

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042919\  
 Data File : PL047962.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 29 Apr 2019 12:45  
 Operator : AJ\SJ  
 Sample : K2571-01MSD  
 Misc :  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 114-PENNINGTONMSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 30 01:25:17 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042419.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 25 01:53:03 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... | 3.329 | 3.940 | 129.4E6 | 43174244 | 13.990  | 18.085 #  |
| 28)                         | SA Decachlor... | 7.997 | 8.976 | 192.7E6 | 52225608 | 17.210  | 18.295    |
| Target Compounds            |                 |       |       |         |          |         |           |
| 2)                          | A alpha-BHC     | 3.757 | 4.328 | 554.3E6 | 145.0E6  | 37.919  | 43.691    |
| 3)                          | MA gamma-BHC... | 4.033 | 4.612 | 494.7E6 | 136.0E6  | 37.324  | 43.346    |
| 4)                          | MA Heptachlor   | 4.318 | 5.115 | 539.4E6 | 146.4E6  | 37.856  | 43.561    |
| 5)                          | MB Aldrin       | 4.555 | 5.418 | 721.0E6 | 148.2E6  | 51.774  | 47.471    |
| 6)                          | B beta-BHC      | 4.286 | 4.786 | 202.2E6 | 55887522 | 35.786  | 38.788    |
| 7)                          | B delta-BHC     | 4.480 | 5.000 | 411.5E6 | 113.3E6  | 31.676  | 45.105 #  |
| 8)                          | B Heptachlor... | 4.993 | 5.805 | 481.2E6 | 135.0E6  | 37.553  | 48.294 #  |
| 9)                          | A Endosulfan I  | 5.324 | 6.160 | 494.8E6 | 112.6E6  | 40.914  | 40.095    |
| 10)                         | B gamma-Chl...  | 5.216 | 6.038 | 533.1E6 | 127.4E6  | 40.041  | 42.100    |
| 11)                         | B alpha-Chl...  | 5.272 | 6.111 | 519.6E6 | 123.2E6  | 39.818  | 40.728    |
| 12)                         | B 4,4'-DDE      | 5.440 | 6.270 | 471.1E6 | 111.6E6  | 37.873  | 40.406    |
| 13)                         | MA Dieldrin     | 5.563 | 6.417 | 495.6E6 | 120.1E6  | 38.178  | 41.093    |
| 14)                         | MA Endrin       | 5.816 | 6.633 | 443.4E6 | 107.1E6  | 37.314  | 41.919    |
| 15)                         | B Endosulfa...  | 6.090 | 6.844 | 422.0E6 | 110.7E6  | 37.688  | 42.198    |
| 16)                         | A 4,4'-DDD      | 5.950 | 6.760 | 357.7E6 | 97397137 | 36.373  | 43.382    |
| 17)                         | MA 4,4'-DDT     | 6.184 | 7.057 | 388.4E6 | 106.1E6  | 38.955  | 44.545    |
| 18)                         | B Endrin al...  | 6.257 | 6.968 | 342.5E6 | 94788389 | 36.295  | 41.028    |
| 19)                         | B Endosulfa...  | 6.469 | 7.191 | 426.4E6 | 113.5E6  | 38.253  | 41.447    |
| 20)                         | A Methoxychlor  | 6.731 | 7.517 | 228.5E6 | 64452674 | 42.962  | 45.967    |
| 21)                         | B Endrin ke...  | 6.950 | 7.659 | 511.0E6 | 133.1E6  | 43.090  | 47.324    |
| 22)                         | Mirex           | 7.125 | 8.109 | 386.5E6 | 108.5E6  | 41.173  | 46.623    |
| 23)                         | Chlordane-1     | 4.175 | 5.000 | 2245034 | 113.3E6  | 5.193   | 442.290 # |
| 24)                         | Chlordane-2     | 4.664 | 5.418 | 3383884 | 148.2E6  | 7.116   | 476.116 # |
| 25)                         | Chlordane-3     | 5.272 | 6.111 | 519.6E6 | 123.2E6  | 394.103 | 415.964   |
| 26)                         | Chlordane-4     | 5.324 | 6.160 | 494.8E6 | 112.6E6  | 402.674 | 408.820   |
| 27)                         | Chlordane-5     | 6.090 | 6.968 | 422.0E6 | 94788389 | 995.280 | 420.616 # |
| -----                       |                 |       |       |         |          |         |           |

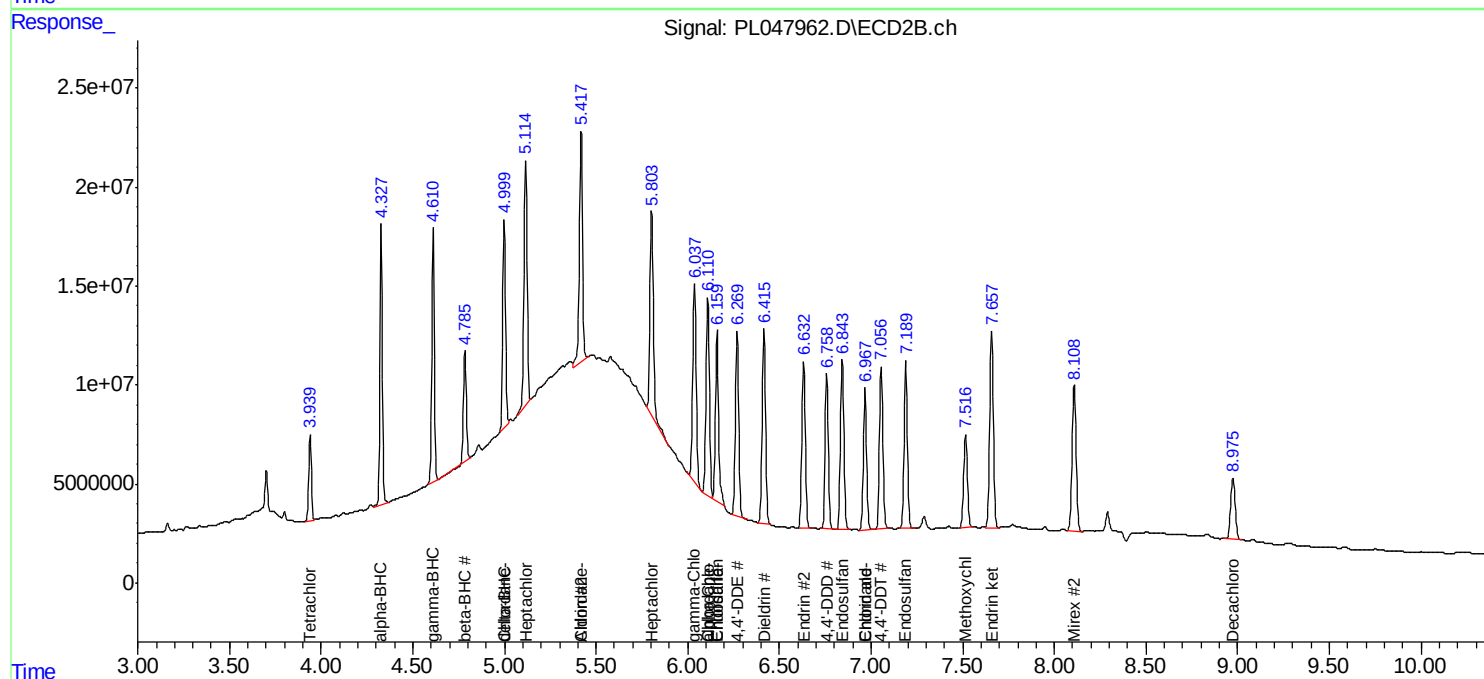
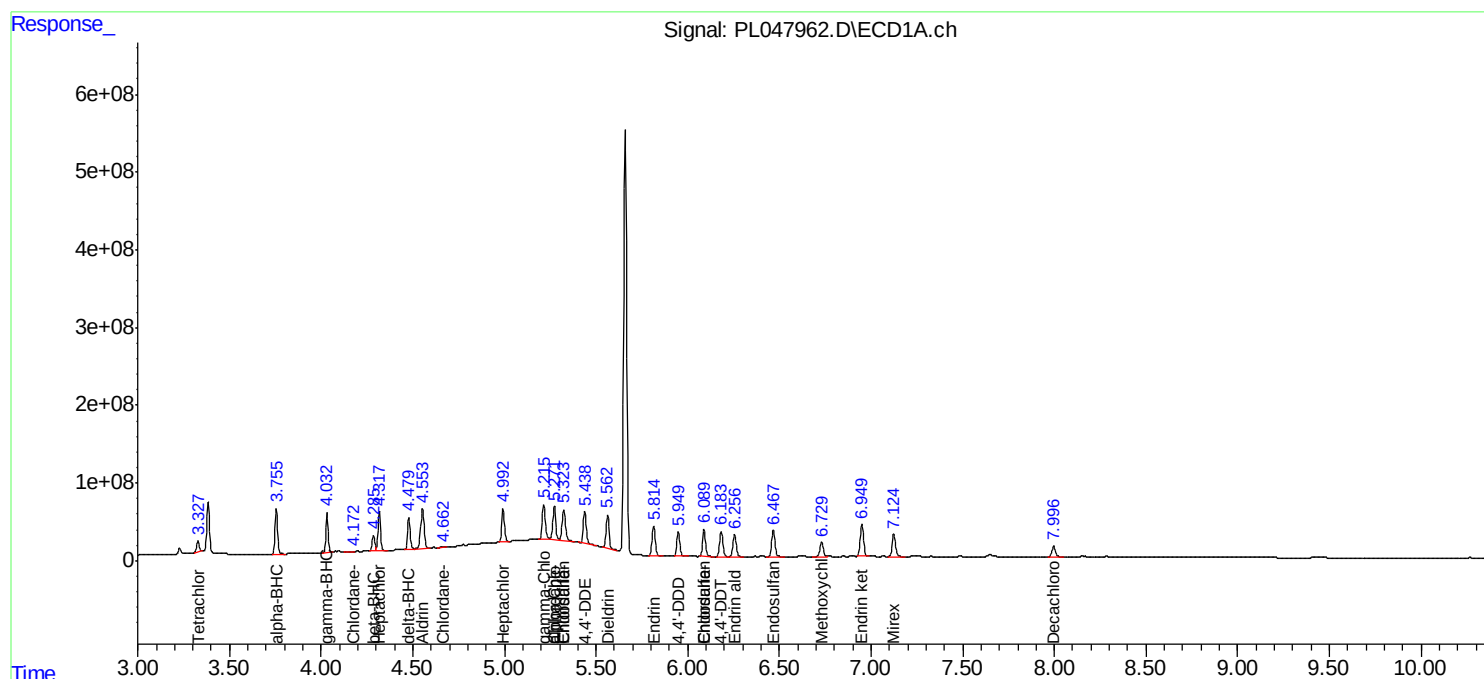
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

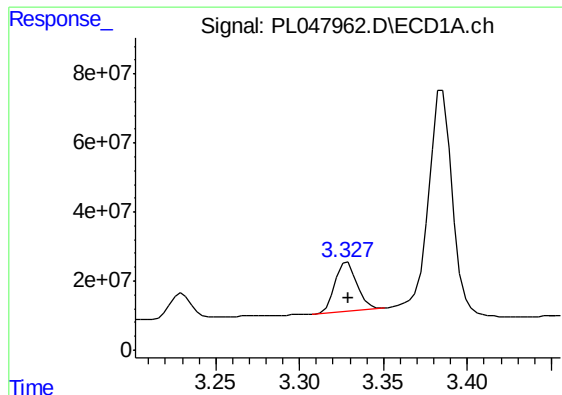
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042919\  
Data File : PL047962.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 29 Apr 2019 12:45  
Operator : AJ\SJ  
Sample : K2571-01MSD  
Misc :  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 30 01:25:17 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042419.M  
Quant Title : GC Extractables  
QLast Update : Thu Apr 25 01:53:03 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

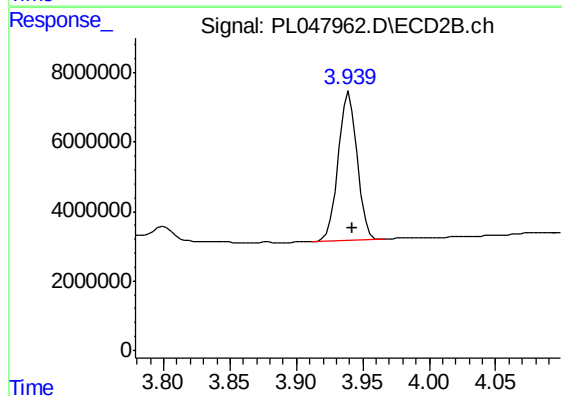




#1 Tetrachloro-m-xylene

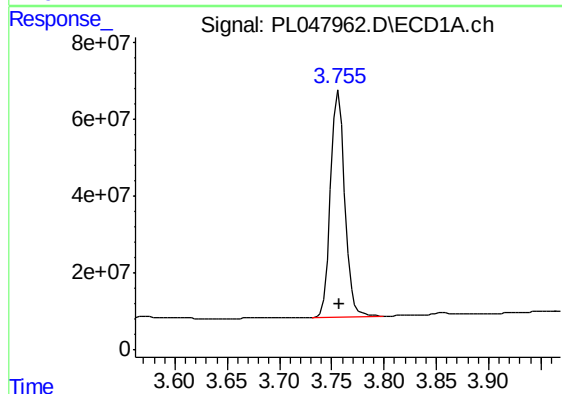
R.T.: 3.329 min  
Delta R.T.: 0.000 min  
Response: 129385379  
Conc: 13.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



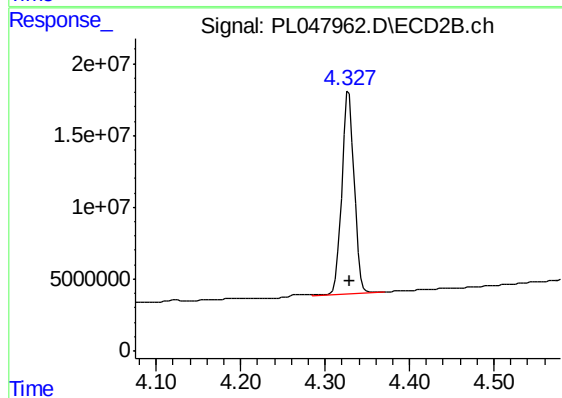
#1 Tetrachloro-m-xylene

R.T.: 3.940 min  
Delta R.T.: -0.002 min  
Response: 43174244  
Conc: 18.09 ng/ml



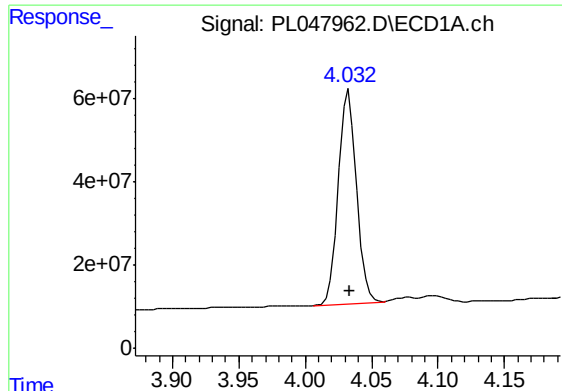
#2 alpha-BHC

R.T.: 3.757 min  
Delta R.T.: 0.000 min  
Response: 554321817  
Conc: 37.92 ng/ml



#2 alpha-BHC

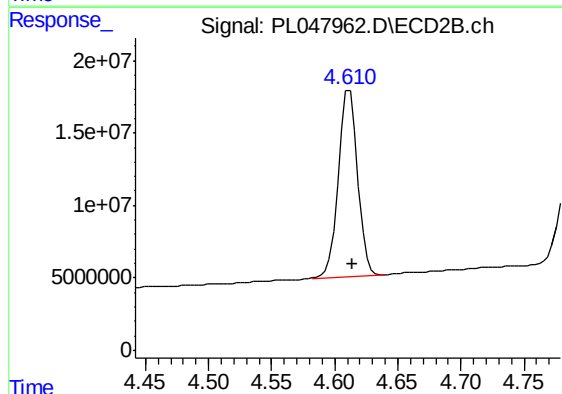
R.T.: 4.328 min  
Delta R.T.: -0.002 min  
Response: 144997545  
Conc: 43.69 ng/ml



#3 gamma-BHC (Lindane)

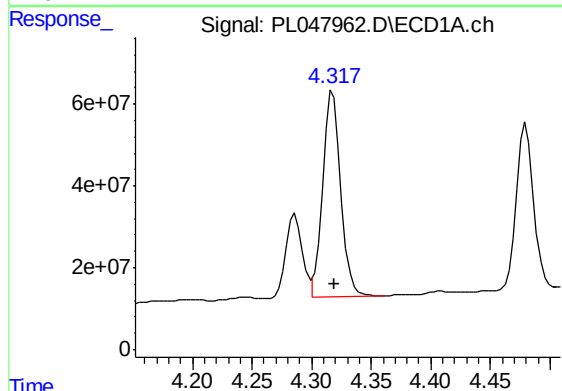
R.T.: 4.033 min  
Delta R.T.: 0.000 min  
Response: 494723281  
Conc: 37.32 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



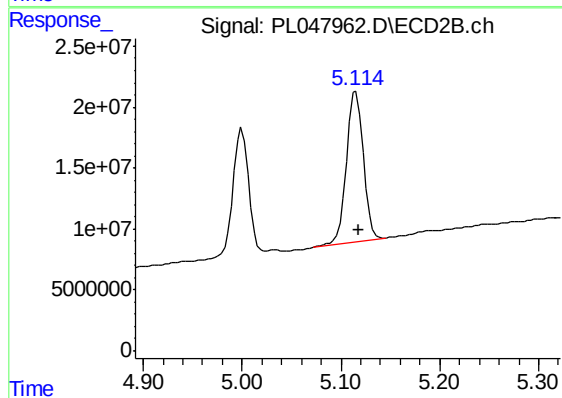
#3 gamma-BHC (Lindane)

R.T.: 4.612 min  
Delta R.T.: -0.002 min  
Response: 135954496  
Conc: 43.35 ng/ml



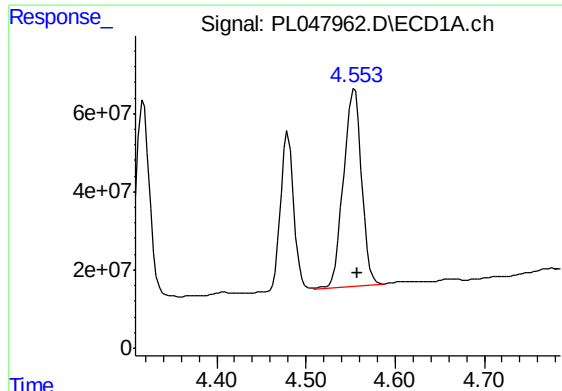
#4 Heptachlor

R.T.: 4.318 min  
Delta R.T.: -0.001 min  
Response: 539379410  
Conc: 37.86 ng/ml



#4 Heptachlor

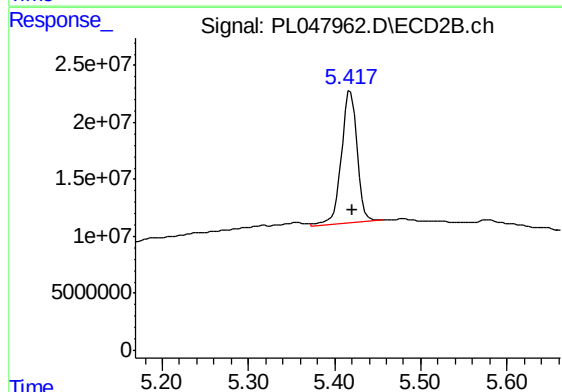
R.T.: 5.115 min  
Delta R.T.: -0.003 min  
Response: 146400243  
Conc: 43.56 ng/ml



#5 Aldrin

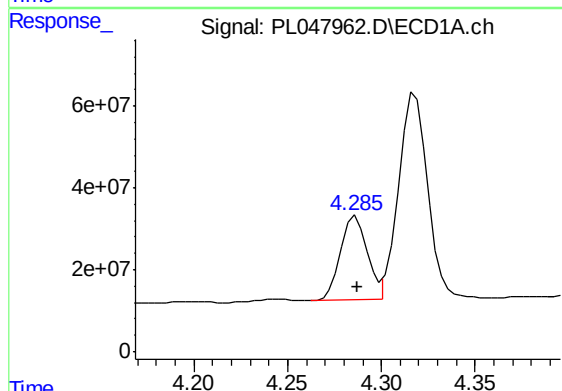
R.T.: 4.555 min  
Delta R.T.: -0.004 min  
Response: 720989456  
Conc: 51.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



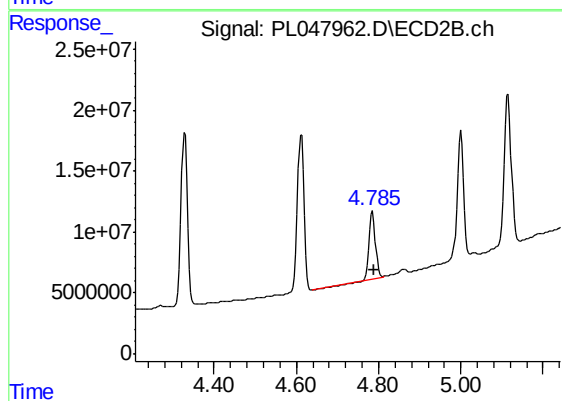
#5 Aldrin

R.T.: 5.418 min  
Delta R.T.: -0.003 min  
Response: 148157279  
Conc: 47.47 ng/ml



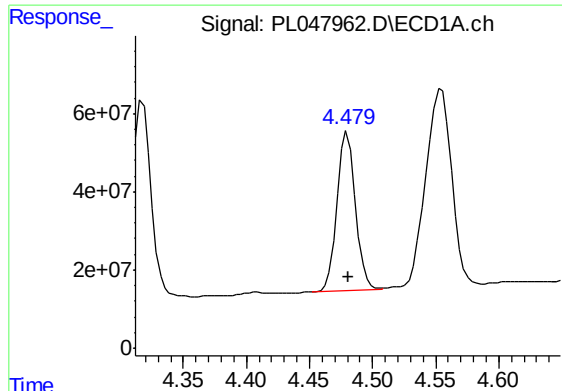
#6 beta-BHC

R.T.: 4.286 min  
Delta R.T.: 0.000 min  
Response: 202189426  
Conc: 35.79 ng/ml



#6 beta-BHC

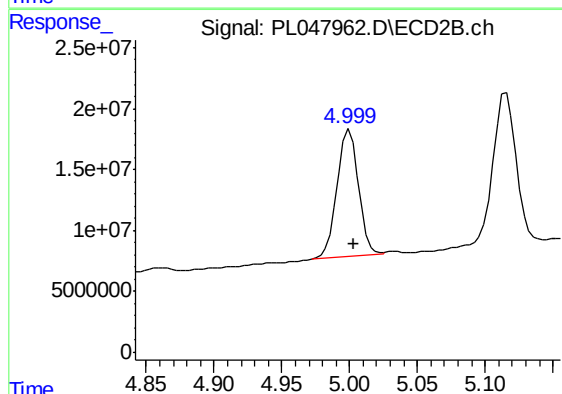
R.T.: 4.786 min  
Delta R.T.: -0.002 min  
Response: 55887522  
Conc: 38.79 ng/ml



#7 delta-BHC

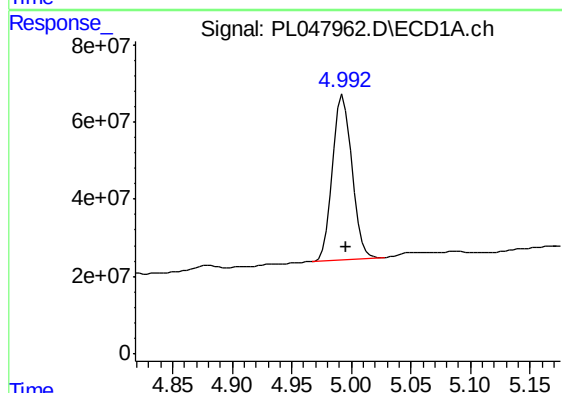
R.T.: 4.480 min  
Delta R.T.: -0.001 min  
Response: 411485337  
Conc: 31.68 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



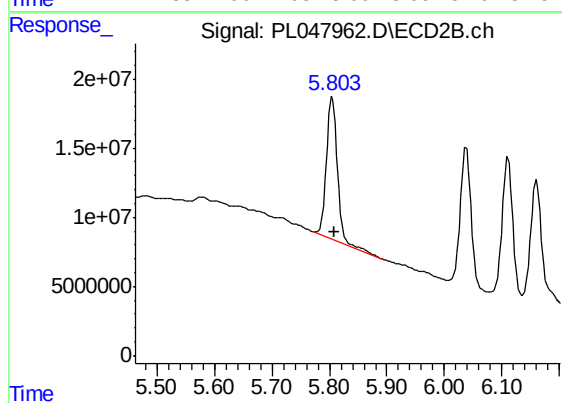
#7 delta-BHC

R.T.: 5.000 min  
Delta R.T.: -0.003 min  
Response: 113316481  
Conc: 45.10 ng/ml



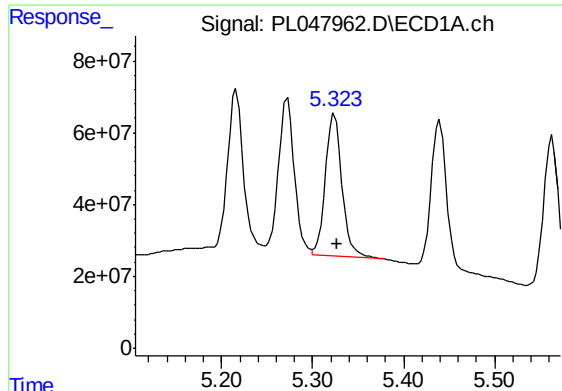
#8 Heptachlor epoxide

R.T.: 4.993 min  
Delta R.T.: -0.002 min  
Response: 481249990  
Conc: 37.55 ng/ml



#8 Heptachlor epoxide

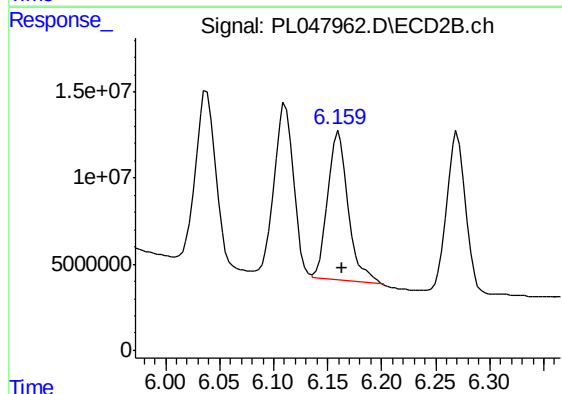
R.T.: 5.805 min  
Delta R.T.: -0.003 min  
Response: 134970438  
Conc: 48.29 ng/ml



#9 Endosulfan I

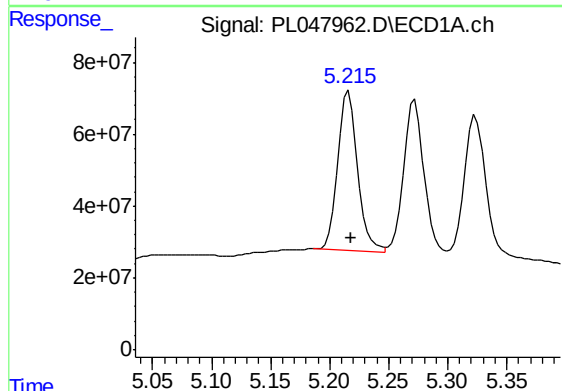
R.T.: 5.324 min  
Delta R.T.: -0.002 min  
Response: 494781598  
Conc: 40.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



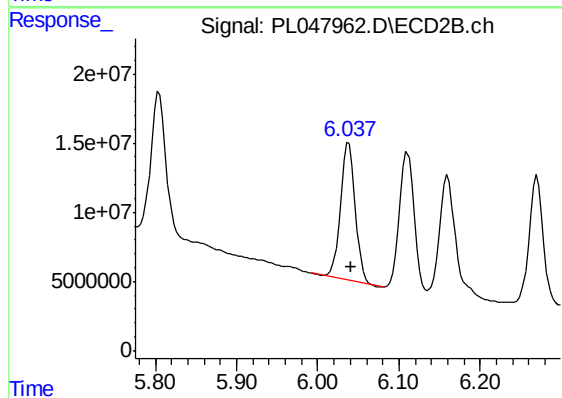
#9 Endosulfan I

R.T.: 6.160 min  
Delta R.T.: -0.003 min  
Response: 112587785  
Conc: 40.10 ng/ml



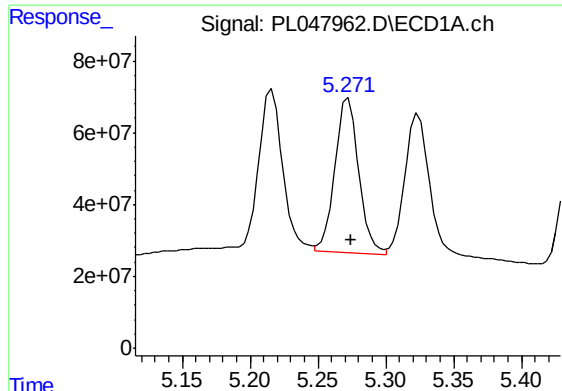
#10 gamma-Chlordane

R.T.: 5.216 min  
Delta R.T.: -0.002 min  
Response: 533091927  
Conc: 40.04 ng/ml



#10 gamma-Chlordane

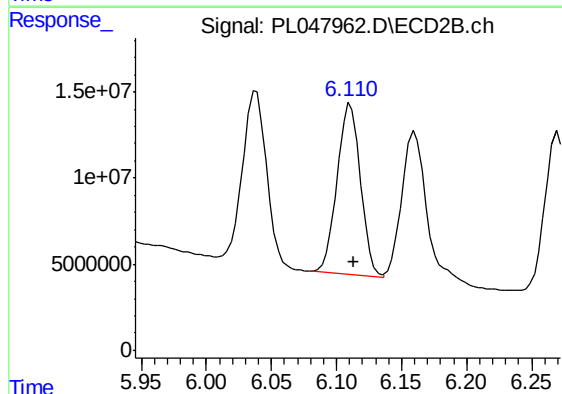
R.T.: 6.038 min  
Delta R.T.: -0.003 min  
Response: 127408375  
Conc: 42.10 ng/ml



#11 alpha-Chlordane

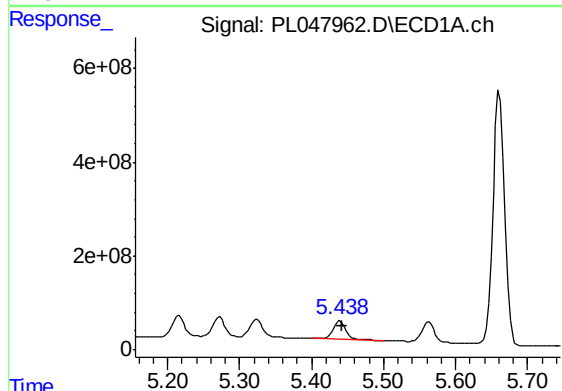
R.T.: 5.272 min  
Delta R.T.: -0.002 min  
Response: 519574348  
Conc: 39.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



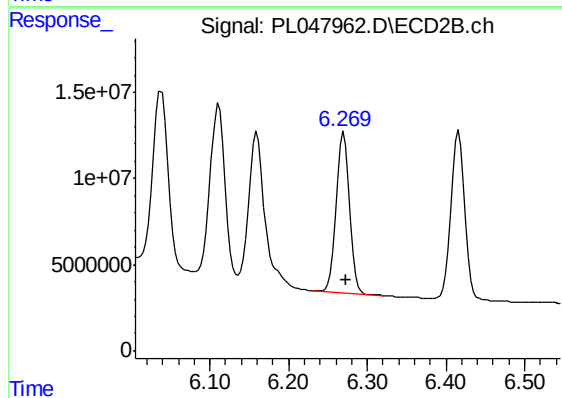
#11 alpha-Chlordane

R.T.: 6.111 min  
Delta R.T.: -0.003 min  
Response: 123219371  
Conc: 40.73 ng/ml



#12 4,4'-DDE

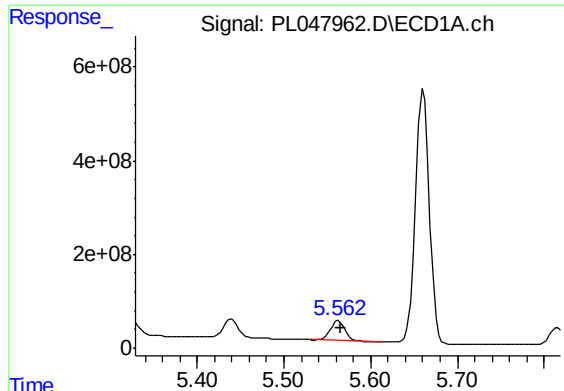
R.T.: 5.440 min  
Delta R.T.: -0.003 min  
Response: 471094104  
Conc: 37.87 ng/ml



#12 4,4'-DDE

R.T.: 6.270 min  
Delta R.T.: -0.003 min  
Response: 111576758  
Conc: 40.41 ng/ml

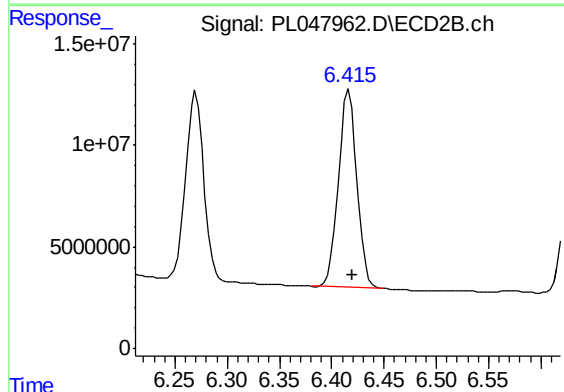




#13 Dieldrin

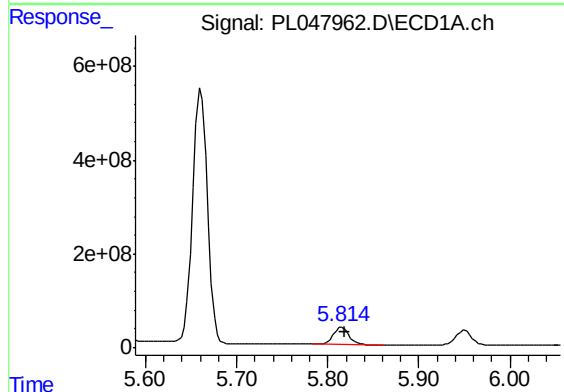
R.T.: 5.563 min  
Delta R.T.: -0.003 min  
Response: 495617251  
Conc: 38.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



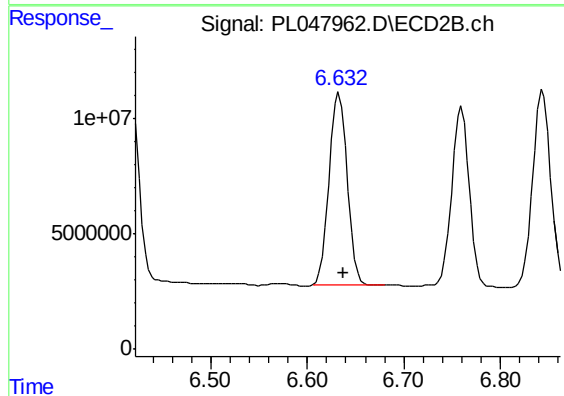
#13 Dieldrin

R.T.: 6.417 min  
Delta R.T.: -0.003 min  
Response: 120132046  
Conc: 41.09 ng/ml



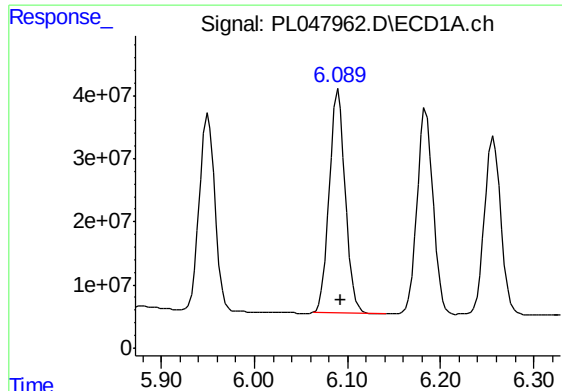
#14 Endrin

R.T.: 5.816 min  
Delta R.T.: -0.003 min  
Response: 443437433  
Conc: 37.31 ng/ml



#14 Endrin

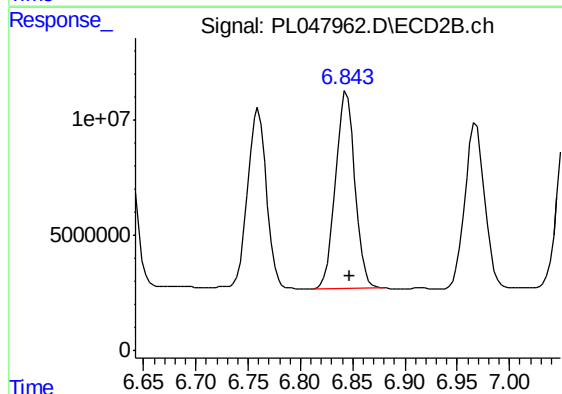
R.T.: 6.633 min  
Delta R.T.: -0.004 min  
Response: 107076107  
Conc: 41.92 ng/ml



#15 Endosulfan II

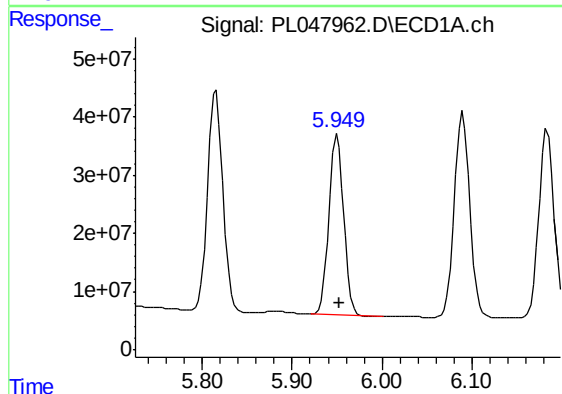
R.T.: 6.090 min  
Delta R.T.: -0.003 min  
Response: 421973333  
Conc: 37.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



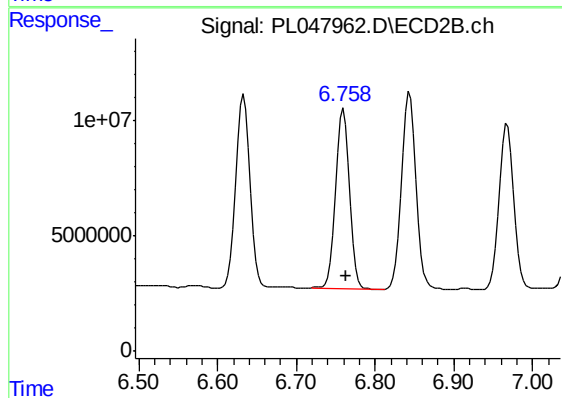
#15 Endosulfan II

R.T.: 6.844 min  
Delta R.T.: -0.003 min  
Response: 110711764  
Conc: 42.20 ng/ml



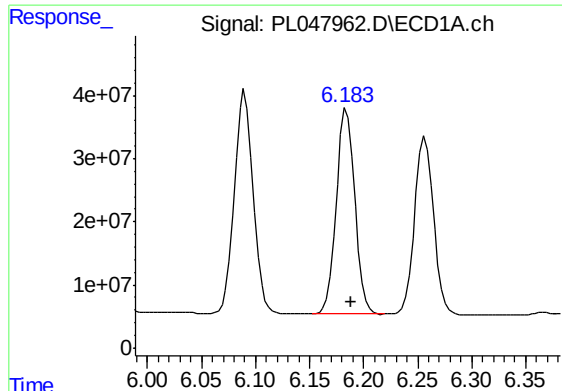
#16 4,4'-DDD

R.T.: 5.950 min  
Delta R.T.: -0.003 min  
Response: 357657816  
Conc: 36.37 ng/ml



#16 4,4'-DDD

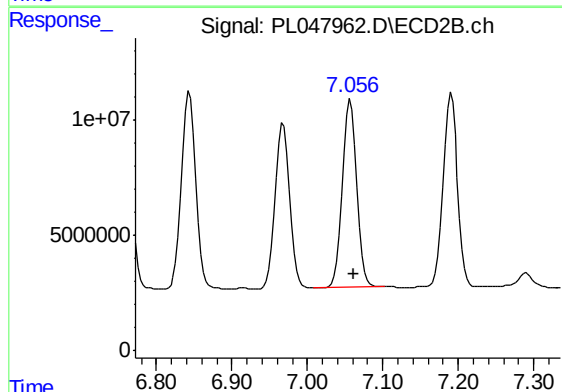
R.T.: 6.760 min  
Delta R.T.: -0.004 min  
Response: 97397137  
Conc: 43.38 ng/ml



#17 4,4'-DDT

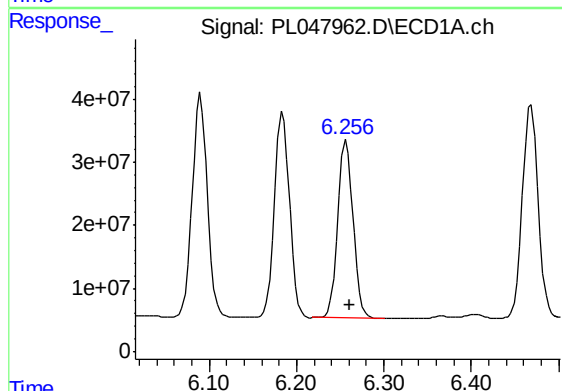
R.T.: 6.184 min  
Delta R.T.: -0.004 min  
Response: 388370448  
Conc: 38.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



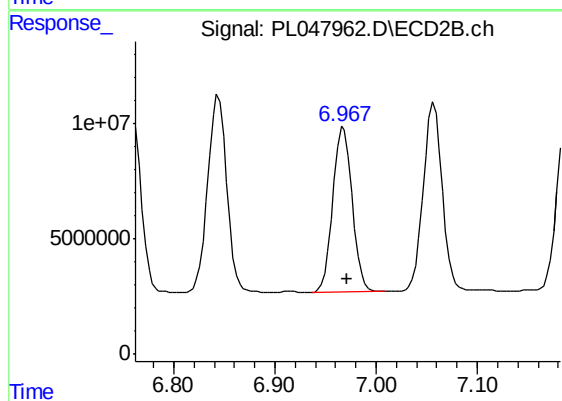
#17 4,4'-DDT

R.T.: 7.057 min  
Delta R.T.: -0.004 min  
Response: 106113369  
Conc: 44.54 ng/ml



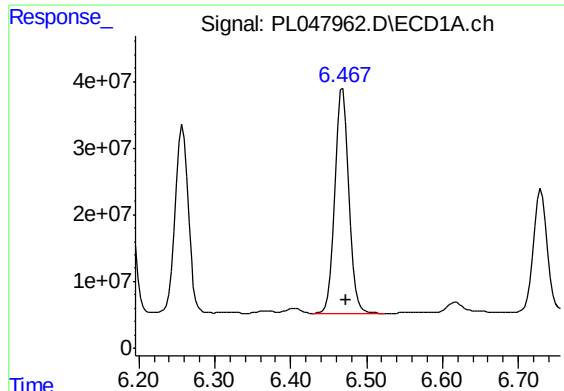
#18 Endrin aldehyde

R.T.: 6.257 min  
Delta R.T.: -0.003 min  
Response: 342451334  
Conc: 36.30 ng/ml



#18 Endrin aldehyde

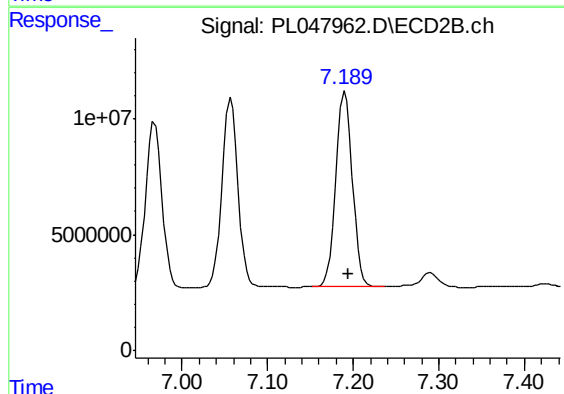
R.T.: 6.968 min  
Delta R.T.: -0.003 min  
Response: 94788389  
Conc: 41.03 ng/ml



#19 Endosulfan Sulfate

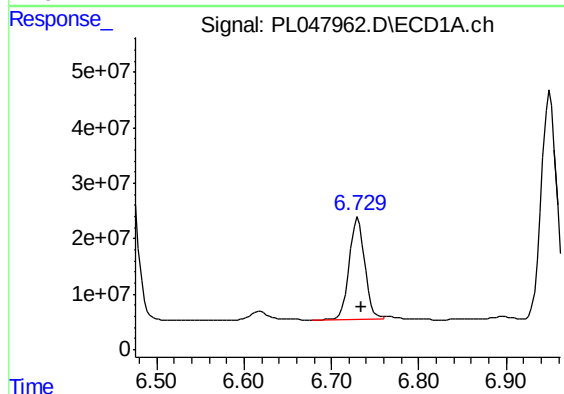
R.T.: 6.469 min  
Delta R.T.: -0.003 min  
Response: 426380735  
Conc: 38.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



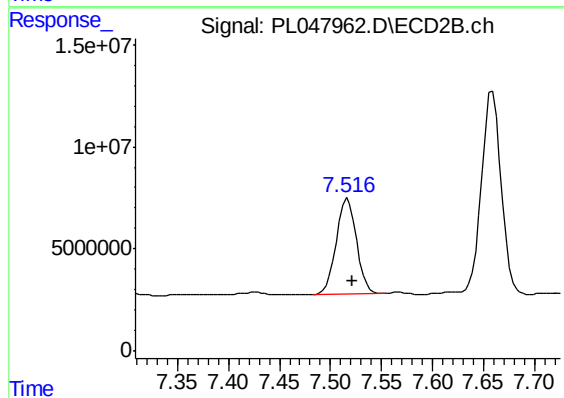
#19 Endosulfan Sulfate

R.T.: 7.191 min  
Delta R.T.: -0.004 min  
Response: 113501467  
Conc: 41.45 ng/ml



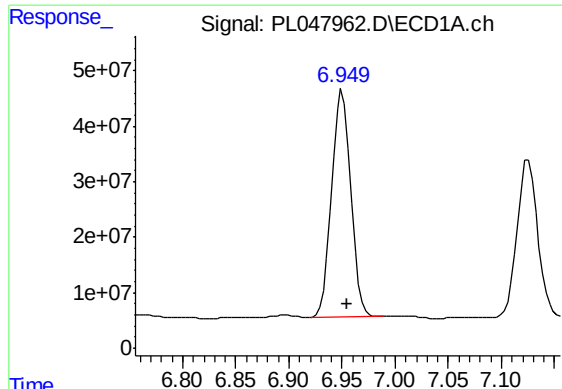
#20 Methoxychlor

R.T.: 6.731 min  
Delta R.T.: -0.003 min  
Response: 228501360  
Conc: 42.96 ng/ml



#20 Methoxychlor

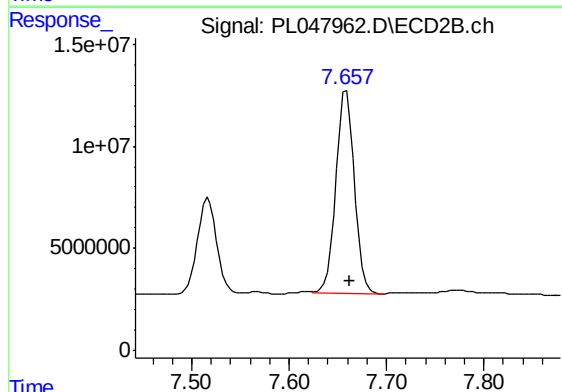
R.T.: 7.517 min  
Delta R.T.: -0.004 min  
Response: 64452674  
Conc: 45.97 ng/ml



#21 Endrin ketone

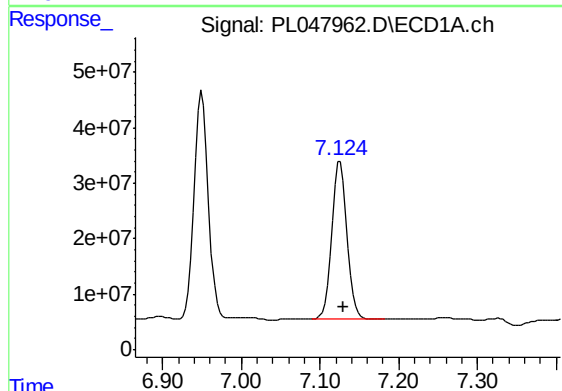
R.T.: 6.950 min  
Delta R.T.: -0.004 min  
Response: 510982873  
Conc: 43.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



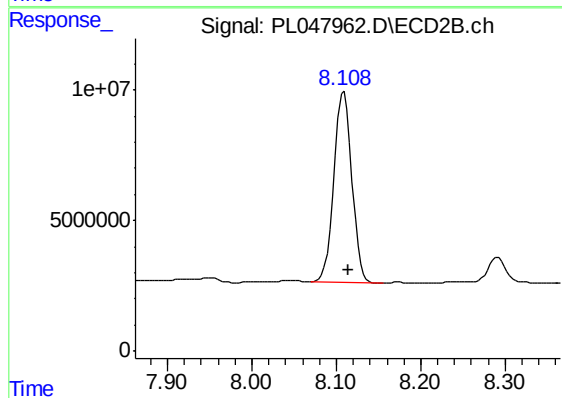
#21 Endrin ketone

R.T.: 7.659 min  
Delta R.T.: -0.004 min  
Response: 133061773  
Conc: 47.32 ng/ml



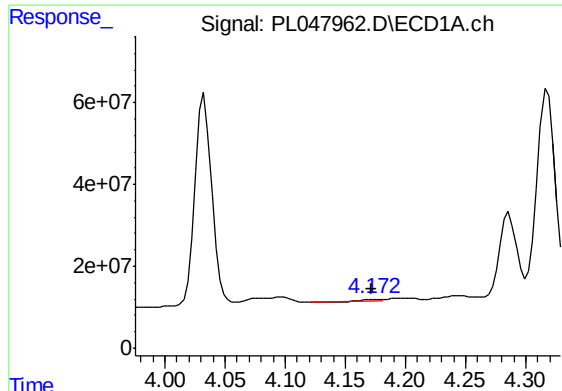
#22 Mirex

R.T.: 7.125 min  
Delta R.T.: -0.004 min  
Response: 386469418  
Conc: 41.17 ng/ml



#22 Mirex

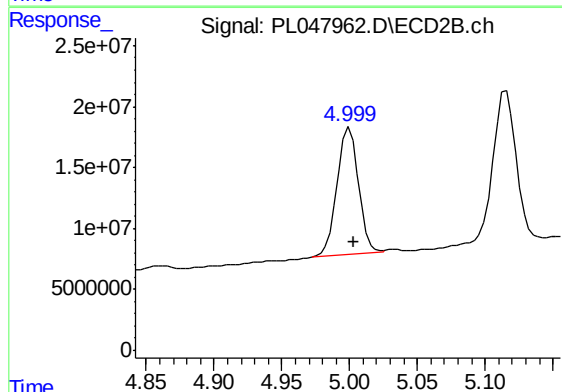
R.T.: 8.109 min  
Delta R.T.: -0.005 min  
Response: 108485464  
Conc: 46.62 ng/ml



#23 Chlordane-1

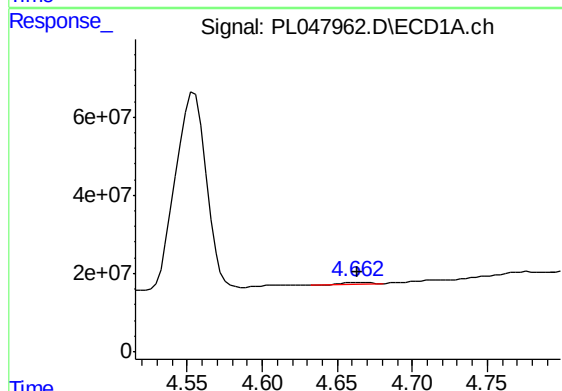
R.T.: 4.175 min  
Delta R.T.: 0.003 min  
Response: 2245034  
Conc: 5.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



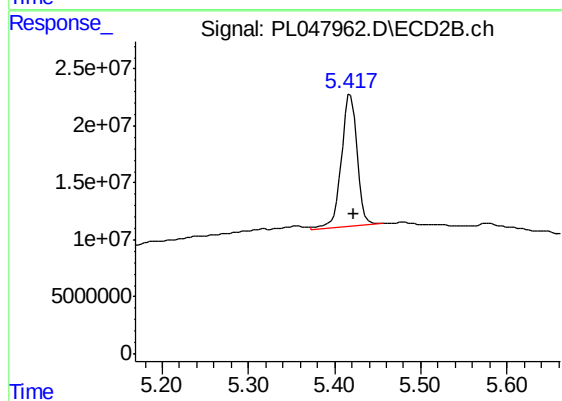
#23 Chlordane-1

R.T.: 5.000 min  
Delta R.T.: -0.003 min  
Response: 113316481  
Conc: 442.29 ng/ml



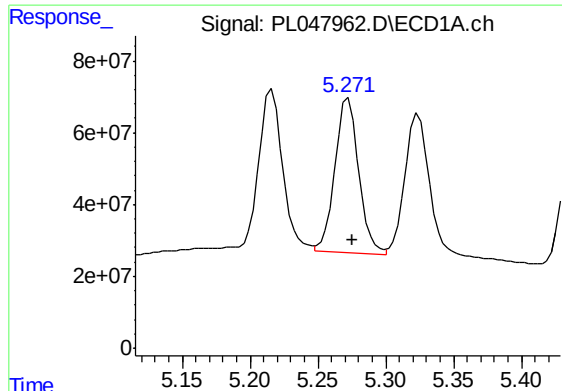
#24 Chlordane-2

R.T.: 4.664 min  
Delta R.T.: 0.000 min  
Response: 3383884  
Conc: 7.12 ng/ml



#24 Chlordane-2

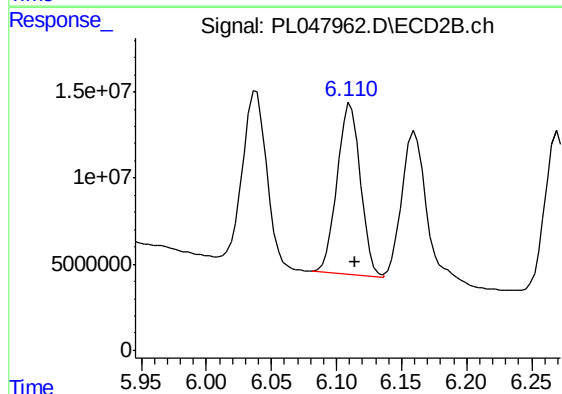
R.T.: 5.418 min  
Delta R.T.: -0.003 min  
Response: 148157279  
Conc: 476.12 ng/ml



#25 Chlordane-3

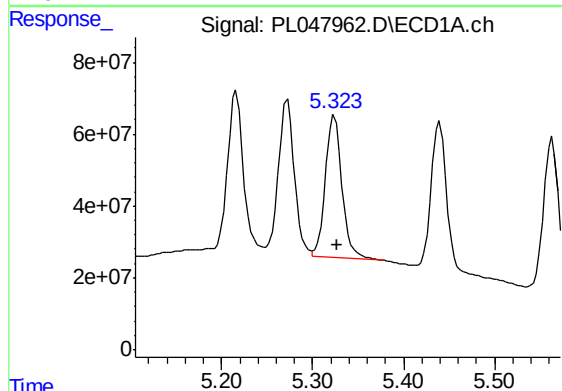
R.T.: 5.272 min  
Delta R.T.: -0.003 min  
Response: 519574348  
Conc: 394.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



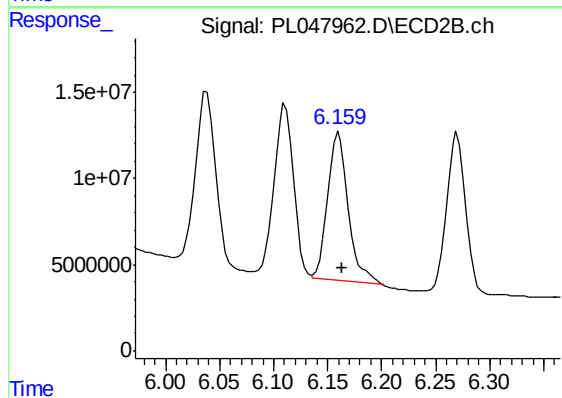
#25 Chlordane-3

R.T.: 6.111 min  
Delta R.T.: -0.003 min  
Response: 123219371  
Conc: 415.96 ng/ml



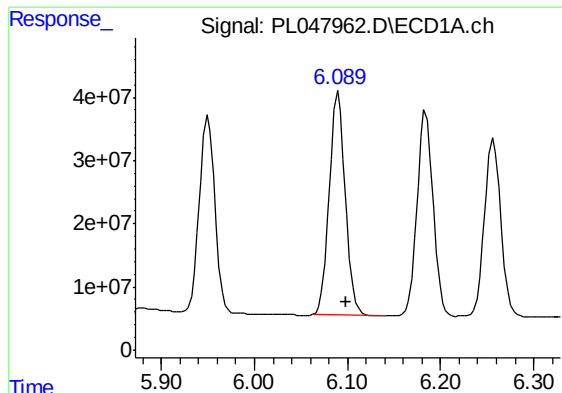
#26 Chlordane-4

R.T.: 5.324 min  
Delta R.T.: -0.003 min  
Response: 494781598  
Conc: 402.67 ng/ml



#26 Chlordane-4

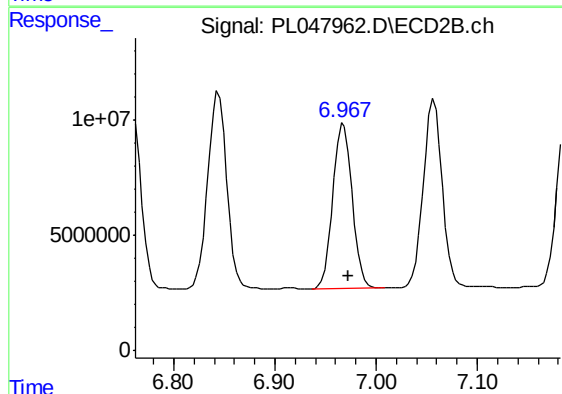
R.T.: 6.160 min  
Delta R.T.: -0.003 min  
Response: 112587785  
Conc: 408.82 ng/ml



#27 Chlordane-5

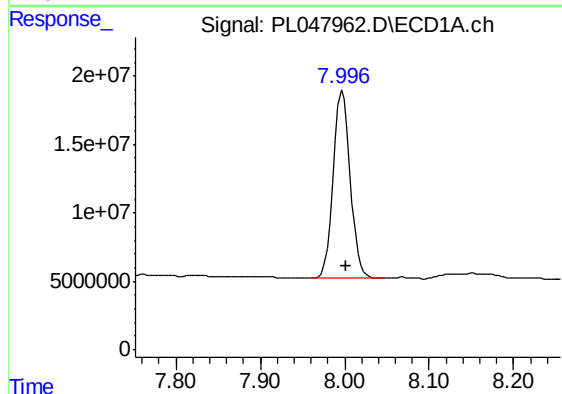
R.T.: 6.090 min  
Delta R.T.: -0.008 min  
Response: 421973333  
Conc: 995.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
114-PENNINGTONMSD



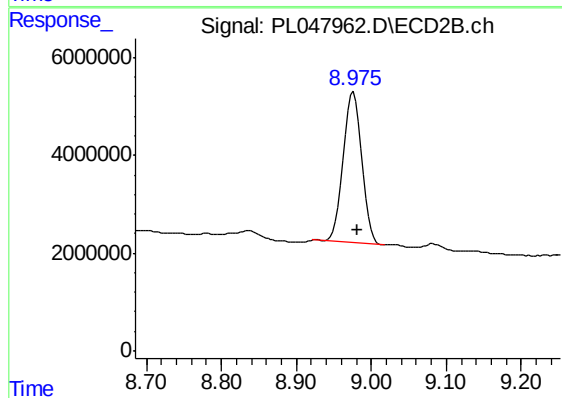
#27 Chlordane-5

R.T.: 6.968 min  
Delta R.T.: -0.004 min  
Response: 94788389  
Conc: 420.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.997 min  
Delta R.T.: -0.004 min  
Response: 192652099  
Conc: 17.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.976 min  
Delta R.T.: -0.005 min  
Response: 52225608  
Conc: 18.30 ng/ml