

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL061923\  
 Data File : PL083546.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 19 Jun 2023 17:03  
 Operator : AR\AJ  
 Sample : 03279-01MS  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TOPSOIL-OU3-DENALI-1MS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 20 04:11:54 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL061723.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Jun 17 12:34:26 2023  
 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... | 3.457  | 2.754 | 51259477 | 40622886 | 23.191  | 17.439    |
| 28)                         | SA Decachlor... | 8.995  | 7.963 | 33642283 | 34783711 | 17.655  | 14.162    |
| Target Compounds            |                 |        |       |          |          |         |           |
| 2)                          | A alpha-BHC     | 3.914  | 3.264 | 133.4E6  | 144.0E6  | 42.845  | 42.650    |
| 3)                          | MA gamma-BHC... | 4.248  | 3.597 | 127.5E6  | 138.1E6  | 44.709  | 43.023    |
| 4)                          | MA Heptachlor   | 4.839  | 3.944 | 120.4E6  | 131.4E6  | 43.561  | 42.462    |
| 5)                          | MB Aldrin       | 5.181  | 4.226 | 114.7E6  | 132.3E6  | 44.140  | 43.957    |
| 6)                          | B beta-BHC      | 4.446  | 3.899 | 54894440 | 61409565 | 42.430  | 41.148    |
| 7)                          | B delta-BHC     | 4.693  | 4.130 | 81063320 | 96861357 | 29.410  | 30.051    |
| 8)                          | B Heptachlo...  | 5.609  | 4.736 | 101.3E6  | 96407237 | 39.892  | 33.586    |
| 9)                          | A Endosulfan I  | 5.995  | 5.110 | 89806879 | 129.1E6  | 40.304  | 47.889    |
| 10)                         | B gamma-Chl...  | 5.866  | 4.990 | 59796035 | 141.3E6  | 24.856  | 47.770 #  |
| 11)                         | B alpha-Chl...  | 5.947  | 5.053 | 114.9E6  | 142.0E6  | 48.515  | 48.000    |
| 12)                         | B 4,4'-DDE      | 6.126  | 5.253 | 101.9E6  | 134.8E6  | 50.456  | 52.768    |
| 13)                         | MA Dieldrin     | 6.271  | 5.377 | 118.1E6  | 143.6E6  | 52.598  | 51.219    |
| 14)                         | MA Endrin       | 6.501  | 5.653 | 76420816 | 110.8E6  | 43.301  | 48.004    |
| 15)                         | B Endosulfa...  | 6.720  | 5.950 | 75009090 | 103.2E6  | 40.187  | 43.479    |
| 16)                         | A 4,4'-DDD      | 6.643  | 5.811 | 88131621 | 101.8E6  | 51.617  | 46.179    |
| 17)                         | MA 4,4'-DDT     | 6.959  | 6.065 | 91320965 | 107.1E6  | 54.240  | 51.302    |
| 18)                         | B Endrin al...  | 6.851  | 6.132 | 51255614 | 85419082 | 34.576  | 45.195 #  |
| 19)                         | B Endosulfa...  | 7.087  | 6.357 | 73968928 | 94560758 | 38.517  | 39.048    |
| 20)                         | A Methoxychlor  | 7.440  | 6.651 | 41463077 | 64871082 | 45.711  | 53.827    |
| 21)                         | B Endrin ke...  | 7.571  | 6.864 | 91081892 | 100.1E6  | 42.511  | 35.599    |
| 22)                         | Mirex           | 8.047  | 7.050 | 123.2E6  | 80772021 | 65.984  | 33.563 #  |
| 23)                         | Chlordane-1     | 4.623  | 3.768 | 765330   | 2481573  | 7.956   | 25.317 #  |
| 24)                         | Chlordane-2     | 5.137  | 4.354 | 2920698  | 1082619  | 26.920  | 9.003 #   |
| 25)                         | Chlordane-3     | 5.866  | 4.990 | 59796035 | 141.3E6  | 156.492 | 431.364 # |
| 26)                         | Chlordane-4     | 5.947  | 5.053 | 114.9E6  | 142.0E6  | 248.507 | 421.258 # |
| 27)                         | Chlordane-5     | 6.812f | 5.950 | 204892   | 103.2E6  | 2.581   | 928.301 # |
| -----                       |                 |        |       |          |          |         |           |

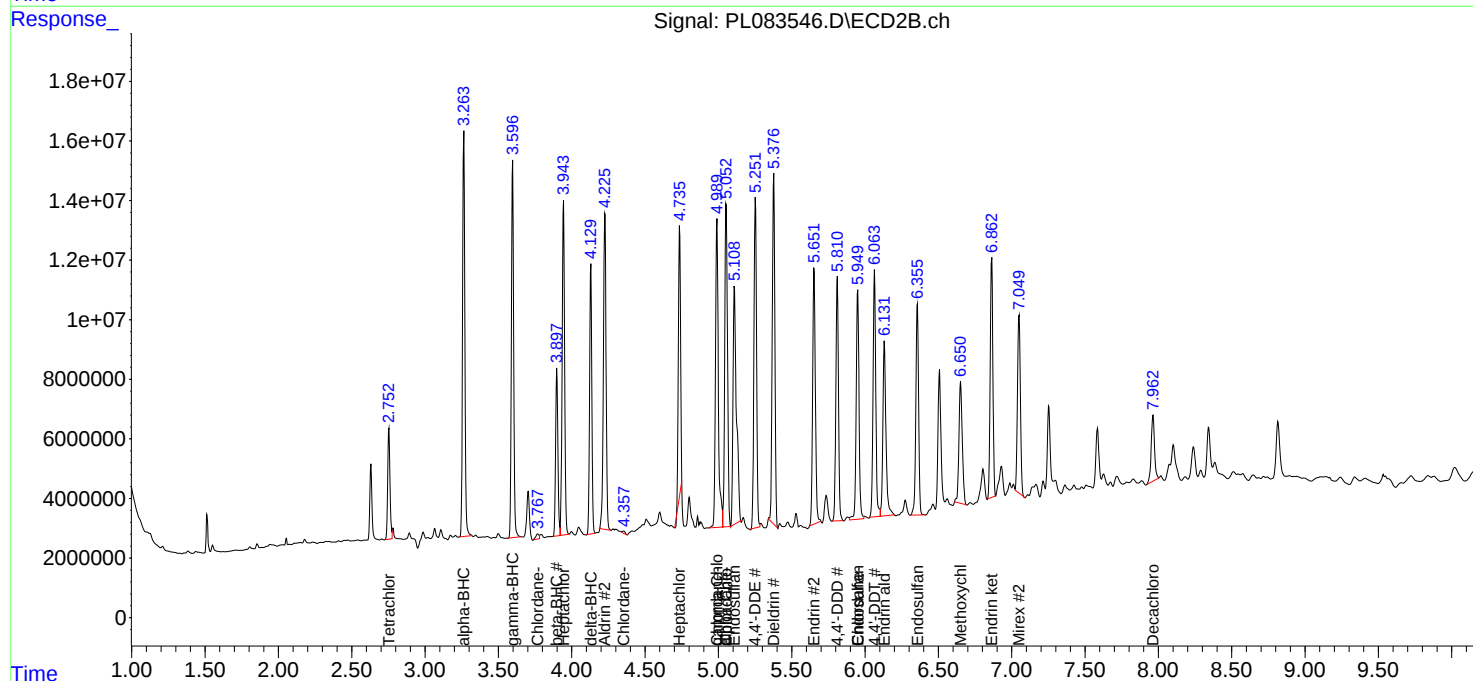
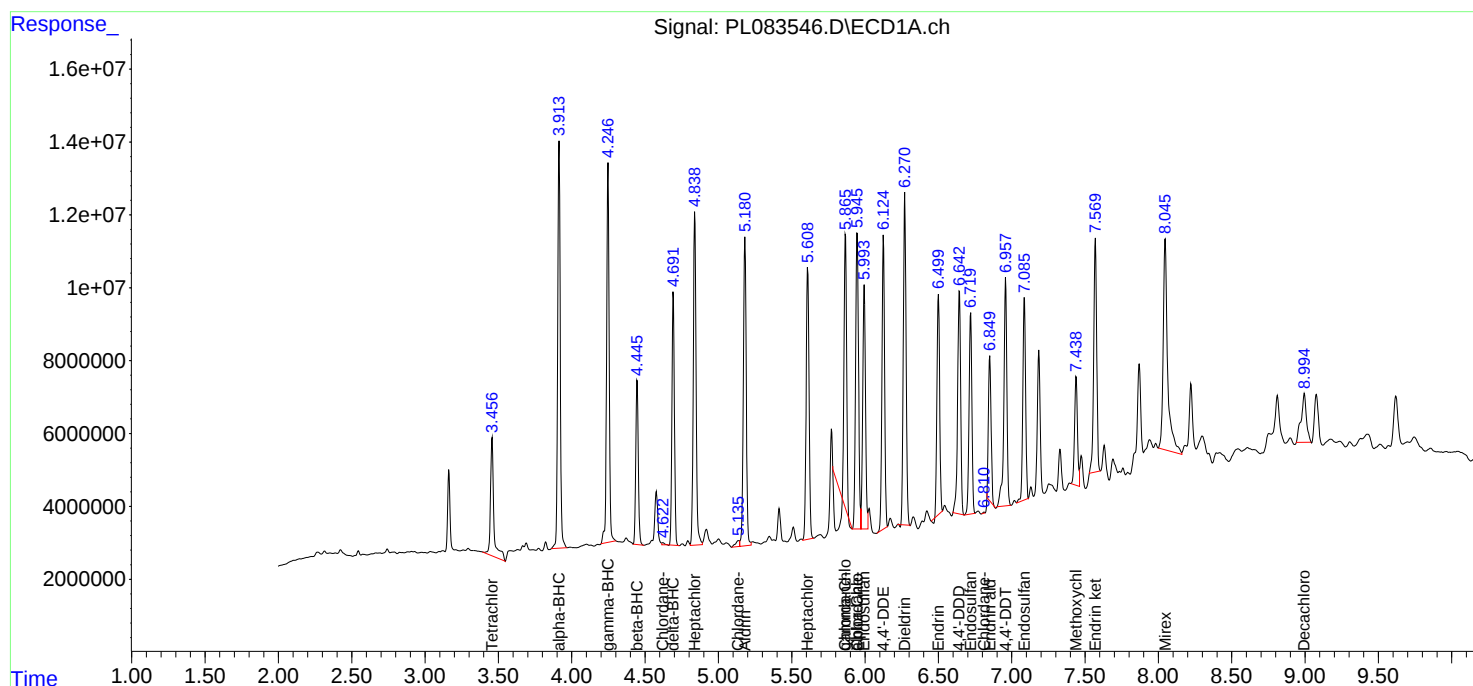
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

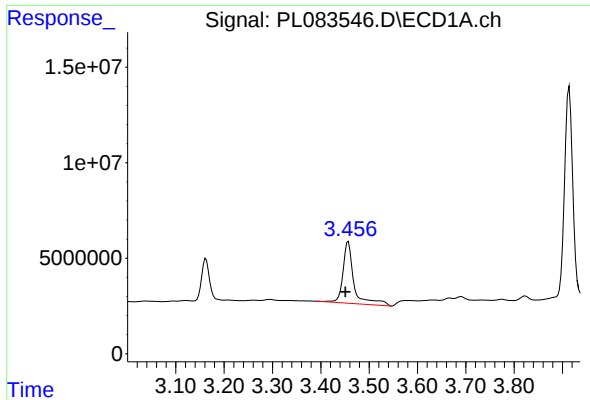
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL061923\  
Data File : PL083546.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 19 Jun 2023 17:03  
Operator : AR\AJ  
Sample : 03279-01MS  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jun 20 04:11:54 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL061723.M  
Quant Title : GC Extractables  
QLast Update : Sat Jun 17 12:34:26 2023  
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

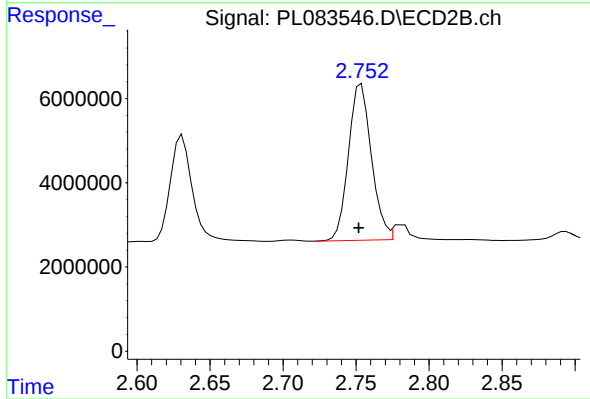




#1 Tetrachloro-m-xylene

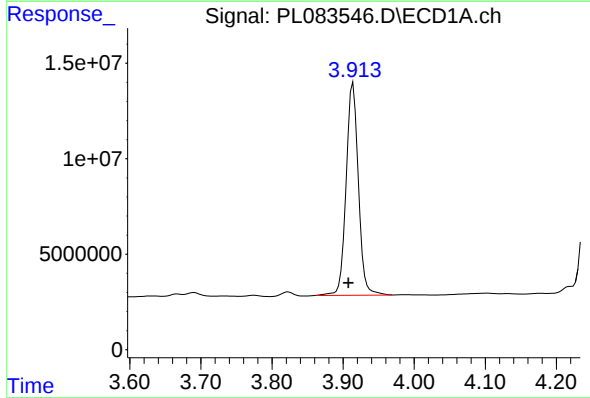
R.T.: 3.457 min  
Delta R.T.: 0.006 min  
Response: 51259477  
Conc: 23.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



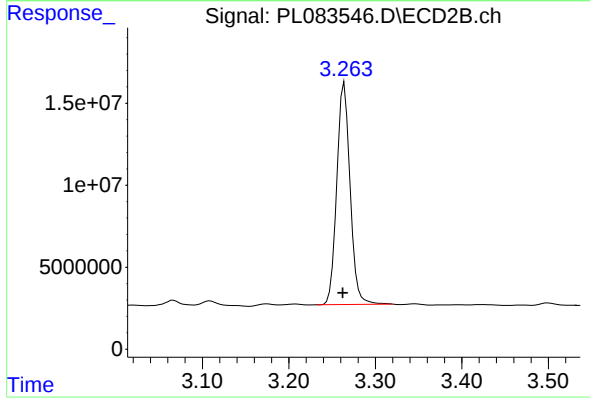
#1 Tetrachloro-m-xylene

R.T.: 2.754 min  
Delta R.T.: 0.002 min  
Response: 40622886  
Conc: 17.44 ng/ml



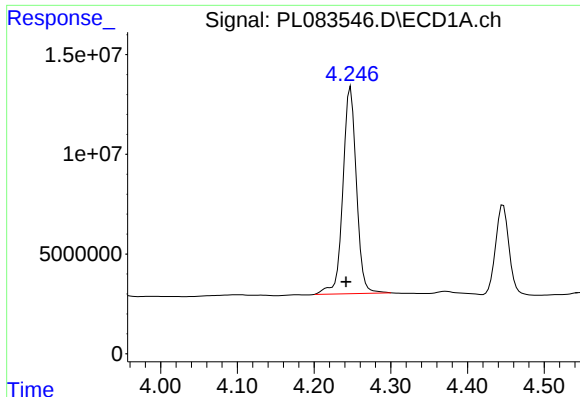
#2 alpha-BHC

R.T.: 3.914 min  
Delta R.T.: 0.007 min  
Response: 133394417  
Conc: 42.84 ng/ml



#2 alpha-BHC

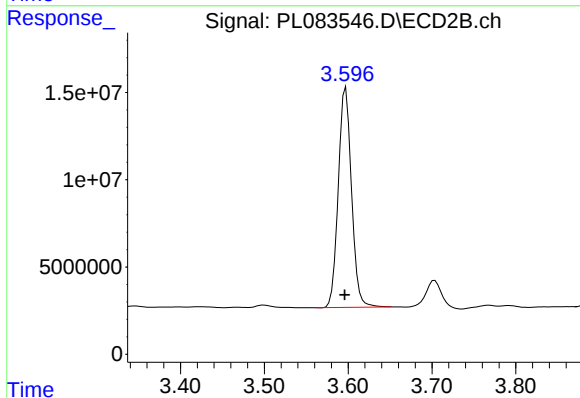
R.T.: 3.264 min  
Delta R.T.: 0.002 min  
Response: 143969470  
Conc: 42.65 ng/ml



#3 gamma-BHC (Lindane)

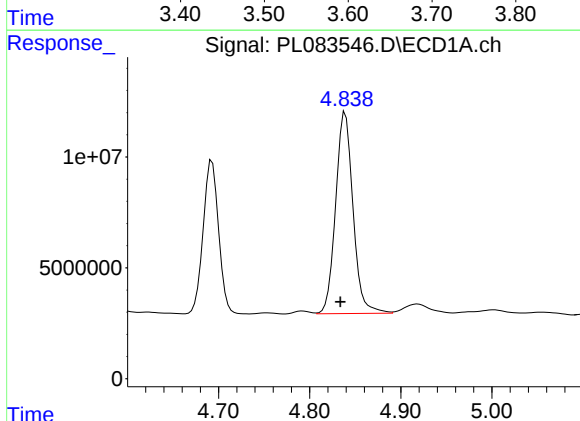
R.T.: 4.248 min  
Delta R.T.: 0.006 min  
Response: 127454589  
Conc: 44.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



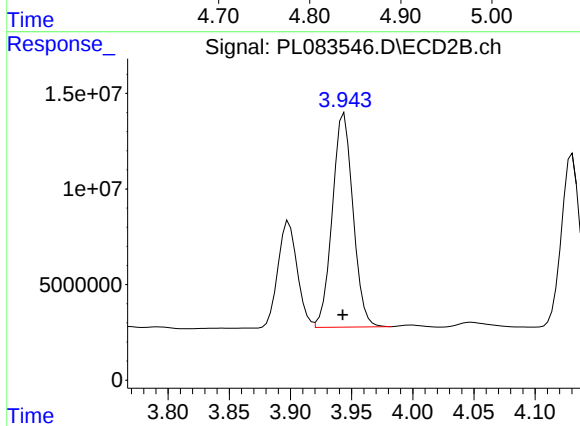
#3 gamma-BHC (Lindane)

R.T.: 3.597 min  
Delta R.T.: 0.001 min  
Response: 138131478  
Conc: 43.02 ng/ml



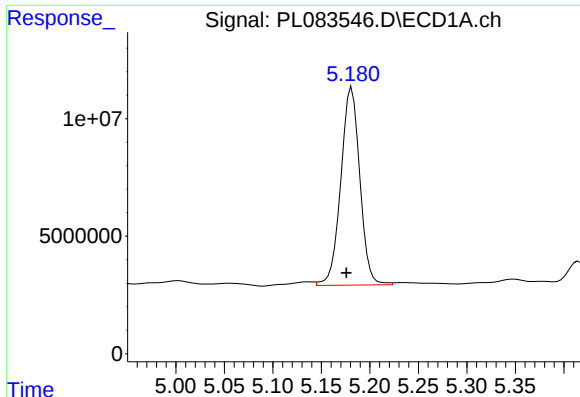
#4 Heptachlor

R.T.: 4.839 min  
Delta R.T.: 0.006 min  
Response: 120441424  
Conc: 43.56 ng/ml



#4 Heptachlor

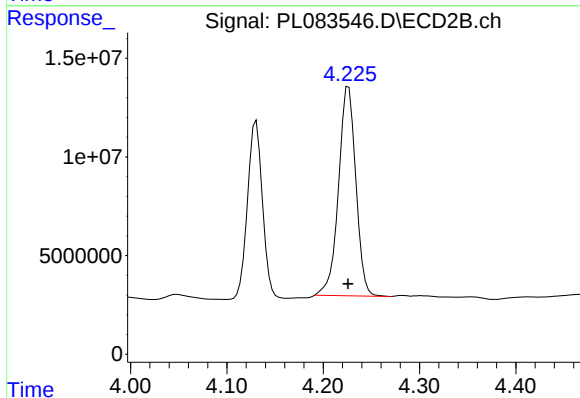
R.T.: 3.944 min  
Delta R.T.: 0.001 min  
Response: 131448295  
Conc: 42.46 ng/ml



#5 Aldrin

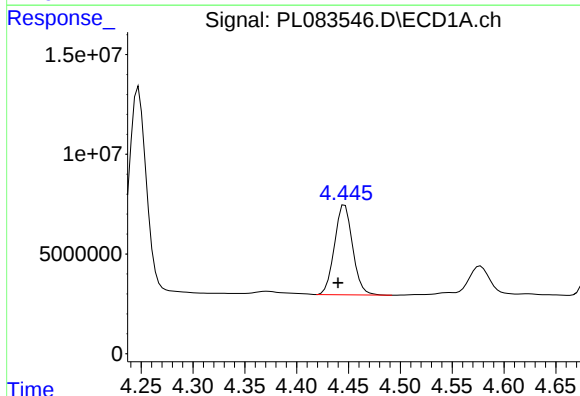
R.T.: 5.181 min  
Delta R.T.: 0.005 min  
Response: 114712016  
Conc: 44.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



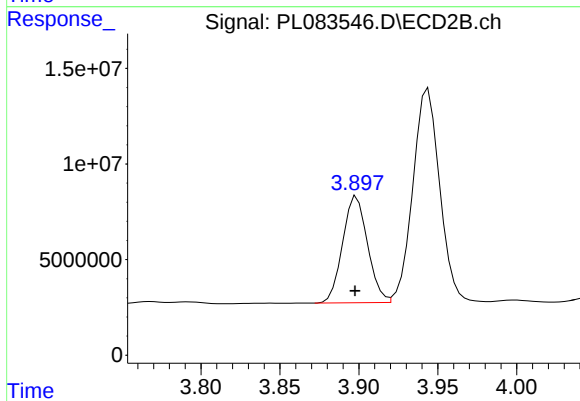
#5 Aldrin

R.T.: 4.226 min  
Delta R.T.: 0.000 min  
Response: 132337388  
Conc: 43.96 ng/ml



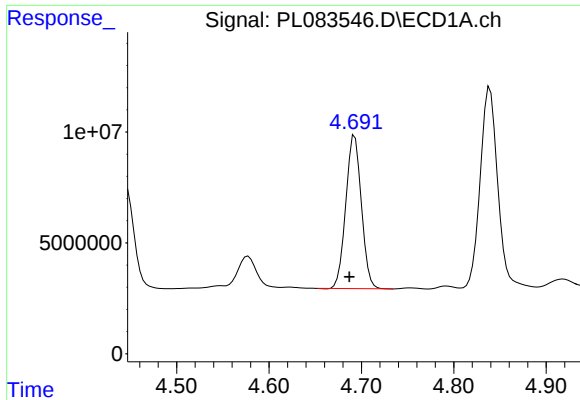
#6 beta-BHC

R.T.: 4.446 min  
Delta R.T.: 0.006 min  
Response: 54894440  
Conc: 42.43 ng/ml



#6 beta-BHC

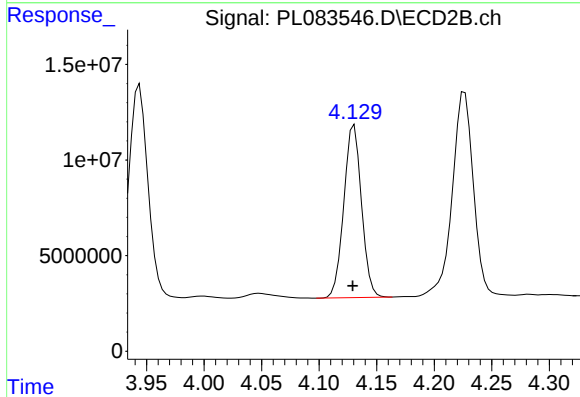
R.T.: 3.899 min  
Delta R.T.: 0.001 min  
Response: 61409565  
Conc: 41.15 ng/ml



#7 delta-BHC

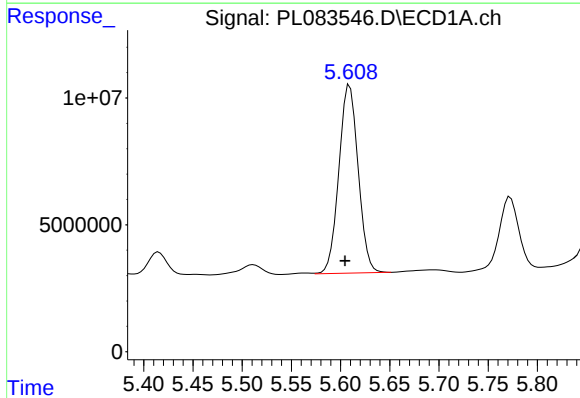
R.T.: 4.693 min  
Delta R.T.: 0.006 min  
Response: 81063320  
Conc: 29.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



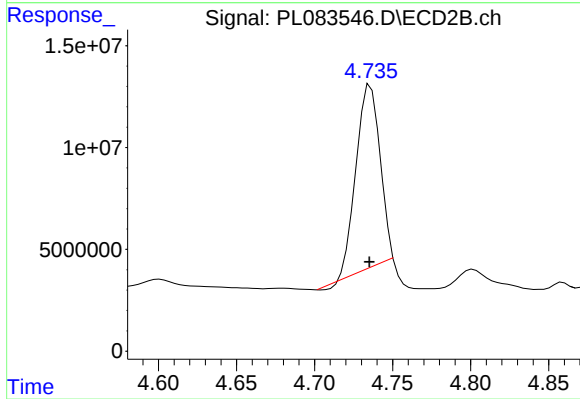
#7 delta-BHC

R.T.: 4.130 min  
Delta R.T.: 0.001 min  
Response: 96861357  
Conc: 30.05 ng/ml



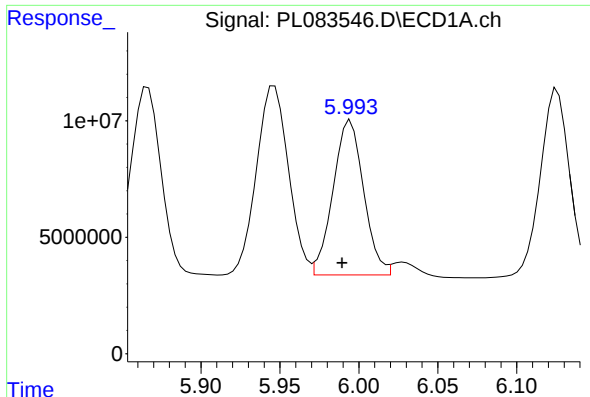
#8 Heptachlor epoxide

R.T.: 5.609 min  
Delta R.T.: 0.005 min  
Response: 101260049  
Conc: 39.89 ng/ml



#8 Heptachlor epoxide

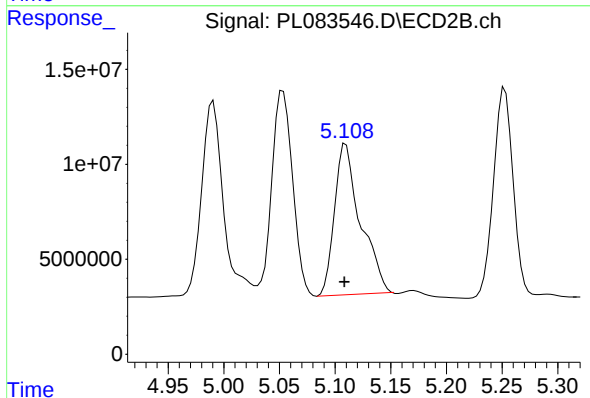
R.T.: 4.736 min  
Delta R.T.: 0.000 min  
Response: 96407237  
Conc: 33.59 ng/ml



#9 Endosulfan I

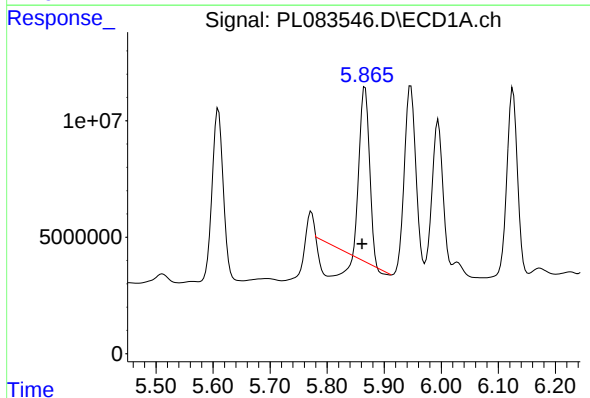
R.T.: 5.995 min  
Delta R.T.: 0.005 min  
Response: 89806879  
Conc: 40.30 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



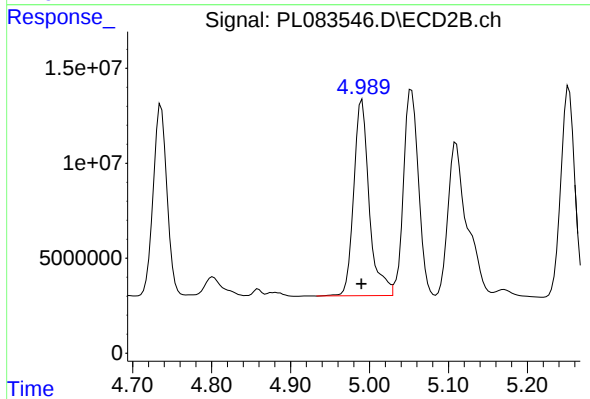
#9 Endosulfan I

R.T.: 5.110 min  
Delta R.T.: 0.001 min  
Response: 129063603  
Conc: 47.89 ng/ml



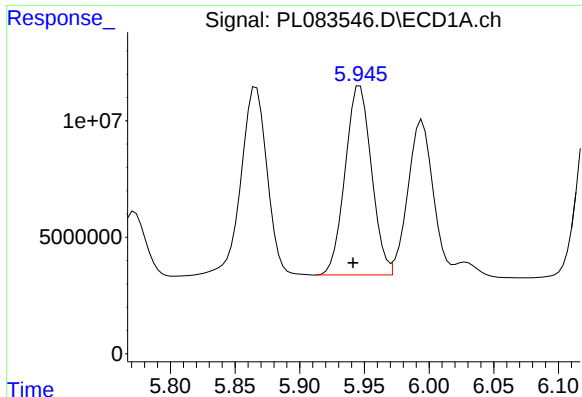
#10 gamma-Chlordane

R.T.: 5.866 min  
Delta R.T.: 0.005 min  
Response: 59796035  
Conc: 24.86 ng/ml



#10 gamma-Chlordane

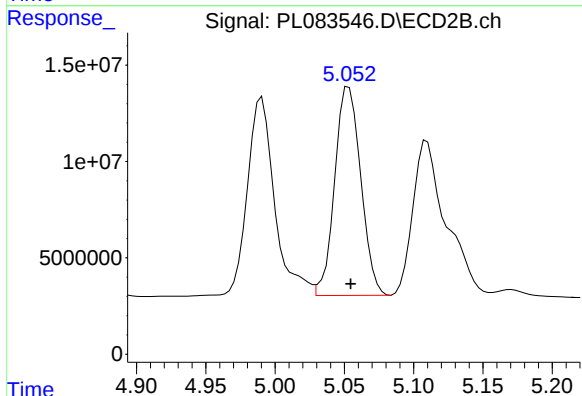
R.T.: 4.990 min  
Delta R.T.: 0.000 min  
Response: 141338349  
Conc: 47.77 ng/ml



#11 alpha-Chlordane

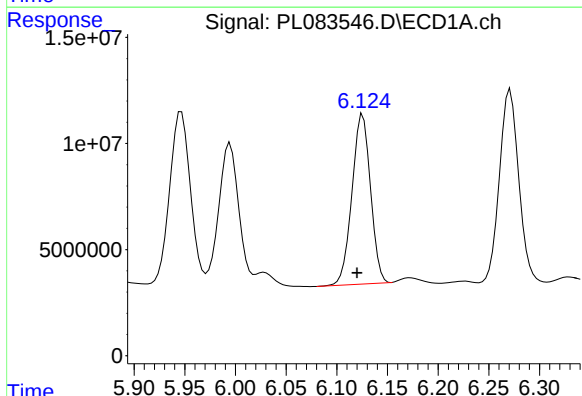
R.T.: 5.947 min  
Delta R.T.: 0.005 min  
Response: 114915637  
Conc: 48.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



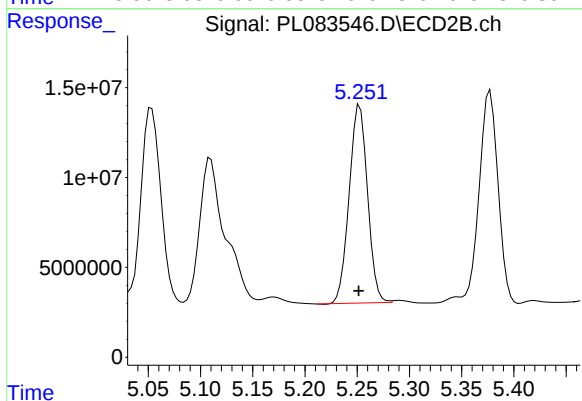
#11 alpha-Chlordane

R.T.: 5.053 min  
Delta R.T.: -0.001 min  
Response: 141997408  
Conc: 48.00 ng/ml



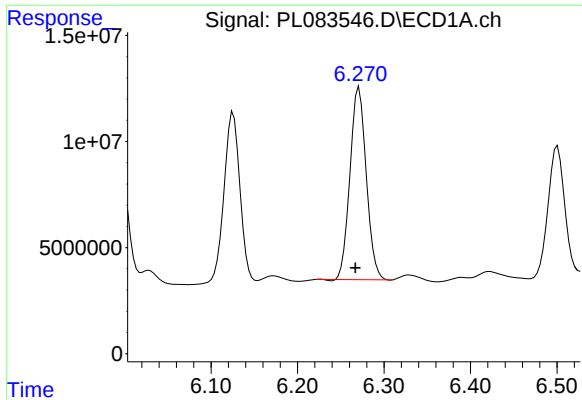
#12 4,4'-DDE

R.T.: 6.126 min  
Delta R.T.: 0.006 min  
Response: 101856300  
Conc: 50.46 ng/ml



#12 4,4'-DDE

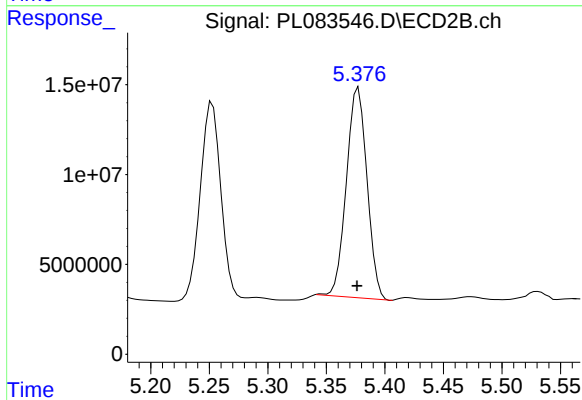
R.T.: 5.253 min  
Delta R.T.: 0.001 min  
Response: 134801657  
Conc: 52.77 ng/ml



#13 Dieldrin

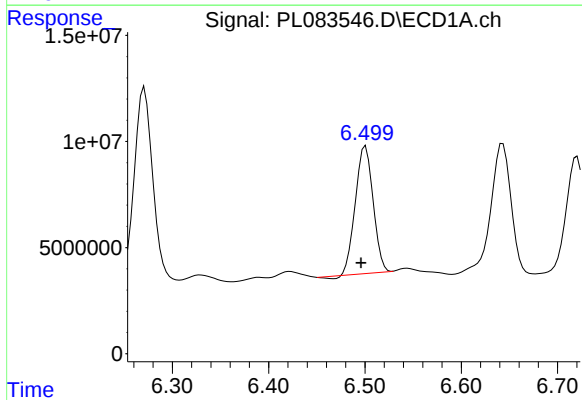
R.T.: 6.271 min  
Delta R.T.: 0.004 min  
Response: 118106530  
Conc: 52.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



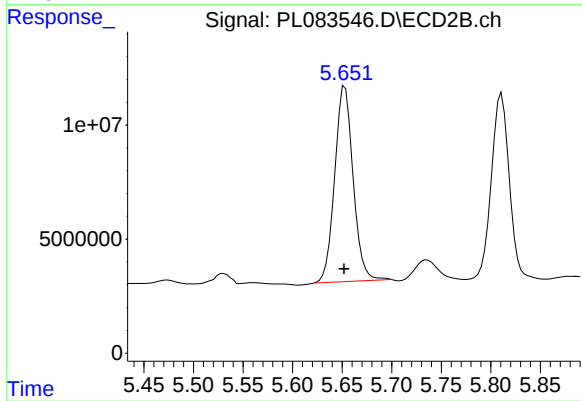
#13 Dieldrin

R.T.: 5.377 min  
Delta R.T.: 0.001 min  
Response: 143629320  
Conc: 51.22 ng/ml



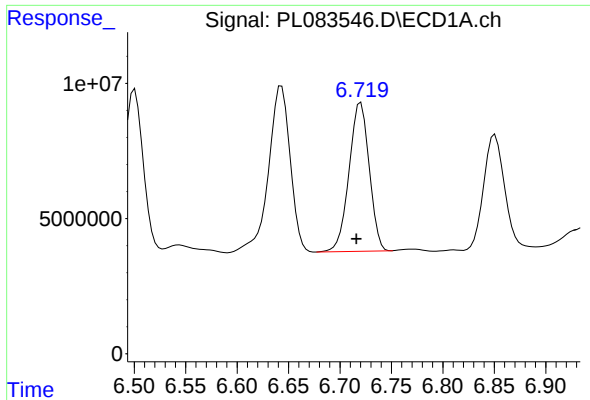
#14 Endrin

R.T.: 6.501 min  
Delta R.T.: 0.005 min  
Response: 76420816  
Conc: 43.30 ng/ml



#14 Endrin

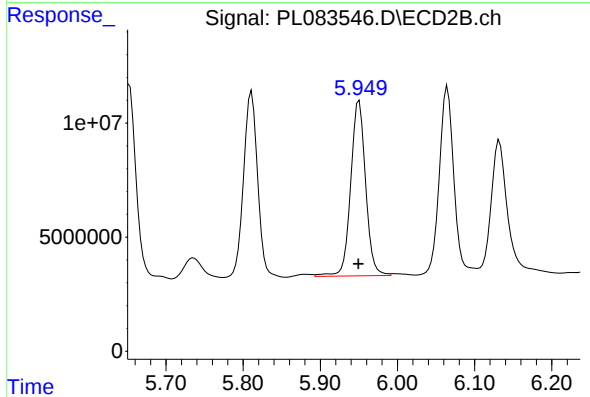
R.T.: 5.653 min  
Delta R.T.: 0.000 min  
Response: 110798232  
Conc: 48.00 ng/ml



#15 Endosulfan II

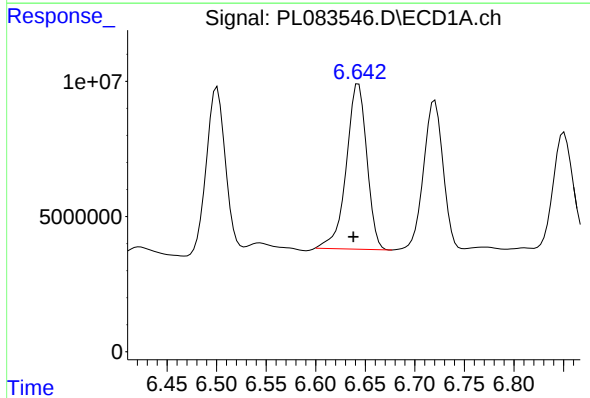
R.T.: 6.720 min  
Delta R.T.: 0.004 min  
Response: 75009090  
Conc: 40.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



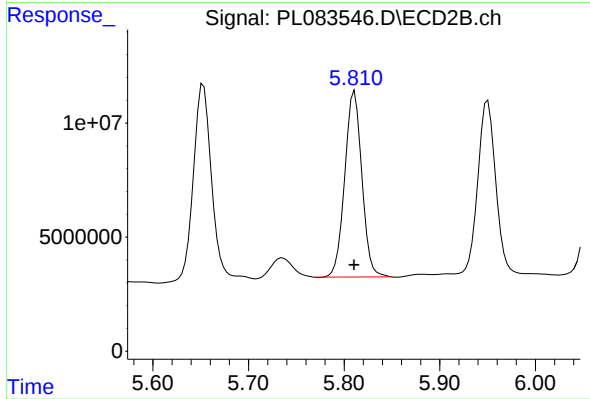
#15 Endosulfan II

R.T.: 5.950 min  
Delta R.T.: 0.000 min  
Response: 103206207  
Conc: 43.48 ng/ml



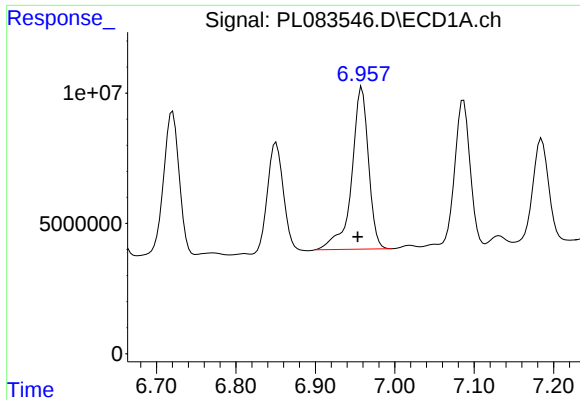
#16 4,4'-DDD

R.T.: 6.643 min  
Delta R.T.: 0.005 min  
Response: 88131621  
Conc: 51.62 ng/ml



#16 4,4'-DDD

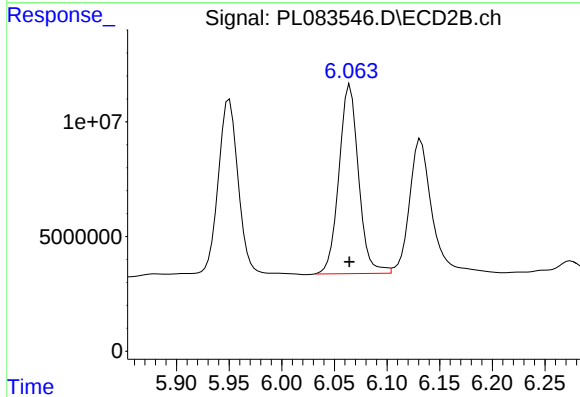
R.T.: 5.811 min  
Delta R.T.: 0.000 min  
Response: 101830828  
Conc: 46.18 ng/ml



#17 4,4'-DDT

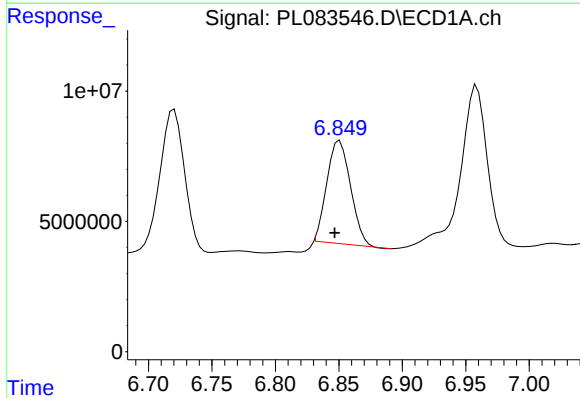
R.T.: 6.959 min  
Delta R.T.: 0.005 min  
Response: 91320965  
Conc: 54.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



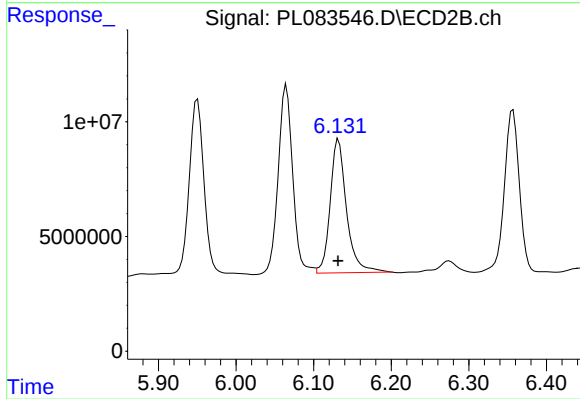
#17 4,4'-DDT

R.T.: 6.065 min  
Delta R.T.: 0.000 min  
Response: 107109830  
Conc: 51.30 ng/ml



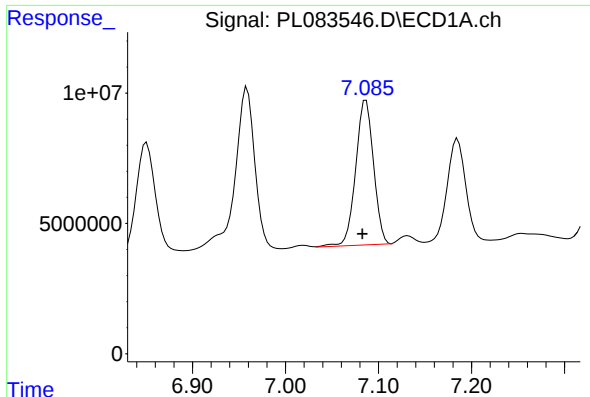
#18 Endrin aldehyde

R.T.: 6.851 min  
Delta R.T.: 0.004 min  
Response: 51255614  
Conc: 34.58 ng/ml



#18 Endrin aldehyde

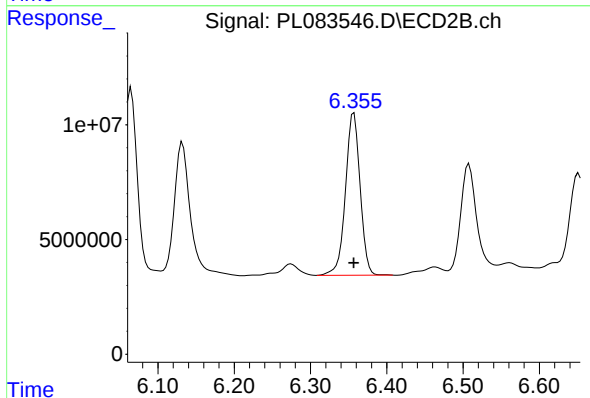
R.T.: 6.132 min  
Delta R.T.: 0.000 min  
Response: 85419082  
Conc: 45.20 ng/ml



#19 Endosulfan Sulfate

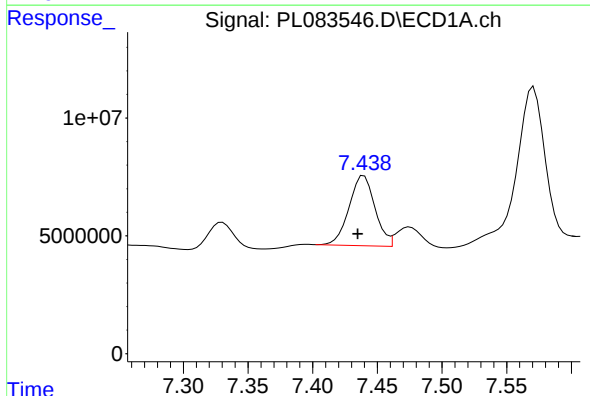
R.T.: 7.087 min  
Delta R.T.: 0.004 min  
Response: 73968928  
Conc: 38.52 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



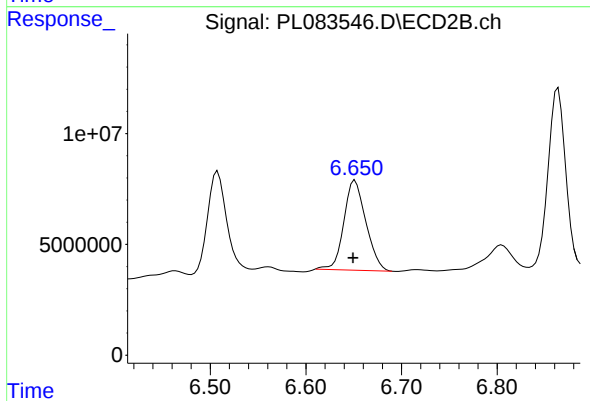
#19 Endosulfan Sulfate

R.T.: 6.357 min  
Delta R.T.: 0.000 min  
Response: 94560758  
Conc: 39.05 ng/ml



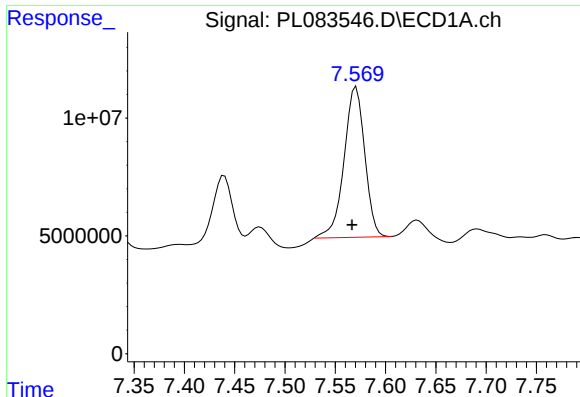
#20 Methoxychlor

R.T.: 7.440 min  
Delta R.T.: 0.005 min  
Response: 41463077  
Conc: 45.71 ng/ml



#20 Methoxychlor

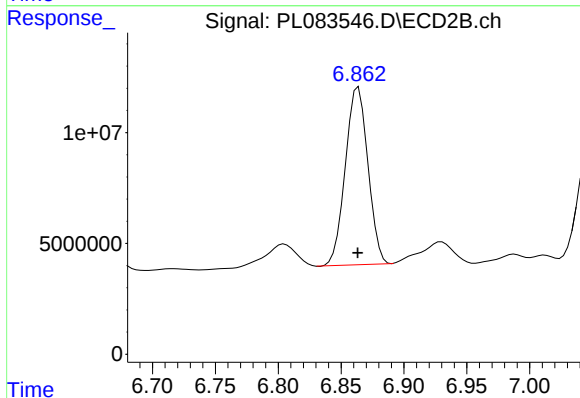
R.T.: 6.651 min  
Delta R.T.: 0.002 min  
Response: 64871082  
Conc: 53.83 ng/ml



#21 Endrin ketone

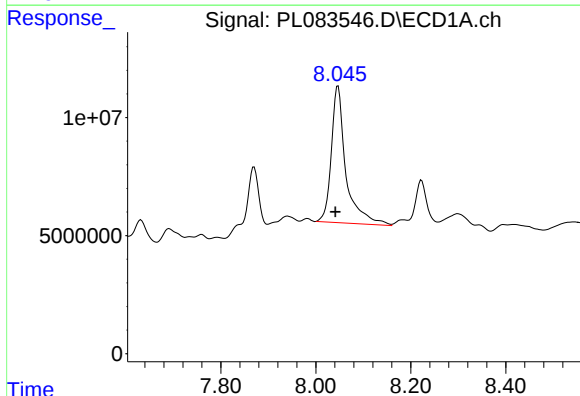
R.T.: 7.571 min  
Delta R.T.: 0.004 min  
Response: 91081892  
Conc: 42.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



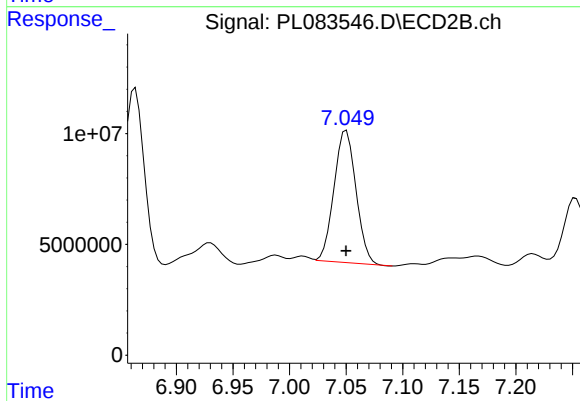
#21 Endrin ketone

R.T.: 6.864 min  
Delta R.T.: 0.000 min  
Response: 100081673  
Conc: 35.60 ng/ml



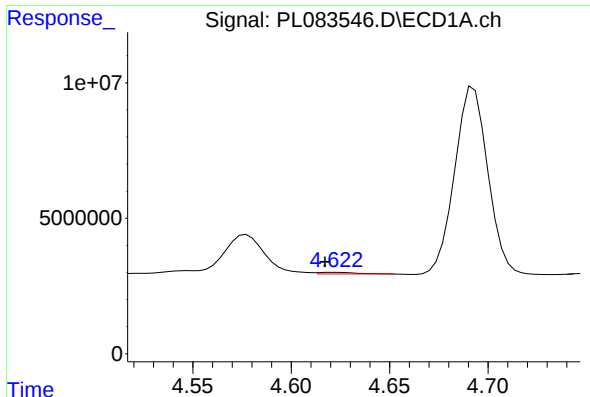
#22 Mirex

R.T.: 8.047 min  
Delta R.T.: 0.005 min  
Response: 123155704  
Conc: 65.98 ng/ml



#22 Mirex

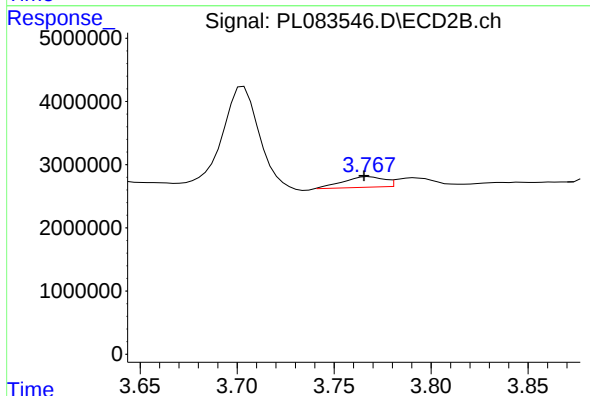
R.T.: 7.050 min  
Delta R.T.: 0.000 min  
Response: 80772021  
Conc: 33.56 ng/ml



#23 Chlordane-1

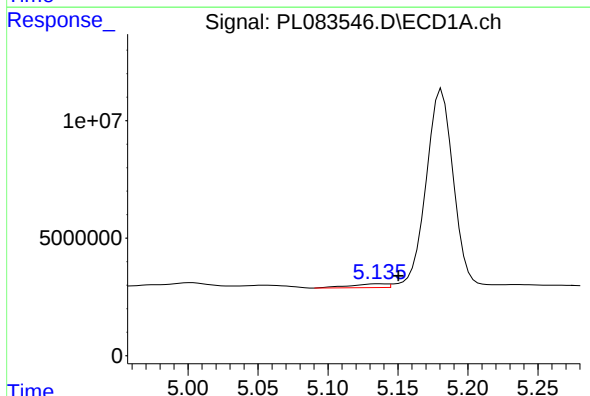
R.T.: 4.623 min  
Delta R.T.: 0.006 min  
Response: 765330  
Conc: 7.96 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



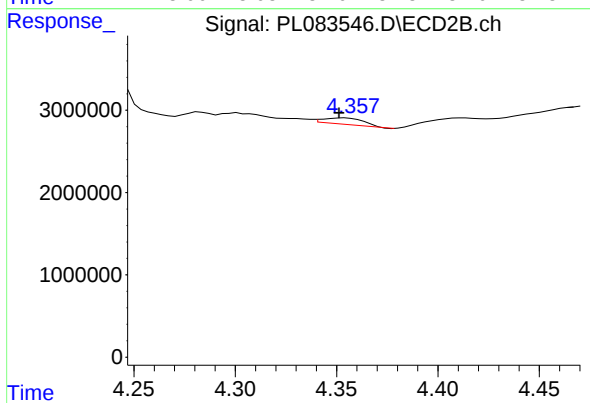
#23 Chlordane-1

R.T.: 3.768 min  
Delta R.T.: 0.003 min  
Response: 2481573  
Conc: 25.32 ng/ml



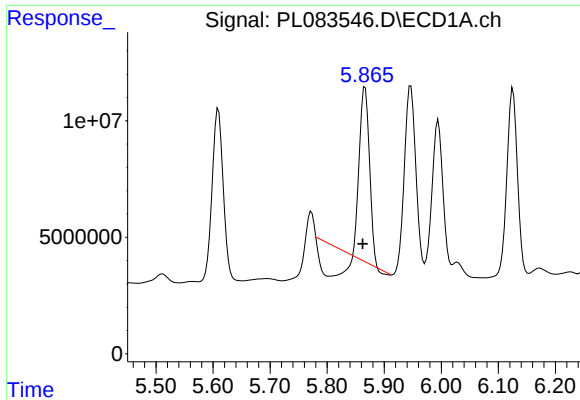
#24 Chlordane-2

R.T.: 5.137 min  
Delta R.T.: -0.013 min  
Response: 2920698  
Conc: 26.92 ng/ml



#24 Chlordane-2

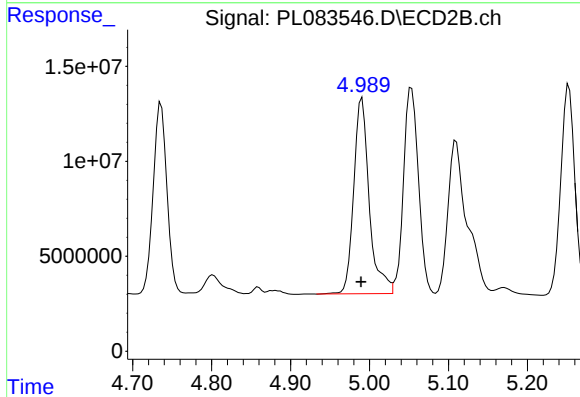
R.T.: 4.354 min  
Delta R.T.: 0.003 min  
Response: 1082619  
Conc: 9.00 ng/ml



#25 Chlordane-3

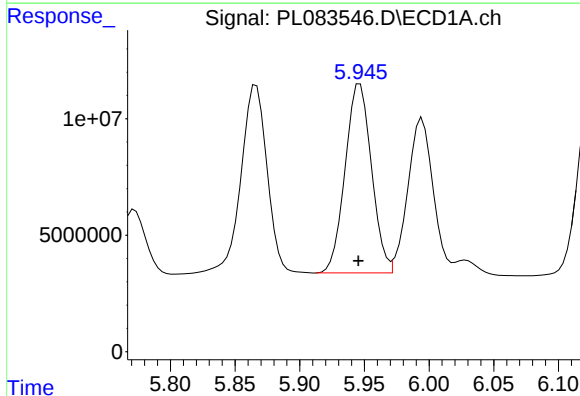
R.T.: 5.866 min  
Delta R.T.: 0.004 min  
Response: 59796035  
Conc: 156.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



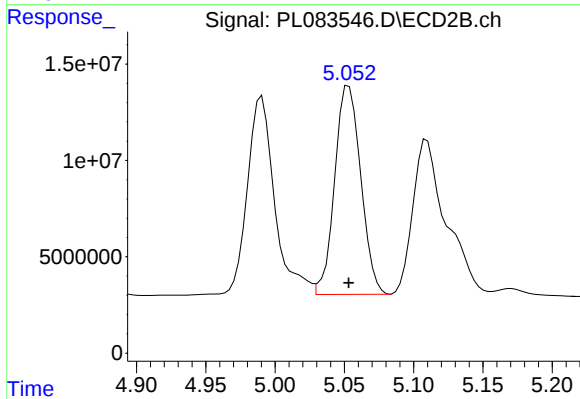
#25 Chlordane-3

R.T.: 4.990 min  
Delta R.T.: 0.001 min  
Response: 141338349  
Conc: 431.36 ng/ml



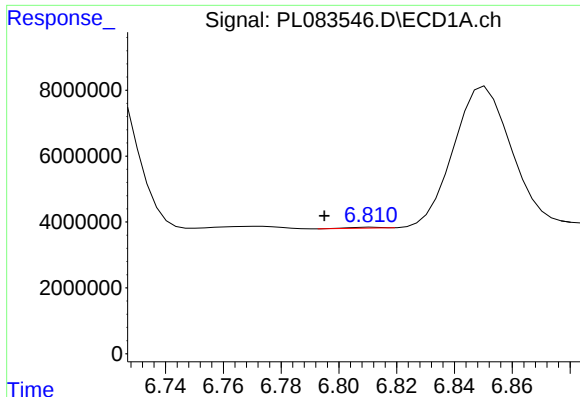
#26 Chlordane-4

R.T.: 5.947 min  
Delta R.T.: 0.001 min  
Response: 114915637  
Conc: 248.51 ng/ml



#26 Chlordane-4

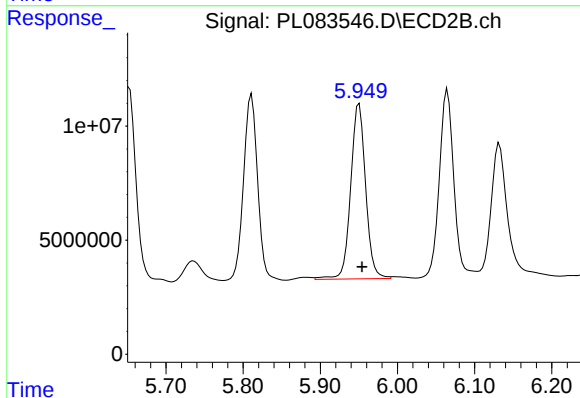
R.T.: 5.053 min  
Delta R.T.: 0.000 min  
Response: 141997408  
Conc: 421.26 ng/ml



#27 Chlordane-5

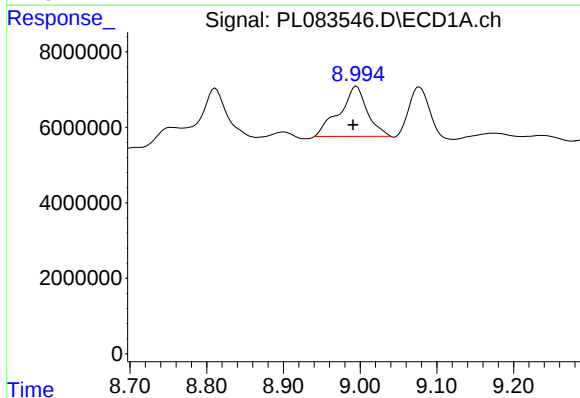
R.T.: 6.812 min  
Delta R.T.: 0.017 min  
Response: 204892  
Conc: 2.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-OU3-DENALI-1MS



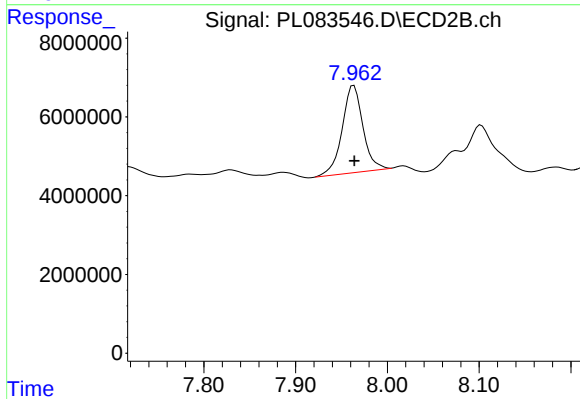
#27 Chlordane-5

R.T.: 5.950 min  
Delta R.T.: -0.004 min  
Response: 103206207  
Conc: 928.30 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.995 min  
Delta R.T.: 0.004 min  
Response: 33642283  
Conc: 17.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.963 min  
Delta R.T.: 0.000 min  
Response: 34783711  
Conc: 14.16 ng/ml