

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041719\  
 Data File : PL047499.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Apr 2019 14:51  
 Operator : AJ\SJ  
 Sample : SOIL IDOC-03  
 Misc :  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SOIL IDOC-03

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 18 01:11:37 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 22 13:40:08 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... | 3.357 | 3.975  | 128.7E6 | 41062430 | 17.698   | 17.934     |
| 28)                         | SA Decachlor... | 8.033 | 9.028  | 168.4E6 | 47844733 | 20.019   | 20.636     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.786 | 4.365  | 638.3E6 | 170.4E6  | 54.736   | 53.022     |
| 3)                          | MA gamma-BHC... | 4.063 | 4.649  | 581.4E6 | 158.5E6  | 54.116   | 52.969     |
| 4)                          | MA Heptachlor   | 4.350 | 5.155  | 611.2E6 | 161.8E6  | 55.441   | 52.612     |
| 5)                          | MB Aldrin       | 4.590 | 5.459  | 589.5E6 | 156.4E6  | 57.147   | 54.606     |
| 6)                          | B beta-BHC      | 4.317 | 4.823  | 239.3E6 | 70079958 | 53.156   | 52.863     |
| 7)                          | B delta-BHC     | 4.512 | 5.038  | 548.0E6 | 125.5E6  | 54.134   | 54.108     |
| 8)                          | B Heptachlor... | 5.027 | 5.846  | 540.8E6 | 135.3E6  | 55.450   | 51.315     |
| 9)                          | A Endosulfan I  | 5.359 | 6.202  | 514.4E6 | 137.1E6  | 54.710   | 52.520     |
| 10)                         | B gamma-Chl...  | 5.250 | 6.080  | 557.7E6 | 149.3E6  | 54.288   | 52.621     |
| 11)                         | B alpha-Chl...  | 5.306 | 6.152  | 546.7E6 | 148.3E6  | 53.925   | 52.267     |
| 12)                         | B 4,4'-DDE      | 5.473 | 6.310  | 512.2E6 | 133.3E6  | 55.636   | 53.679     |
| 13)                         | MA Dieldrin     | 5.598 | 6.458  | 552.8E6 | 142.2E6  | 55.084   | 52.467     |
| 14)                         | MA Endrin       | 5.852 | 6.676  | 473.8E6 | 117.8E6  | 50.301   | 49.282     |
| 15)                         | B Endosulfa...  | 6.126 | 6.886  | 475.6E6 | 125.0E6  | 53.086   | 51.819     |
| 16)                         | A 4,4'-DDD      | 5.985 | 6.801  | 421.7E6 | 108.2E6  | 55.787   | 53.755     |
| 17)                         | MA 4,4'-DDT     | 6.219 | 7.098  | 406.9E6 | 107.0E6  | 53.717   | 51.050     |
| 18)                         | B Endrin al...  | 6.293 | 7.010  | 405.9E6 | 110.6E6  | 54.151   | 52.093     |
| 19)                         | B Endosulfa...  | 6.504 | 7.234  | 461.4E6 | 124.9E6  | 56.194   | 52.942     |
| 20)                         | A Methoxychlor  | 6.764 | 7.557  | 217.3E6 | 63288460 | 51.127   | 49.647     |
| 21)                         | B Endrin ke...  | 6.987 | 7.702  | 527.0E6 | 135.6E6  | 56.998   | 54.570     |
| 22)                         | Mirex           | 7.163 | 8.154  | 378.0E6 | 103.7E6  | 51.884   | 51.844     |
| 24)                         | Chlordane-2     | 0.000 | 5.459f | 0       | 156.4E6  | N.D.     | 1339.306 # |
| 25)                         | Chlordane-3     | 5.250 | 6.080  | 557.7E6 | 149.3E6  | 500.755  | 391.697    |
| 26)                         | Chlordane-4     | 5.306 | 6.152  | 546.7E6 | 148.3E6  | 528.736  | 321.318 #  |
| 27)                         | Chlordane-5     | 6.126 | 0.000  | 475.6E6 | 0        | 1393.728 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

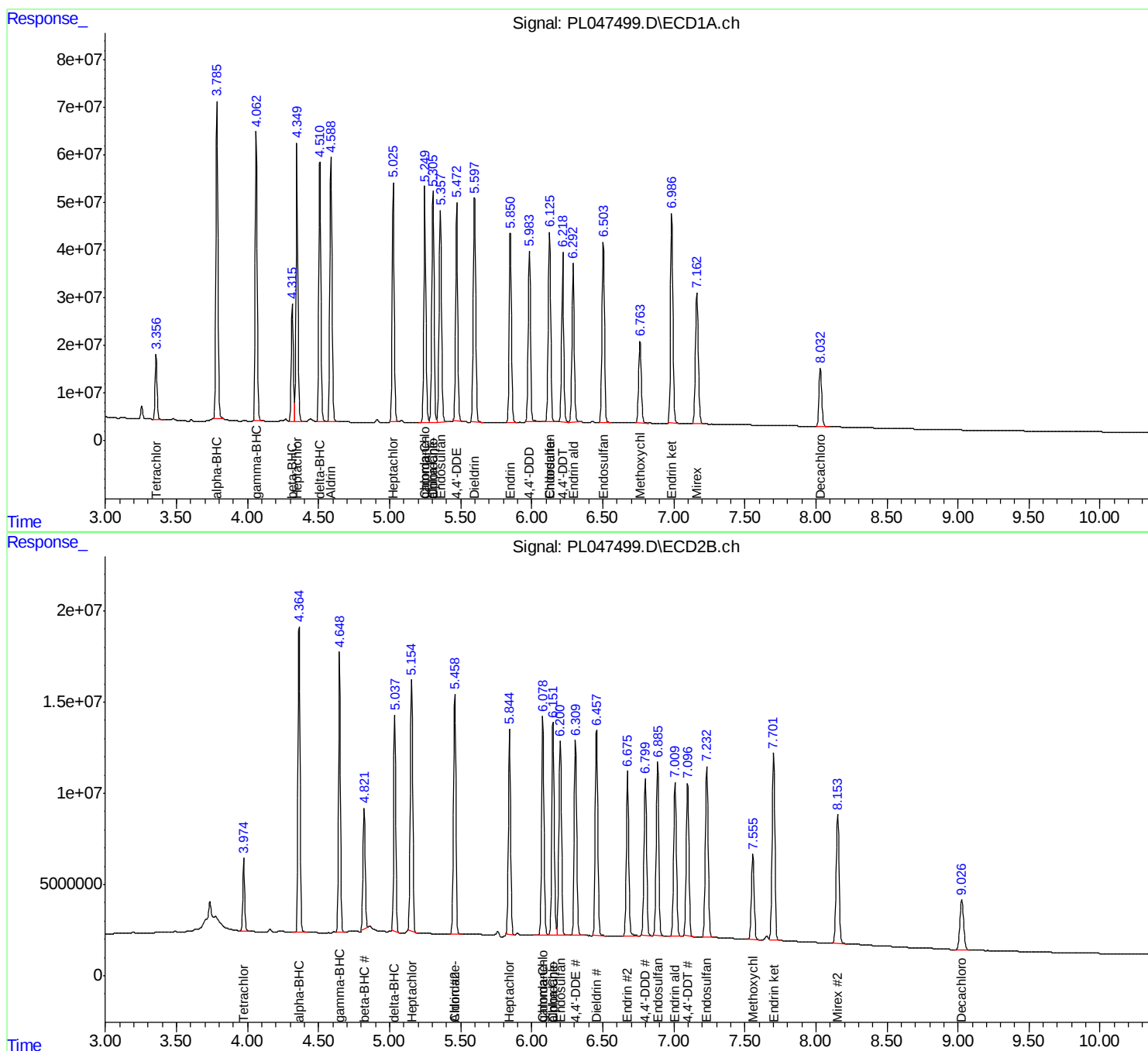
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

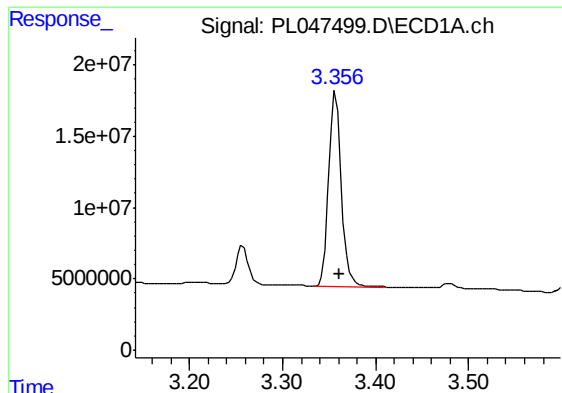
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL041719\  
Data File : PL047499.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 17 Apr 2019 14:51  
Operator : AJ\SJ  
Sample : SOIL IDOC-03  
Misc :  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 18 01:11:37 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 22 13:40:08 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

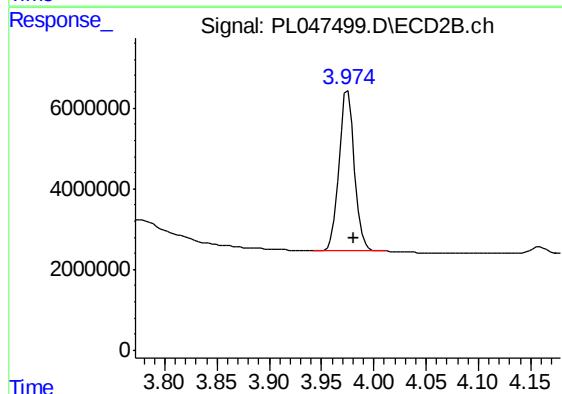




#1 Tetrachloro-m-xylene

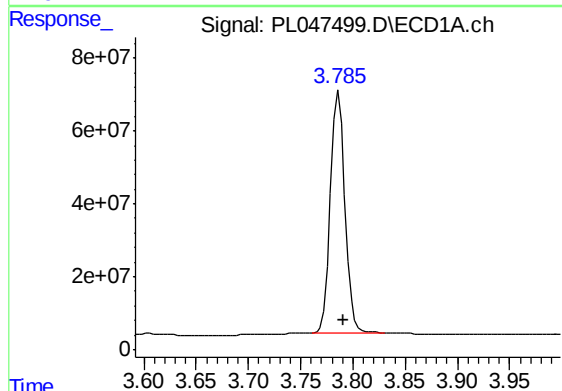
R.T.: 3.357 min  
Delta R.T.: -0.004 min  
Response: 128746155  
Conc: 17.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



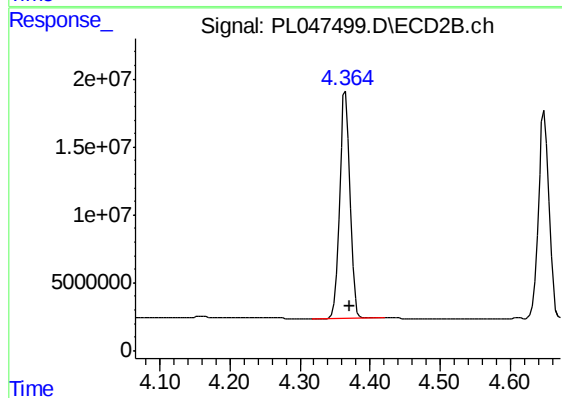
#1 Tetrachloro-m-xylene

R.T.: 3.975 min  
Delta R.T.: -0.006 min  
Response: 41062430  
Conc: 17.93 ng/ml



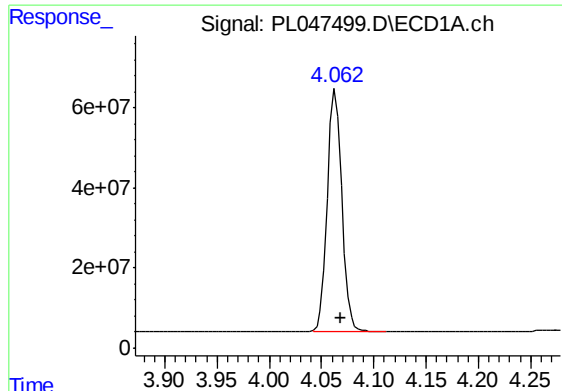
#2 alpha-BHC

R.T.: 3.786 min  
Delta R.T.: -0.004 min  
Response: 638333080  
Conc: 54.74 ng/ml



#2 alpha-BHC

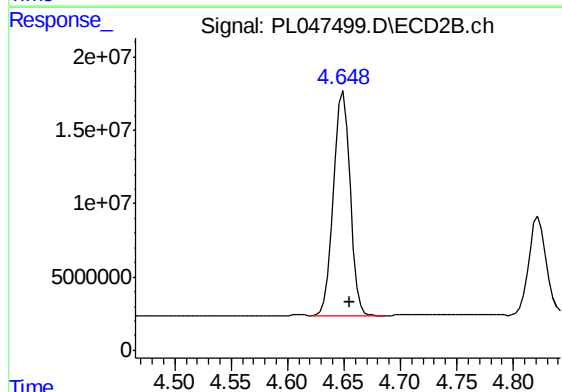
R.T.: 4.365 min  
Delta R.T.: -0.006 min  
Response: 170373894  
Conc: 53.02 ng/ml



#3 gamma-BHC (Lindane)

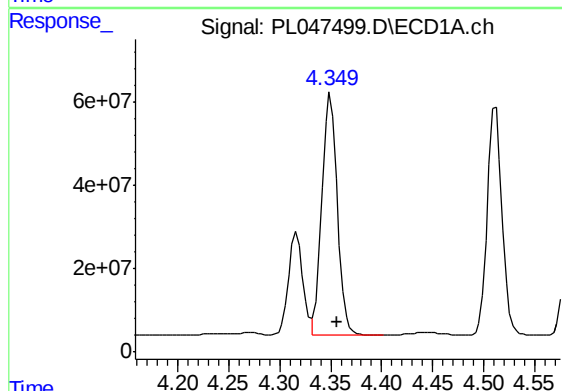
R.T.: 4.063 min  
Delta R.T.: -0.005 min  
Response: 581448954  
Conc: 54.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



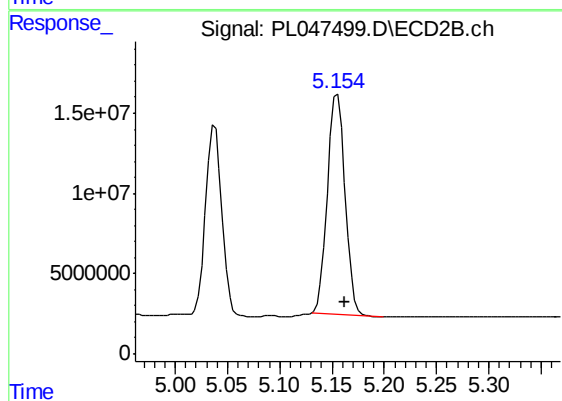
#3 gamma-BHC (Lindane)

R.T.: 4.649 min  
Delta R.T.: -0.006 min  
Response: 158535911  
Conc: 52.97 ng/ml



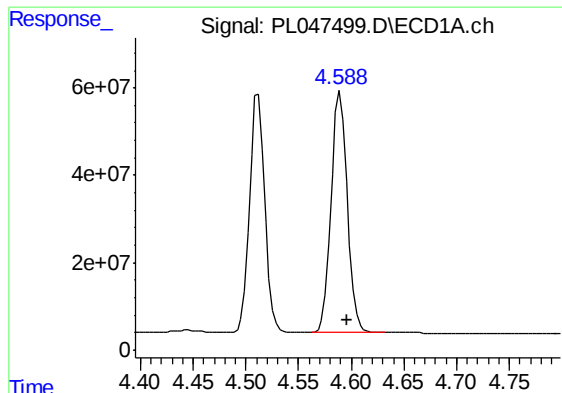
#4 Heptachlor

R.T.: 4.350 min  
Delta R.T.: -0.006 min  
Response: 611249190  
Conc: 55.44 ng/ml



#4 Heptachlor

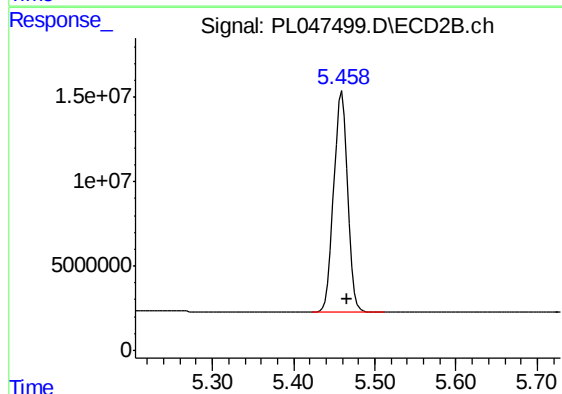
R.T.: 5.155 min  
Delta R.T.: -0.007 min  
Response: 161828840  
Conc: 52.61 ng/ml



#5 Aldrin

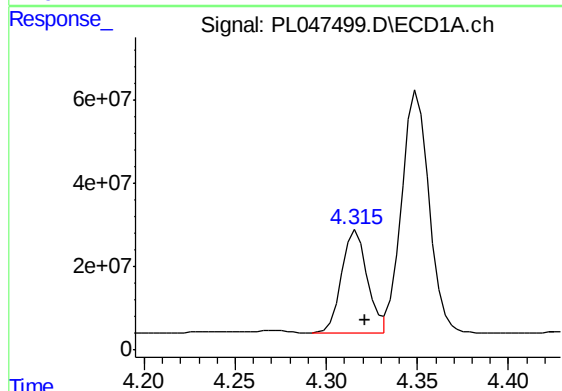
R.T.: 4.590 min  
Delta R.T.: -0.006 min  
Response: 589465572  
Conc: 57.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



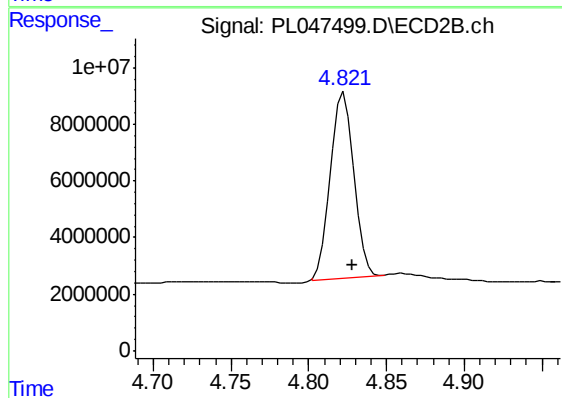
#5 Aldrin

R.T.: 5.459 min  
Delta R.T.: -0.007 min  
Response: 156443347  
Conc: 54.61 ng/ml



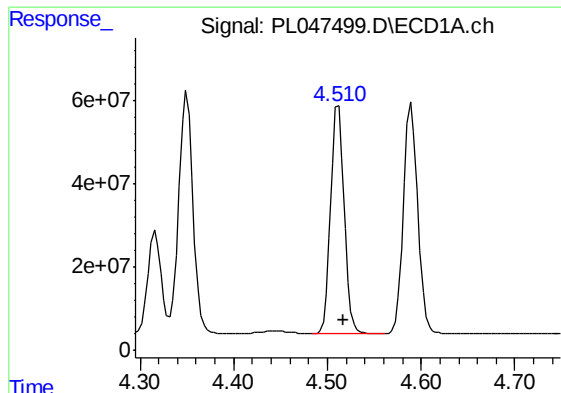
#6 beta-BHC

R.T.: 4.317 min  
Delta R.T.: -0.004 min  
Response: 239332856  
Conc: 53.16 ng/ml



#6 beta-BHC

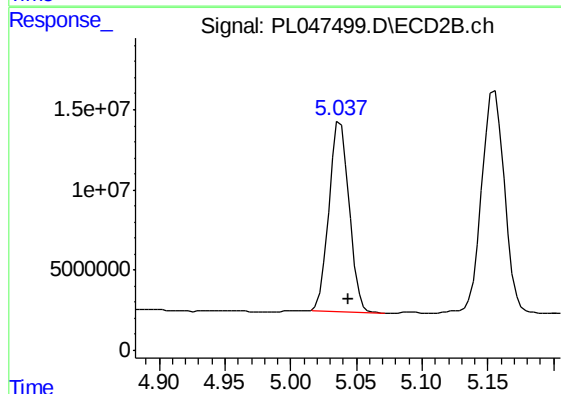
R.T.: 4.823 min  
Delta R.T.: -0.005 min  
Response: 70079958  
Conc: 52.86 ng/ml



#7 delta-BHC

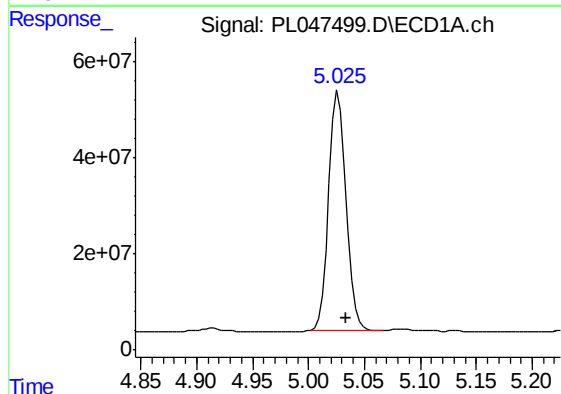
R.T.: 4.512 min  
Delta R.T.: -0.005 min  
Response: 547997441  
Conc: 54.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



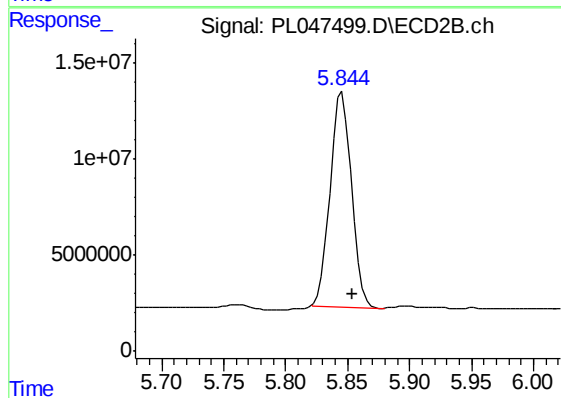
#7 delta-BHC

R.T.: 5.038 min  
Delta R.T.: -0.006 min  
Response: 125539510  
Conc: 54.11 ng/ml



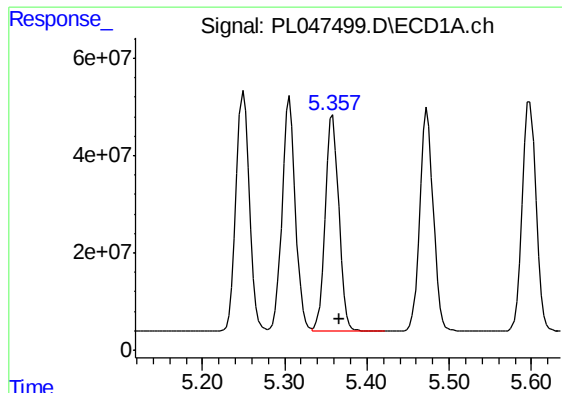
#8 Heptachlor epoxide

R.T.: 5.027 min  
Delta R.T.: -0.007 min  
Response: 540830237  
Conc: 55.45 ng/ml



#8 Heptachlor epoxide

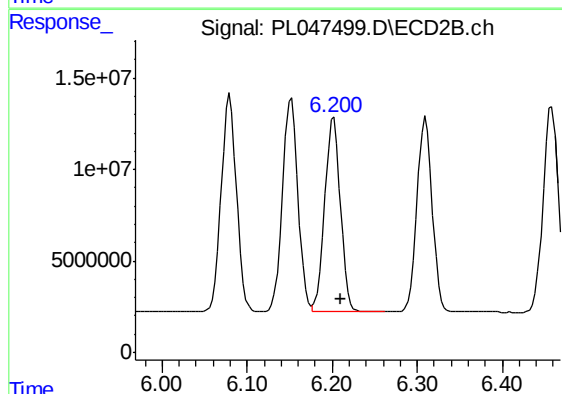
R.T.: 5.846 min  
Delta R.T.: -0.008 min  
Response: 135328131  
Conc: 51.32 ng/ml



#9 Endosulfan I

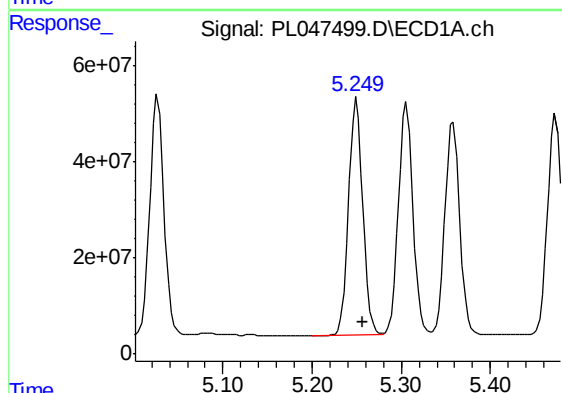
R.T.: 5.359 min  
Delta R.T.: -0.008 min  
Response: 514397852  
Conc: 54.71 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



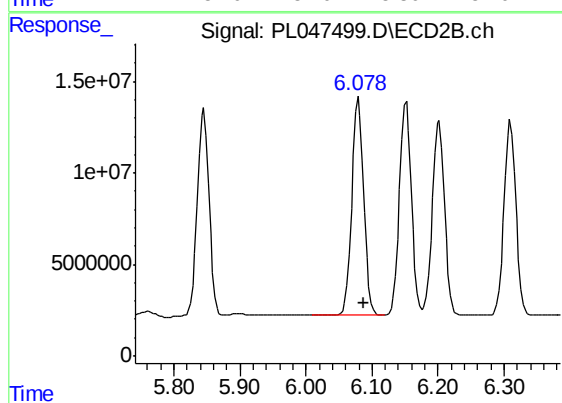
#9 Endosulfan I

R.T.: 6.202 min  
Delta R.T.: -0.008 min  
Response: 137070890  
Conc: 52.52 ng/ml



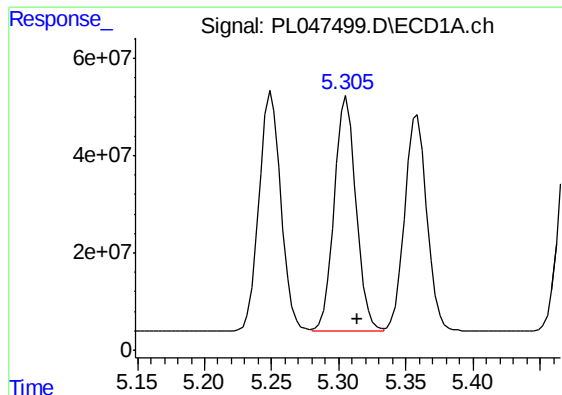
#10 gamma-Chlordane

R.T.: 5.250 min  
Delta R.T.: -0.007 min  
Response: 557677784  
Conc: 54.29 ng/ml



#10 gamma-Chlordane

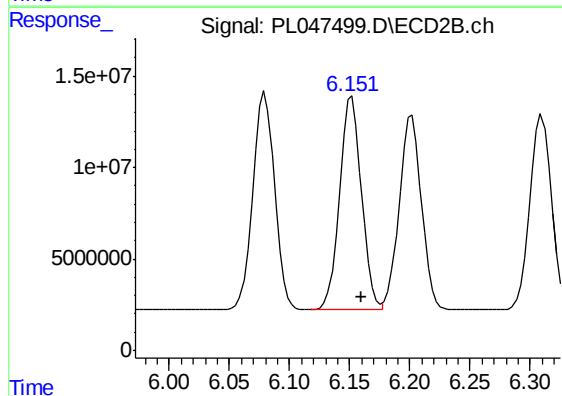
R.T.: 6.080 min  
Delta R.T.: -0.008 min  
Response: 149341578  
Conc: 52.62 ng/ml



#11 alpha-Chlordane

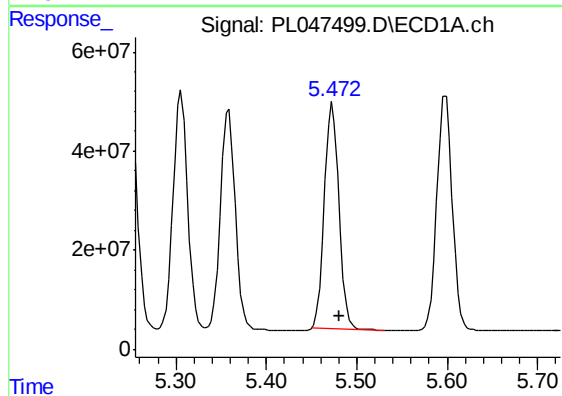
R.T.: 5.306 min  
Delta R.T.: -0.008 min  
Response: 546744585  
Conc: 53.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



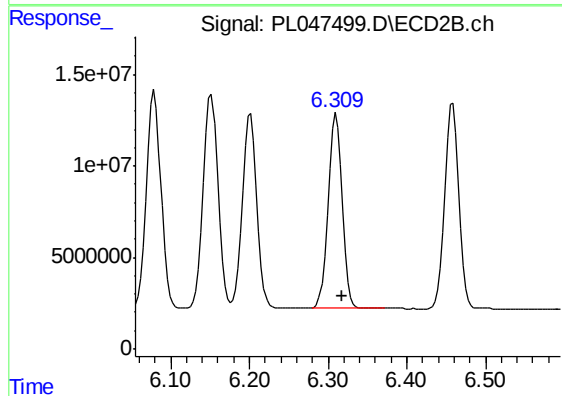
#11 alpha-Chlordane

R.T.: 6.152 min  
Delta R.T.: -0.008 min  
Response: 148264232  
Conc: 52.27 ng/ml



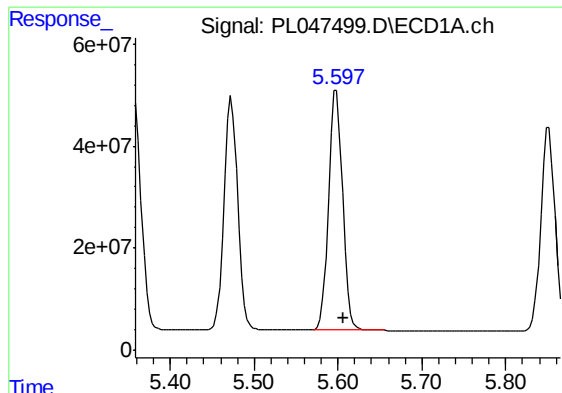
#12 4,4'-DDE

R.T.: 5.473 min  
Delta R.T.: -0.007 min  
Response: 512239786  
Conc: 55.64 ng/ml



#12 4,4'-DDE

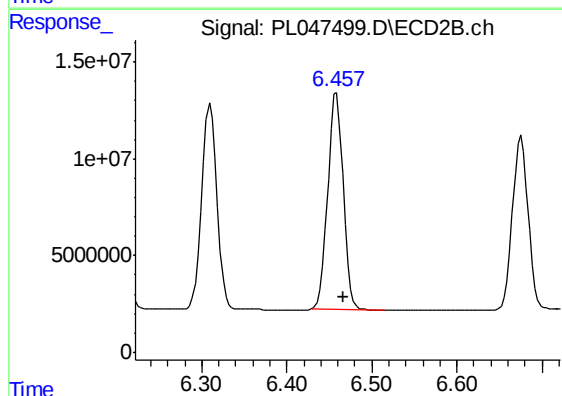
R.T.: 6.310 min  
Delta R.T.: -0.008 min  
Response: 133250098  
Conc: 53.68 ng/ml



#13 Dielldrin

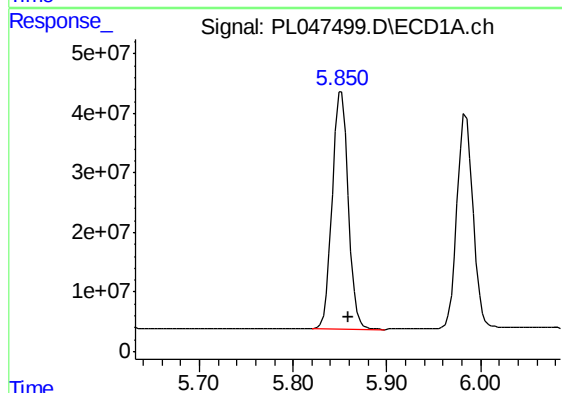
R.T.: 5.598 min  
Delta R.T.: -0.008 min  
Response: 552796044  
Conc: 55.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



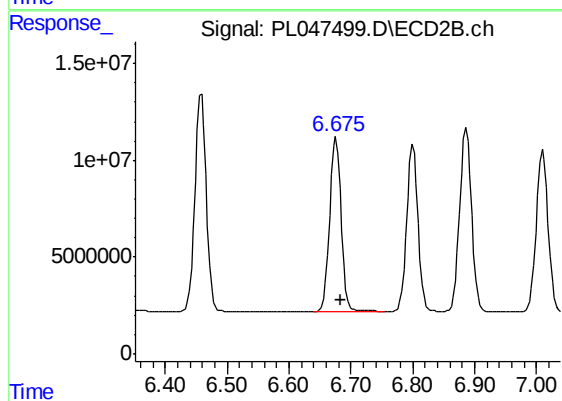
#13 Dielldrin

R.T.: 6.458 min  
Delta R.T.: -0.008 min  
Response: 142220665  
Conc: 52.47 ng/ml



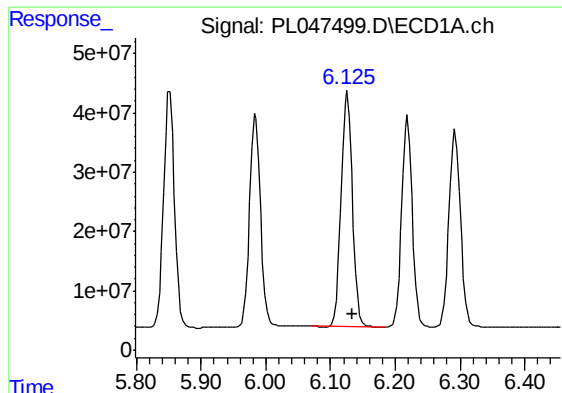
#14 Endrin

R.T.: 5.852 min  
Delta R.T.: -0.008 min  
Response: 473800361  
Conc: 50.30 ng/ml



#14 Endrin

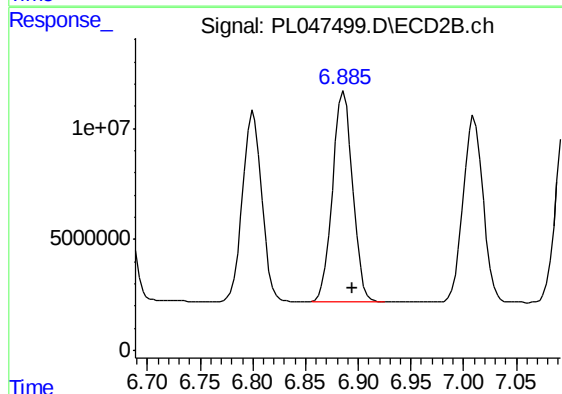
R.T.: 6.676 min  
Delta R.T.: -0.008 min  
Response: 117773435  
Conc: 49.28 ng/ml



#15 Endosulfan II

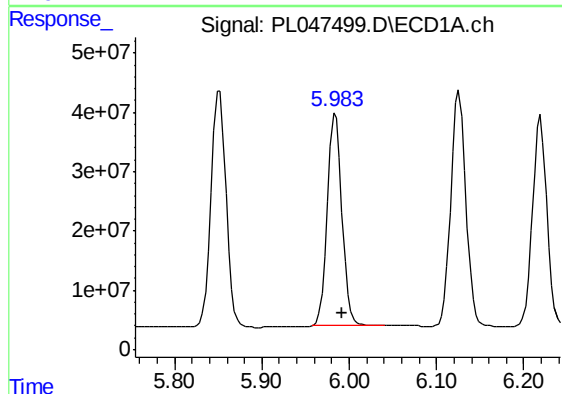
R.T.: 6.126 min  
Delta R.T.: -0.008 min  
Response: 475633580  
Conc: 53.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



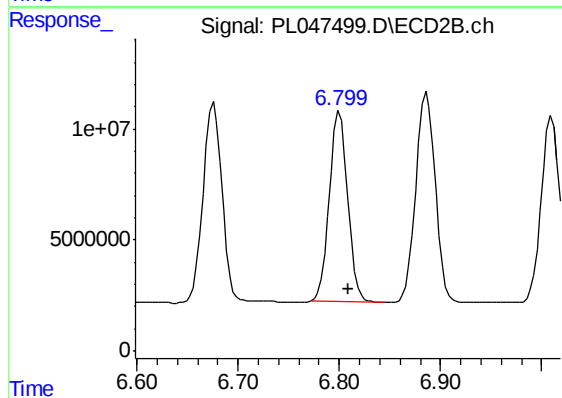
#15 Endosulfan II

R.T.: 6.886 min  
Delta R.T.: -0.008 min  
Response: 125033186  
Conc: 51.82 ng/ml



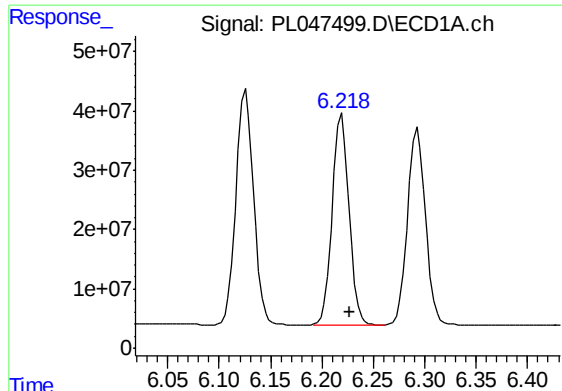
#16 4,4'-DDD

R.T.: 5.985 min  
Delta R.T.: -0.008 min  
Response: 421694016  
Conc: 55.79 ng/ml



#16 4,4'-DDD

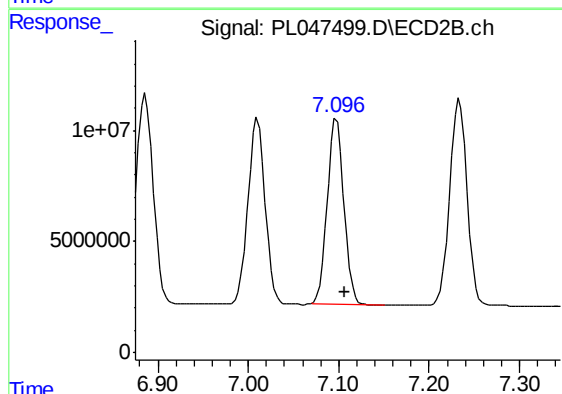
R.T.: 6.801 min  
Delta R.T.: -0.008 min  
Response: 108156526  
Conc: 53.75 ng/ml



#17 4,4'-DDT

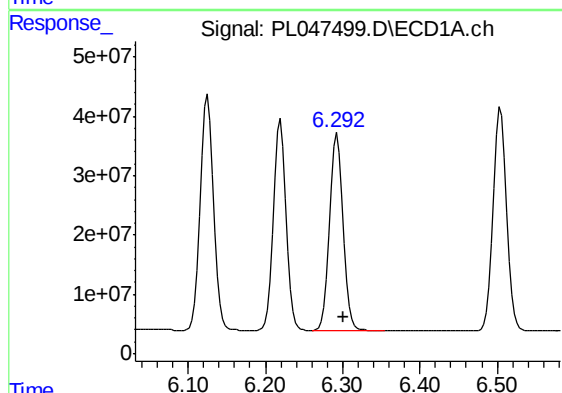
R.T.: 6.219 min  
Delta R.T.: -0.008 min  
Response: 406872718  
Conc: 53.72 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



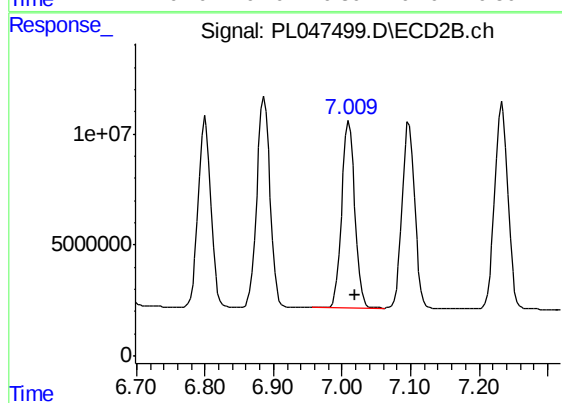
#17 4,4'-DDT

R.T.: 7.098 min  
Delta R.T.: -0.009 min  
Response: 107049505  
Conc: 51.05 ng/ml



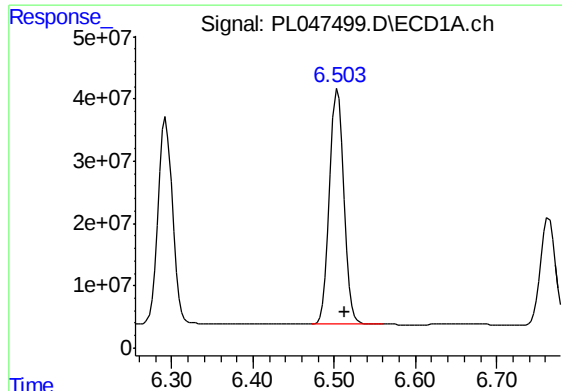
#18 Endrin aldehyde

R.T.: 6.293 min  
Delta R.T.: -0.009 min  
Response: 405872888  
Conc: 54.15 ng/ml



#18 Endrin aldehyde

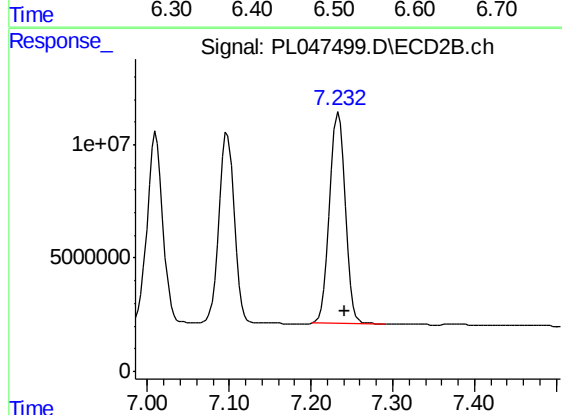
R.T.: 7.010 min  
Delta R.T.: -0.009 min  
Response: 110644998  
Conc: 52.09 ng/ml



#19 Endosulfan Sulfate

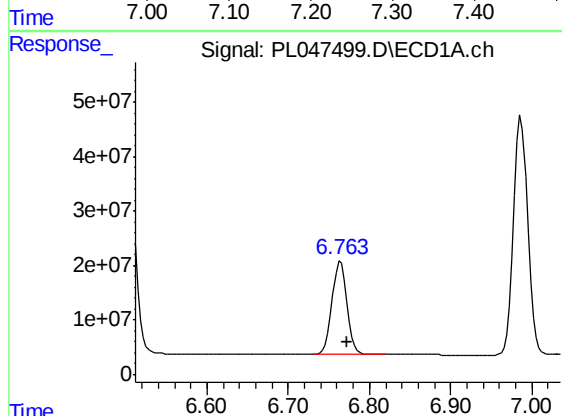
R.T.: 6.504 min  
Delta R.T.: -0.009 min  
Response: 461420844  
Conc: 56.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



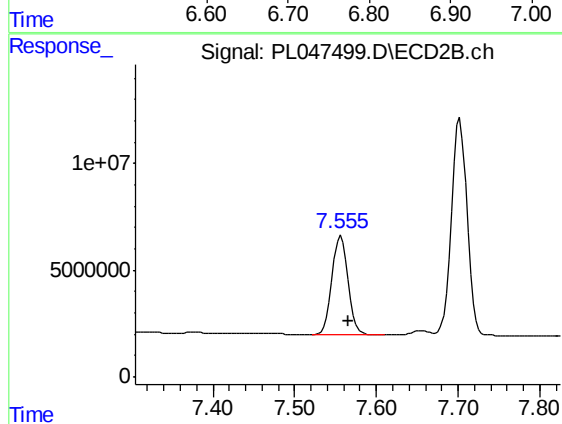
#19 Endosulfan Sulfate

R.T.: 7.234 min  
Delta R.T.: -0.008 min  
Response: 124890370  
Conc: 52.94 ng/ml



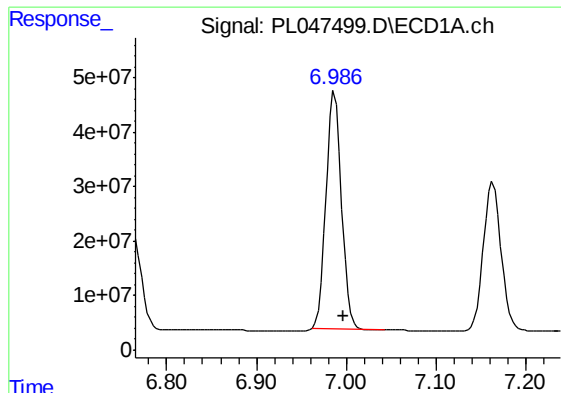
#20 Methoxychlor

R.T.: 6.764 min  
Delta R.T.: -0.009 min  
Response: 217283555  
Conc: 51.13 ng/ml



#20 Methoxychlor

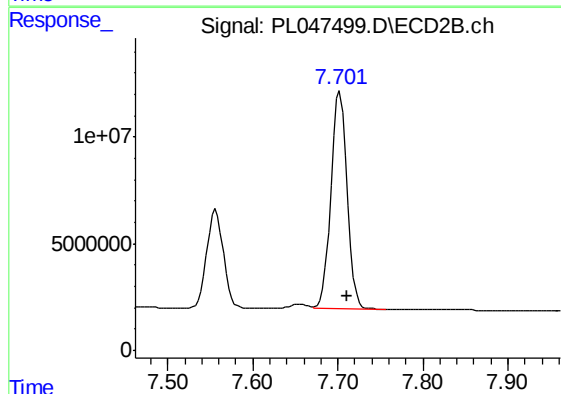
R.T.: 7.557 min  
Delta R.T.: -0.009 min  
Response: 63288460  
Conc: 49.65 ng/ml



#21 Endrin ketone

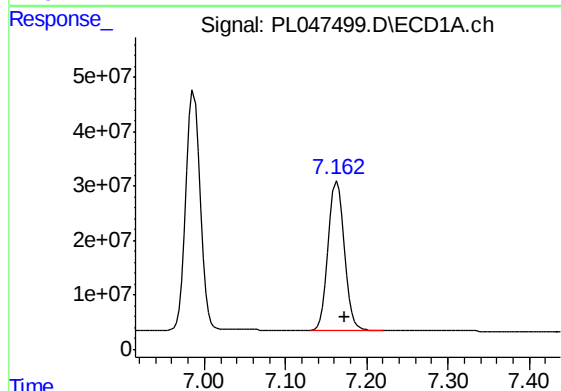
R.T.: 6.987 min  
Delta R.T.: -0.009 min  
Response: 527046366  
Conc: 57.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



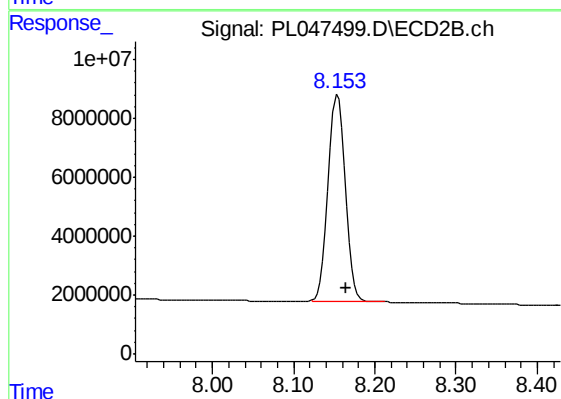
#21 Endrin ketone

R.T.: 7.702 min  
Delta R.T.: -0.009 min  
Response: 135580747  
Conc: 54.57 ng/ml



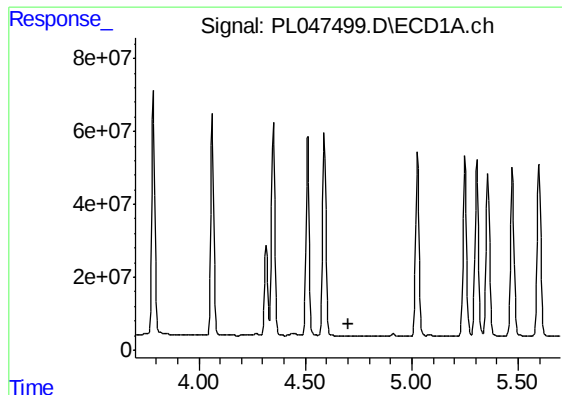
#22 Mirex

R.T.: 7.163 min  
Delta R.T.: -0.010 min  
Response: 377999134  
Conc: 51.88 ng/ml



#22 Mirex

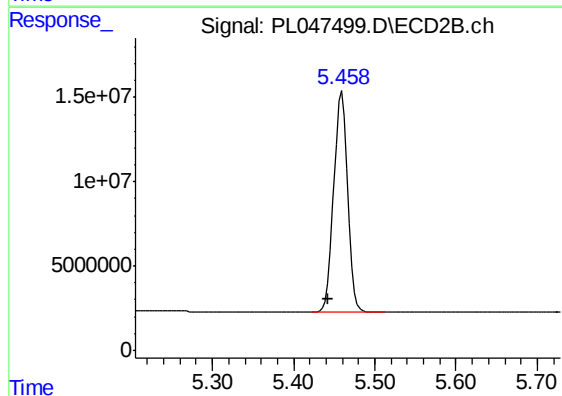
R.T.: 8.154 min  
Delta R.T.: -0.011 min  
Response: 103695984  
Conc: 51.84 ng/ml



#24 Chlordane-2

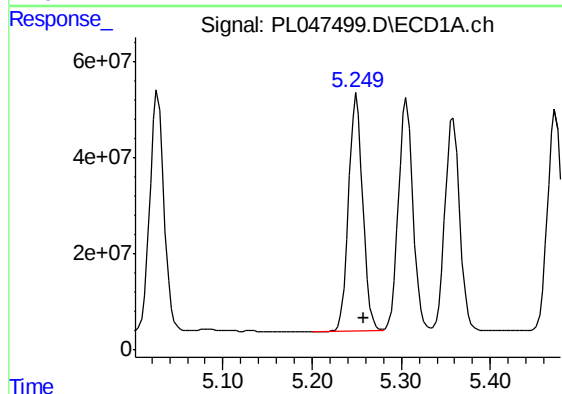
R.T.: 0.000 min  
Exp R.T.: 4.701 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



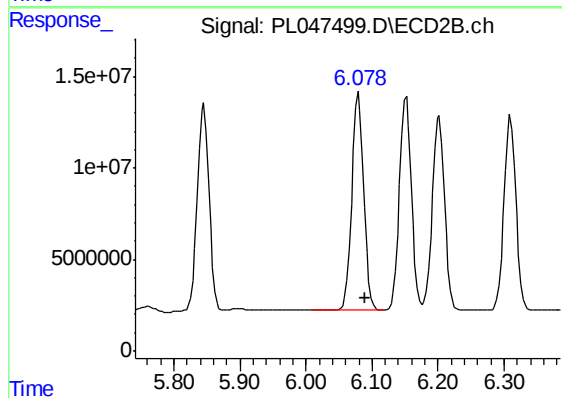
#24 Chlordane-2

R.T.: 5.459 min  
Delta R.T.: 0.016 min  
Response: 156443347  
Conc: 1339.31 ng/ml



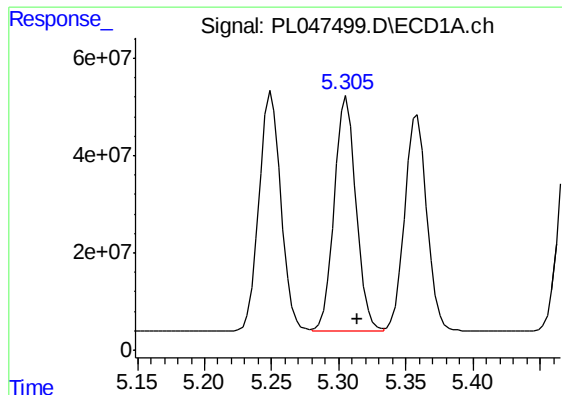
#25 Chlordane-3

R.T.: 5.250 min  
Delta R.T.: -0.008 min  
Response: 557677784  
Conc: 500.76 ng/ml



#25 Chlordane-3

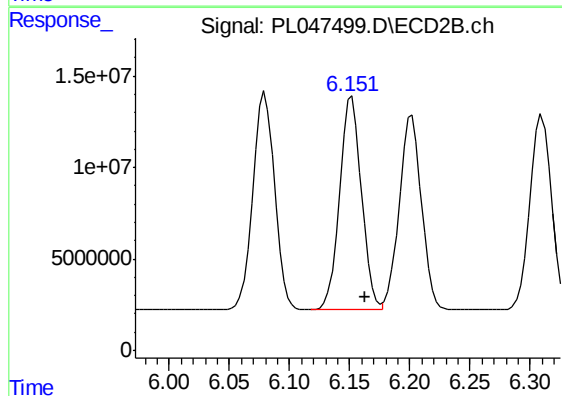
R.T.: 6.080 min  
Delta R.T.: -0.009 min  
Response: 149341578  
Conc: 391.70 ng/ml



#26 Chlordane-4

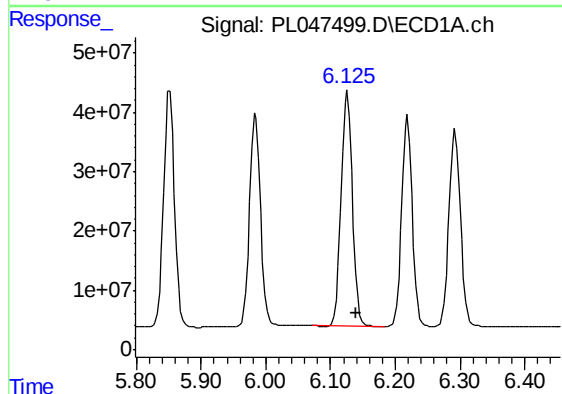
R.T.: 5.306 min  
Delta R.T.: -0.008 min  
Response: 546744585  
Conc: 528.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



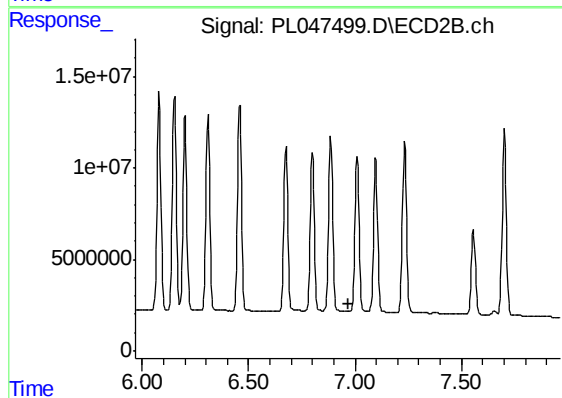
#26 Chlordane-4

R.T.: 6.152 min  
Delta R.T.: -0.011 min  
Response: 148264232  
Conc: 321.32 ng/ml



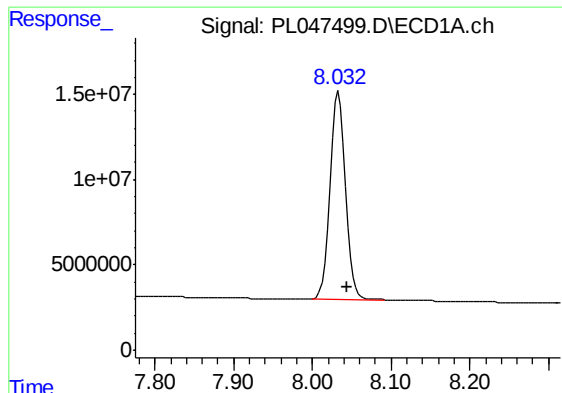
#27 Chlordane-5

R.T.: 6.126 min  
Delta R.T.: -0.013 min  
Response: 475633580  
Conc: 1393.73 ng/ml



#27 Chlordane-5

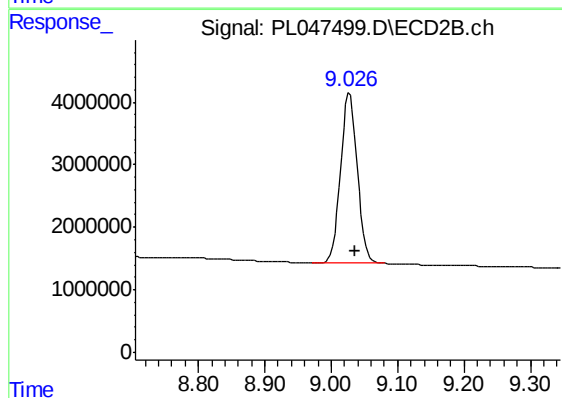
R.T.: 0.000 min  
Exp R.T. : 6.967 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.033 min  
Delta R.T.: -0.011 min  
Response: 168383689  
Conc: 20.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SOIL IDOC-03



#28 Decachlorobiphenyl

R.T.: 9.028 min  
Delta R.T.: -0.007 min  
Response: 47844733  
Conc: 20.64 ng/ml