| 18)                         | B Endrin al...  | 6.250 | 6.963  | 94238673 | 24483783 | 7.978   | 8.915     |
| 19)                         | B Endosulfa...  | 6.462 | 7.186  | 107.9E6  | 28026855 | 8.318   | 9.313     |
| 20)                         | A Methoxychlor  | 6.722 | 7.513  | 52974650 | 15543739 | 8.127   | 9.326     |
| 21)                         | B Endrin ke...  | 6.943 | 7.655  | 112.8E6  | 29849795 | 8.024   | 9.579     |
| 22)                         | Mirex           | 7.117 | 8.104  | 90836379 | 25268938 | 8.788   | 9.993     |
| 24)                         | Chlordane-2     | 0.000 | 5.411f | 0        | 33432458 | N.D.    | 215.221 # |
| 25)                         | Chlordane-3     | 5.208 | 6.032  | 146.2E6  | 31642554 | 77.845  | 63.587    |
| 26)                         | Chlordane-4     | 5.264 | 6.104  | 144.1E6  | 32346584 | 82.571  | 54.424 #  |
| 27)                         | Chlordane-5     | 6.083 | 0.000  | 124.6E6  | 0        | 221.945 | N.D. #    |
| -----                       |                 |       |        |          |          |         |           |

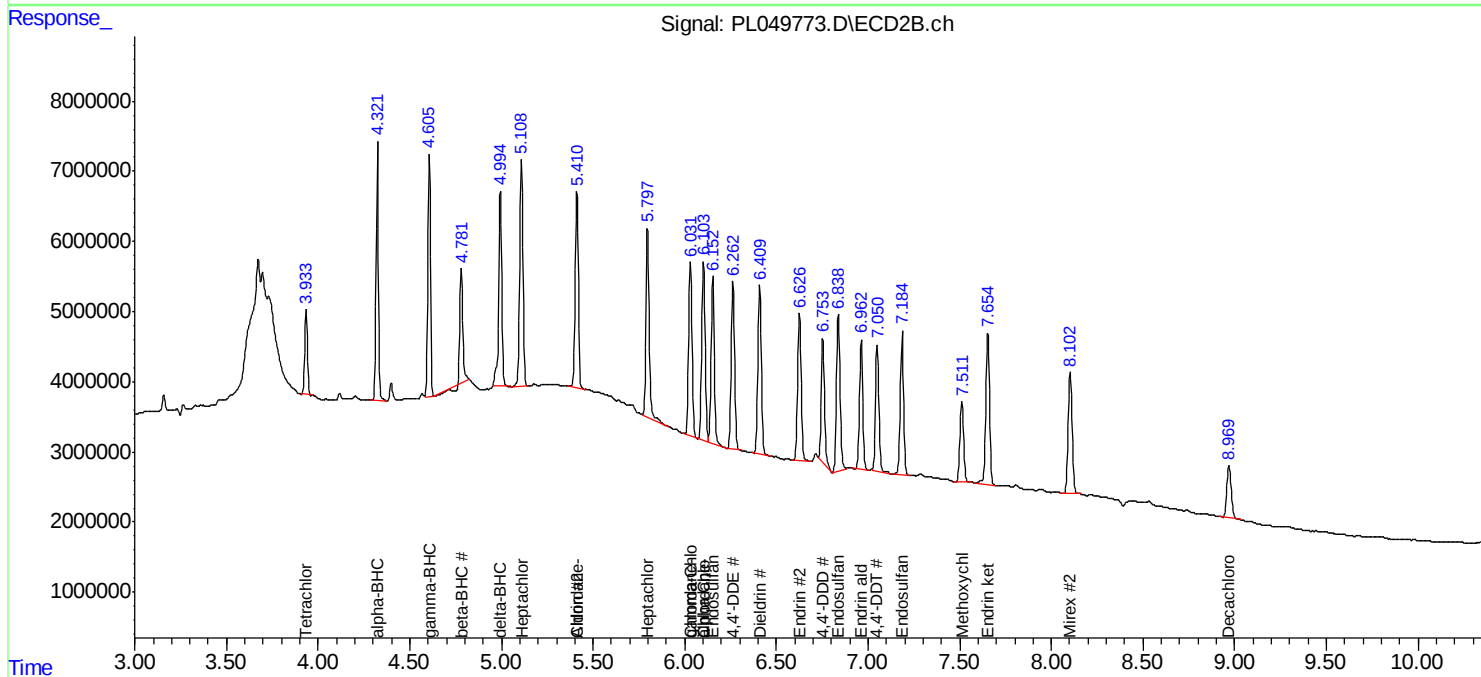
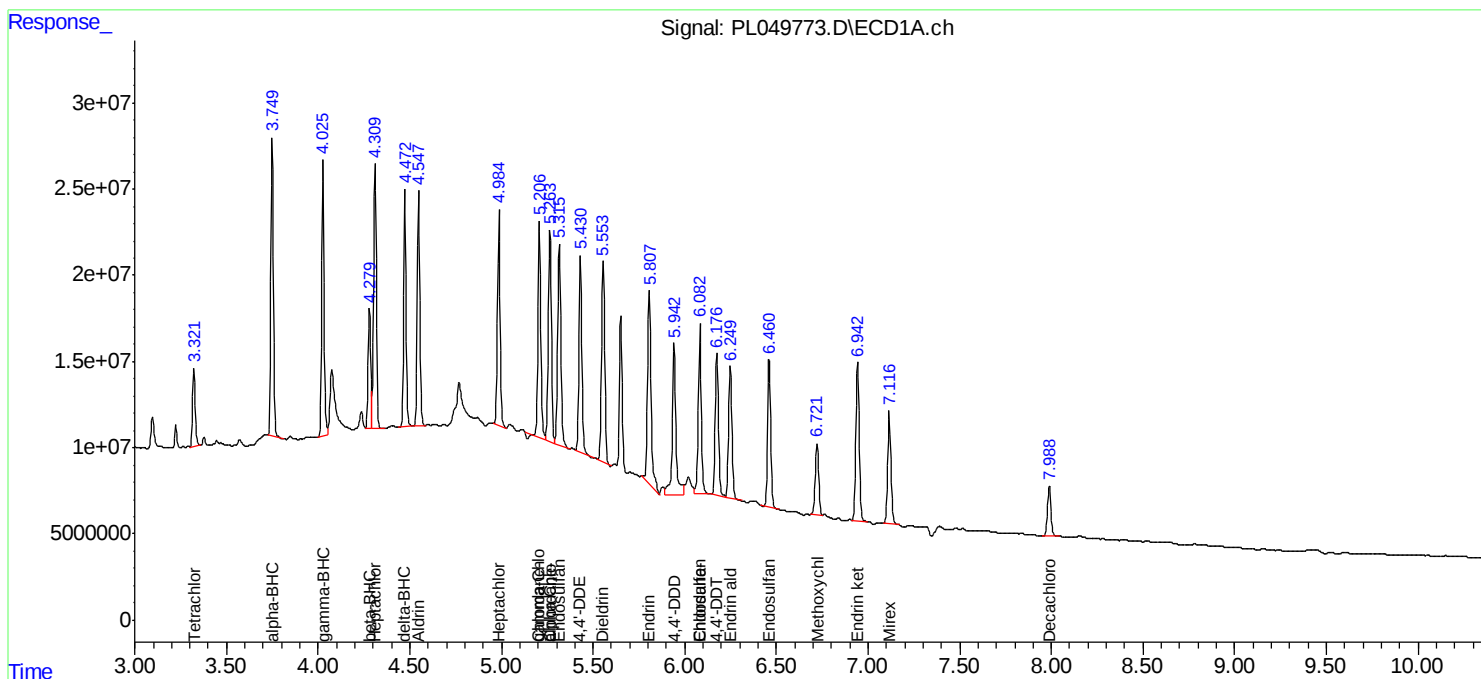
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

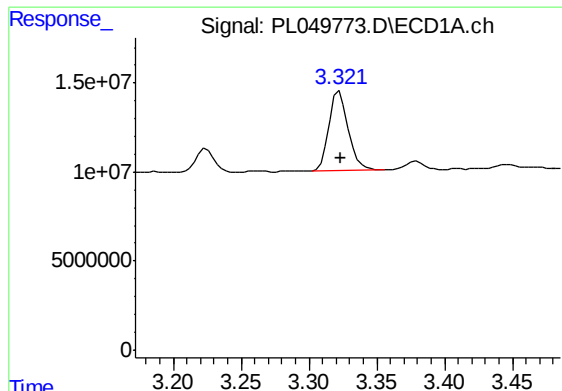
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL062119\  
Data File : PL049773.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 21 Jun 2019 20:25  
Operator : SM\AJ  
Sample : K3470-02MSD 5X  
Misc :  
ALS Vial : 32 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampled :  
SAMPLE-4MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 21 23:16:29 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL062019.M  
Quant Title : GC Extractables  
QLast Update : Fri Jun 21 02:23:20 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

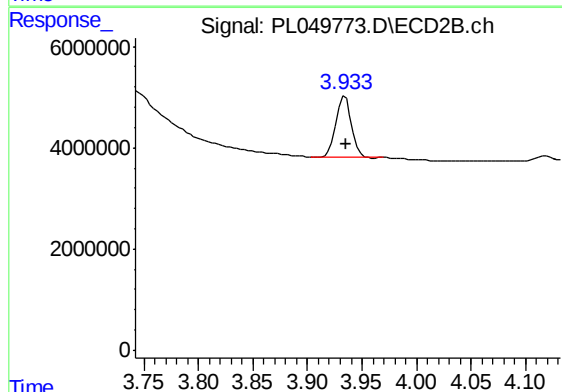




#1 Tetrachloro-m-xylene

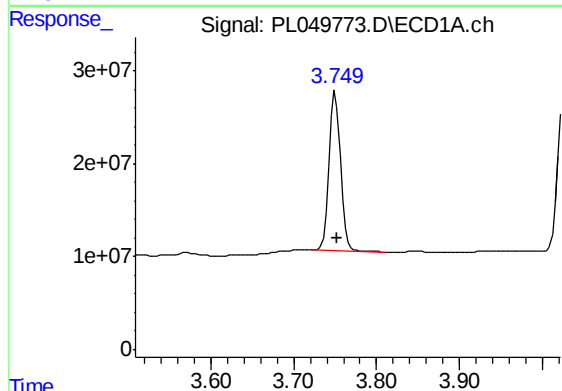
R.T.: 3.323 min  
Delta R.T.: -0.001 min  
Response: 44239068  
Conc: 3.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



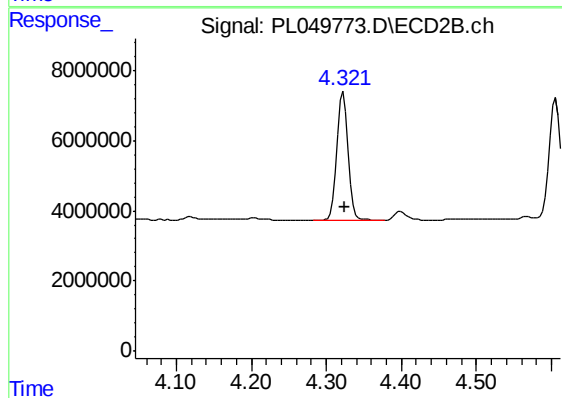
#1 Tetrachloro-m-xylene

R.T.: 3.934 min  
Delta R.T.: 0.000 min  
Response: 11903236  
Conc: 3.89 ng/ml



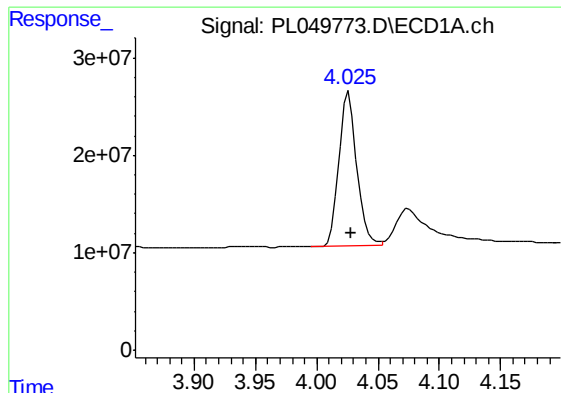
#2 alpha-BHC

R.T.: 3.750 min  
Delta R.T.: -0.001 min  
Response: 163245782  
Conc: 8.69 ng/ml



#2 alpha-BHC

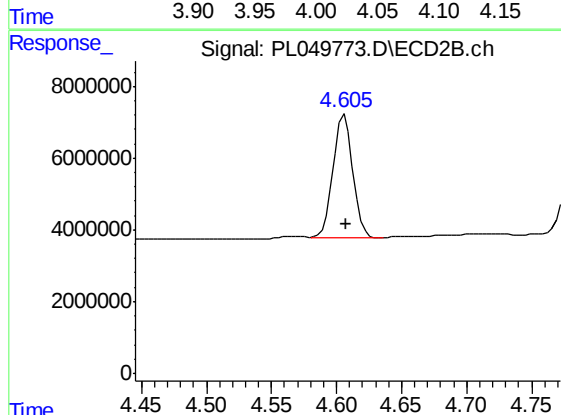
R.T.: 4.323 min  
Delta R.T.: -0.001 min  
Response: 37408585  
Conc: 8.36 ng/ml



#3 gamma-BHC (Lindane)

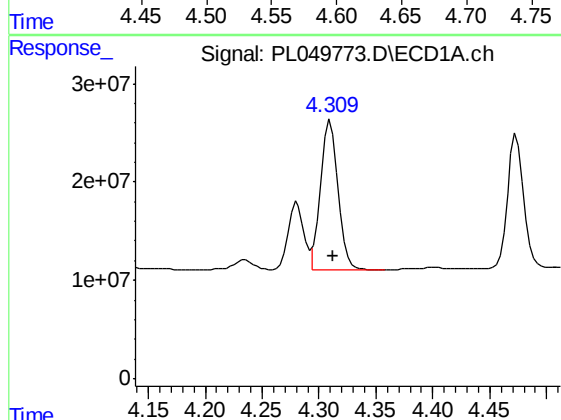
R.T.: 4.026 min  
Delta R.T.: -0.001 min  
Response: 160431672  
Conc: 9.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



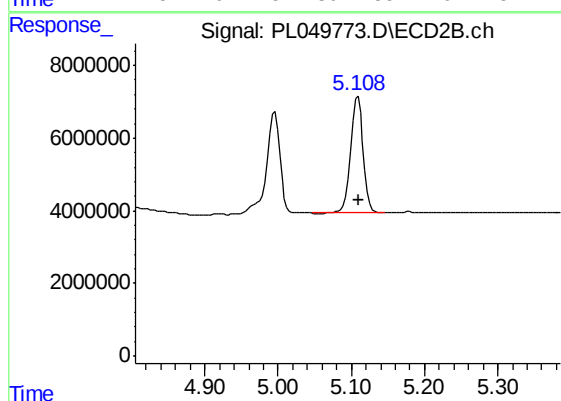
#3 gamma-BHC (Lindane)

R.T.: 4.606 min  
Delta R.T.: -0.001 min  
Response: 36075019  
Conc: 8.70 ng/ml



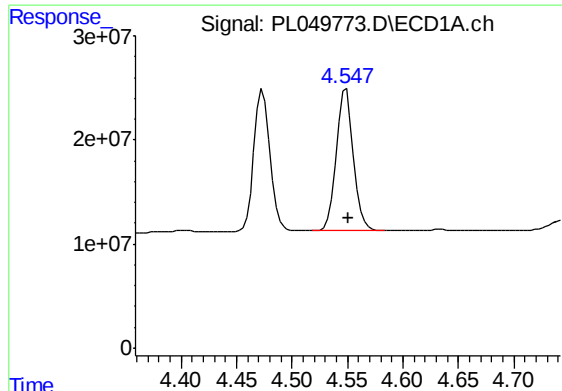
#4 Heptachlor

R.T.: 4.310 min  
Delta R.T.: -0.002 min  
Response: 161141595  
Conc: 8.87 ng/ml



#4 Heptachlor

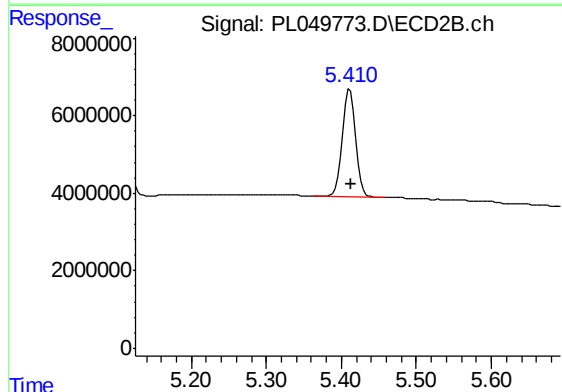
R.T.: 5.109 min  
Delta R.T.: -0.001 min  
Response: 38529092  
Conc: 8.90 ng/ml



#5 Aldrin

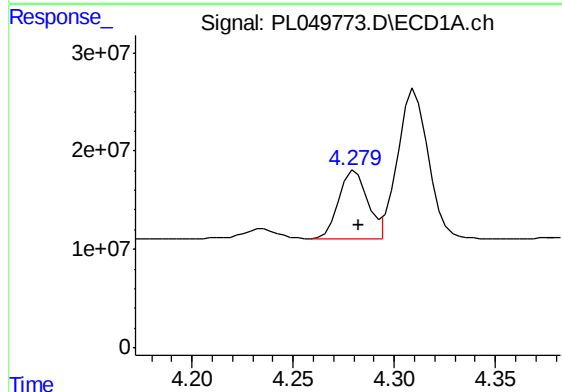
R.T.: 4.549 min  
Delta R.T.: -0.002 min  
Response: 147367909  
Conc: 8.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



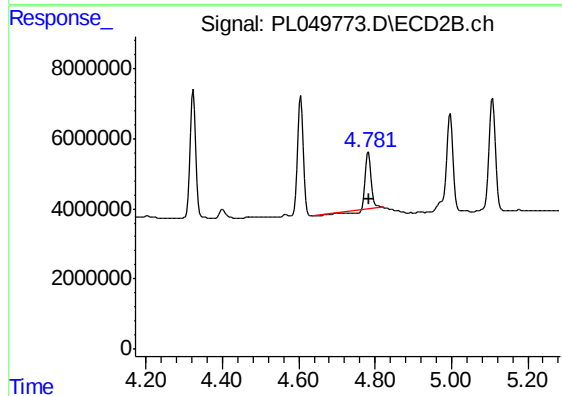
#5 Aldrin

R.T.: 5.411 min  
Delta R.T.: -0.002 min  
Response: 33432458  
Conc: 8.54 ng/ml



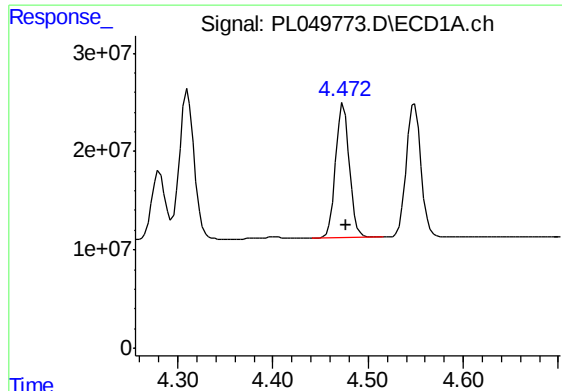
#6 beta-BHC

R.T.: 4.281 min  
Delta R.T.: -0.001 min  
Response: 67624017  
Conc: 9.24 ng/ml



#6 beta-BHC

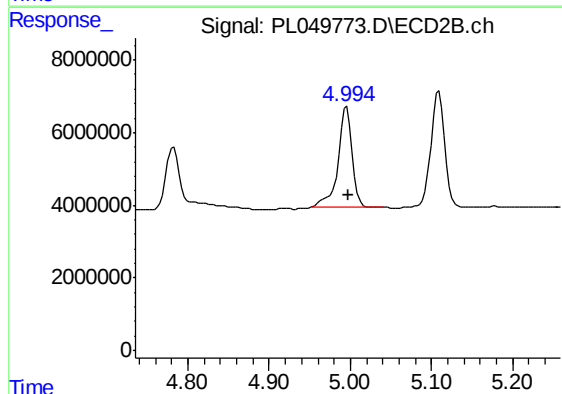
R.T.: 4.782 min  
Delta R.T.: -0.001 min  
Response: 16079276  
Conc: 8.30 ng/ml



#7 delta-BHC

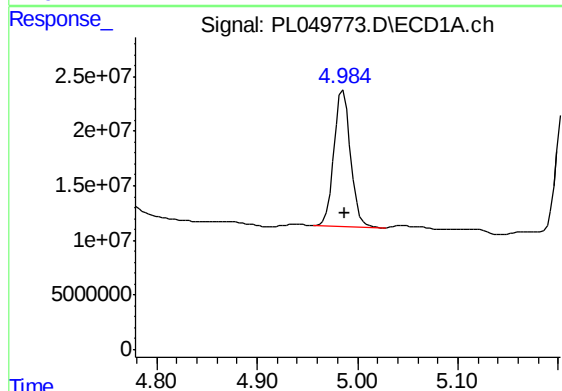
R.T.: 4.474 min  
Delta R.T.: -0.002 min  
Response: 137057767  
Conc: 7.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



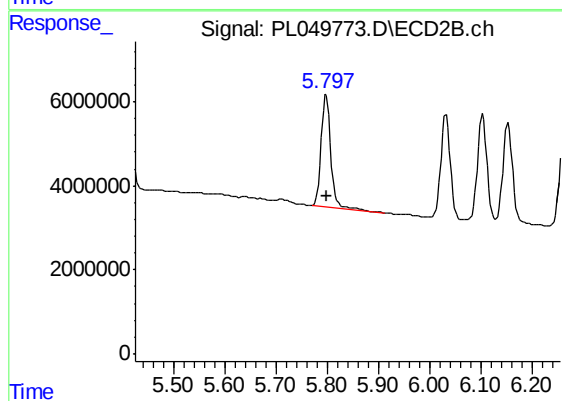
#7 delta-BHC

R.T.: 4.995 min  
Delta R.T.: -0.002 min  
Response: 34424326  
Conc: 8.74 ng/ml



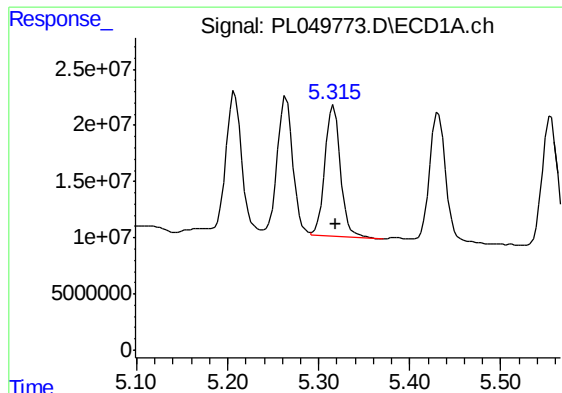
#8 Heptachlor epoxide

R.T.: 4.986 min  
Delta R.T.: -0.002 min  
Response: 142717780  
Conc: 8.87 ng/ml



#8 Heptachlor epoxide

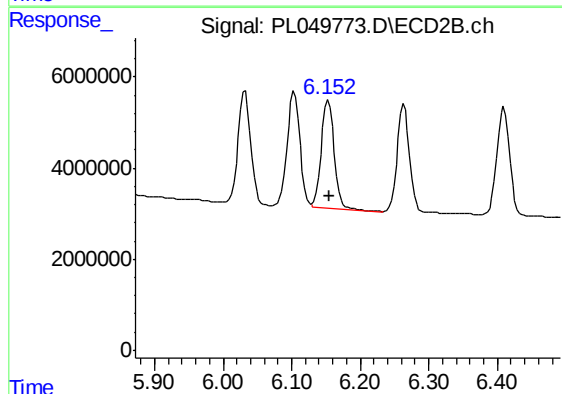
R.T.: 5.798 min  
Delta R.T.: -0.002 min  
Response: 34844626  
Conc: 9.58 ng/ml



#9 Endosulfan I

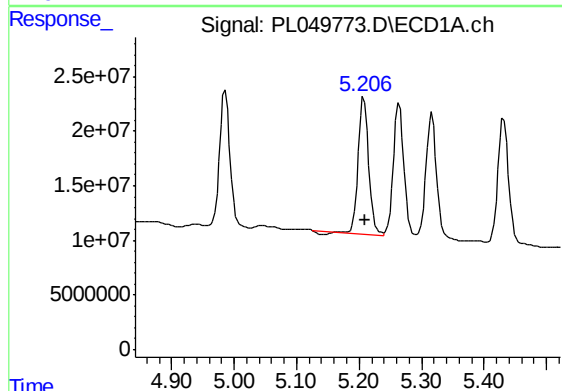
R.T.: 5.316 min  
Delta R.T.: -0.002 min  
Response: 138679738  
Conc: 8.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



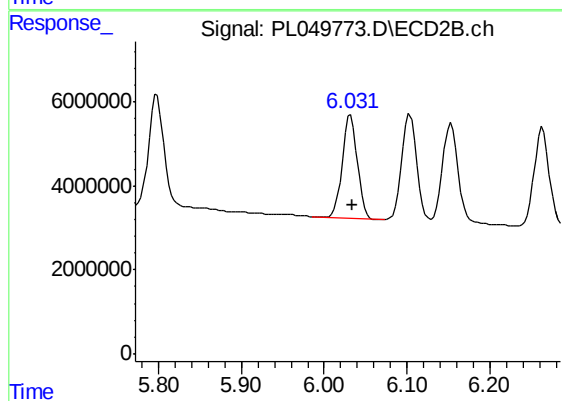
#9 Endosulfan I

R.T.: 6.154 min  
Delta R.T.: -0.002 min  
Response: 31238400  
Conc: 9.19 ng/ml



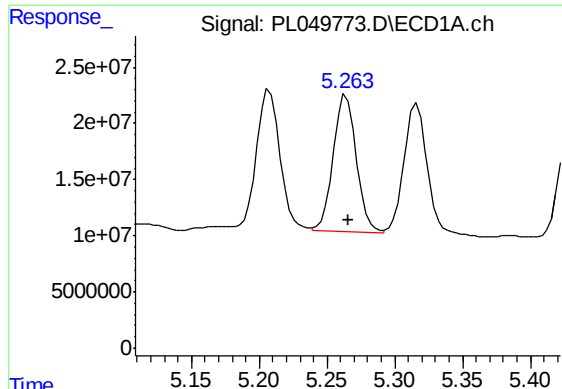
#10 gamma-Chlordane

R.T.: 5.208 min  
Delta R.T.: -0.003 min  
Response: 146209539  
Conc: 8.56 ng/ml



#10 gamma-Chlordane

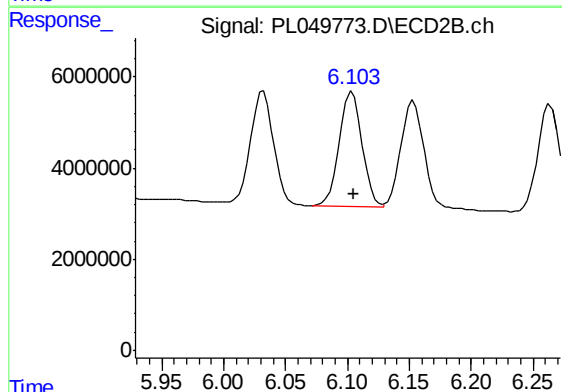
R.T.: 6.032 min  
Delta R.T.: -0.002 min  
Response: 31642554  
Conc: 8.49 ng/ml



#11 alpha-Chlordane

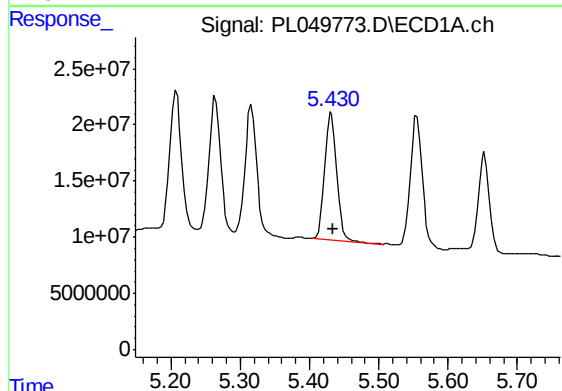
R.T.: 5.264 min  
Delta R.T.: -0.002 min  
Response: 144098853  
Conc: 8.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



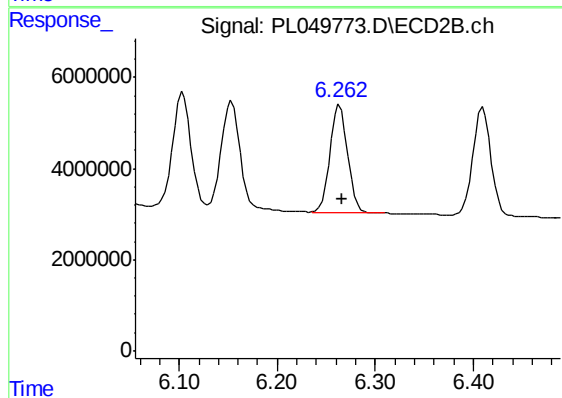
#11 alpha-Chlordane

R.T.: 6.104 min  
Delta R.T.: -0.001 min  
Response: 32346584  
Conc: 8.75 ng/ml



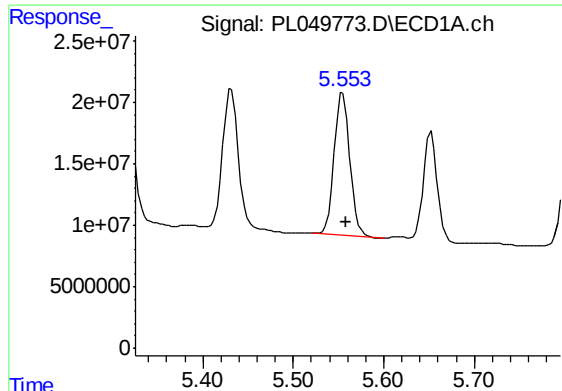
#12 4,4'-DDE

R.T.: 5.432 min  
Delta R.T.: -0.003 min  
Response: 137181339  
Conc: 8.23 ng/ml



#12 4,4'-DDE

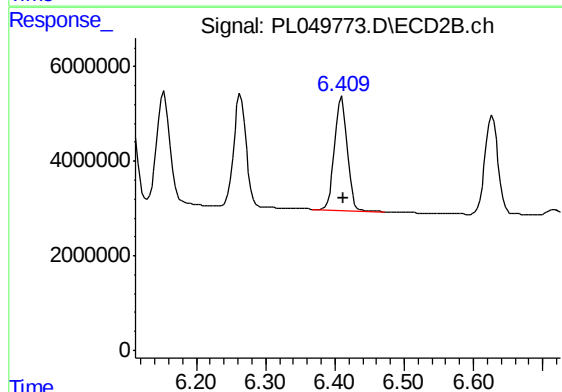
R.T.: 6.264 min  
Delta R.T.: -0.002 min  
Response: 29510664  
Conc: 8.50 ng/ml



#13 Dieldrin

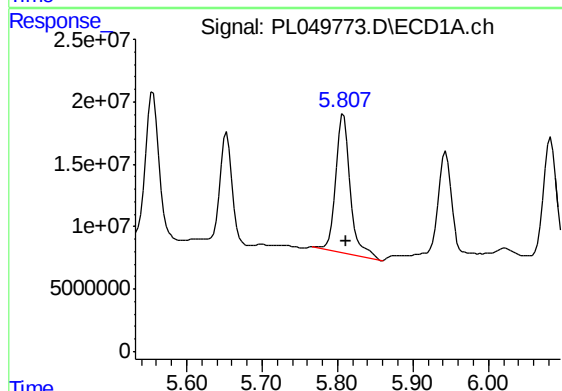
R.T.: 5.555 min  
Delta R.T.: -0.003 min  
Response: 137886462  
Conc: 8.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



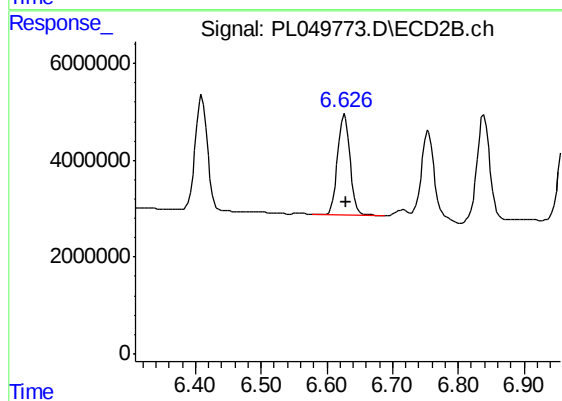
#13 Dieldrin

R.T.: 6.410 min  
Delta R.T.: -0.002 min  
Response: 30819632  
Conc: 8.69 ng/ml



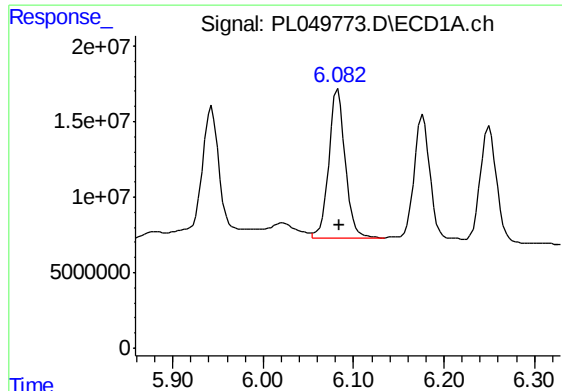
#14 Endrin

R.T.: 5.808 min  
Delta R.T.: -0.003 min  
Response: 148238780  
Conc: 9.26 ng/ml



#14 Endrin

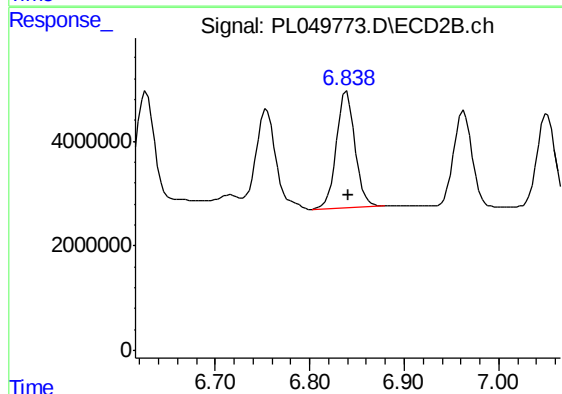
R.T.: 6.627 min  
Delta R.T.: -0.002 min  
Response: 27153651  
Conc: 8.60 ng/ml



#15 Endosulfan II

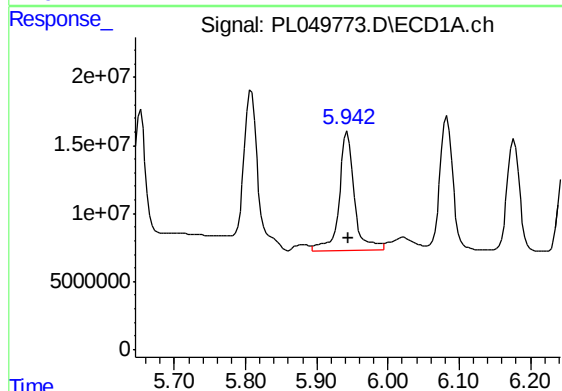
R.T.: 6.083 min  
Delta R.T.: -0.002 min  
Response: 124556956  
Conc: 8.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



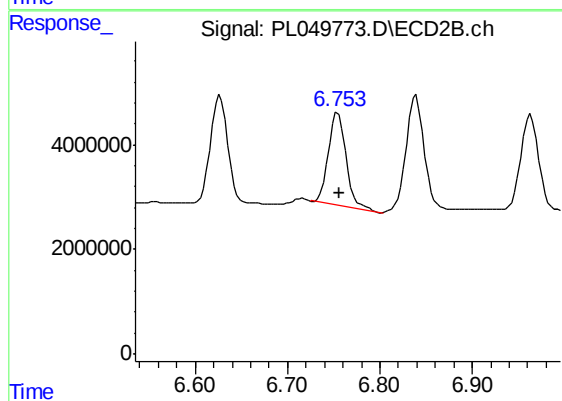
#15 Endosulfan II

R.T.: 6.839 min  
Delta R.T.: -0.002 min  
Response: 30184778  
Conc: 9.37 ng/ml



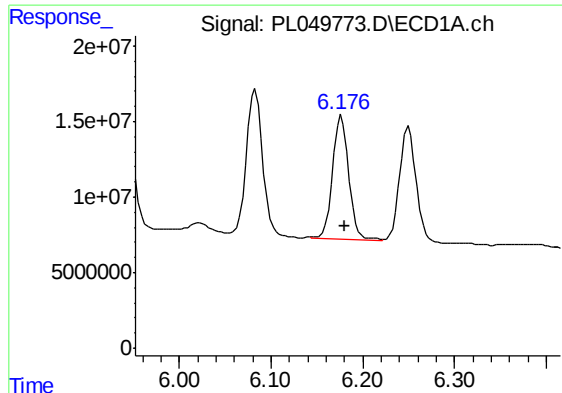
#16 4,4'-DDD

R.T.: 5.943 min  
Delta R.T.: -0.002 min  
Response: 129824542  
Conc: 10.28 ng/ml



#16 4,4'-DDD

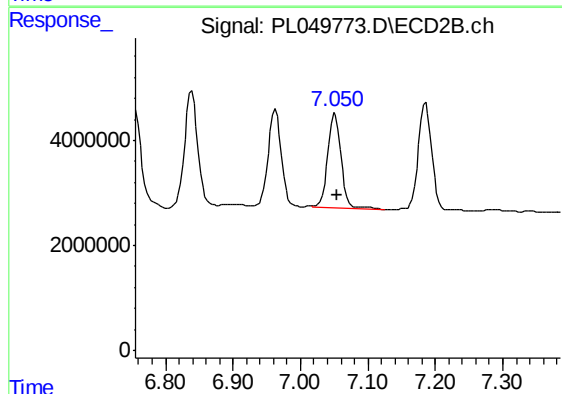
R.T.: 6.755 min  
Delta R.T.: -0.002 min  
Response: 23737120  
Conc: 9.08 ng/ml



#17 4,4'-DDT

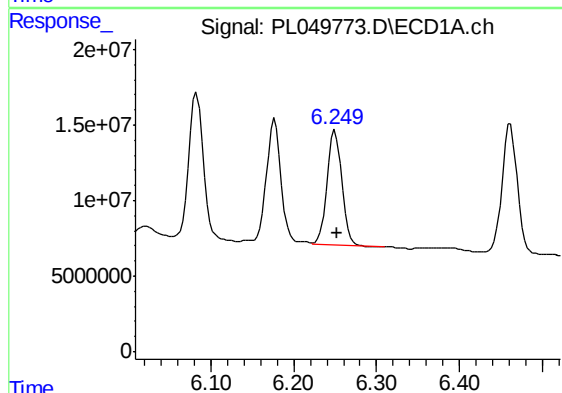
R.T.: 6.177 min  
Delta R.T.: -0.003 min  
Response: 100393846  
Conc: 7.56 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



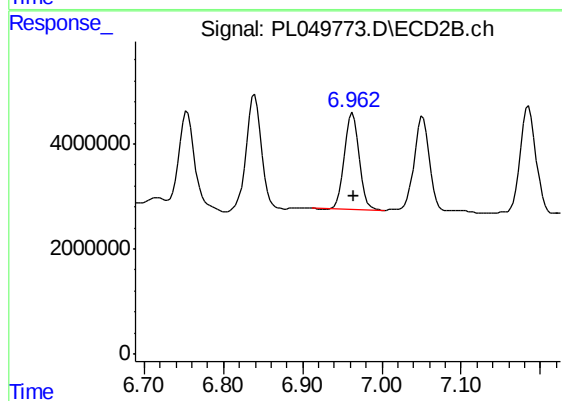
#17 4,4'-DDT

R.T.: 7.051 min  
Delta R.T.: -0.003 min  
Response: 24685323  
Conc: 8.43 ng/ml



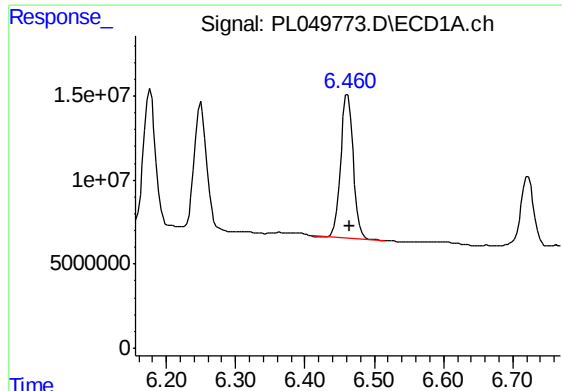
#18 Endrin aldehyde

R.T.: 6.250 min  
Delta R.T.: -0.003 min  
Response: 94238673  
Conc: 7.98 ng/ml



#18 Endrin aldehyde

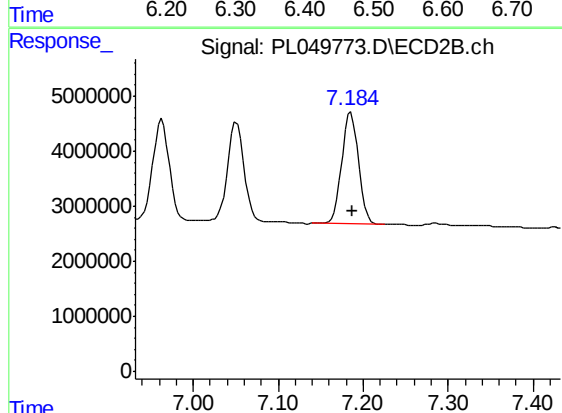
R.T.: 6.963 min  
Delta R.T.: -0.002 min  
Response: 24483783  
Conc: 8.91 ng/ml



#19 Endosulfan Sulfate

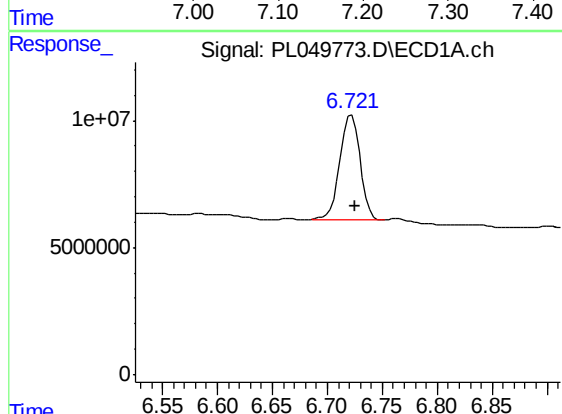
R.T.: 6.462 min  
Delta R.T.: -0.002 min  
Response: 107853156  
Conc: 8.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



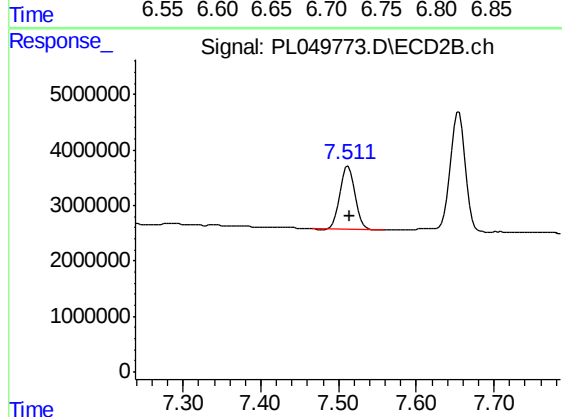
#19 Endosulfan Sulfate

R.T.: 7.186 min  
Delta R.T.: -0.002 min  
Response: 28026855  
Conc: 9.31 ng/ml



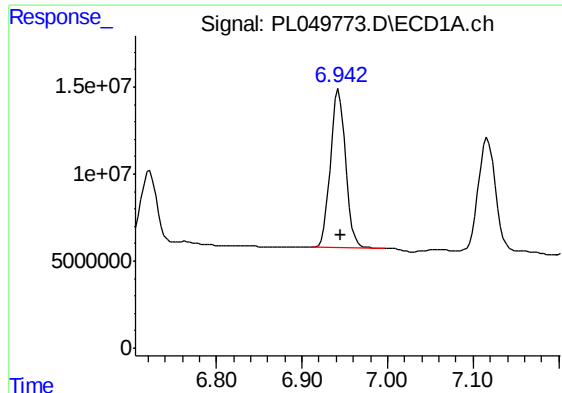
#20 Methoxychlor

R.T.: 6.722 min  
Delta R.T.: -0.003 min  
Response: 52974650  
Conc: 8.13 ng/ml



#20 Methoxychlor

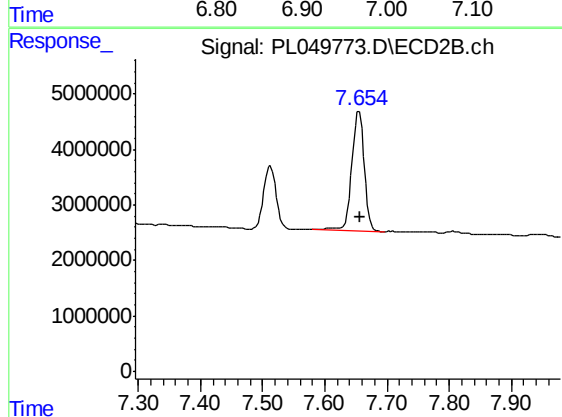
R.T.: 7.513 min  
Delta R.T.: -0.002 min  
Response: 15543739  
Conc: 9.33 ng/ml



#21 Endrin ketone

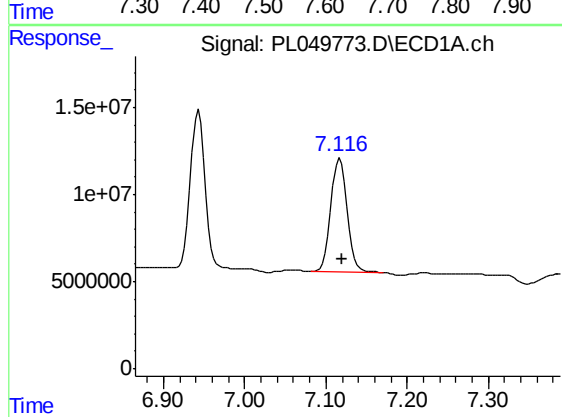
R.T.: 6.943 min  
Delta R.T.: -0.003 min  
Response: 112778651  
Conc: 8.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



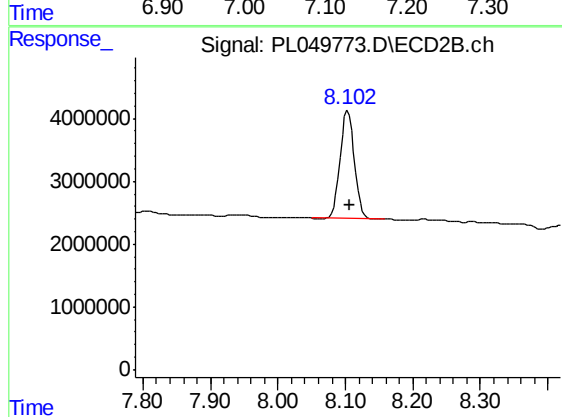
#21 Endrin ketone

R.T.: 7.655 min  
Delta R.T.: -0.002 min  
Response: 29849795  
Conc: 9.58 ng/ml



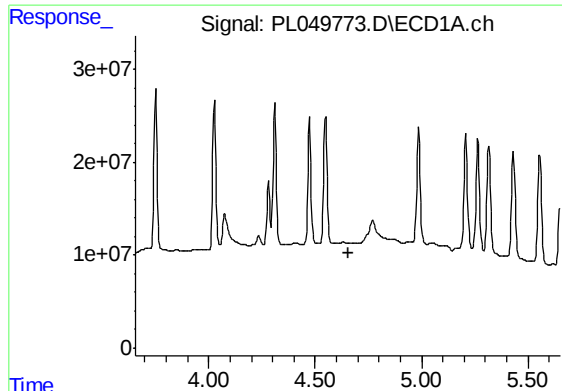
#22 Mirex

R.T.: 7.117 min  
Delta R.T.: -0.003 min  
Response: 90836379  
Conc: 8.79 ng/ml



#22 Mirex

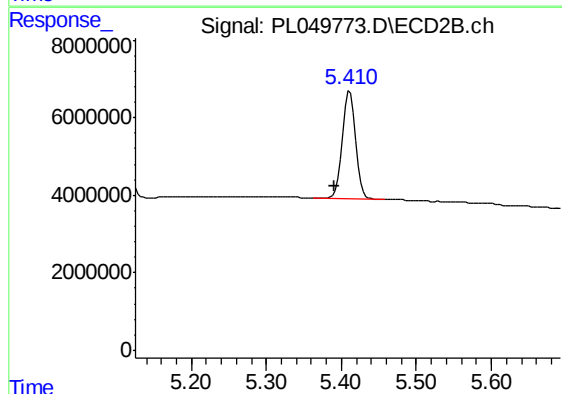
R.T.: 8.104 min  
Delta R.T.: -0.003 min  
Response: 25268938  
Conc: 9.99 ng/ml



#24 Chlordane-2

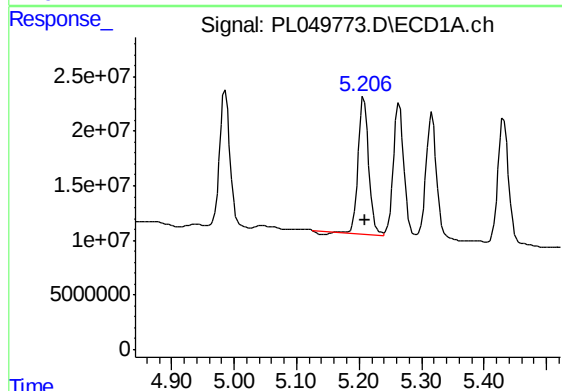
R.T.: 0.000 min  
Exp R.T.: 4.655 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



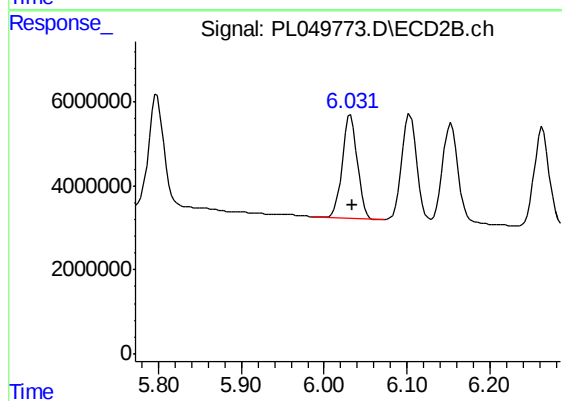
#24 Chlordane-2

R.T.: 5.411 min  
Delta R.T.: 0.021 min  
Response: 33432458  
Conc: 215.22 ng/ml



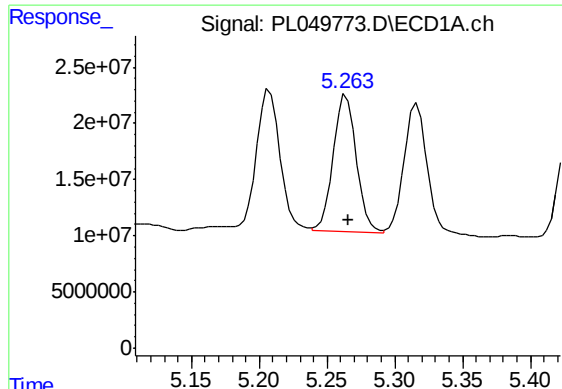
#25 Chlordane-3

R.T.: 5.208 min  
Delta R.T.: -0.003 min  
Response: 146209539  
Conc: 77.84 ng/ml



#25 Chlordane-3

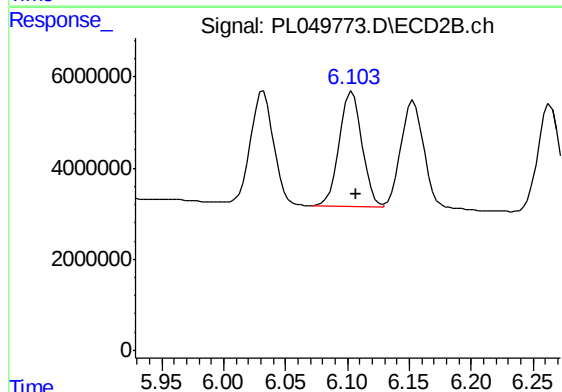
R.T.: 6.032 min  
Delta R.T.: -0.003 min  
Response: 31642554  
Conc: 63.59 ng/ml



#26 Chlordane-4

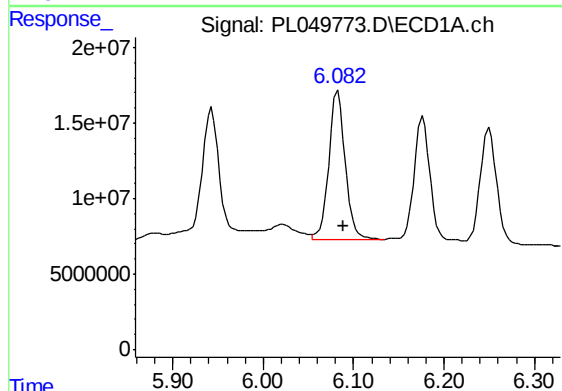
R.T.: 5.264 min  
Delta R.T.: -0.001 min  
Response: 144098853  
Conc: 82.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



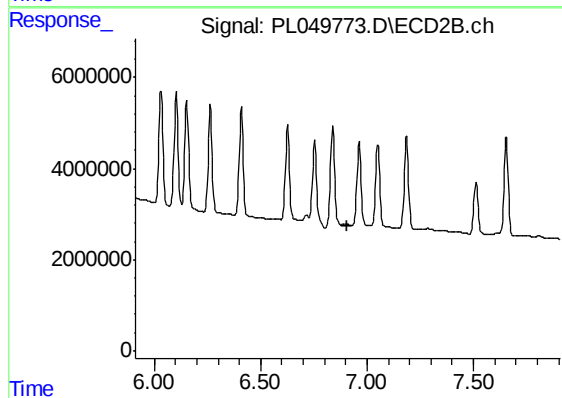
#26 Chlordane-4

R.T.: 6.104 min  
Delta R.T.: -0.003 min  
Response: 32346584  
Conc: 54.42 ng/ml



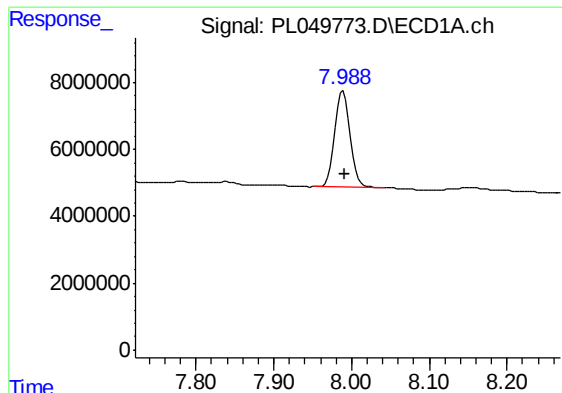
#27 Chlordane-5

R.T.: 6.083 min  
Delta R.T.: -0.005 min  
Response: 124556956  
Conc: 221.94 ng/ml



#27 Chlordane-5

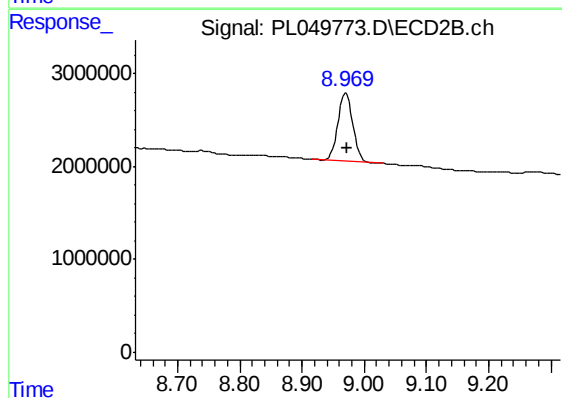
R.T.: 0.000 min  
Exp R.T. : 6.910 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.989 min  
Delta R.T.: -0.003 min  
Response: 40450336  
Conc: 3.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SAMPLE-4MSD



#28 Decachlorobiphenyl

R.T.: 8.971 min  
Delta R.T.: -0.002 min  
Response: 12337235  
Conc: 3.68 ng/ml