

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL030824\  
 Data File : PL088470.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Mar 2024 16:39  
 Operator : AR\AJ  
 Sample : P1601-03  
 Misc : PEST MDL 1PPB SOIL  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 MDL-SOIL-QT1-2024-01

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 08 21:53:34 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030824CLP.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 08 16:13:19 2024  
 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 x 0.50µm

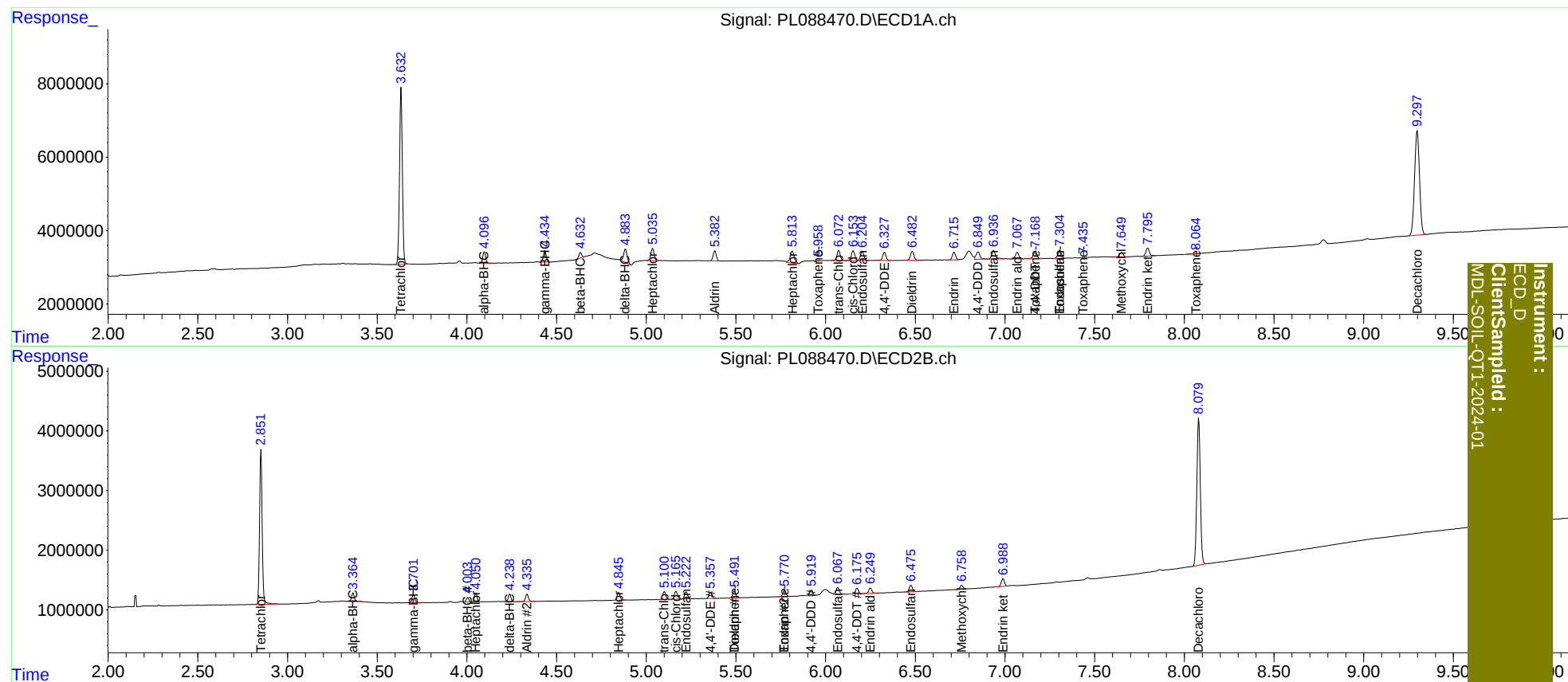
|                             | Compound        | RT#1   | RT#2   | Resp#1   | Resp#2   | ng/ml  | ng/ml     |
|-----------------------------|-----------------|--------|--------|----------|----------|--------|-----------|
| -----                       |                 |        |        |          |          |        |           |
| System Monitoring Compounds |                 |        |        |          |          |        |           |
| 1)                          | SA Tetrachlo... | 3.634  | 2.852  | 53077017 | 26417710 | 17.828 | 17.223    |
| 27)                         | SA Decachlor... | 9.298  | 8.080  | 54410368 | 33028900 | 22.062 | 22.767    |
| Target Compounds            |                 |        |        |          |          |        |           |
| 2)                          | A alpha-BHC     | 4.098  | 3.366  | 3457018  | 1593116  | 0.793  | 0.729     |
| 3)                          | MA gamma-BHC... | 4.436  | 3.703  | 3344588  | 1447064  | 0.804  | 0.696     |
| 4)                          | MA Heptachlor   | 5.036  | 4.051  | 4047031  | 1599866  | 0.951  | 0.782     |
| 5)                          | MB Aldrin       | 5.383  | 4.336  | 3400012  | 1443475  | 0.929  | 0.783     |
| 6)                          | B beta-BHC      | 4.634  | 4.004  | 1535975  | 769823   | 0.815  | 0.798     |
| 7)                          | B delta-BHC     | 4.884  | 4.239  | 4953619  | 1338252  | 1.187  | 0.658 #   |
| 8)                          | B Heptachlo...  | 5.815  | 4.847  | 5200697  | 1477230  | 1.399  | 0.833 #   |
| 9)                          | A Endosulfan I  | 6.205  | 5.223  | 3404798  | 1399722  | 1.014  | 0.832     |
| 10)                         | B trans-Chl...  | 6.073  | 5.101  | 3627577  | 1637751  | 1.059  | 0.939     |
| 11)                         | B cis-Chlor...  | 6.154  | 5.166  | 3647042  | 1622761  | 1.045  | 0.905     |
| 12)                         | B 4,4'-DDE      | 6.329  | 5.359  | 2816586  | 1273266  | 0.896  | 0.775     |
| 13)                         | MA Dieldrin     | 6.484  | 5.492  | 3324159  | 1433239  | 0.932  | 0.763     |
| 14)                         | MA Endrin       | 6.717  | 5.771  | 2592411  | 1282100  | 0.876  | 0.780     |
| 15)                         | B Endosulfa...  | 6.937  | 6.068  | 3272362  | 1616828  | 1.113  | 1.025     |
| 16)                         | A 4,4'-DDD      | 6.851  | 5.921  | 3053171  | 1048055  | 1.135  | 0.742 #   |
| 17)                         | MA 4,4'-DDT     | 7.169  | 6.176  | 2699061  | 1152300  | 0.939  | 0.732     |
| 18)                         | B Endrin al...  | 7.069  | 6.250  | 2354005  | 1065770  | 1.074  | 0.914     |
| 19)                         | B Endosulfa...  | 7.306  | 6.476  | 3003095  | 1348636  | 1.053  | 0.888     |
| 20)                         | A Methoxychlor  | 7.650  | 6.759  | 1629008  | 764527   | 1.045  | 0.886     |
| 21)                         | B Endrin ke...  | 7.796  | 6.990  | 3169327  | 1534982  | 1.059  | 0.887     |
| 22)                         | Toxaphene-1     | 5.960  | 5.492f | 408195   | 1433239  | 37.078 | 148.088 # |
| 23)                         | Toxaphene-2     | 7.169f | 5.771f | 2699061  | 1282100  | 30.527 | 116.437 # |
| 24)                         | Toxaphene-3     | 7.306  | 0.000  | 3003095  | 0        | 46.673 | N.D. #    |
| 25)                         | Toxaphene-4     | 7.437f | 0.000  | 25082    | 0        | 0.686  | N.D. #    |
| 26)                         | Toxaphene-5     | 8.065  | 0.000  | 111124   | 0        | 2.378  | N.D. #    |
| -----                       |                 |        |        |          |          |        |           |

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

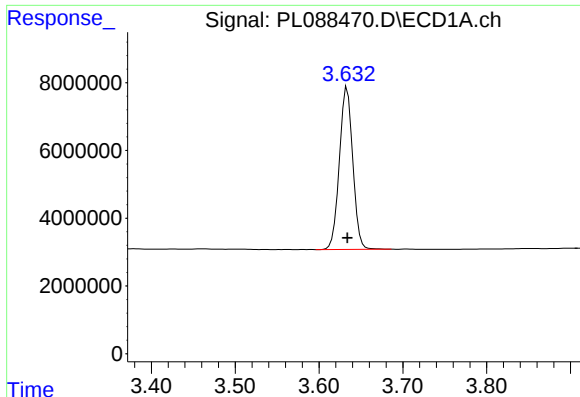
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL030824\  
Data File : PL088470.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 08 Mar 2024 16:39  
Operator : AR\AJ  
Sample : P1601-03  
Misc : PEST MDL 1PPB SOIL  
ALS Vial : 9 Sample Multiplier: 1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 08 21:53:34 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030824CLP.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 08 16:13:19 2024  
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 x 0.50µm



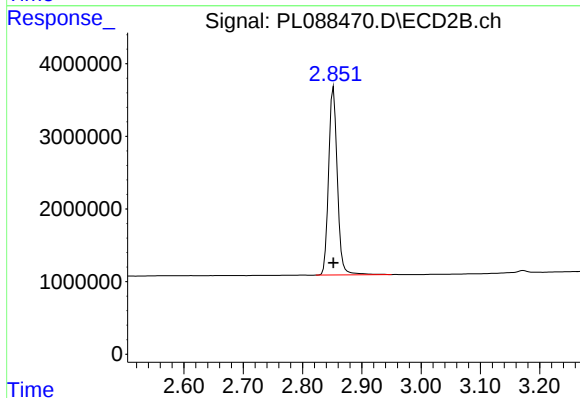
Instrument :  
ECD\_D  
ClientSample :  
MDL-SOIL-QT1-2024-01



#1 Tetrachloro-m-xylene

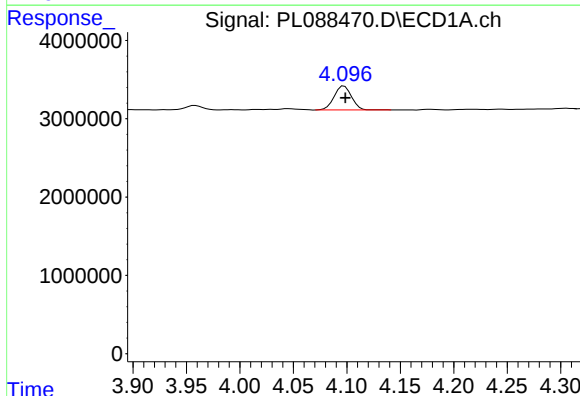
R.T.: 3.634 min  
Delta R.T.: 0.000 min  
Response: 53077017  
Conc: 17.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



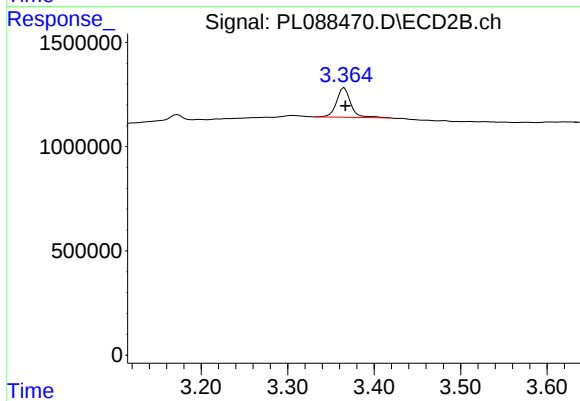
#1 Tetrachloro-m-xylene

R.T.: 2.852 min  
Delta R.T.: 0.000 min  
Response: 26417710  
Conc: 17.22 ng/ml



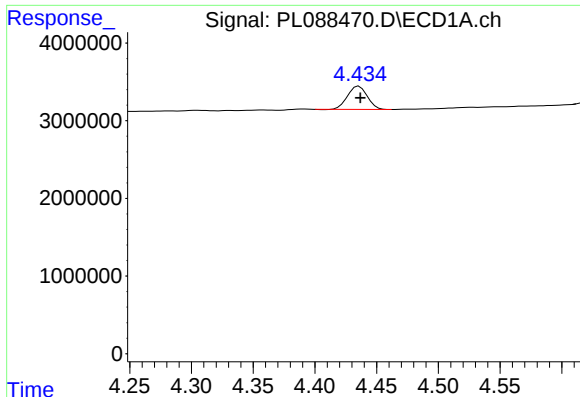
#2 alpha-BHC

R.T.: 4.098 min  
Delta R.T.: -0.001 min  
Response: 3457018  
Conc: 0.79 ng/ml



#2 alpha-BHC

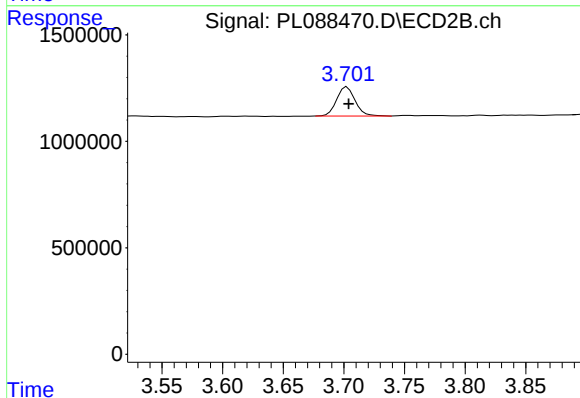
R.T.: 3.366 min  
Delta R.T.: -0.001 min  
Response: 1593116  
Conc: 0.73 ng/ml



#3 gamma-BHC (Lindane)

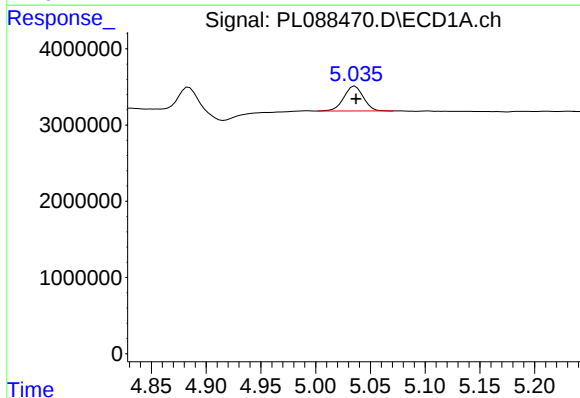
R.T.: 4.436 min  
Delta R.T.: -0.001 min  
Response: 3344588  
Conc: 0.80 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



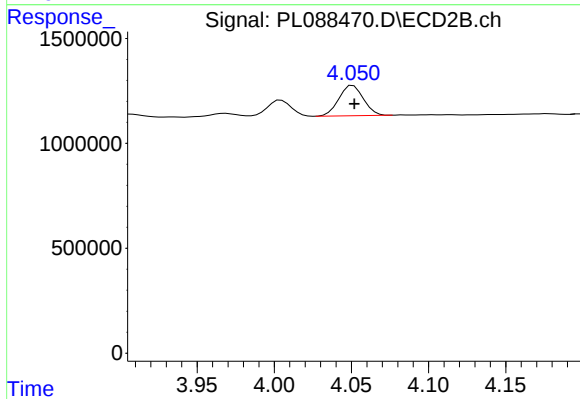
#3 gamma-BHC (Lindane)

R.T.: 3.703 min  
Delta R.T.: -0.001 min  
Response: 1447064  
Conc: 0.70 ng/ml



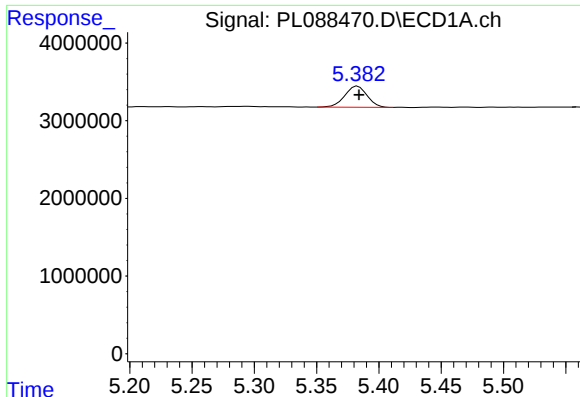
#4 Heptachlor

R.T.: 5.036 min  
Delta R.T.: 0.000 min  
Response: 4047031  
Conc: 0.95 ng/ml



#4 Heptachlor

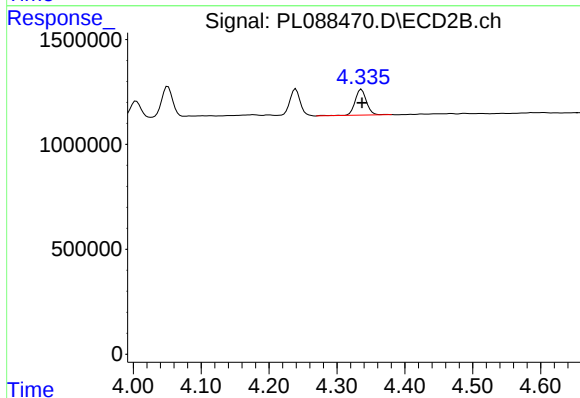
R.T.: 4.051 min  
Delta R.T.: 0.000 min  
Response: 1599866  
Conc: 0.78 ng/ml



#5 Aldrin

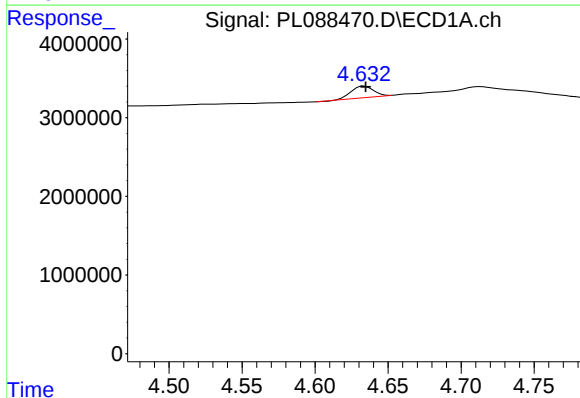
R.T.: 5.383 min  
Delta R.T.: -0.001 min  
Response: 3400012  
Conc: 0.93 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



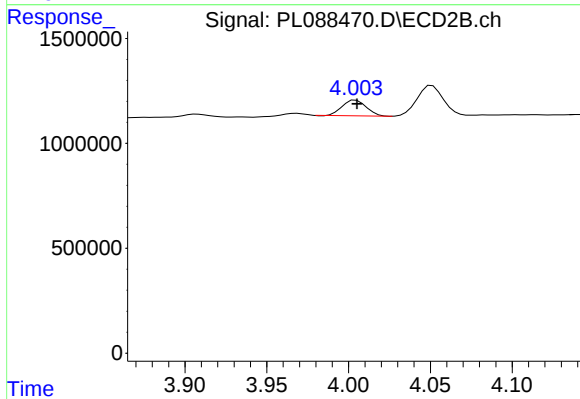
#5 Aldrin

R.T.: 4.336 min  
Delta R.T.: 0.000 min  
Response: 1443475  
Conc: 0.78 ng/ml



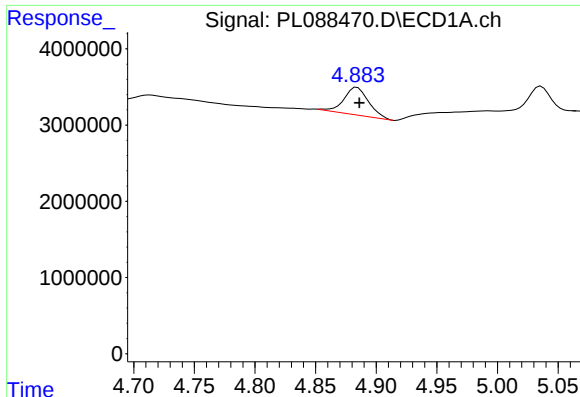
#6 beta-BHC

R.T.: 4.634 min  
Delta R.T.: 0.000 min  
Response: 1535975  
Conc: 0.82 ng/ml



#6 beta-BHC

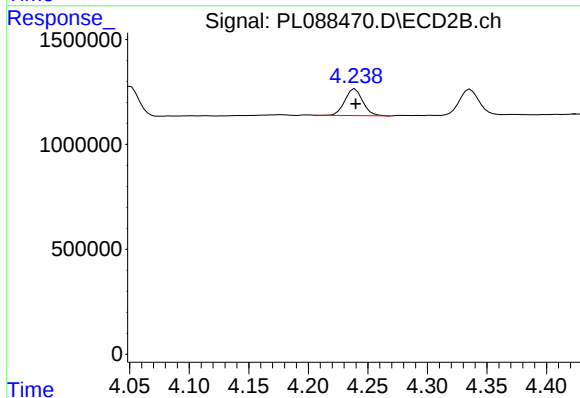
R.T.: 4.004 min  
Delta R.T.: 0.000 min  
Response: 769823  
Conc: 0.80 ng/ml



#7 delta-BHC

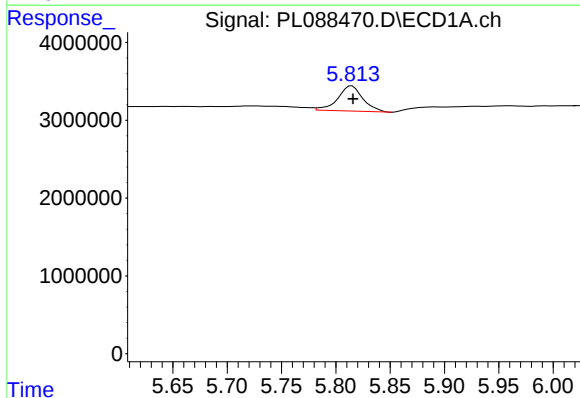
R.T.: 4.884 min  
Delta R.T.: -0.002 min  
Response: 4953619  
Conc: 1.19 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



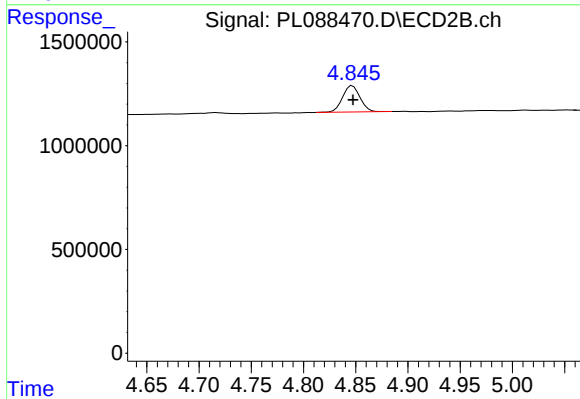
#7 delta-BHC

R.T.: 4.239 min  
Delta R.T.: 0.000 min  
Response: 1338252  
Conc: 0.66 ng/ml



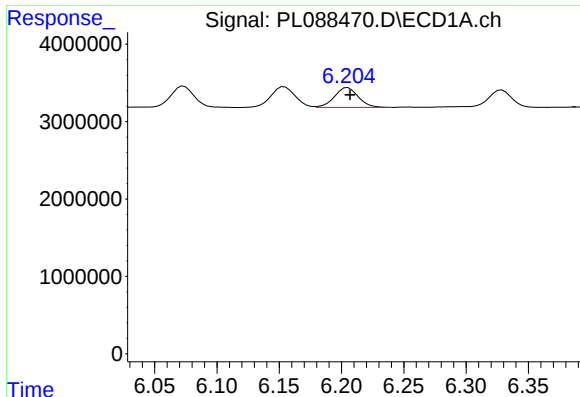
#8 Heptachlor epoxide

R.T.: 5.815 min  
Delta R.T.: -0.001 min  
Response: 5200697  
Conc: 1.40 ng/ml



#8 Heptachlor epoxide

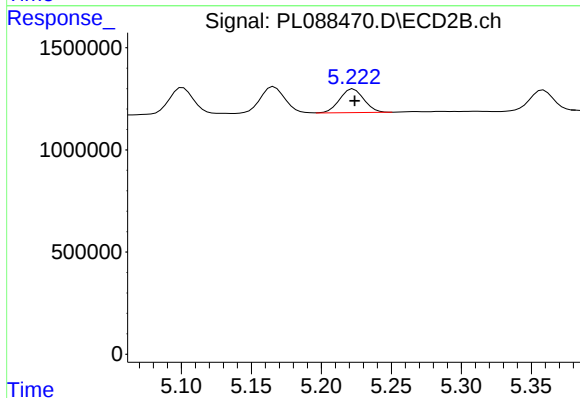
R.T.: 4.847 min  
Delta R.T.: 0.000 min  
Response: 1477230  
Conc: 0.83 ng/ml



#9 Endosulfan I

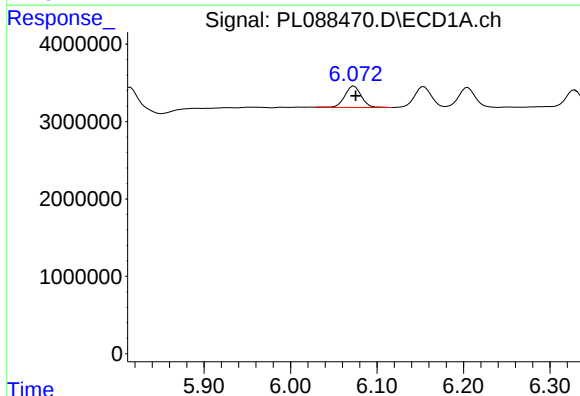
R.T.: 6.205 min  
Delta R.T.: -0.002 min  
Response: 3404798  
Conc: 1.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



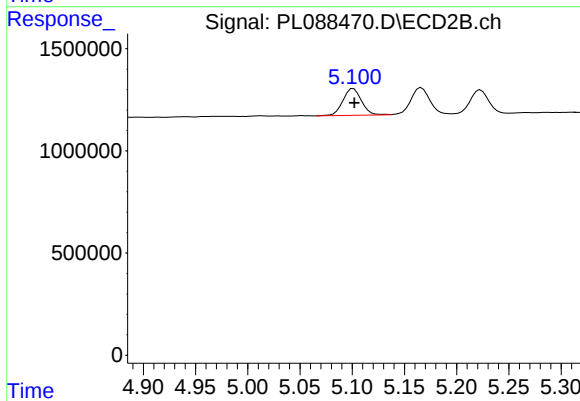
#9 Endosulfan I

R.T.: 5.223 min  
Delta R.T.: 0.000 min  
Response: 1399722  
Conc: 0.83 ng/ml



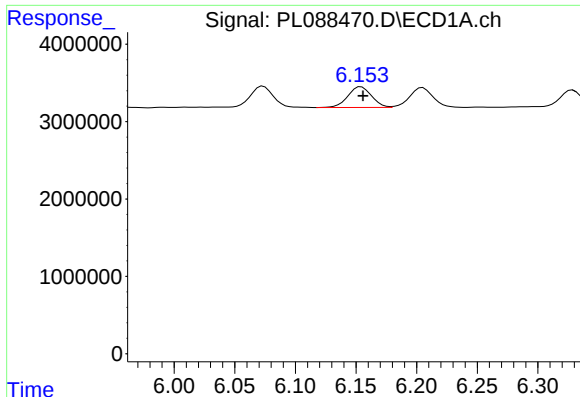
#10 trans-Chlordane

R.T.: 6.073 min  
Delta R.T.: -0.002 min  
Response: 3627577  
Conc: 1.06 ng/ml



#10 trans-Chlordane

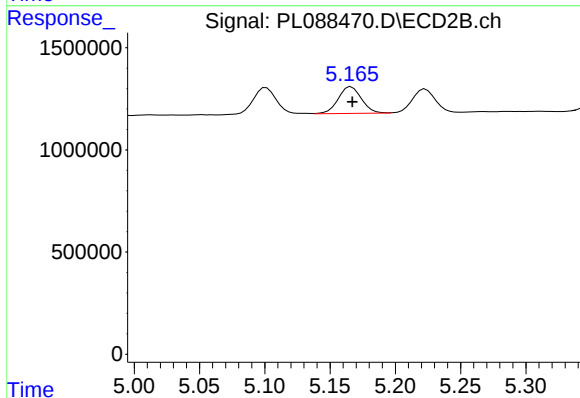
R.T.: 5.101 min  
Delta R.T.: 0.000 min  
Response: 1637751  
Conc: 0.94 ng/ml



#11 cis-Chlordane

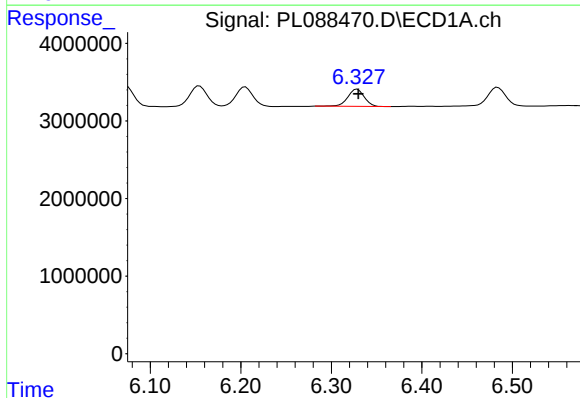
R.T.: 6.154 min  
Delta R.T.: -0.002 min  
Response: 3647042  
Conc: 1.04 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



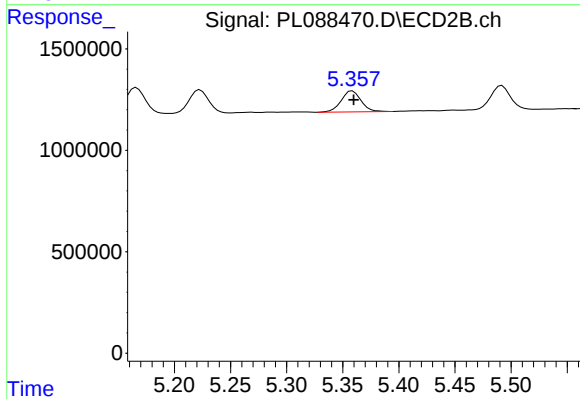
#11 cis-Chlordane

R.T.: 5.166 min  
Delta R.T.: 0.000 min  
Response: 1622761  
Conc: 0.90 ng/ml



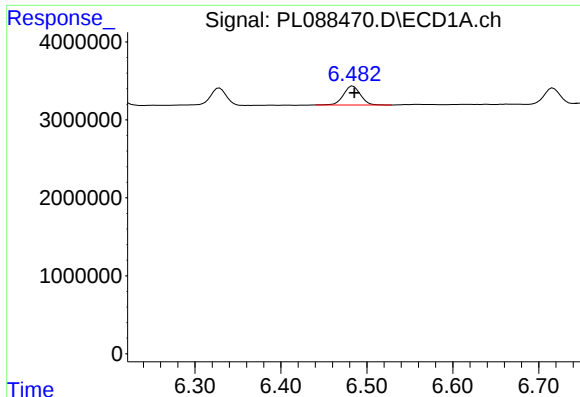
#12 4,4'-DDE

R.T.: 6.329 min  
Delta R.T.: -0.001 min  
Response: 2816586  
Conc: 0.90 ng/ml



#12 4,4'-DDE

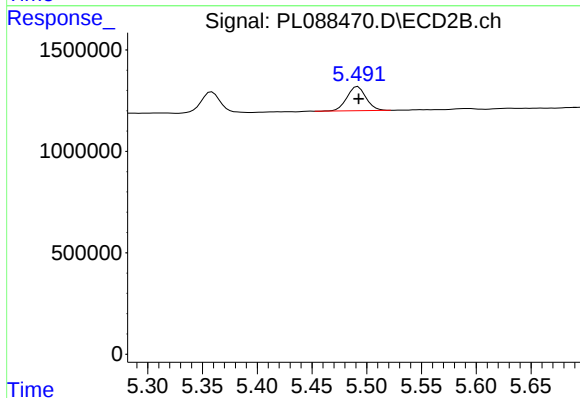
R.T.: 5.359 min  
Delta R.T.: -0.001 min  
Response: 1273266  
Conc: 0.77 ng/ml



#13 Dieldrin

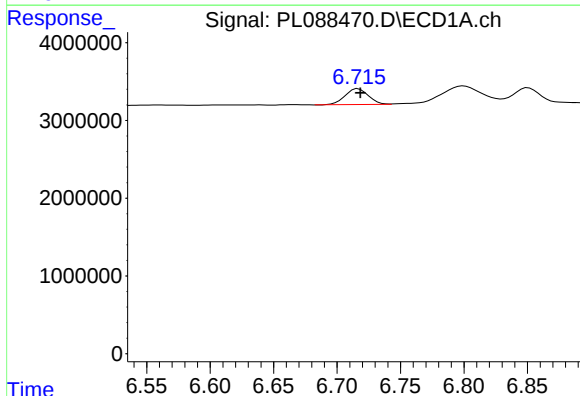
R.T.: 6.484 min  
Delta R.T.: -0.002 min  
Response: 3324159  
Conc: 0.93 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



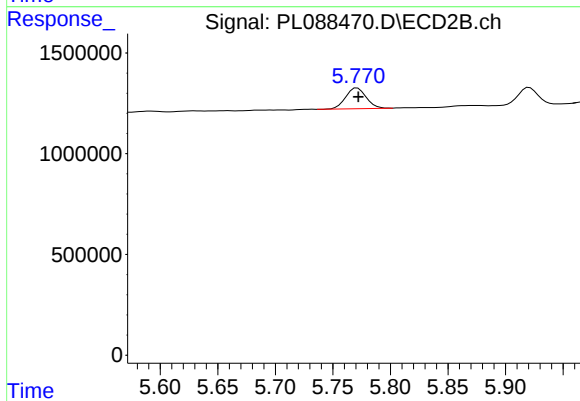
#13 Dieldrin

R.T.: 5.492 min  
Delta R.T.: 0.000 min  
Response: 1433239  
Conc: 0.76 ng/ml



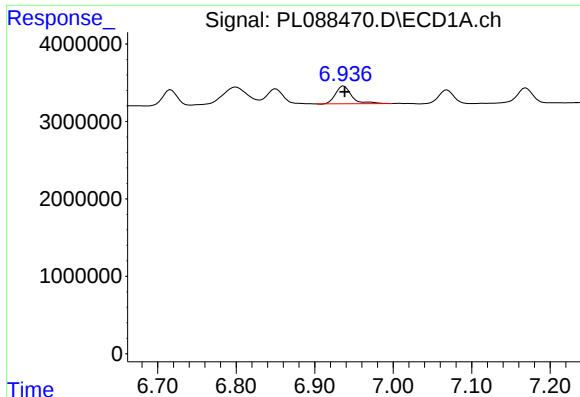
#14 Endrin

R.T.: 6.717 min  
Delta R.T.: -0.002 min  
Response: 2592411  
Conc: 0.88 ng/ml



#14 Endrin

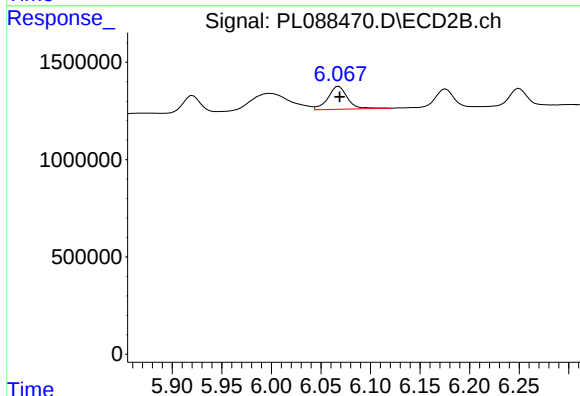
R.T.: 5.771 min  
Delta R.T.: -0.001 min  
Response: 1282100  
Conc: 0.78 ng/ml



#15 Endosulfan II

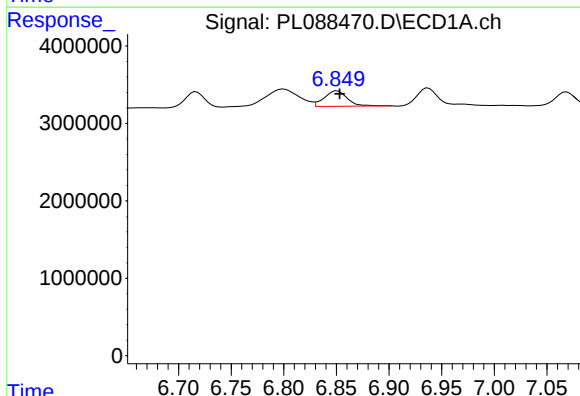
R.T.: 6.937 min  
Delta R.T.: 0.000 min  
Response: 3272362  
Conc: 1.11 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



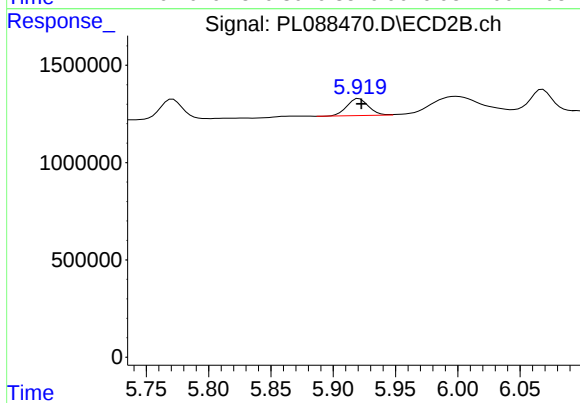
#15 Endosulfan II

R.T.: 6.068 min  
Delta R.T.: 0.000 min  
Response: 1616828  
Conc: 1.03 ng/ml



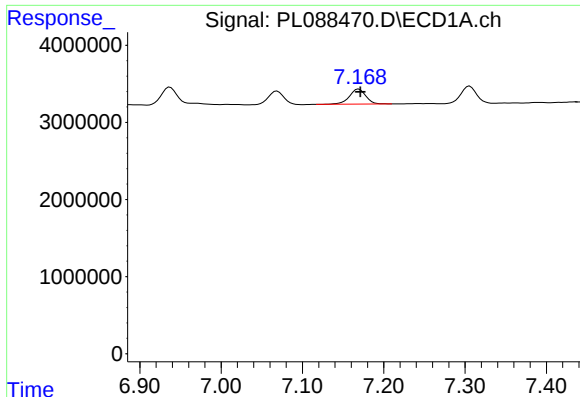
#16 4,4'-DDD

R.T.: 6.851 min  
Delta R.T.: -0.003 min  
Response: 3053171  
Conc: 1.14 ng/ml



#16 4,4'-DDD

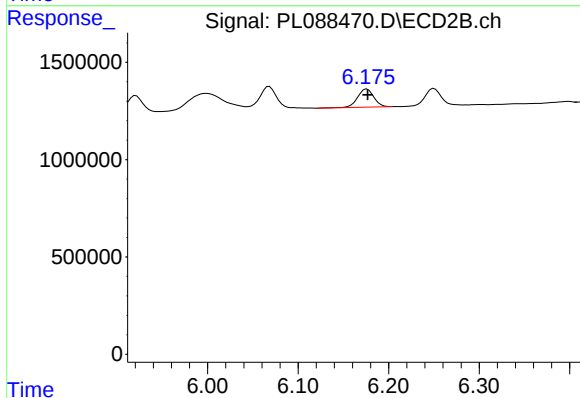
R.T.: 5.921 min  
Delta R.T.: -0.002 min  
Response: 1048055  
Conc: 0.74 ng/ml



#17 4,4'-DDT

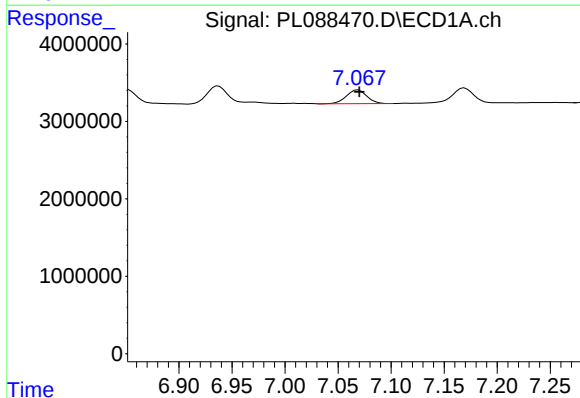
R.T.: 7.169 min  
Delta R.T.: -0.002 min  
Response: 2699061  
Conc: 0.94 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



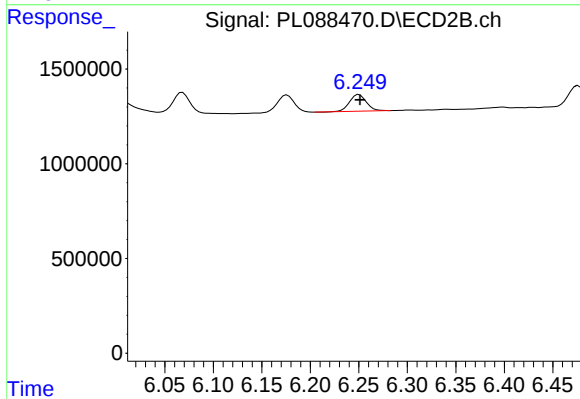
#17 4,4'-DDT

R.T.: 6.176 min  
Delta R.T.: 0.000 min  
Response: 1152300  
Conc: 0.73 ng/ml



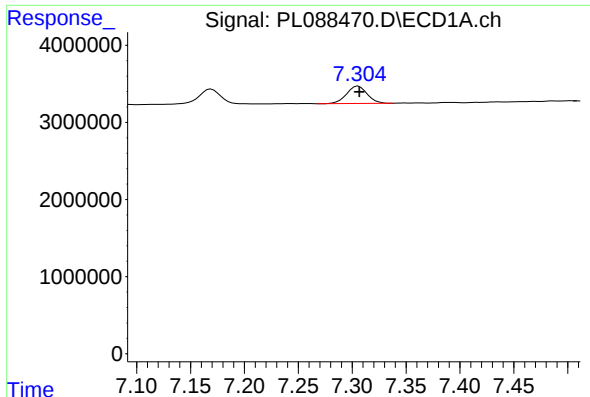
#18 Endrin aldehyde

R.T.: 7.069 min  
Delta R.T.: -0.001 min  
Response: 2354005  
Conc: 1.07 ng/ml



#18 Endrin aldehyde

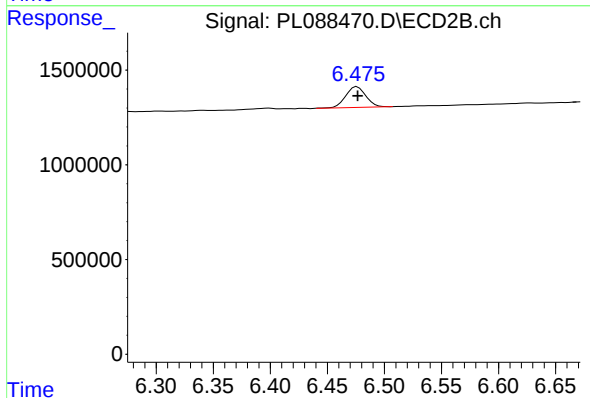
R.T.: 6.250 min  
Delta R.T.: -0.001 min  
Response: 1065770  
Conc: 0.91 ng/ml



#19 Endosulfan Sulfate

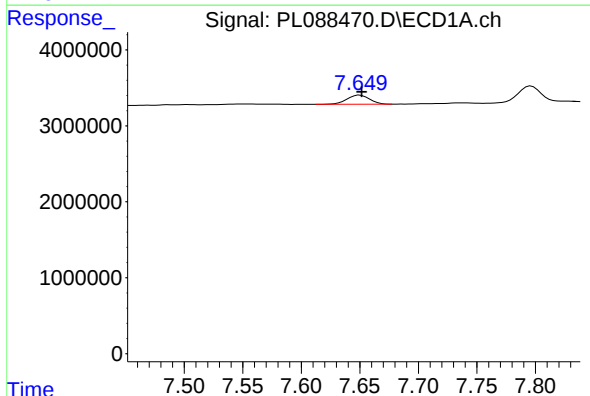
R.T.: 7.306 min  
Delta R.T.: 0.000 min  
Response: 3003095  
Conc: 1.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



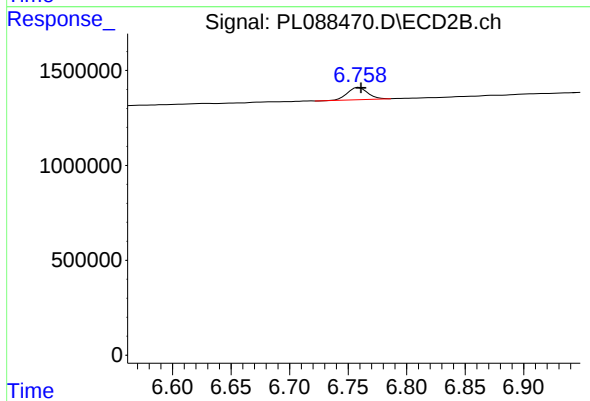
#19 Endosulfan Sulfate

R.T.: 6.476 min  
Delta R.T.: 0.000 min  
Response: 1348636  
Conc: 0.89 ng/ml



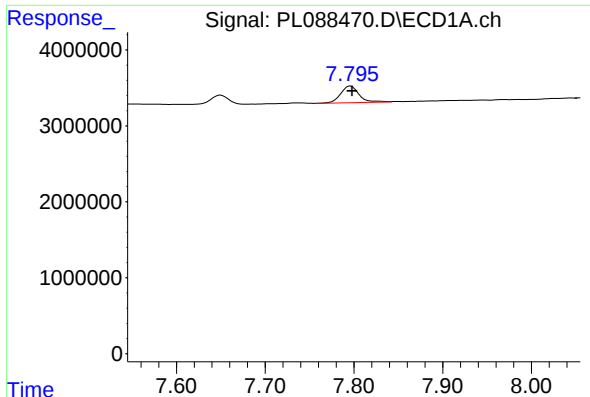
#20 Methoxychlor

R.T.: 7.650 min  
Delta R.T.: -0.002 min  
Response: 1629008  
Conc: 1.04 ng/ml



#20 Methoxychlor

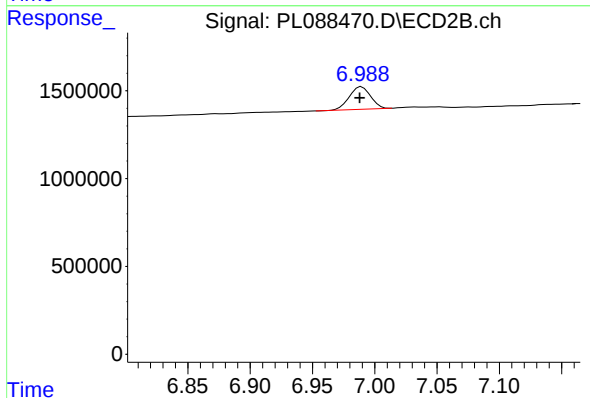
R.T.: 6.759 min  
Delta R.T.: -0.002 min  
Response: 764527  
Conc: 0.89 ng/ml



#21 Endrin ketone

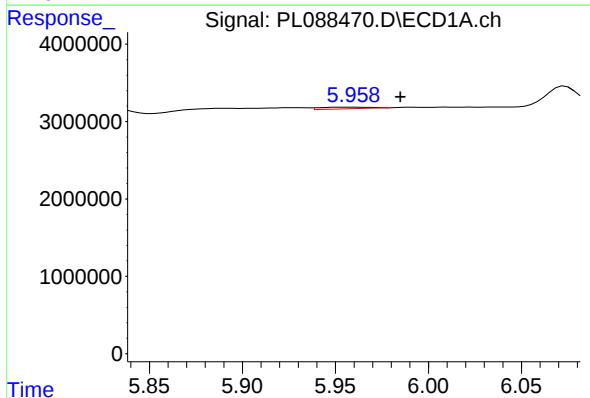
R.T.: 7.796 min  
Delta R.T.: -0.001 min  
Response: 3169327  
Conc: 1.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



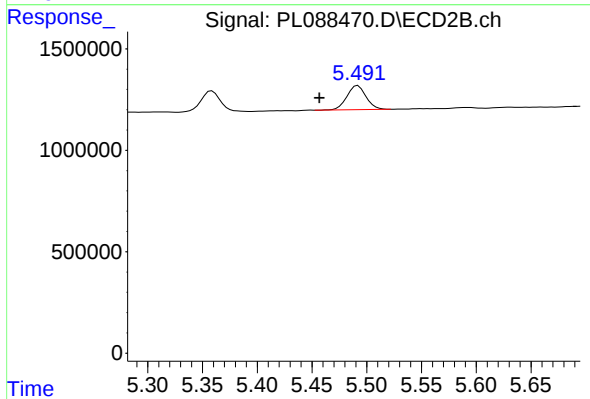
#21 Endrin ketone

R.T.: 6.990 min  
Delta R.T.: 0.002 min  
Response: 1534982  
Conc: 0.89 ng/ml



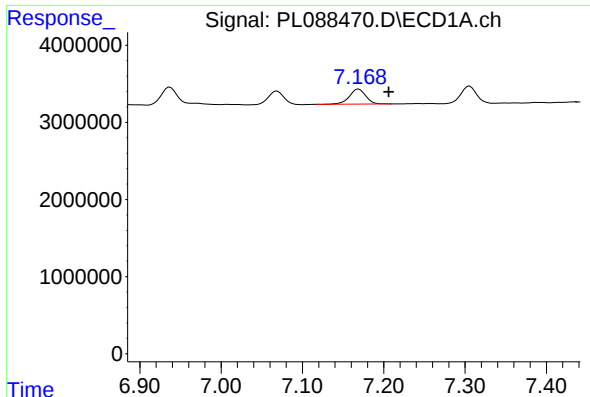
#22 Toxaphene-1

R.T.: 5.960 min  
Delta R.T.: -0.025 min  
Response: 408195  
Conc: 37.08 ng/ml



#22 Toxaphene-1

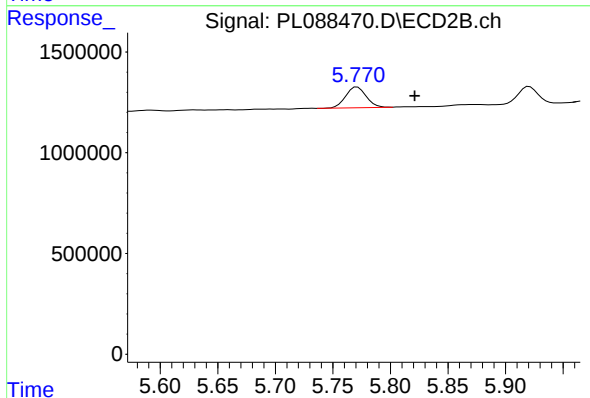
R.T.: 5.492 min  
Delta R.T.: 0.035 min  
Response: 1433239  
Conc: 148.09 ng/ml



#23 Toxaphene-2

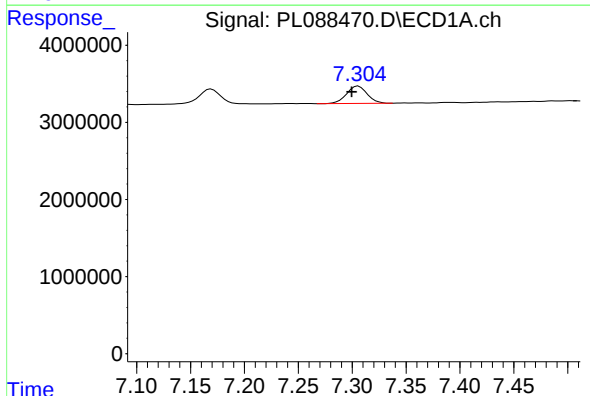
R.T.: 7.169 min  
Delta R.T.: -0.037 min  
Response: 2699061  
Conc: 30.53 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



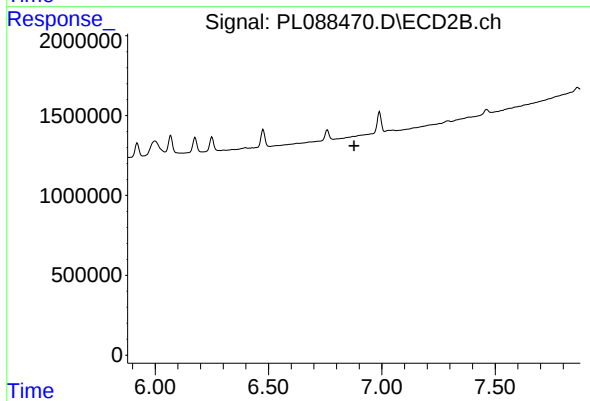
#23 Toxaphene-2

R.T.: 5.771 min  
Delta R.T.: -0.050 min  
Response: 1282100  
Conc: 116.44 ng/ml



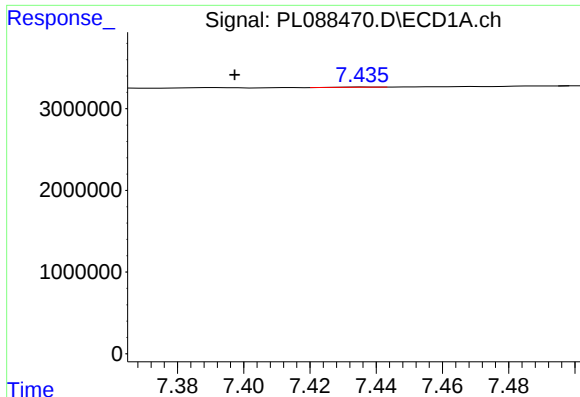
#24 Toxaphene-3

R.T.: 7.306 min  
Delta R.T.: 0.006 min  
Response: 3003095  
Conc: 46.67 ng/ml



#24 Toxaphene-3

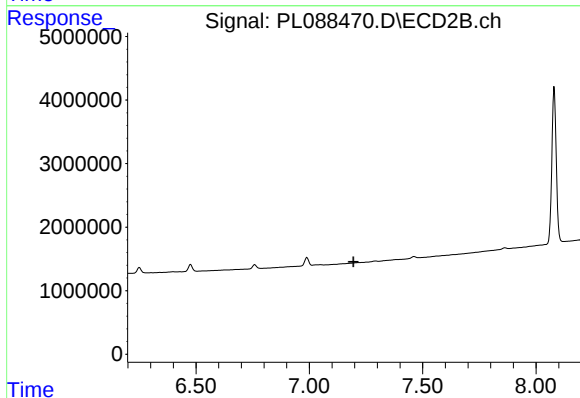
R.T.: 0.000 min  
Exp R.T.: 6.877 min  
Response: 0  
Conc: N.D.



#25 Toxaphene-4

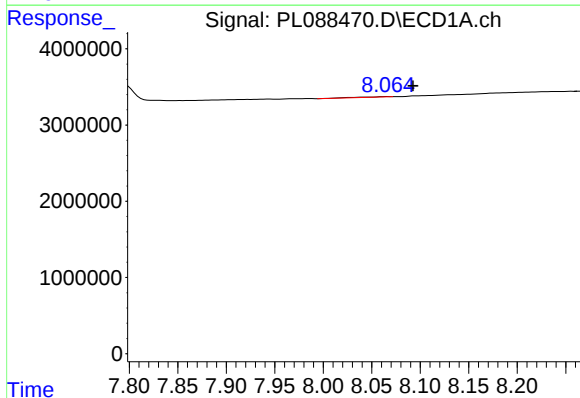
R.T.: 7.437 min  
Delta R.T.: 0.040 min  
Response: 25082  
Conc: 0.69 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



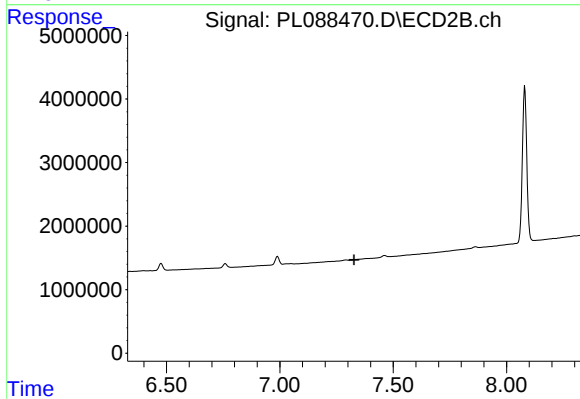
#25 Toxaphene-4

R.T.: 0.000 min  
Exp R.T. : 7.195 min  
Response: 0  
Conc: N.D.



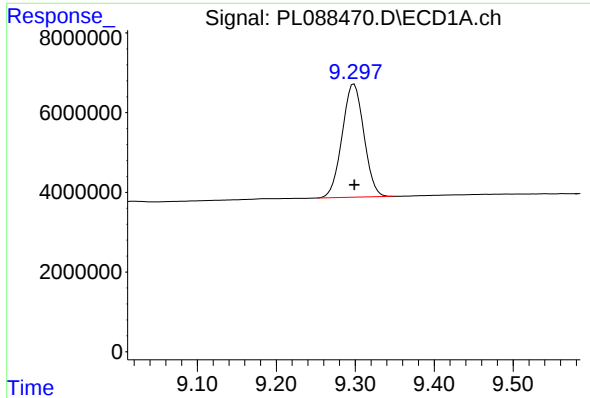
#26 Toxaphene-5

R.T.: 8.065 min  
Delta R.T.: -0.027 min  
Response: 111124  
Conc: 2.38 ng/ml



#26 Toxaphene-5

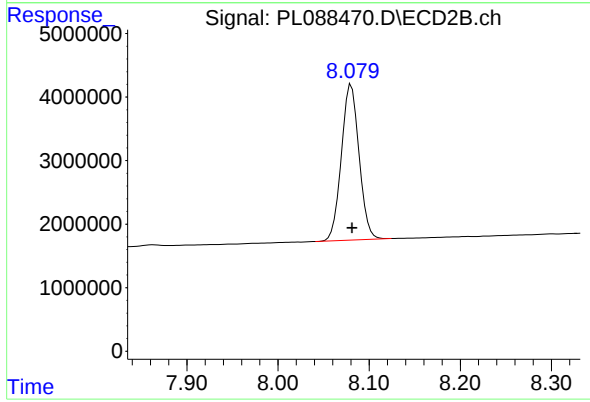
R.T.: 0.000 min  
Exp R.T. : 7.328 min  
Response: 0  
Conc: N.D.



#27 Decachlorobiphenyl

R.T.: 9.298 min  
Delta R.T.: 0.000 min  
Response: 54410368  
Conc: 22.06 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
MDL-SOIL-QT1-2024-01



#27 Decachlorobiphenyl

R.T.: 8.080 min  
Delta R.T.: 0.000 min  
Response: 33028900  
Conc: 22.77 ng/ml