

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071219\  
 Data File : PL050341.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 Jul 2019 15:22  
 Operator : SM\AJ  
 Sample : K3761-01MS  
 Misc :  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL-DRUMMS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jul 12 23:16:06 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... | 3.320 | 3.932  | 172.2E6 | 52113228 | 15.266   | 17.021     |
| 28)                         | SA Decachlor... | 7.985 | 8.965  | 160.5E6 | 45675342 | 12.631   | 13.606     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.748 | 4.320  | 960.0E6 | 249.7E6  | 51.097   | 55.780     |
| 3)                          | MA gamma-BHC... | 4.024 | 4.604  | 901.2E6 | 236.0E6  | 50.825   | 56.894     |
| 4)                          | MA Heptachlor   | 4.308 | 5.106  | 809.1E6 | 210.6E6  | 44.515   | 48.659     |
| 5)                          | MB Aldrin       | 4.546 | 5.408  | 749.8E6 | 197.0E6  | 43.422   | 50.291     |
| 6)                          | B beta-BHC      | 4.279 | 4.779  | 373.9E6 | 109.0E6  | 51.111   | 56.255     |
| 7)                          | B delta-BHC     | 4.472 | 4.993  | 847.6E6 | 210.1E6  | 47.398   | 53.345     |
| 8)                          | B Heptachlo...  | 4.983 | 5.795  | 793.6E6 | 202.9E6  | 49.302   | 55.808     |
| 9)                          | A Endosulfan I  | 5.314 | 6.150  | 771.9E6 | 194.4E6  | 49.888   | 57.234     |
| 10)                         | B gamma-Chl...  | 5.205 | 6.029  | 835.7E6 | 199.3E6  | 48.905   | 53.473     |
| 11)                         | B alpha-Chl...  | 5.261 | 6.100  | 805.6E6 | 193.4E6  | 48.531   | 52.299     |
| 12)                         | B 4,4'-DDE      | 5.429 | 6.261  | 717.3E6 | 182.6E6  | 43.055   | 52.634     |
| 13)                         | MA Dieldrin     | 5.553 | 6.407  | 791.2E6 | 193.9E6  | 47.499   | 54.658     |
| 14)                         | MA Endrin       | 5.805 | 6.624  | 808.6E6 | 178.2E6  | 50.494   | 56.432     |
| 15)                         | B Endosulfa...  | 6.080 | 6.835  | 645.1E6 | 180.3E6  | 44.274   | 55.987 #   |
| 16)                         | A 4,4'-DDD      | 5.940 | 6.752  | 618.0E6 | 148.2E6  | 48.951   | 56.706     |
| 17)                         | MA 4,4'-DDT     | 6.174 | 7.049  | 537.0E6 | 135.4E6  | 40.449   | 46.237     |
| 18)                         | B Endrin al...  | 6.247 | 6.960  | 555.4E6 | 141.3E6  | 47.019   | 51.455     |
| 19)                         | B Endosulfa...  | 6.458 | 7.183  | 566.9E6 | 149.5E6  | 43.724   | 49.669     |
| 20)                         | A Methoxychlor  | 6.719 | 7.509  | 297.8E6 | 82894808 | 45.683   | 49.734     |
| 21)                         | B Endrin ke...  | 6.940 | 7.651  | 664.7E6 | 167.3E6  | 47.291   | 53.703     |
| 22)                         | Mirex           | 7.114 | 8.100  | 384.6E6 | 106.3E6  | 37.202   | 42.057     |
| 24)                         | Chlordane-2     | 0.000 | 5.408f | 0       | 197.0E6  | N.D.     | 1268.145 # |
| 25)                         | Chlordane-3     | 5.205 | 6.029  | 835.7E6 | 199.3E6  | 444.958  | 400.431    |
| 26)                         | Chlordane-4     | 5.261 | 6.100  | 805.6E6 | 193.4E6  | 461.604  | 325.442 #  |
| 27)                         | Chlordane-5     | 6.080 | 0.000  | 645.1E6 | 0        | 1149.536 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

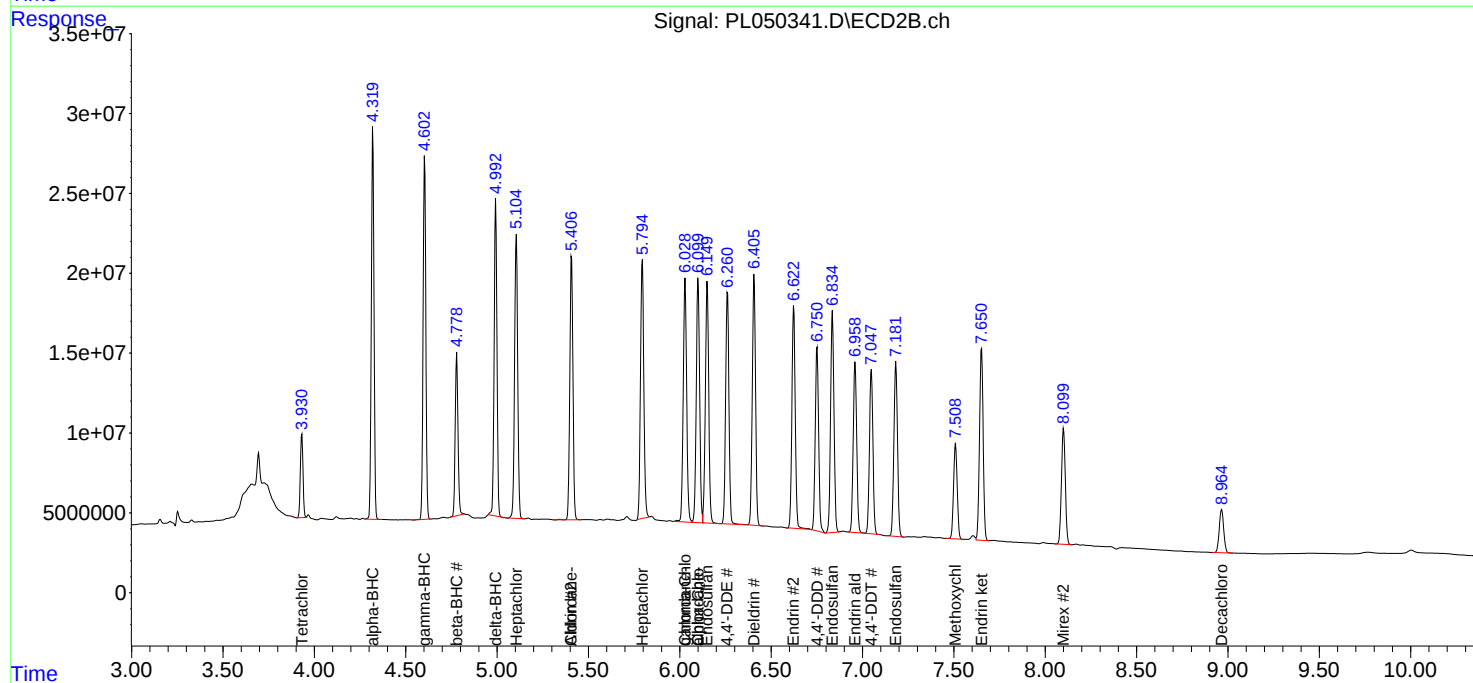
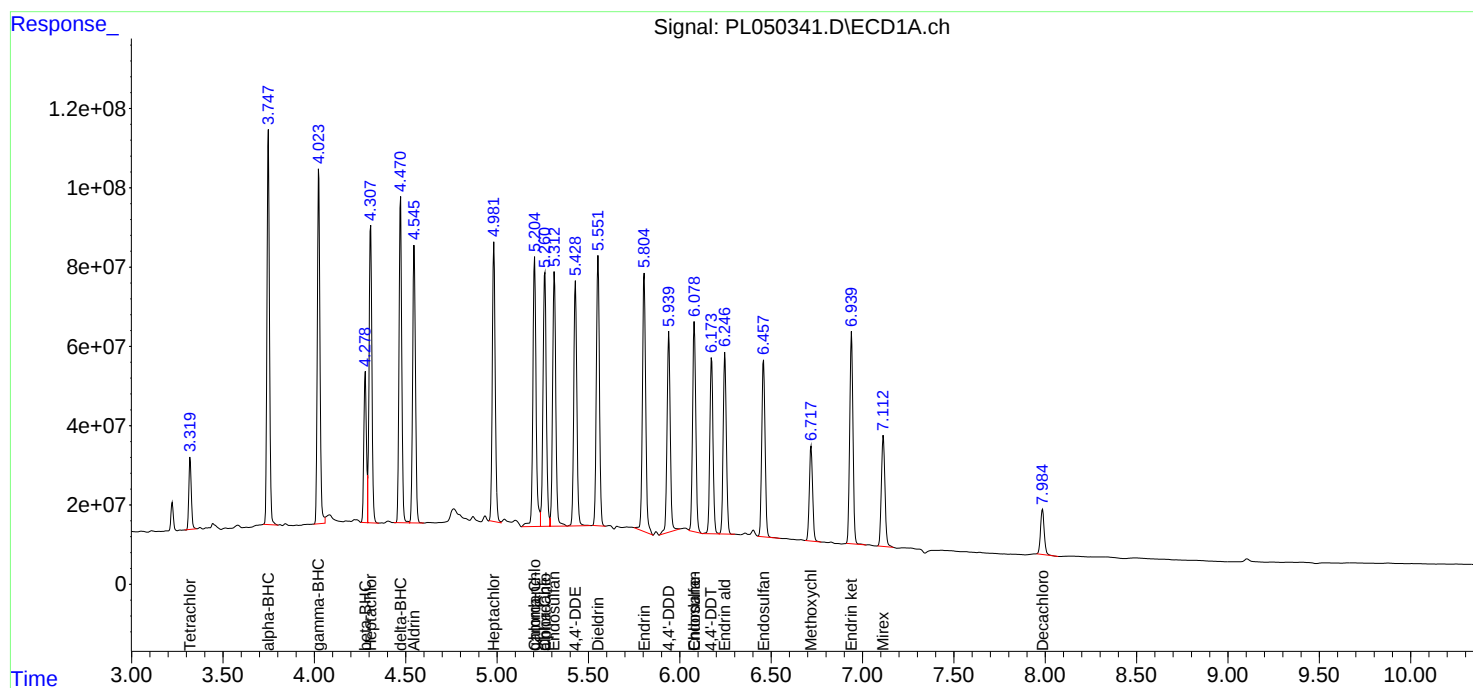
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

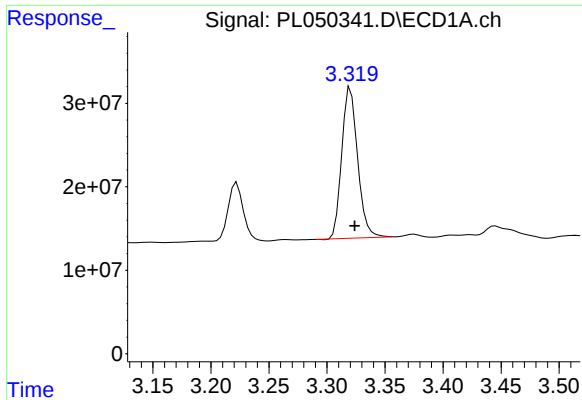
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL071219\  
Data File : PL050341.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 Jul 2019 15:22  
Operator : SM\AJ  
Sample : K3761-01MS  
Misc :  
ALS Vial : 16 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Jul 12 23:16:06 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

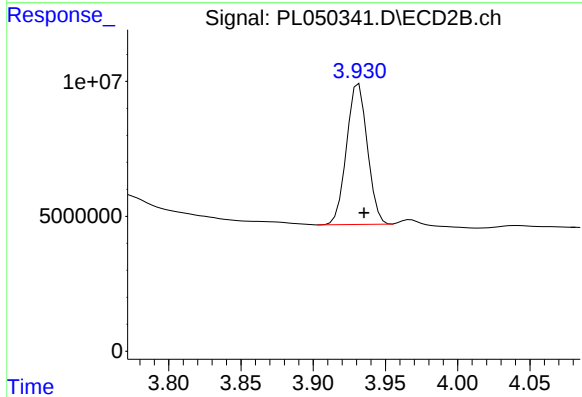




#1 Tetrachloro-m-xylene

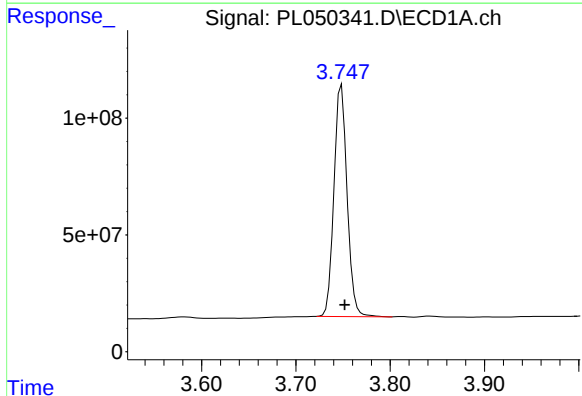
R.T.: 3.320 min  
Delta R.T.: -0.004 min  
Response: 172161754  
Conc: 15.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



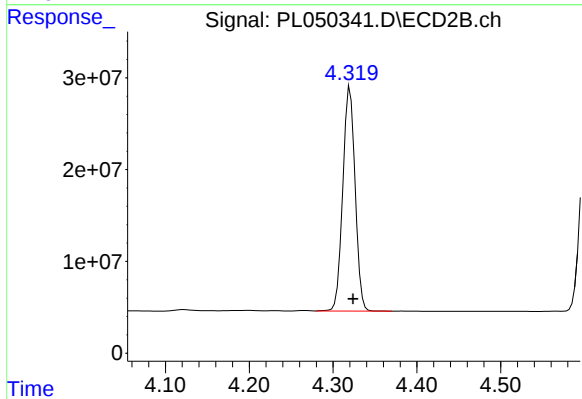
#1 Tetrachloro-m-xylene

R.T.: 3.932 min  
Delta R.T.: -0.004 min  
Response: 52113228  
Conc: 17.02 ng/ml



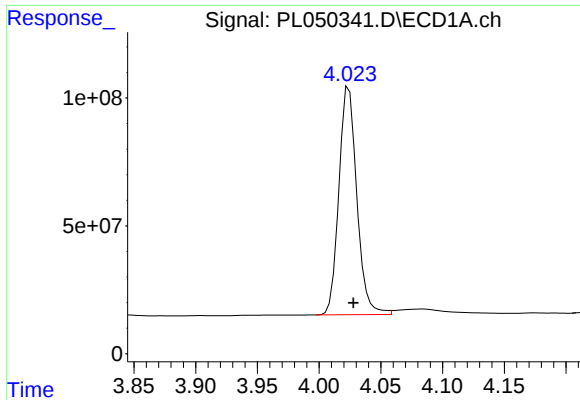
#2 alpha-BHC

R.T.: 3.748 min  
Delta R.T.: -0.003 min  
Response: 959966955  
Conc: 51.10 ng/ml



#2 alpha-BHC

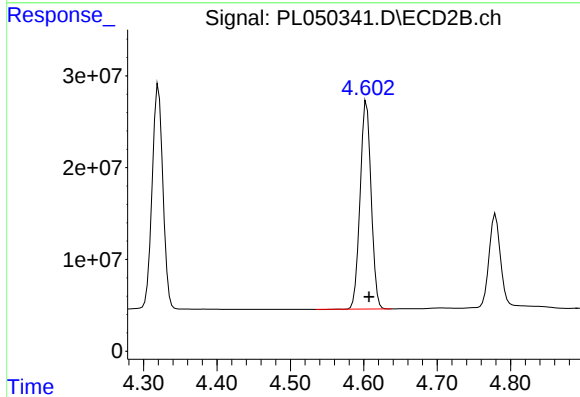
R.T.: 4.320 min  
Delta R.T.: -0.004 min  
Response: 249703880  
Conc: 55.78 ng/ml



#3 gamma-BHC (Lindane)

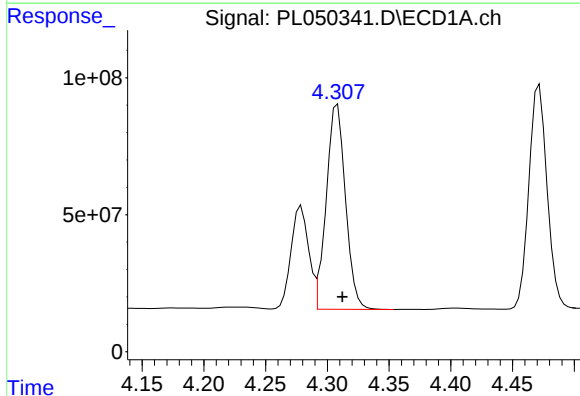
R.T.: 4.024 min  
Delta R.T.: -0.003 min  
Response: 901158579  
Conc: 50.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



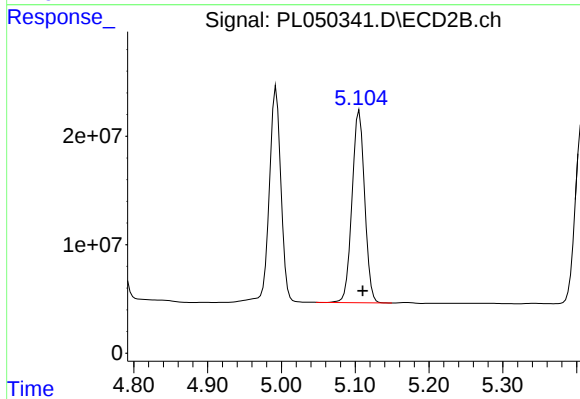
#3 gamma-BHC (Lindane)

R.T.: 4.604 min  
Delta R.T.: -0.004 min  
Response: 235984675  
Conc: 56.89 ng/ml



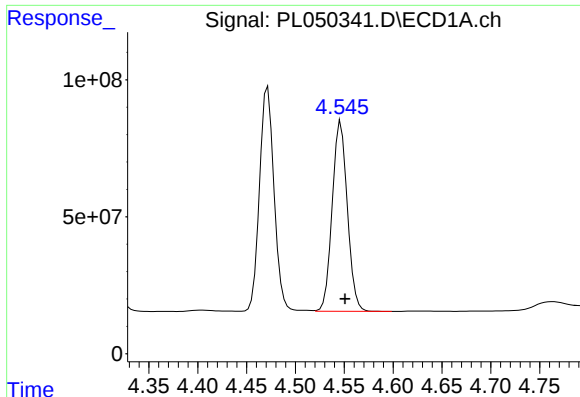
#4 Heptachlor

R.T.: 4.308 min  
Delta R.T.: -0.004 min  
Response: 809146609  
Conc: 44.51 ng/ml



#4 Heptachlor

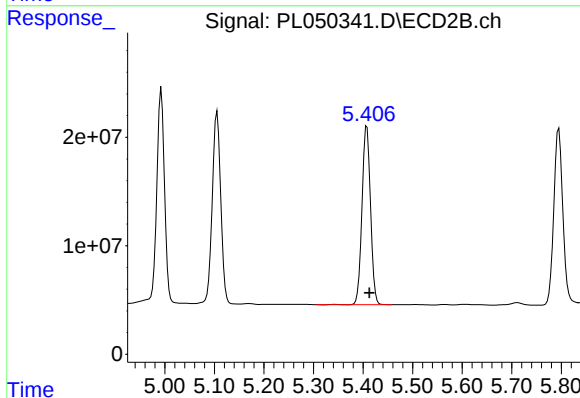
R.T.: 5.106 min  
Delta R.T.: -0.005 min  
Response: 210617299  
Conc: 48.66 ng/ml



#5 Aldrin

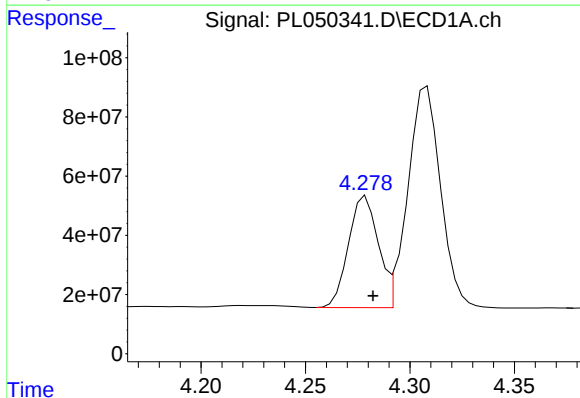
R.T.: 4.546 min  
Delta R.T.: -0.004 min  
Response: 749807835  
Conc: 43.42 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



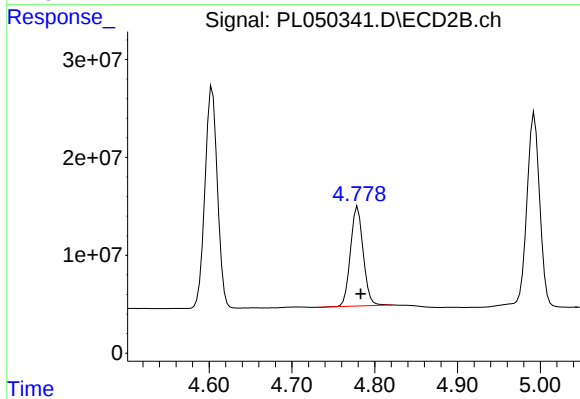
#5 Aldrin

R.T.: 5.408 min  
Delta R.T.: -0.005 min  
Response: 196994066  
Conc: 50.29 ng/ml



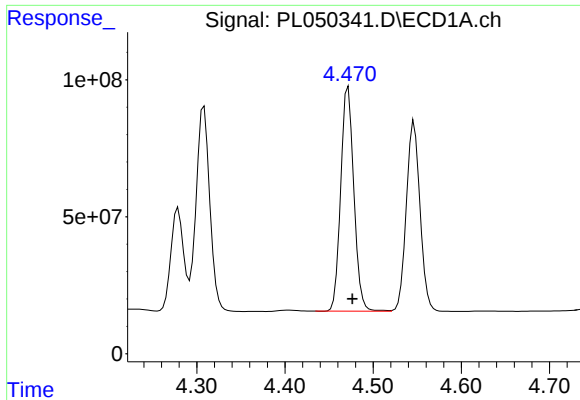
#6 beta-BHC

R.T.: 4.279 min  
Delta R.T.: -0.003 min  
Response: 373864846  
Conc: 51.11 ng/ml



#6 beta-BHC

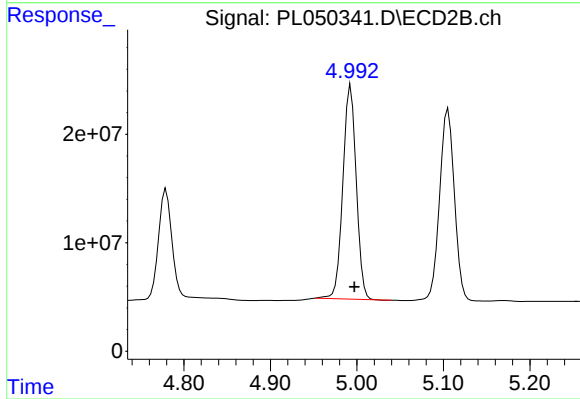
R.T.: 4.779 min  
Delta R.T.: -0.004 min  
Response: 108967976  
Conc: 56.25 ng/ml



#7 delta-BHC

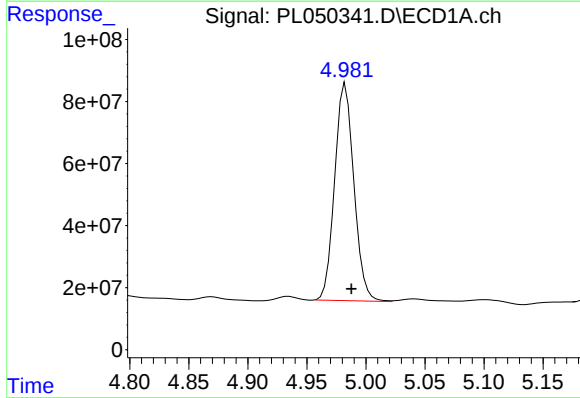
R.T.: 4.472 min  
Delta R.T.: -0.005 min  
Response: 847649599  
Conc: 47.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



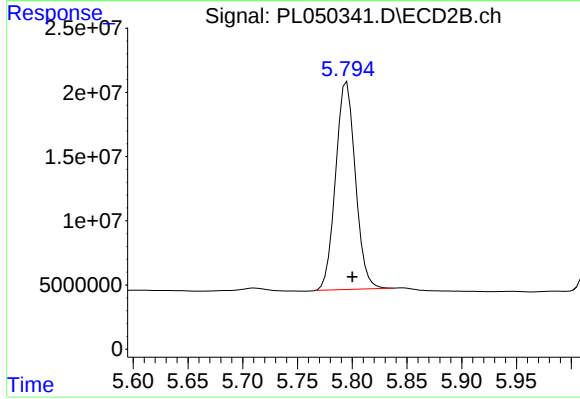
#7 delta-BHC

R.T.: 4.993 min  
Delta R.T.: -0.004 min  
Response: 210120808  
Conc: 53.35 ng/ml



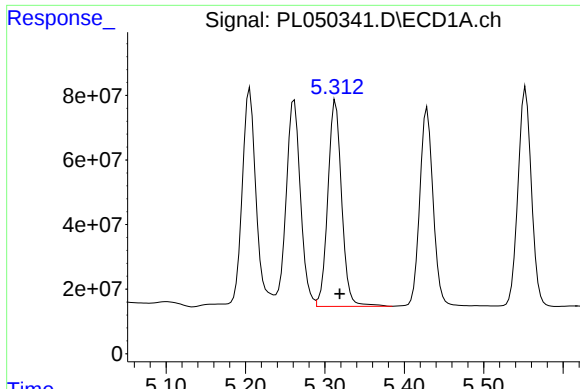
#8 Heptachlor epoxide

R.T.: 4.983 min  
Delta R.T.: -0.005 min  
Response: 793626787  
Conc: 49.30 ng/ml



#8 Heptachlor epoxide

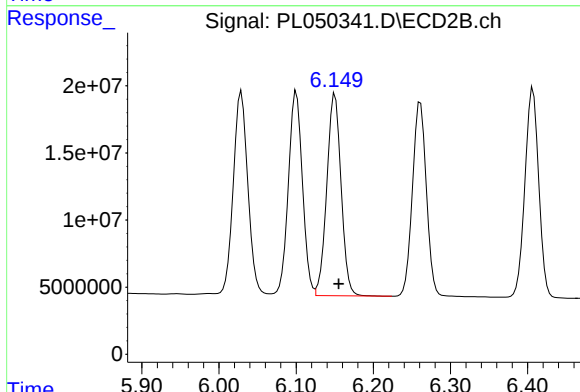
R.T.: 5.795 min  
Delta R.T.: -0.005 min  
Response: 202904470  
Conc: 55.81 ng/ml



#9 Endosulfan I

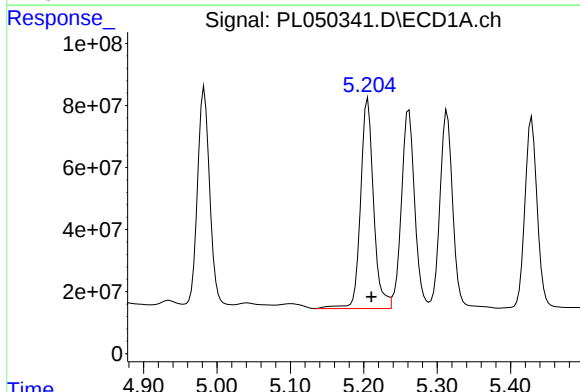
R.T.: 5.314 min  
Delta R.T.: -0.005 min  
Response: 771892329  
Conc: 49.89 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



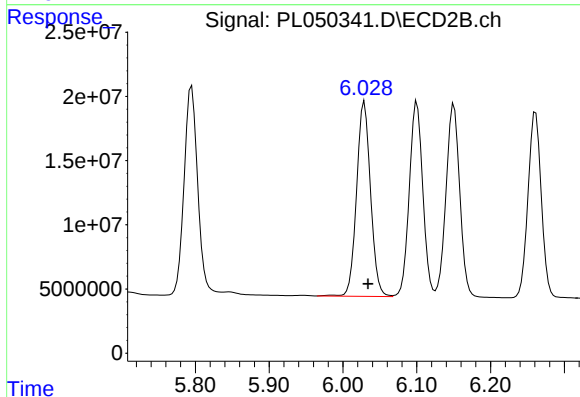
#9 Endosulfan I

R.T.: 6.150 min  
Delta R.T.: -0.005 min  
Response: 194444341  
Conc: 57.23 ng/ml



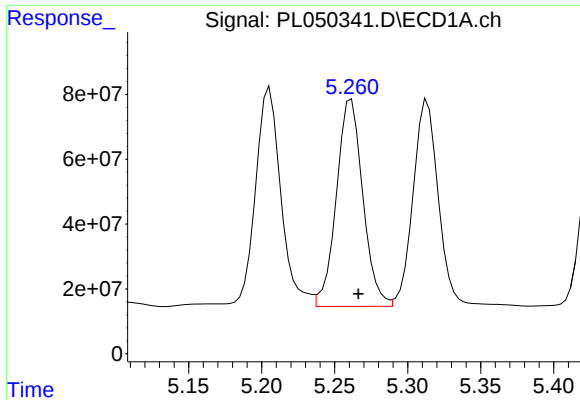
#10 gamma-Chlordane

R.T.: 5.205 min  
Delta R.T.: -0.005 min  
Response: 835726767  
Conc: 48.90 ng/ml



#10 gamma-Chlordane

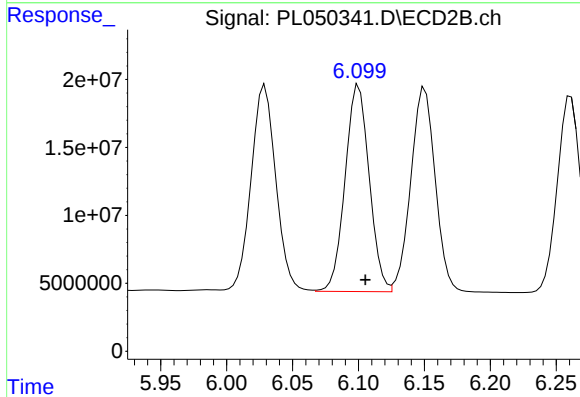
R.T.: 6.029 min  
Delta R.T.: -0.005 min  
Response: 199264294  
Conc: 53.47 ng/ml



#11 alpha-Chlordane

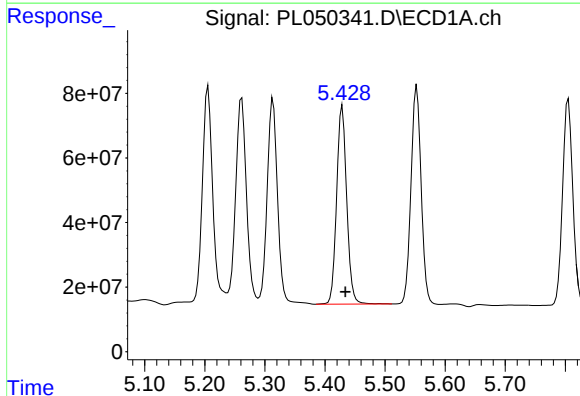
R.T.: 5.261 min  
Delta R.T.: -0.005 min  
Response: 805564598  
Conc: 48.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



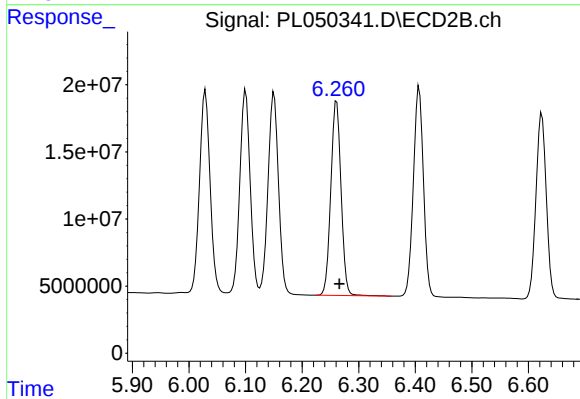
#11 alpha-Chlordane

R.T.: 6.100 min  
Delta R.T.: -0.005 min  
Response: 193423902  
Conc: 52.30 ng/ml



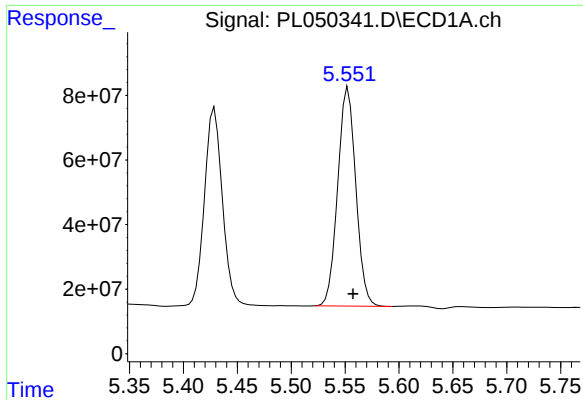
#12 4,4'-DDE

R.T.: 5.429 min  
Delta R.T.: -0.005 min  
Response: 717252311  
Conc: 43.05 ng/ml



#12 4,4'-DDE

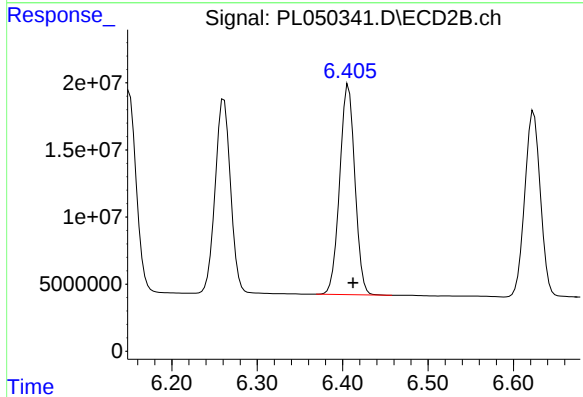
R.T.: 6.261 min  
Delta R.T.: -0.005 min  
Response: 182645804  
Conc: 52.63 ng/ml



#13 Dieldrin

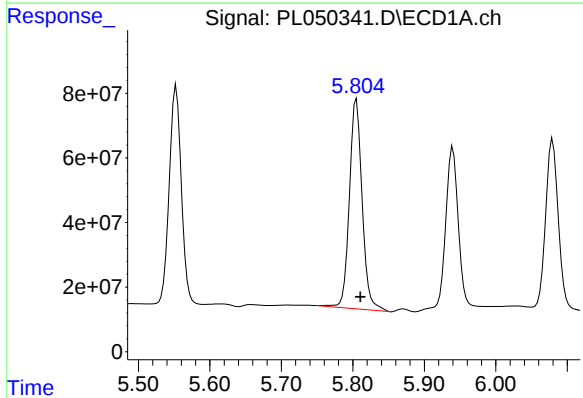
R.T.: 5.553 min  
Delta R.T.: -0.005 min  
Response: 791230919  
Conc: 47.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



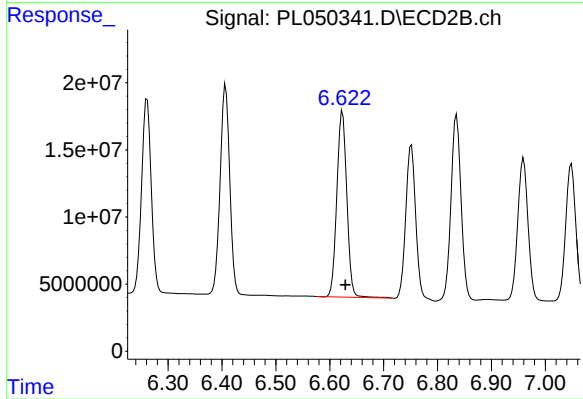
#13 Dieldrin

R.T.: 6.407 min  
Delta R.T.: -0.005 min  
Response: 193901900  
Conc: 54.66 ng/ml



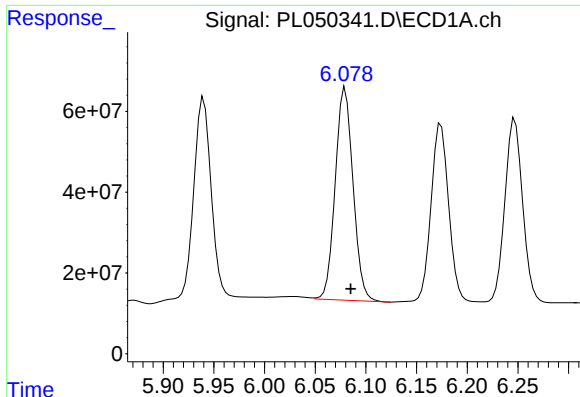
#14 Endrin

R.T.: 5.805 min  
Delta R.T.: -0.005 min  
Response: 808639835  
Conc: 50.49 ng/ml



#14 Endrin

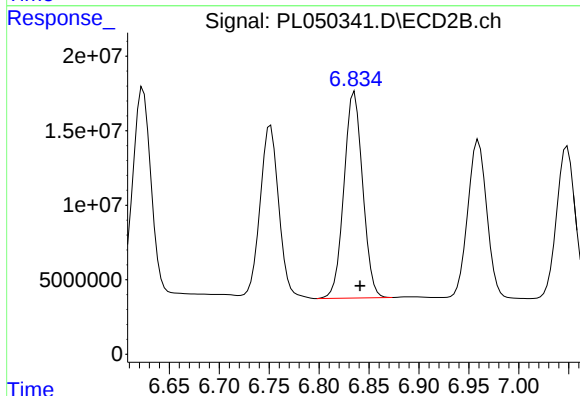
R.T.: 6.624 min  
Delta R.T.: -0.006 min  
Response: 178168341  
Conc: 56.43 ng/ml



#15 Endosulfan II

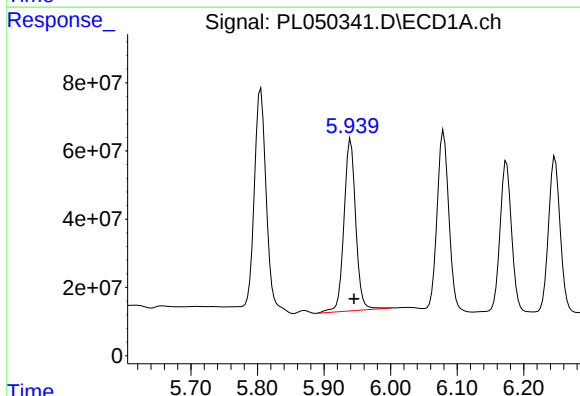
R.T.: 6.080 min  
Delta R.T.: -0.005 min  
Response: 645127898  
Conc: 44.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



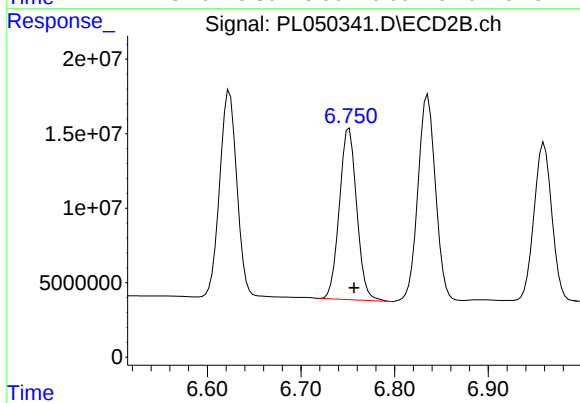
#15 Endosulfan II

R.T.: 6.835 min  
Delta R.T.: -0.006 min  
Response: 180328032  
Conc: 55.99 ng/ml



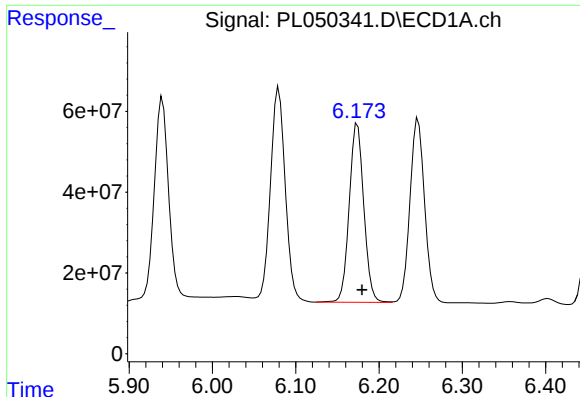
#16 4,4'-DDD

R.T.: 5.940 min  
Delta R.T.: -0.005 min  
Response: 617958505  
Conc: 48.95 ng/ml



#16 4,4'-DDD

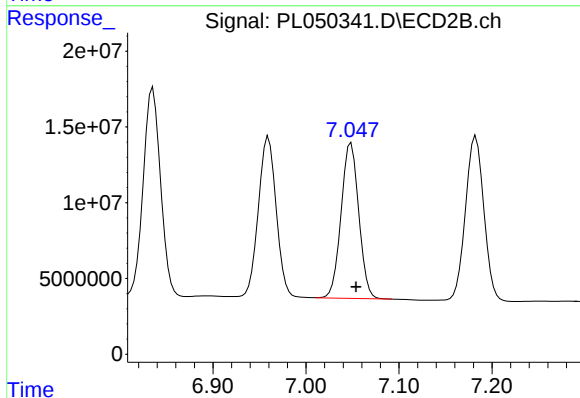
R.T.: 6.752 min  
Delta R.T.: -0.005 min  
Response: 148243837  
Conc: 56.71 ng/ml



#17 4,4'-DDT

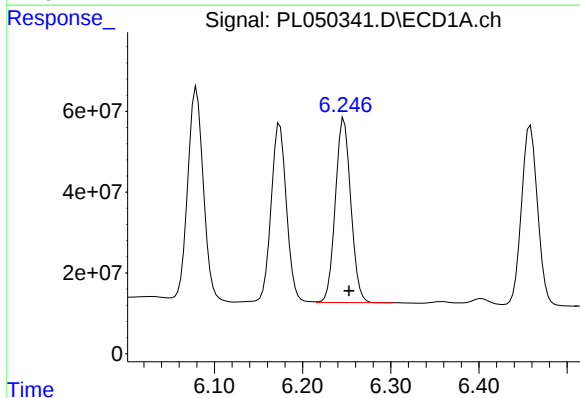
R.T.: 6.174 min  
Delta R.T.: -0.006 min  
Response: 536995628  
Conc: 40.45 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



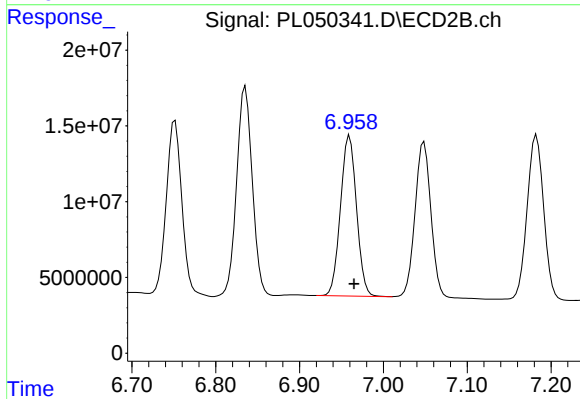
#17 4,4'-DDT

R.T.: 7.049 min  
Delta R.T.: -0.005 min  
Response: 135418331  
Conc: 46.24 ng/ml



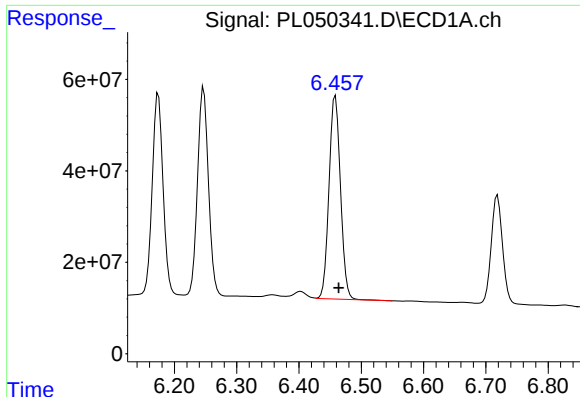
#18 Endrin aldehyde

R.T.: 6.247 min  
Delta R.T.: -0.006 min  
Response: 555371937  
Conc: 47.02 ng/ml



#18 Endrin aldehyde

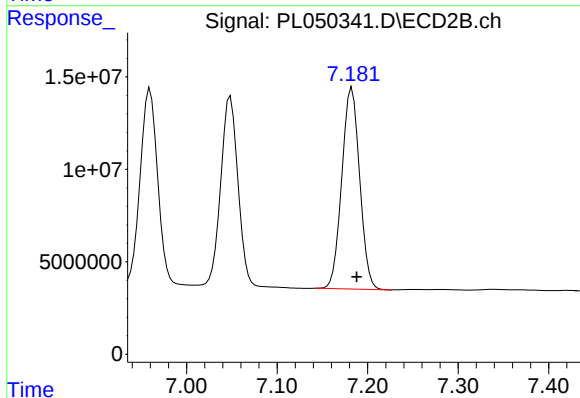
R.T.: 6.960 min  
Delta R.T.: -0.005 min  
Response: 141315597  
Conc: 51.46 ng/ml



#19 Endosulfan Sulfate

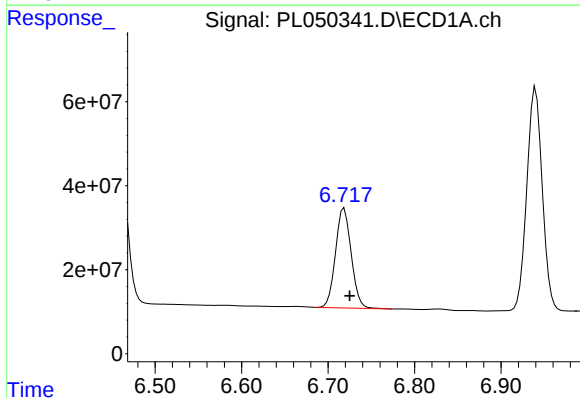
R.T.: 6.458 min  
Delta R.T.: -0.006 min  
Response: 566907163  
Conc: 43.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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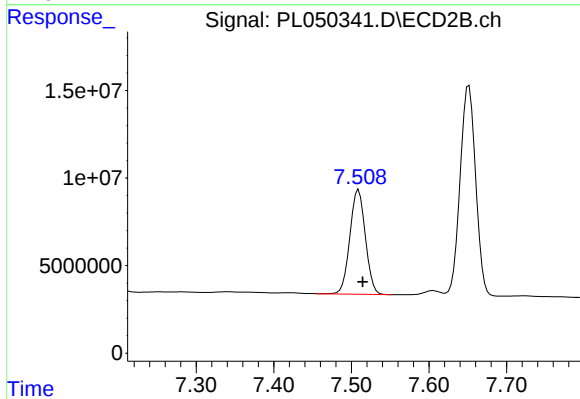
#19 Endosulfan Sulfate

R.T.: 7.183 min  
Delta R.T.: -0.005 min  
Response: 149484405  
Conc: 49.67 ng/ml



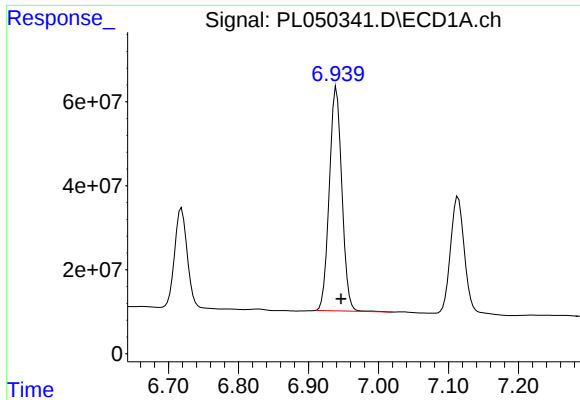
#20 Methoxychlor

R.T.: 6.719 min  
Delta R.T.: -0.006 min  
Response: 297771496  
Conc: 45.68 ng/ml



#20 Methoxychlor

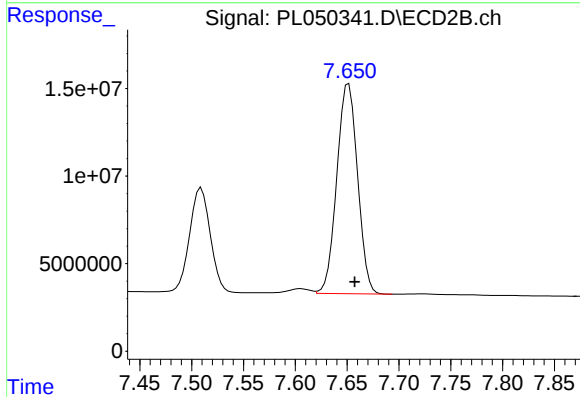
R.T.: 7.509 min  
Delta R.T.: -0.005 min  
Response: 82894808  
Conc: 49.73 ng/ml



#21 Endrin ketone

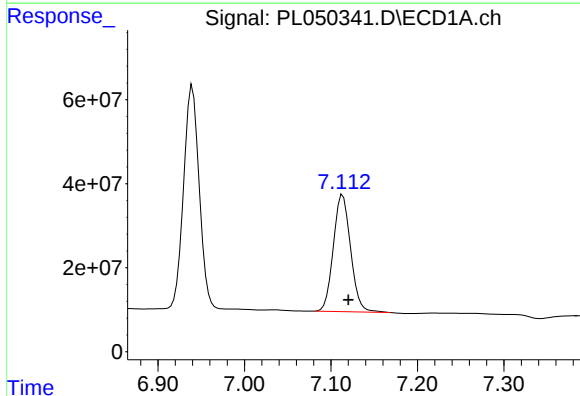
R.T.: 6.940 min  
Delta R.T.: -0.006 min  
Response: 664677872  
Conc: 47.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



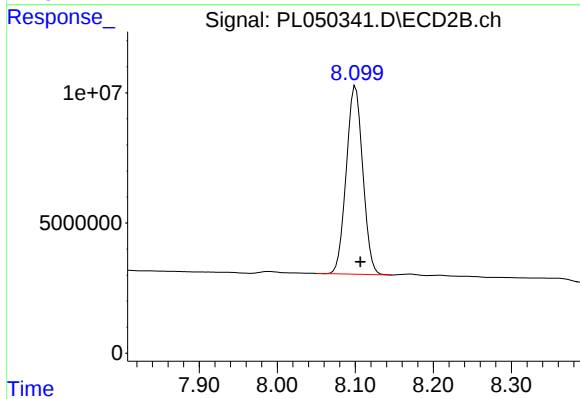
#21 Endrin ketone

R.T.: 7.651 min  
Delta R.T.: -0.006 min  
Response: 167347582  
Conc: 53.70 ng/ml



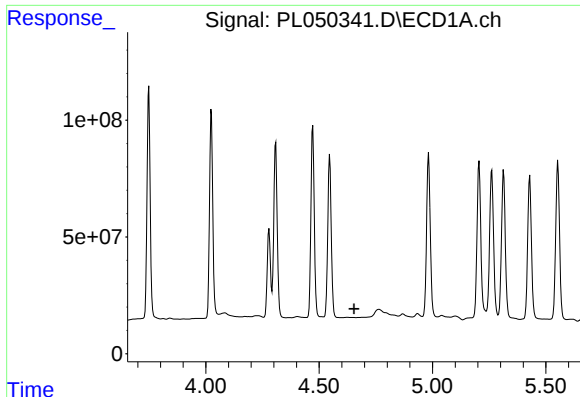
#22 Mirex

R.T.: 7.114 min  
Delta R.T.: -0.006 min  
Response: 384550308  
Conc: 37.20 ng/ml



#22 Mirex

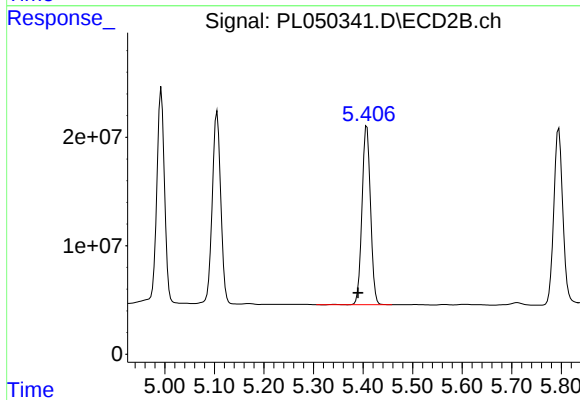
R.T.: 8.100 min  
Delta R.T.: -0.006 min  
Response: 106348693  
Conc: 42.06 ng/ml



#24 Chlordane-2

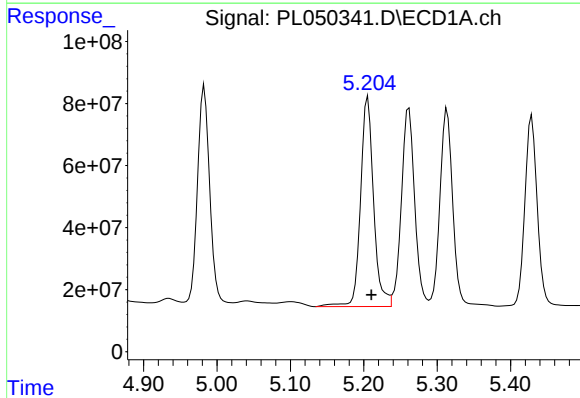
R.T.: 0.000 min  
Exp R.T.: 4.655 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



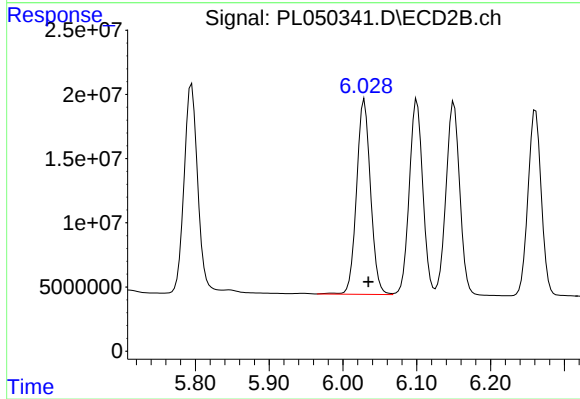
#24 Chlordane-2

R.T.: 5.408 min  
Delta R.T.: 0.018 min  
Response: 196994066  
Conc: 1268.15 ng/ml



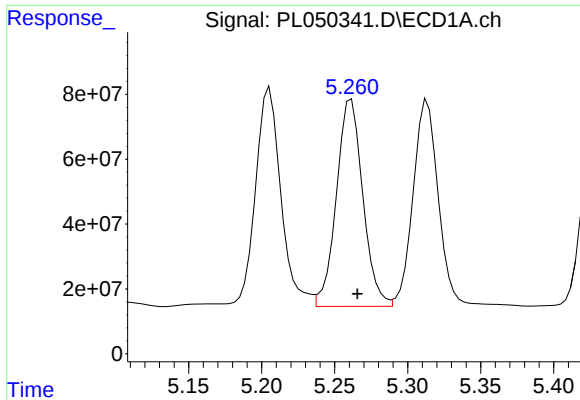
#25 Chlordane-3

R.T.: 5.205 min  
Delta R.T.: -0.005 min  
Response: 835726767  
Conc: 444.96 ng/ml



#25 Chlordane-3

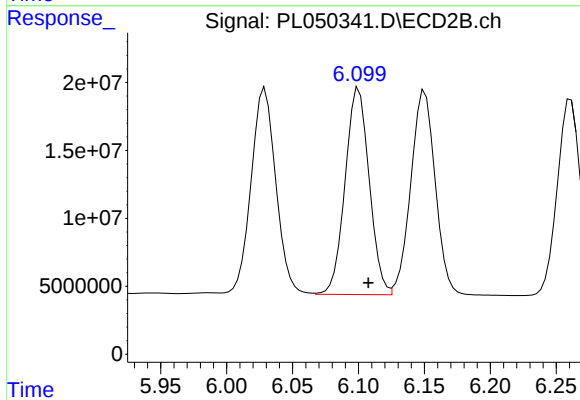
R.T.: 6.029 min  
Delta R.T.: -0.006 min  
Response: 199264294  
Conc: 400.43 ng/ml



#26 Chlordane-4

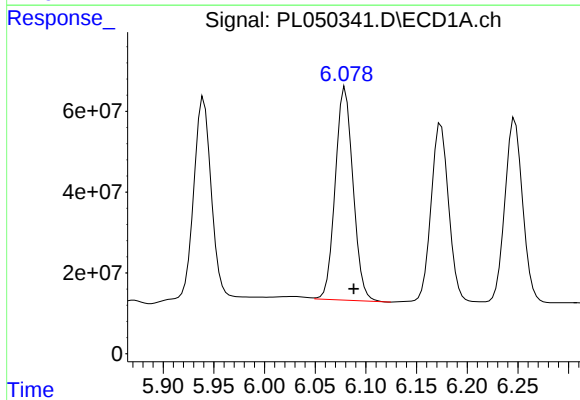
R.T.: 5.261 min  
Delta R.T.: -0.004 min  
Response: 805564598  
Conc: 461.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



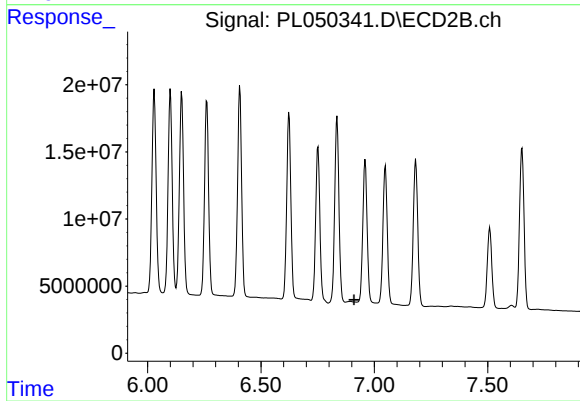
#26 Chlordane-4

R.T.: 6.100 min  
Delta R.T.: -0.007 min  
Response: 193423902  
Conc: 325.44 ng/ml



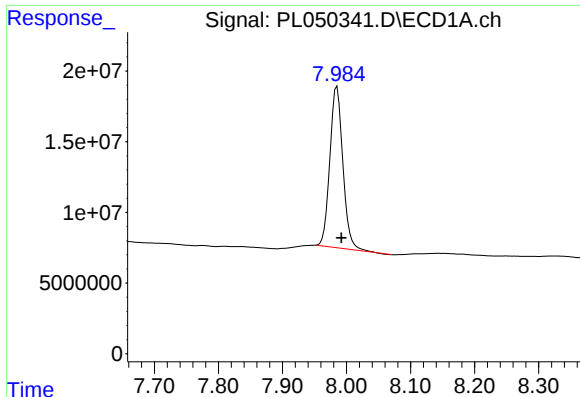
#27 Chlordane-5

R.T.: 6.080 min  
Delta R.T.: -0.009 min  
Response: 645127898  
Conc: 1149.54 ng/ml



#27 Chlordane-5

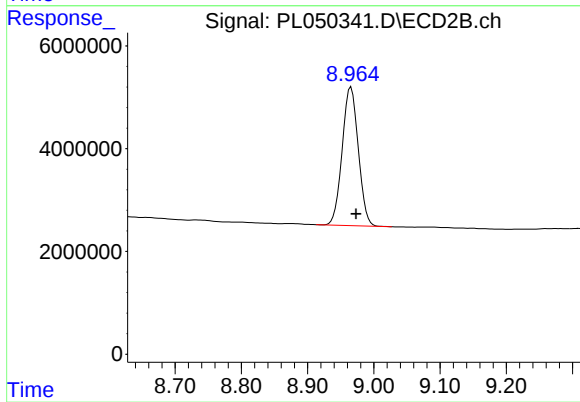
R.T.: 0.000 min  
Exp R.T.: 6.910 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.985 min  
Delta R.T.: -0.007 min  
Response: 160497662  
Conc: 12.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL-DRUMMS



#28 Decachlorobiphenyl

R.T.: 8.965 min  
Delta R.T.: -0.008 min  
Response: 45675342  
Conc: 13.61 ng/ml