

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL070219\  
 Data File : PL050137.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Jul 2019 15:29  
 Operator : SM\AJ  
 Sample : K3629-01MS  
 Misc :  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 NB-SOIL-PILEMS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 03 00:56:22 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... | 3.321 | 3.933  | 240.5E6  | 67879335 | 21.329   | 22.170     |
| 28)                         | SA Decachlor... | 7.986 | 8.968  | 233.4E6  | 65983343 | 18.365   | 19.655     |
| Target Compounds            |                 |       |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.749 | 4.322  | 1049.7E6 | 263.7E6  | 55.872   | 58.900     |
| 3)                          | MA gamma-BHC... | 4.024 | 4.605  | 1005.8E6 | 247.1E6  | 56.725   | 59.573     |
| 4)                          | MA Heptachlor   | 4.309 | 5.107  | 1105.6E6 | 262.9E6  | 60.822   | 60.737     |
| 5)                          | MB Aldrin       | 4.547 | 5.410  | 1039.1E6 | 246.4E6  | 60.175   | 62.912     |
| 6)                          | B beta-BHC      | 4.279 | 4.781  | 436.5E6  | 117.3E6  | 59.669   | 60.556     |
| 7)                          | B delta-BHC     | 4.472 | 4.995  | 953.8E6  | 198.3E6  | 53.330   | 50.333     |
| 8)                          | B Heptachlor... | 4.984 | 5.797  | 945.3E6  | 210.5E6  | 58.726   | 57.901     |
| 9)                          | A Endosulfan I  | 5.314 | 6.152  | 908.5E6  | 206.4E6  | 58.718   | 60.767     |
| 10)                         | B gamma-Chl...  | 5.206 | 6.031  | 1022.6E6 | 219.4E6  | 59.841   | 58.880     |
| 11)                         | B alpha-Chl...  | 5.263 | 6.102  | 982.3E6  | 224.2E6  | 59.177   | 60.627     |
| 12)                         | B 4,4'-DDE      | 5.430 | 6.262  | 1013.5E6 | 226.5E6  | 60.838   | 65.285     |
| 13)                         | MA Dieldrin     | 5.553 | 6.408  | 987.4E6  | 216.5E6  | 59.275   | 61.029     |
| 14)                         | MA Endrin       | 5.806 | 6.625  | 985.0E6  | 190.2E6  | 61.504   | 60.258     |
| 15)                         | B Endosulfa...  | 6.081 | 6.837  | 872.5E6  | 183.3E6  | 59.879   | 56.907     |
| 16)                         | A 4,4'-DDD      | 5.941 | 6.753  | 793.9E6  | 165.3E6  | 62.889   | 63.237     |
| 17)                         | MA 4,4'-DDT     | 6.174 | 7.051  | 832.3E6  | 179.7E6  | 62.697   | 61.344     |
| 18)                         | B Endrin al...  | 6.248 | 6.962  | 634.6E6  | 148.6E6  | 53.730   | 54.113     |
| 19)                         | B Endosulfa...  | 6.460 | 7.185  | 713.0E6  | 166.0E6  | 54.990   | 55.145     |
| 20)                         | A Methoxychlor  | 6.720 | 7.511  | 354.6E6  | 93576947 | 54.405   | 56.142     |
| 21)                         | B Endrin ke...  | 6.941 | 7.654  | 697.7E6  | 187.4E6  | 49.638   | 60.126     |
| 22)                         | Mirex           | 7.115 | 8.103  | 562.2E6  | 140.9E6  | 54.384   | 55.730     |
| 24)                         | Chlordane-2     | 0.000 | 5.410f | 0        | 246.4E6  | N.D.     | 1586.390 # |
| 25)                         | Chlordane-3     | 5.206 | 6.031  | 1022.6E6 | 219.4E6  | 544.454  | 440.917    |
| 26)                         | Chlordane-4     | 5.263 | 6.102  | 982.3E6  | 224.2E6  | 562.859  | 377.264 #  |
| 27)                         | Chlordane-5     | 6.081 | 0.000  | 872.5E6  | 0        | 1554.706 | N.D. #     |
| -----                       |                 |       |        |          |          |          |            |

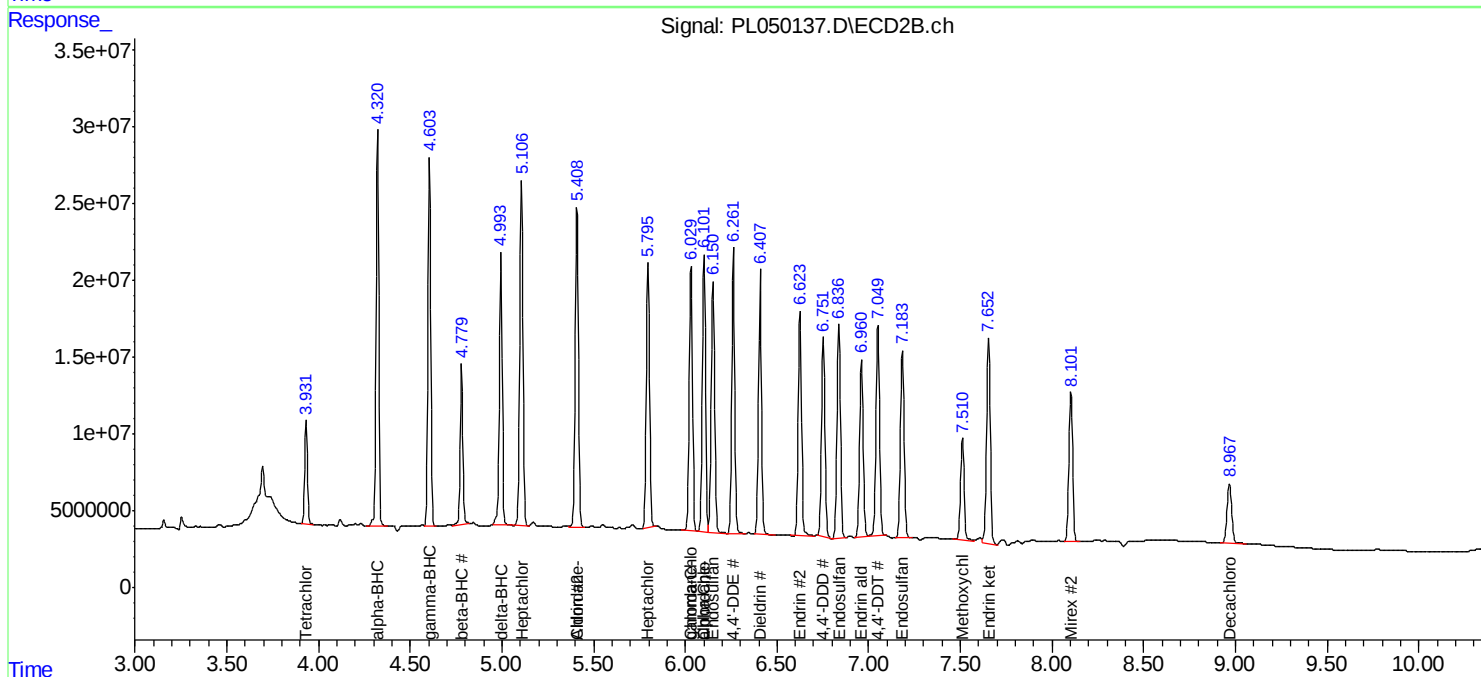
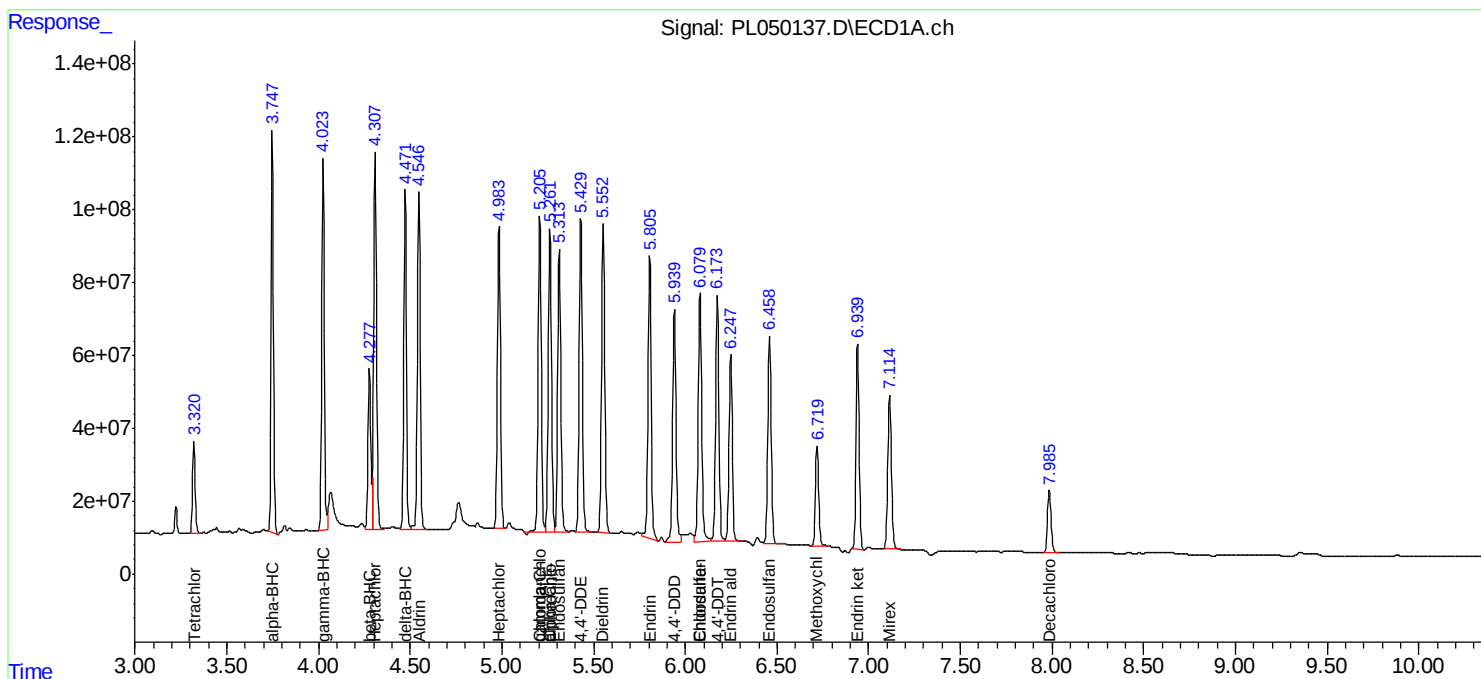
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

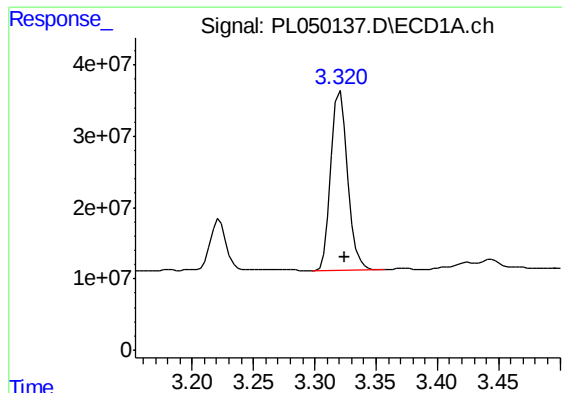
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL070219\  
Data File : PL050137.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 02 Jul 2019 15:29  
Operator : SM\AJ  
Sample : K3629-01MS  
Misc :  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 03 00:56:22 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

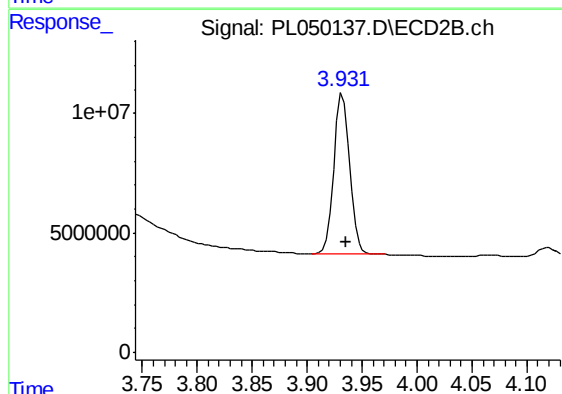




#1 Tetrachloro-m-xylene

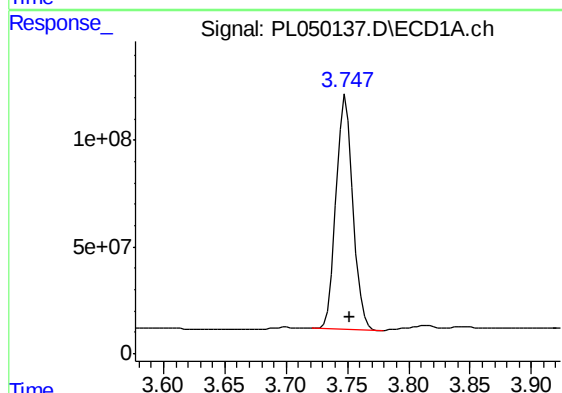
R.T.: 3.321 min  
Delta R.T.: -0.003 min  
Response: 240547197  
Conc: 21.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



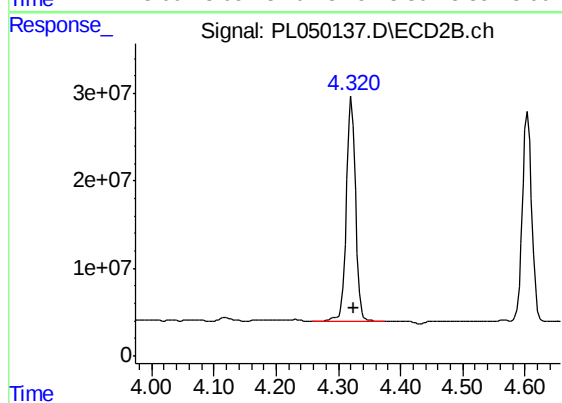
#1 Tetrachloro-m-xylene

R.T.: 3.933 min  
Delta R.T.: -0.003 min  
Response: 67879335  
Conc: 22.17 ng/ml



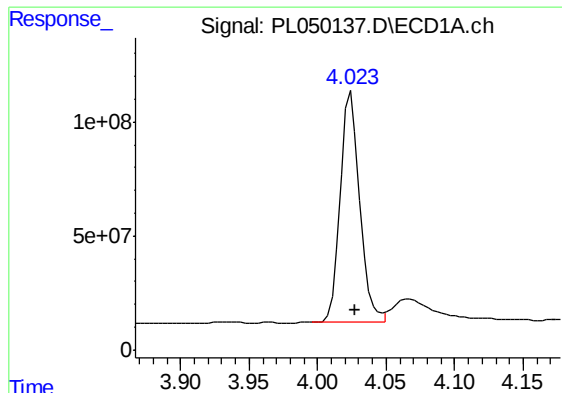
#2 alpha-BHC

R.T.: 3.749 min  
Delta R.T.: -0.003 min  
Response: 1049692426  
Conc: 55.87 ng/ml



#2 alpha-BHC

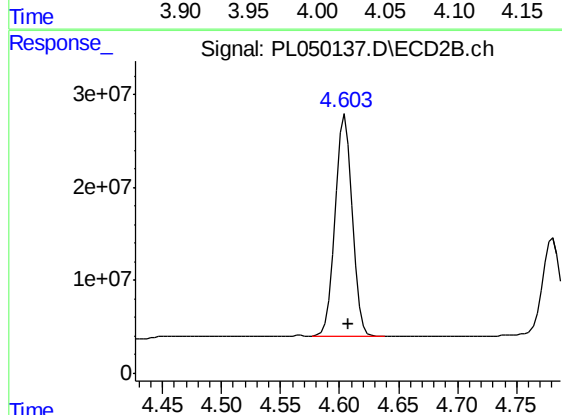
R.T.: 4.322 min  
Delta R.T.: -0.002 min  
Response: 263669479  
Conc: 58.90 ng/ml



#3 gamma-BHC (Lindane)

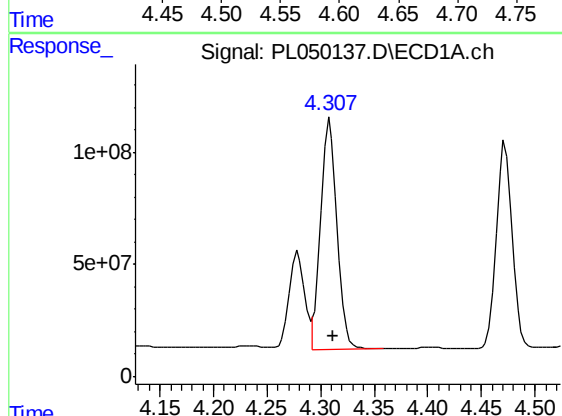
R.T.: 4.024 min  
Delta R.T.: -0.003 min  
Response: 1005765890  
Conc: 56.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



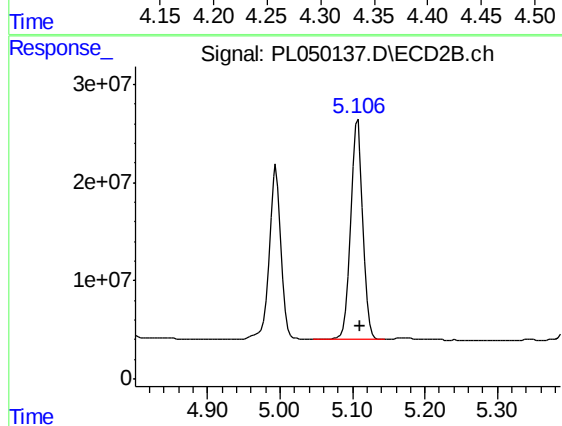
#3 gamma-BHC (Lindane)

R.T.: 4.605 min  
Delta R.T.: -0.003 min  
Response: 247096747  
Conc: 59.57 ng/ml



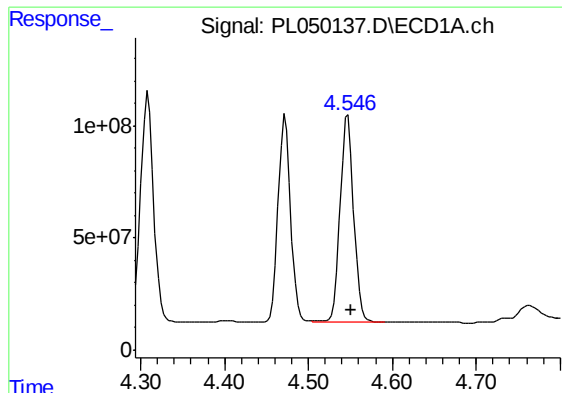
#4 Heptachlor

R.T.: 4.309 min  
Delta R.T.: -0.003 min  
Response: 1105575580  
Conc: 60.82 ng/ml



#4 Heptachlor

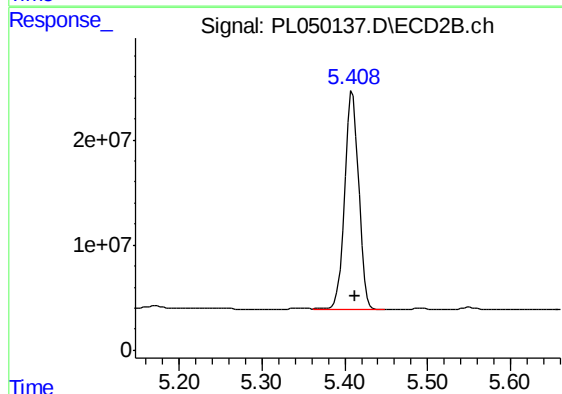
R.T.: 5.107 min  
Delta R.T.: -0.003 min  
Response: 262897543  
Conc: 60.74 ng/ml



#5 Aldrin

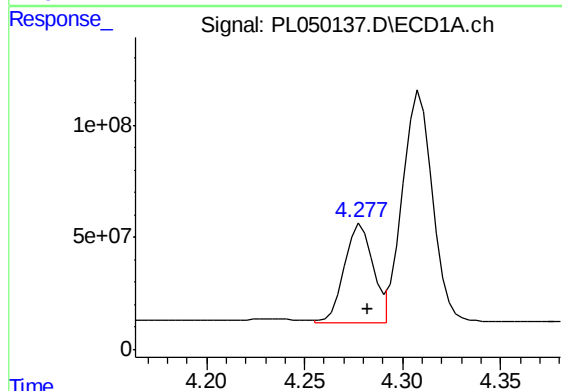
R.T.: 4.547 min  
Delta R.T.: -0.004 min  
Response: 1039089472  
Conc: 60.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



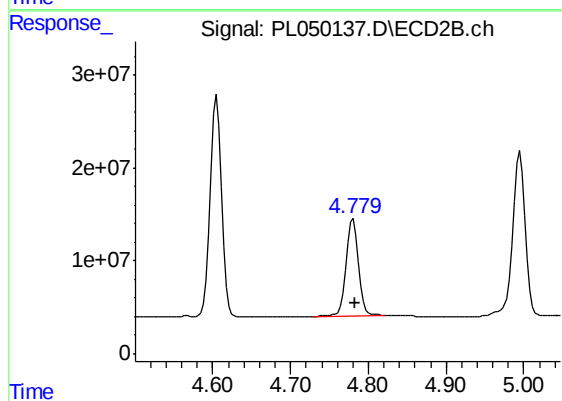
#5 Aldrin

R.T.: 5.410 min  
Delta R.T.: -0.003 min  
Response: 246430343  
Conc: 62.91 ng/ml



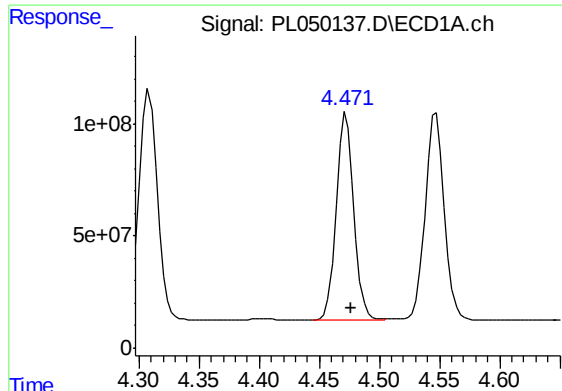
#6 beta-BHC

R.T.: 4.279 min  
Delta R.T.: -0.004 min  
Response: 436466386  
Conc: 59.67 ng/ml



#6 beta-BHC

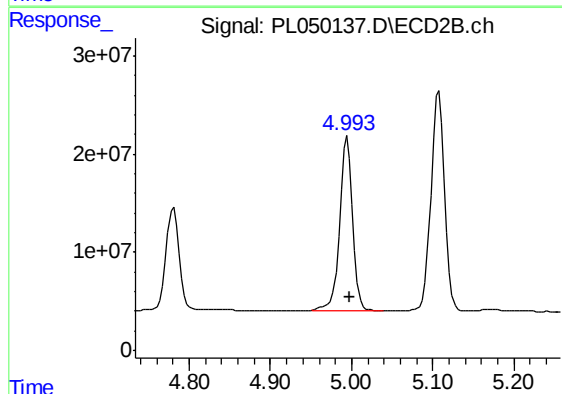
R.T.: 4.781 min  
Delta R.T.: -0.003 min  
Response: 117299122  
Conc: 60.56 ng/ml



#7 delta-BHC

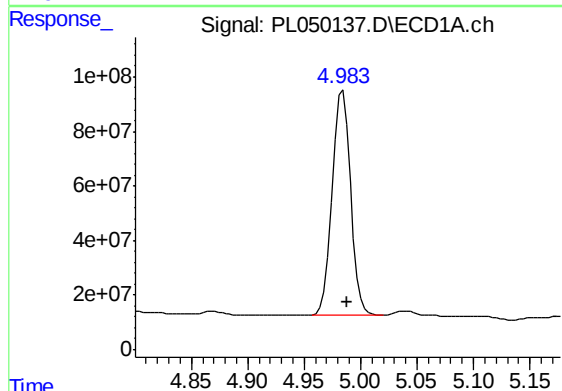
R.T.: 4.472 min  
Delta R.T.: -0.004 min  
Response: 953751632  
Conc: 53.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



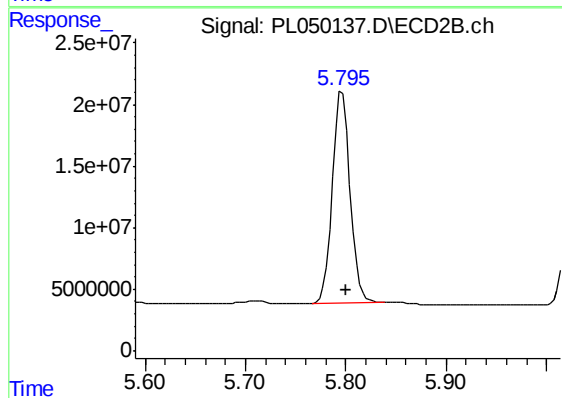
#7 delta-BHC

R.T.: 4.995 min  
Delta R.T.: -0.002 min  
Response: 198253974  
Conc: 50.33 ng/ml



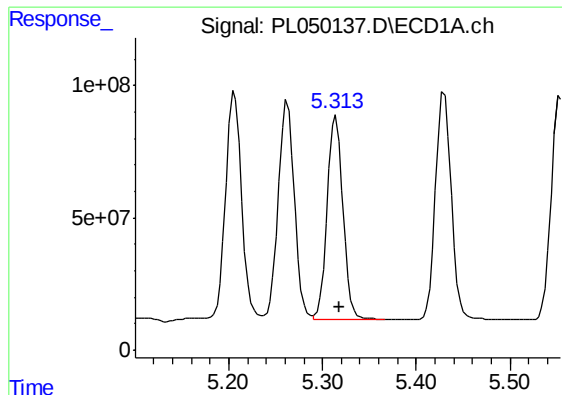
#8 Heptachlor epoxide

R.T.: 4.984 min  
Delta R.T.: -0.004 min  
Response: 945330680  
Conc: 58.73 ng/ml



#8 Heptachlor epoxide

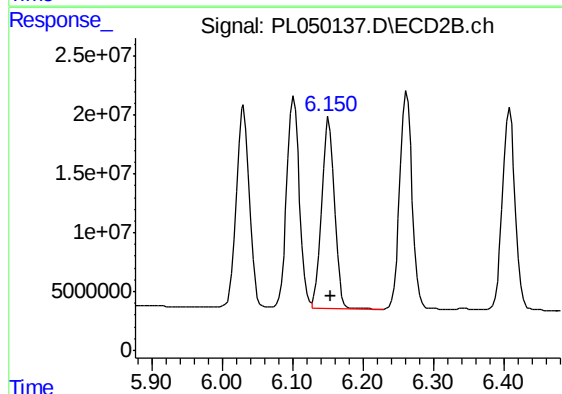
R.T.: 5.797 min  
Delta R.T.: -0.004 min  
Response: 210515876  
Conc: 57.90 ng/ml



#9 Endosulfan I

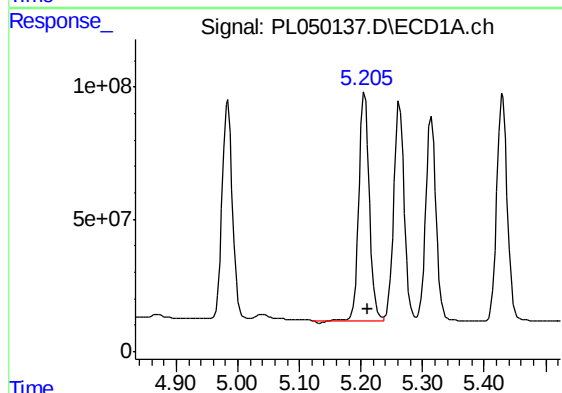
R.T.: 5.314 min  
Delta R.T.: -0.004 min  
Response: 908510621  
Conc: 58.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



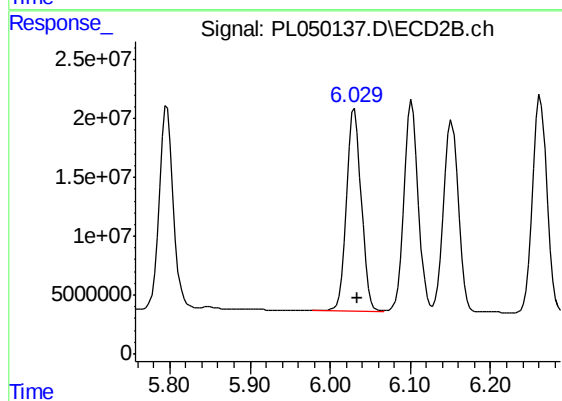
#9 Endosulfan I

R.T.: 6.152 min  
Delta R.T.: -0.003 min  
Response: 206447603  
Conc: 60.77 ng/ml



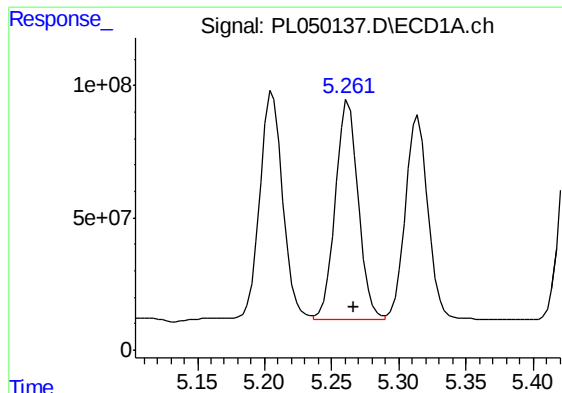
#10 gamma-Chlordane

R.T.: 5.206 min  
Delta R.T.: -0.004 min  
Response: 1022602467  
Conc: 59.84 ng/ml



#10 gamma-Chlordane

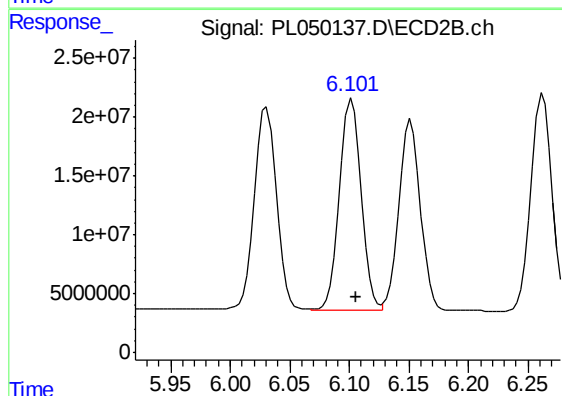
R.T.: 6.031 min  
Delta R.T.: -0.003 min  
Response: 219411242  
Conc: 58.88 ng/ml



#11 alpha-Chlordane

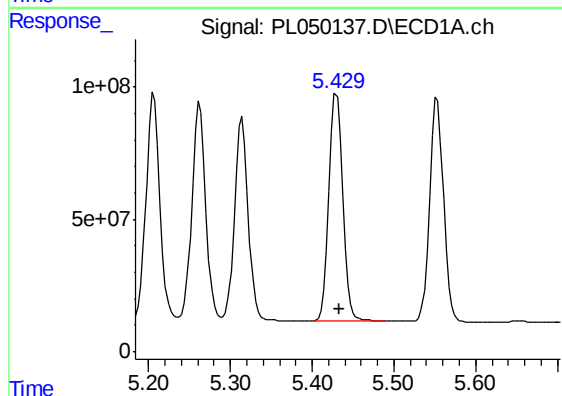
R.T.: 5.263 min  
Delta R.T.: -0.004 min  
Response: 982268110  
Conc: 59.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



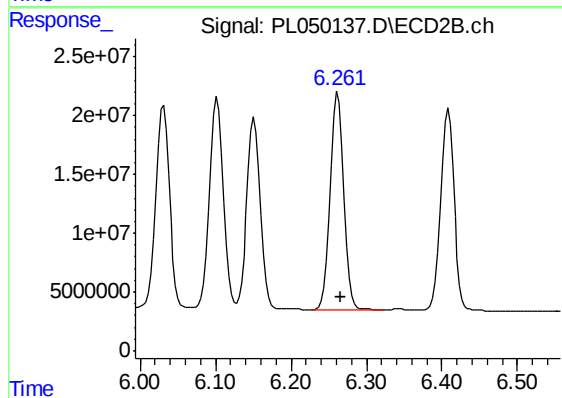
#11 alpha-Chlordane

R.T.: 6.102 min  
Delta R.T.: -0.003 min  
Response: 224224094  
Conc: 60.63 ng/ml



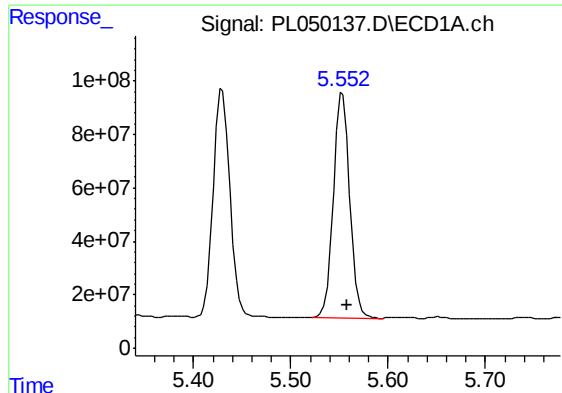
#12 4,4'-DDE

R.T.: 5.430 min  
Delta R.T.: -0.004 min  
Response: 1013499791  
Conc: 60.84 ng/ml



#12 4,4'-DDE

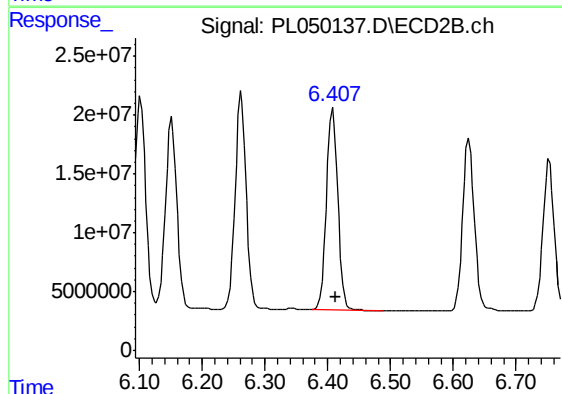
R.T.: 6.262 min  
Delta R.T.: -0.003 min  
Response: 226546164  
Conc: 65.29 ng/ml



#13 Dielddrin

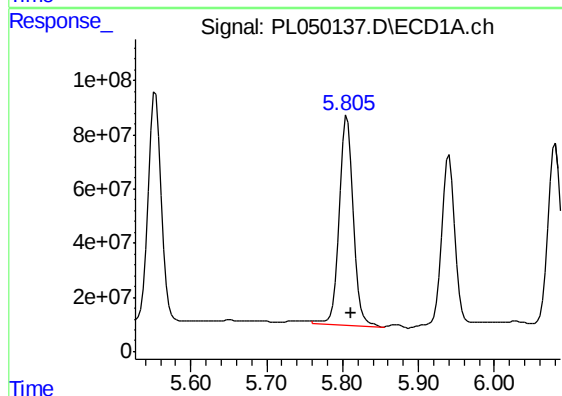
R.T.: 5.553 min  
Delta R.T.: -0.004 min  
Response: 987396079  
Conc: 59.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



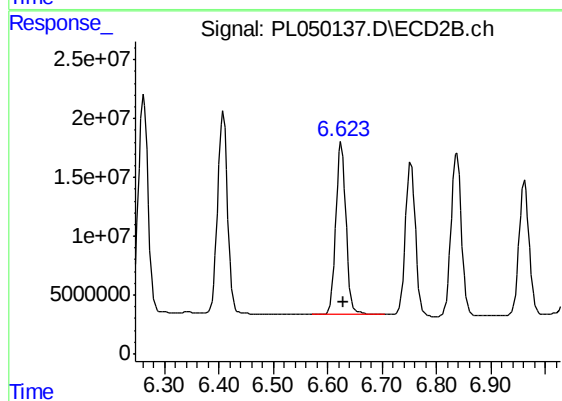
#13 Dielddrin

R.T.: 6.408 min  
Delta R.T.: -0.004 min  
Response: 216502603  
Conc: 61.03 ng/ml



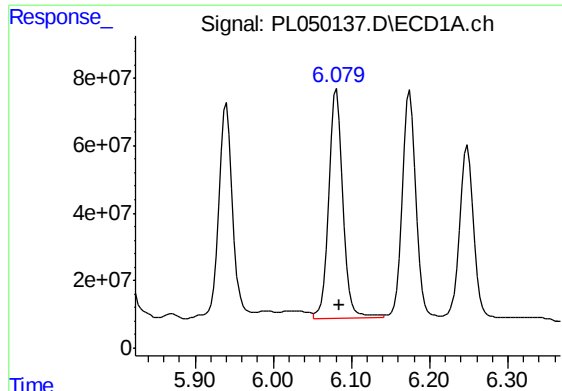
#14 Endrin

R.T.: 5.806 min  
Delta R.T.: -0.005 min  
Response: 984962558  
Conc: 61.50 ng/ml



#14 Endrin

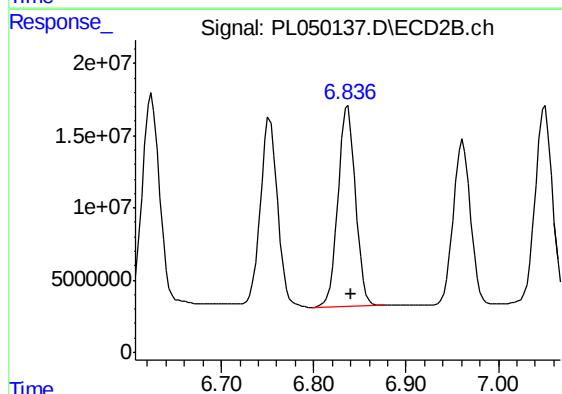
R.T.: 6.625 min  
Delta R.T.: -0.004 min  
Response: 190247884  
Conc: 60.26 ng/ml



#15 Endosulfan II

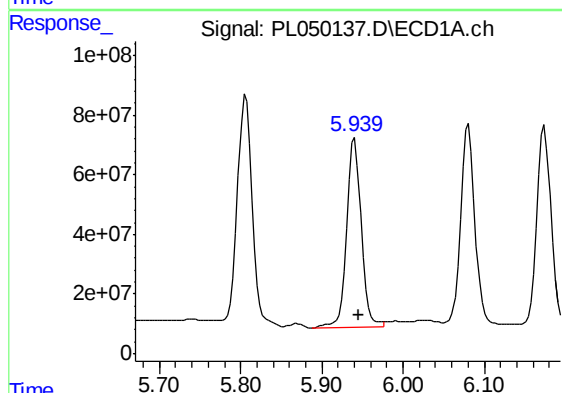
R.T.: 6.081 min  
Delta R.T.: -0.004 min  
Response: 872512299  
Conc: 59.88 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



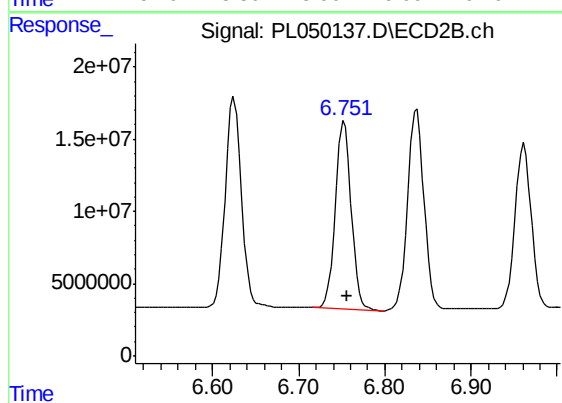
#15 Endosulfan II

R.T.: 6.837 min  
Delta R.T.: -0.004 min  
Response: 183293046  
Conc: 56.91 ng/ml



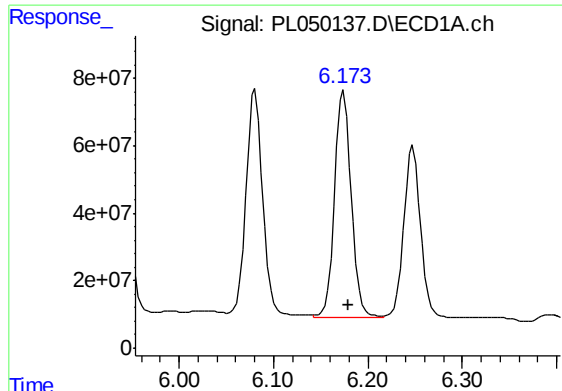
#16 4,4'-DDD

R.T.: 5.941 min  
Delta R.T.: -0.004 min  
Response: 793905606  
Conc: 62.89 ng/ml



#16 4,4'-DDD

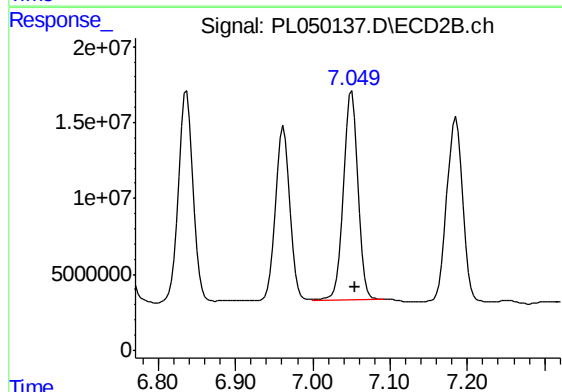
R.T.: 6.753 min  
Delta R.T.: -0.004 min  
Response: 165315800  
Conc: 63.24 ng/ml



#17 4,4'-DDT

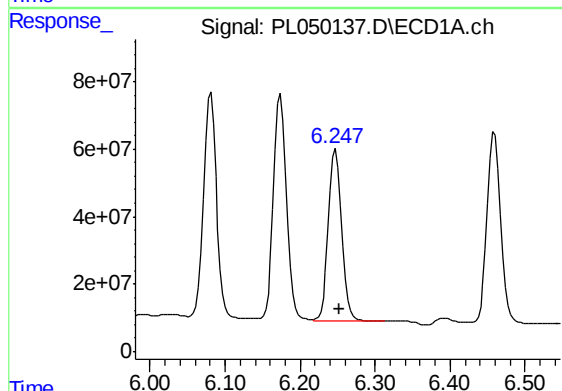
R.T.: 6.174 min  
Delta R.T.: -0.005 min  
Response: 832349814  
Conc: 62.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



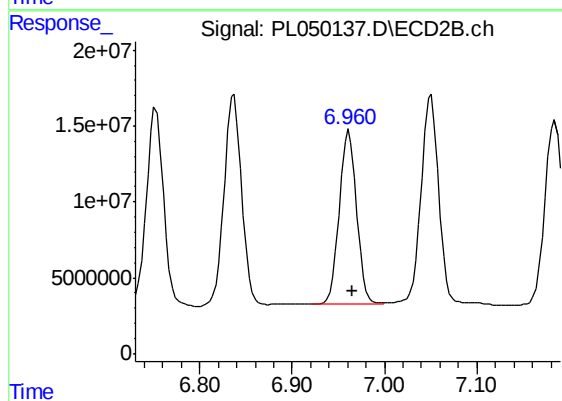
#17 4,4'-DDT

R.T.: 7.051 min  
Delta R.T.: -0.003 min  
Response: 179663767  
Conc: 61.34 ng/ml



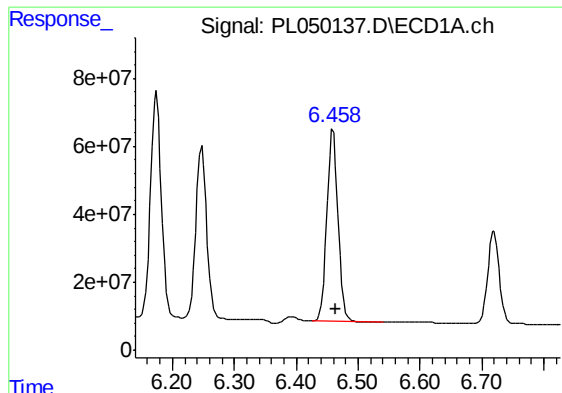
#18 Endrin aldehyde

R.T.: 6.248 min  
Delta R.T.: -0.005 min  
Response: 634644231  
Conc: 53.73 ng/ml



#18 Endrin aldehyde

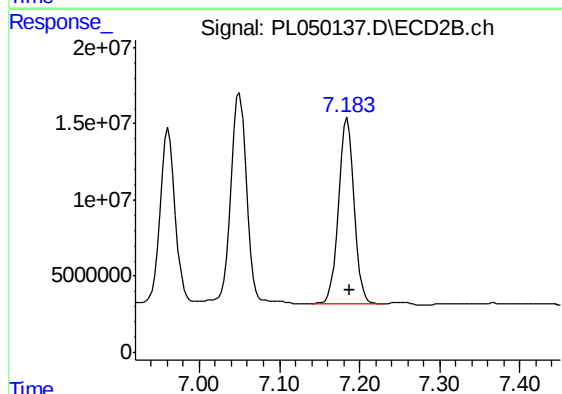
R.T.: 6.962 min  
Delta R.T.: -0.003 min  
Response: 148615204  
Conc: 54.11 ng/ml



#19 Endosulfan Sulfate

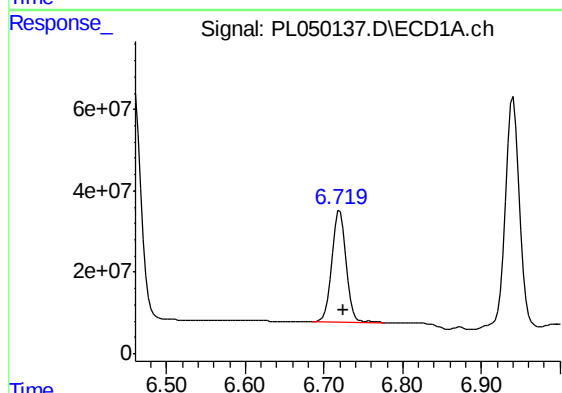
R.T.: 6.460 min  
Delta R.T.: -0.004 min  
Response: 712966799  
Conc: 54.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



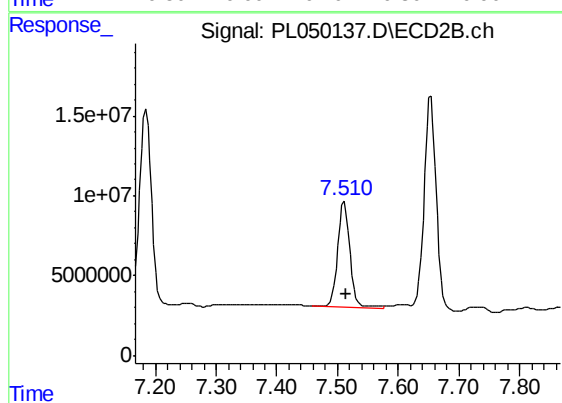
#19 Endosulfan Sulfate

R.T.: 7.185 min  
Delta R.T.: -0.003 min  
Response: 165964282  
Conc: 55.15 ng/ml



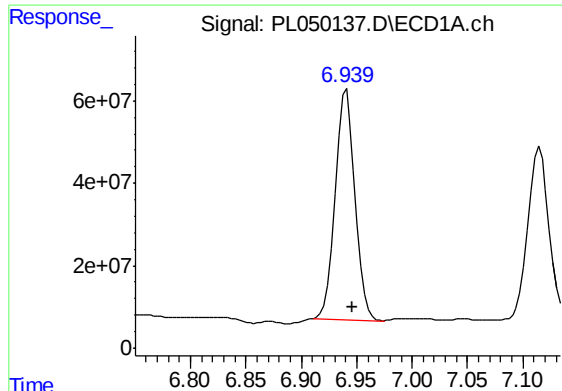
#20 Methoxychlor

R.T.: 6.720 min  
Delta R.T.: -0.005 min  
Response: 354622929  
Conc: 54.40 ng/ml



#20 Methoxychlor

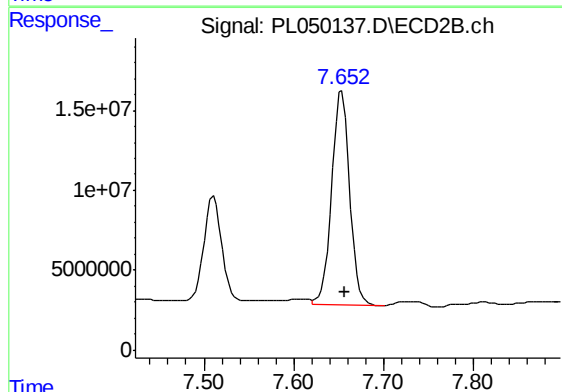
R.T.: 7.511 min  
Delta R.T.: -0.003 min  
Response: 93576947  
Conc: 56.14 ng/ml



#21 Endrin ketone

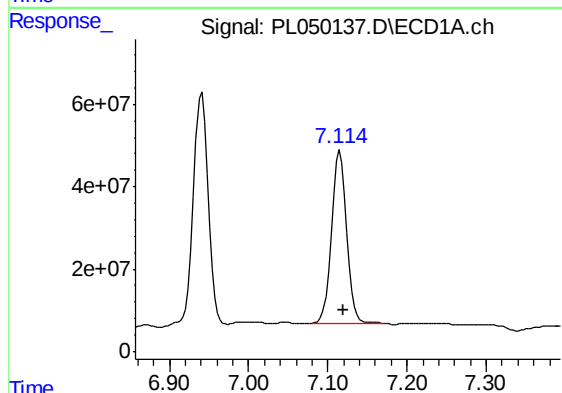
R.T.: 6.941 min  
Delta R.T.: -0.006 min  
Response: 697673912  
Conc: 49.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



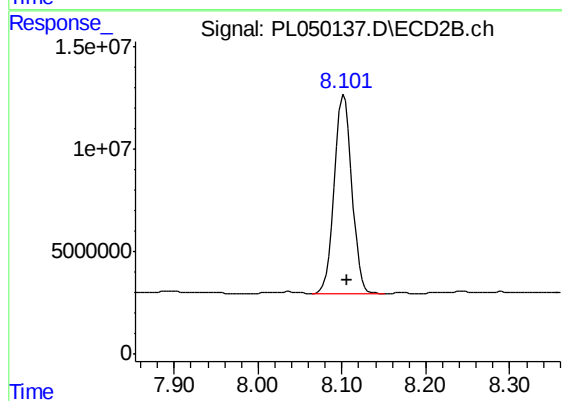
#21 Endrin ketone

R.T.: 7.654 min  
Delta R.T.: -0.004 min  
Response: 187365273  
Conc: 60.13 ng/ml



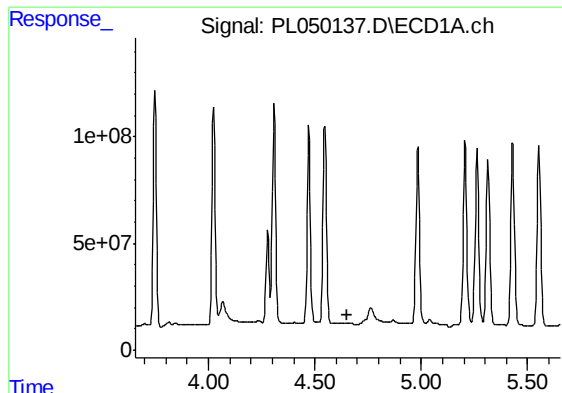
#22 Mirex

R.T.: 7.115 min  
Delta R.T.: -0.005 min  
Response: 562162243  
Conc: 54.38 ng/ml



#22 Mirex

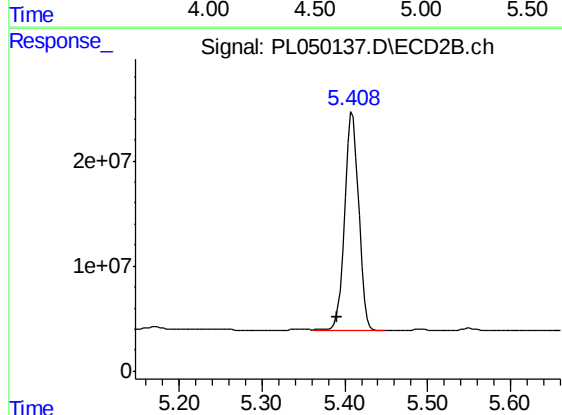
R.T.: 8.103 min  
Delta R.T.: -0.004 min  
Response: 140922205  
Conc: 55.73 ng/ml



#24 Chlordane-2

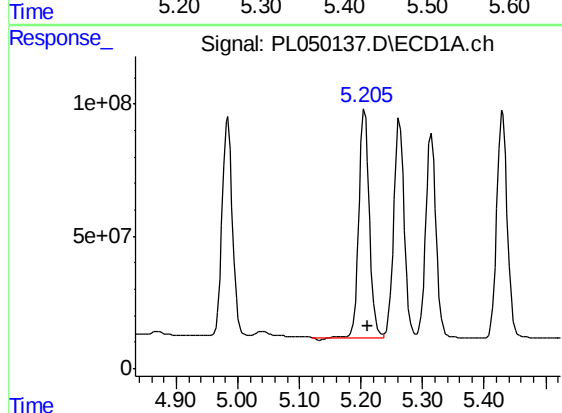
R.T.: 0.000 min  
Exp R.T.: 4.655 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



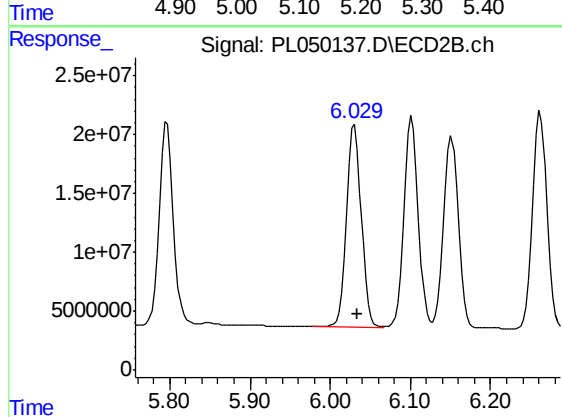
#24 Chlordane-2

R.T.: 5.410 min  
Delta R.T.: 0.020 min  
Response: 246430343  
Conc: 1586.39 ng/ml



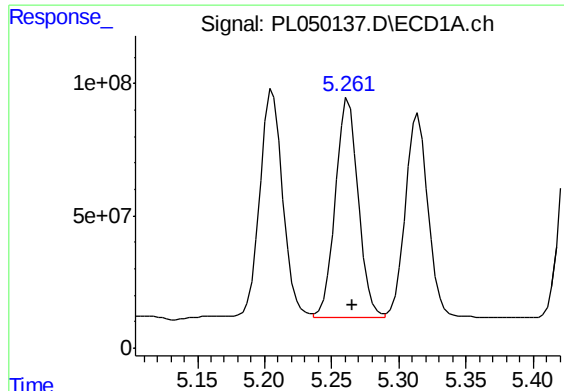
#25 Chlordane-3

R.T.: 5.206 min  
Delta R.T.: -0.004 min  
Response: 1022602467  
Conc: 544.45 ng/ml



#25 Chlordane-3

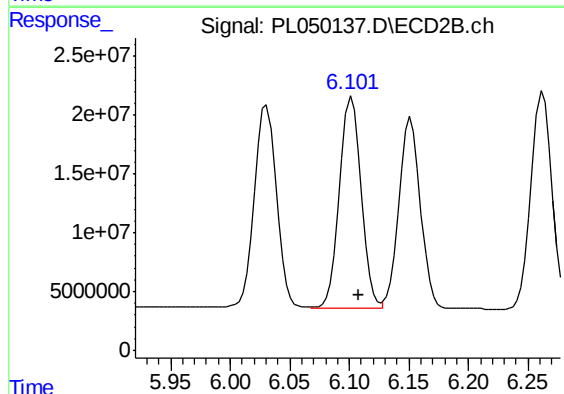
R.T.: 6.031 min  
Delta R.T.: -0.004 min  
Response: 219411242  
Conc: 440.92 ng/ml



#26 Chlordane-4

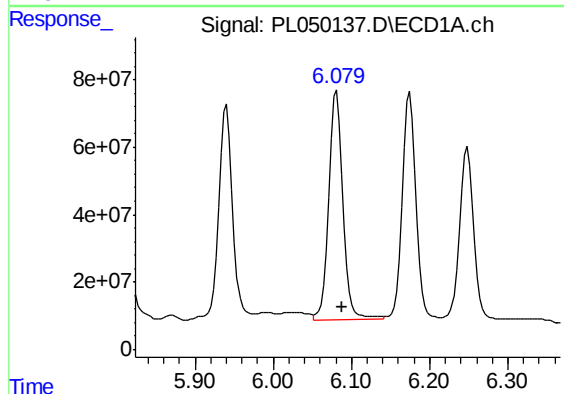
R.T.: 5.263 min  
Delta R.T.: -0.003 min  
Response: 982268110  
Conc: 562.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



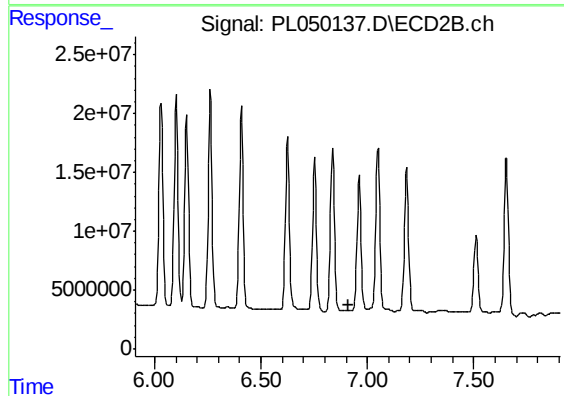
#26 Chlordane-4

R.T.: 6.102 min  
Delta R.T.: -0.005 min  
Response: 224224094  
Conc: 377.26 ng/ml



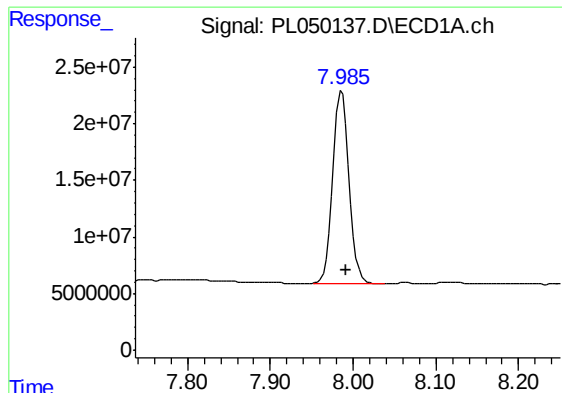
#27 Chlordane-5

R.T.: 6.081 min  
Delta R.T.: -0.008 min  
Response: 872512299  
Conc: 1554.71 ng/ml



#27 Chlordane-5

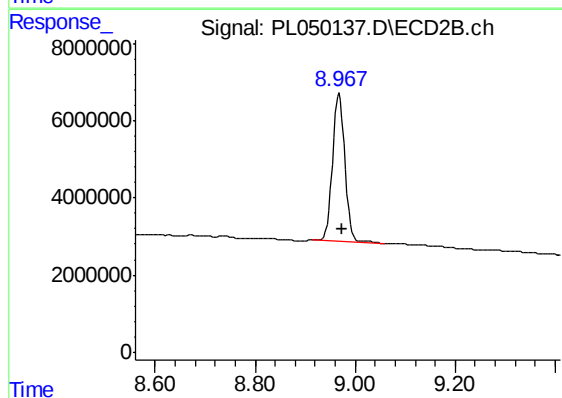
R.T.: 0.000 min  
Exp R.T. : 6.910 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.986 min  
Delta R.T.: -0.006 min  
Response: 233355104  
Conc: 18.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
NB-SOIL-PILEMS



#28 Decachlorobiphenyl

R.T.: 8.968 min  
Delta R.T.: -0.005 min  
Response: 65983343  
Conc: 19.66 ng/ml