

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052219\  
 Data File : PL048846.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 May 2019 17:11  
 Operator : SM\AJ  
 Sample : K2971-14MS  
 Misc :  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 SUP-2A-C-3-052019MS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 23 01:11:08 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL050119.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 02 09:36:55 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... | 3.323 | 3.936  | 185.7E6 | 52320549 | 19.172   | 21.005     |
| 28)                         | SA Decachlor... | 7.990 | 8.970  | 199.4E6 | 54699513 | 19.829   | 20.608     |
| Target Compounds            |                 |       |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.751 | 4.325  | 880.7E6 | 223.3E6  | 56.939   | 63.581     |
| 3)                          | MA gamma-BHC... | 4.027 | 4.608  | 829.1E6 | 201.1E6  | 58.348   | 61.557     |
| 4)                          | MA Heptachlor   | 4.312 | 5.111  | 834.9E6 | 200.8E6  | 56.750   | 57.991     |
| 5)                          | MB Aldrin       | 4.550 | 5.413  | 797.1E6 | 185.8E6  | 58.175   | 60.001     |
| 6)                          | B beta-BHC      | 4.281 | 4.782  | 324.4E6 | 87719495 | 54.973   | 56.375     |
| 7)                          | B delta-BHC     | 4.475 | 4.997  | 749.2E6 | 137.2E6  | 53.063   | 48.516     |
| 8)                          | B Heptachlor... | 4.987 | 5.799  | 718.2E6 | 154.8E6  | 55.738   | 53.088     |
| 9)                          | A Endosulfan I  | 5.317 | 6.155  | 635.3E6 | 154.7E6  | 52.807   | 54.721     |
| 10)                         | B gamma-Chl...  | 5.210 | 6.033  | 763.5E6 | 175.9E6  | 57.183   | 57.129     |
| 11)                         | B alpha-Chl...  | 5.265 | 6.105  | 728.2E6 | 176.6E6  | 55.698   | 57.573     |
| 12)                         | B 4,4'-DDE      | 5.434 | 6.265  | 720.0E6 | 165.6E6  | 56.760   | 59.997     |
| 13)                         | MA Dieldrin     | 5.557 | 6.412  | 729.3E6 | 170.6E6  | 56.008   | 58.146     |
| 14)                         | MA Endrin       | 5.809 | 6.629  | 652.0E6 | 143.5E6  | 53.554   | 55.026     |
| 15)                         | B Endosulfa...  | 6.084 | 6.839  | 585.0E6 | 143.6E6  | 50.689   | 53.259     |
| 16)                         | A 4,4'-DDD      | 5.944 | 6.755  | 527.3E6 | 131.5E6  | 54.175   | 58.593     |
| 17)                         | MA 4,4'-DDT     | 6.179 | 7.052  | 535.0E6 | 132.9E6  | 53.254   | 56.639     |
| 18)                         | B Endrin al...  | 6.251 | 6.964  | 468.5E6 | 117.3E6  | 48.204   | 50.055     |
| 19)                         | B Endosulfa...  | 6.463 | 7.186  | 515.7E6 | 130.4E6  | 48.053   | 50.401     |
| 20)                         | A Methoxychlor  | 6.724 | 7.512  | 259.0E6 | 69515873 | 47.576   | 50.921     |
| 21)                         | B Endrin ke...  | 6.944 | 7.655  | 599.0E6 | 147.8E6  | 51.394   | 56.558     |
| 22)                         | Mirex           | 7.118 | 8.105  | 616.8E6 | 162.5E6  | 68.814   | 77.038     |
| 24)                         | Chlordane-2     | 0.000 | 5.413f | 0       | 185.8E6  | N.D.     | 1436.546 # |
| 25)                         | Chlordane-3     | 5.210 | 6.033  | 763.5E6 | 175.9E6  | 484.911  | 401.337    |
| 26)                         | Chlordane-4     | 5.265 | 6.105  | 728.2E6 | 176.6E6  | 501.553  | 336.732 #  |
| 27)                         | Chlordane-5     | 6.084 | 0.000  | 585.0E6 | 0        | 1245.805 | N.D. #     |
| -----                       |                 |       |        |         |          |          |            |

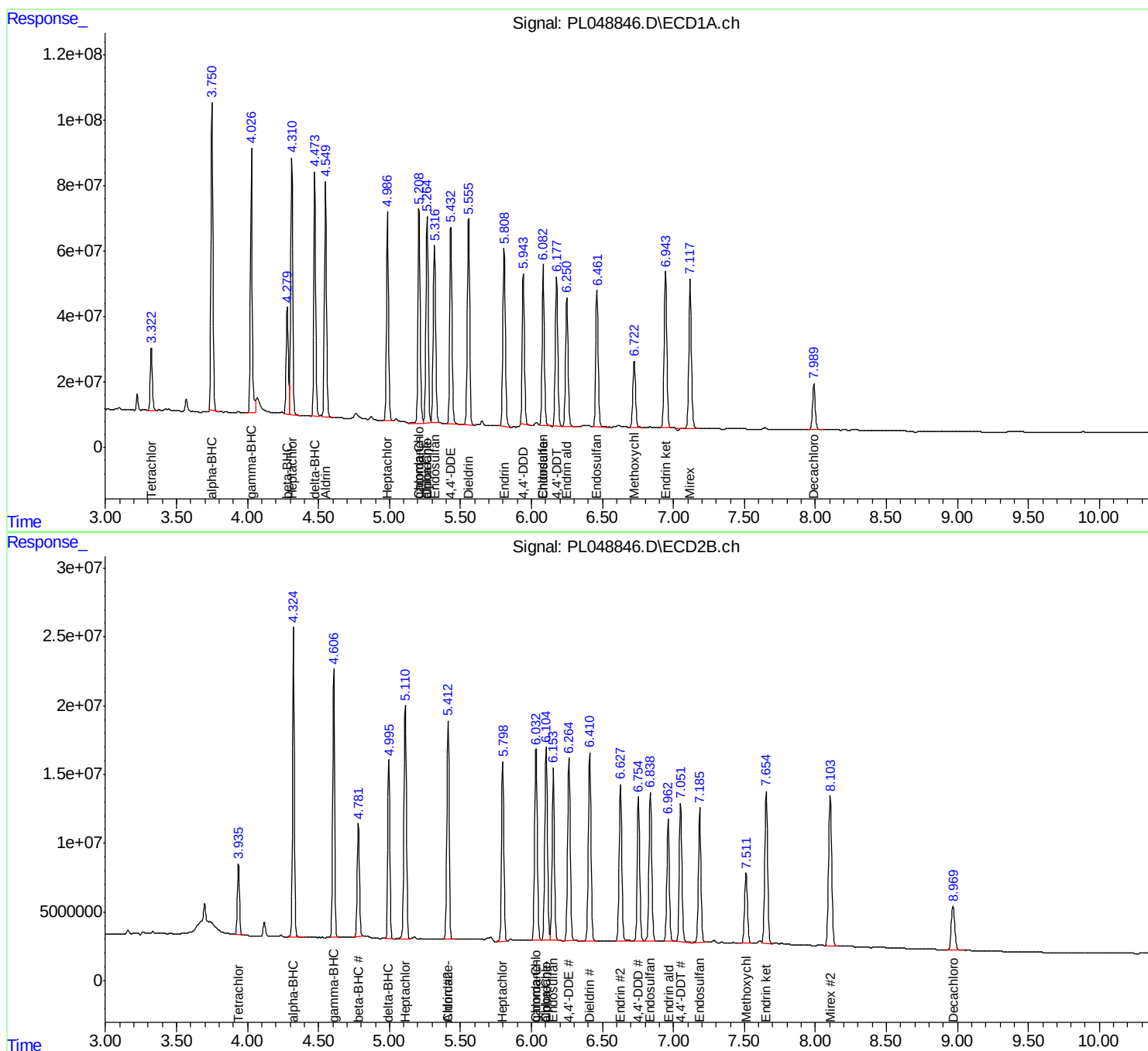
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

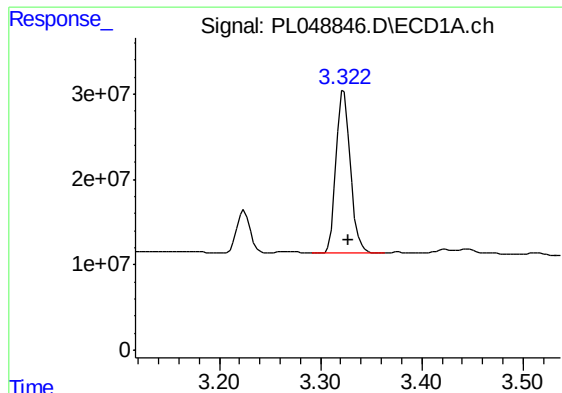
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL052219\  
Data File : PL048846.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 May 2019 17:11  
Operator : SM\AJ  
Sample : K2971-14MS  
Misc :  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 23 01:11:08 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL050119.M  
Quant Title : GC Extractables  
QLast Update : Thu May 02 09:36:55 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

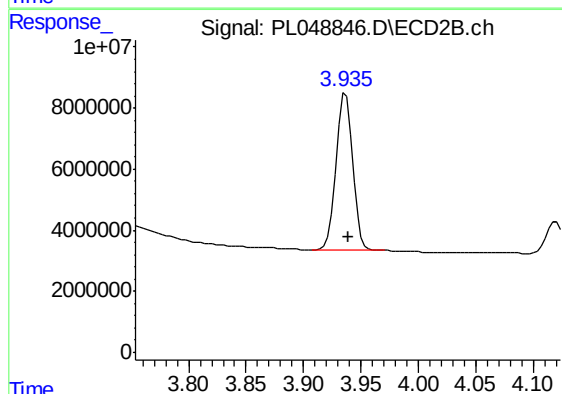




#1 Tetrachloro-m-xylene

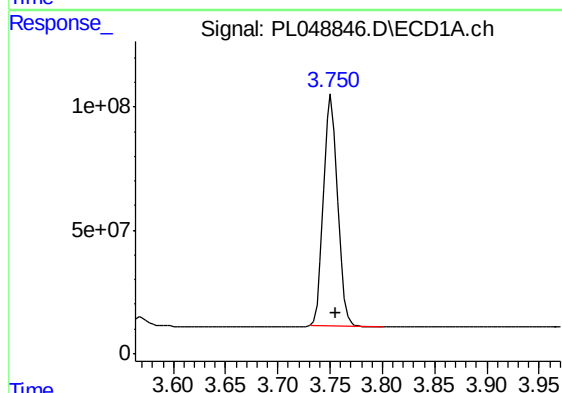
R.T.: 3.323 min  
Delta R.T.: -0.005 min  
Response: 185713568  
Conc: 19.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



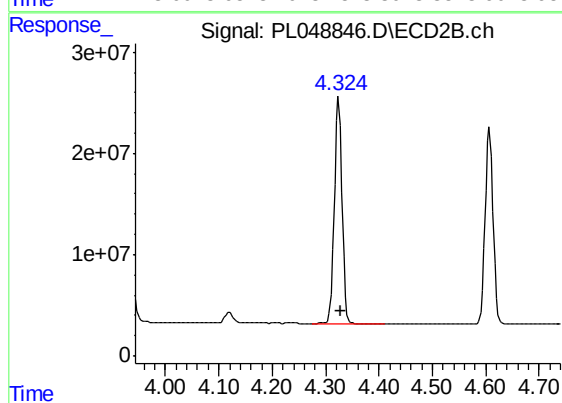
#1 Tetrachloro-m-xylene

R.T.: 3.936 min  
Delta R.T.: -0.003 min  
Response: 52320549  
Conc: 21.00 ng/ml



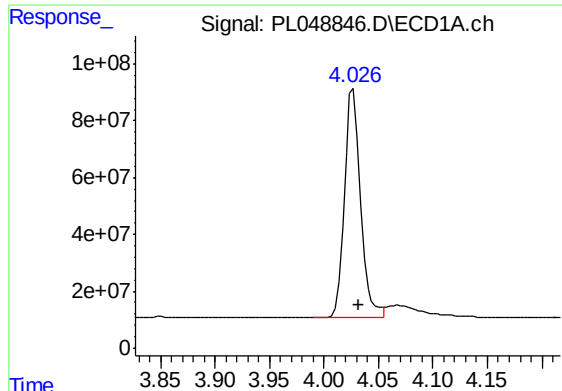
#2 alpha-BHC

R.T.: 3.751 min  
Delta R.T.: -0.005 min  
Response: 880702885  
Conc: 56.94 ng/ml



#2 alpha-BHC

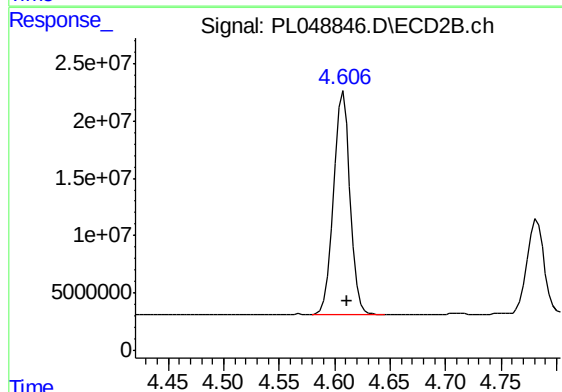
R.T.: 4.325 min  
Delta R.T.: -0.003 min  
Response: 223296596  
Conc: 63.58 ng/ml



#3 gamma-BHC (Lindane)

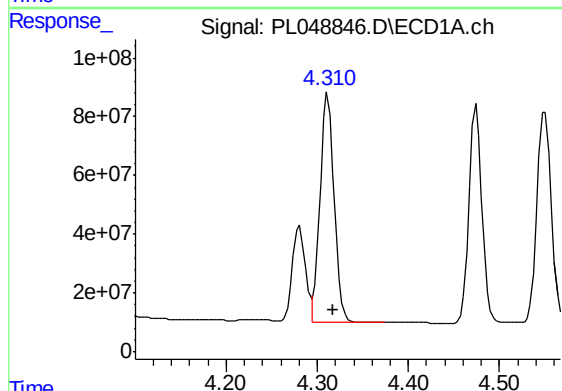
R.T.: 4.027 min  
Delta R.T.: -0.005 min  
Response: 829067615  
Conc: 58.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



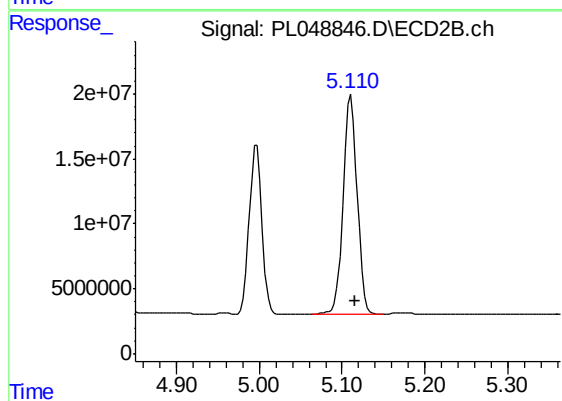
#3 gamma-BHC (Lindane)

R.T.: 4.608 min  
Delta R.T.: -0.004 min  
Response: 201055969  
Conc: 61.56 ng/ml



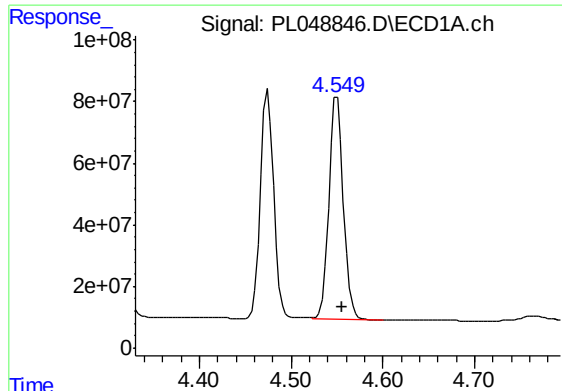
#4 Heptachlor

R.T.: 4.312 min  
Delta R.T.: -0.005 min  
Response: 834900561  
Conc: 56.75 ng/ml



#4 Heptachlor

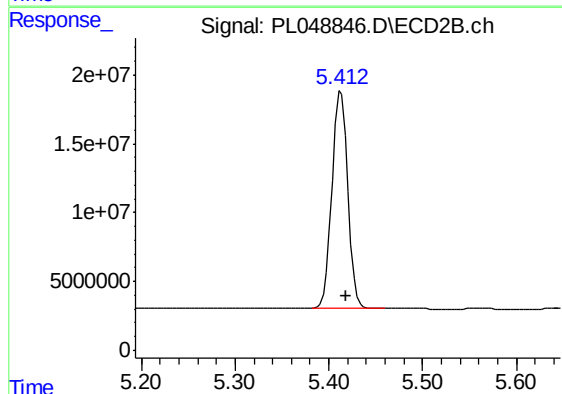
R.T.: 5.111 min  
Delta R.T.: -0.005 min  
Response: 200753193  
Conc: 57.99 ng/ml



#5 Aldrin

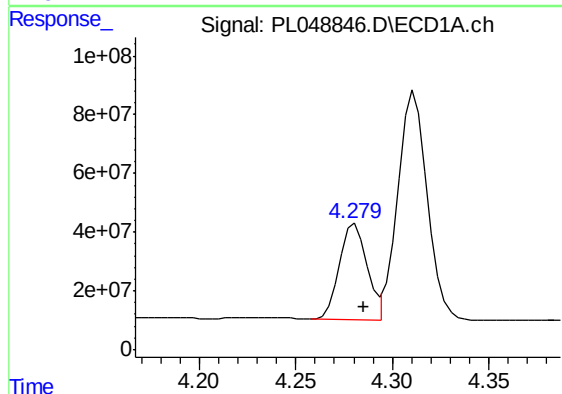
R.T.: 4.550 min  
Delta R.T.: -0.006 min  
Response: 797094006  
Conc: 58.18 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



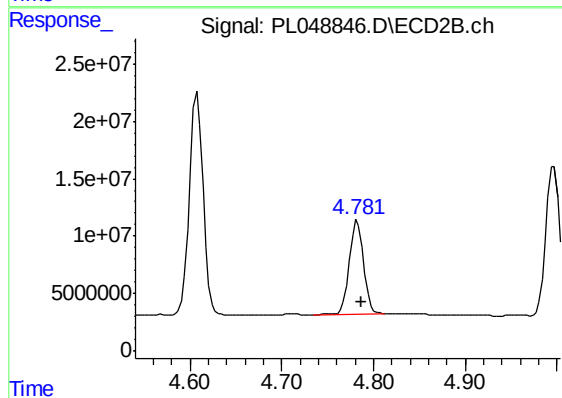
#5 Aldrin

R.T.: 5.413 min  
Delta R.T.: -0.005 min  
Response: 185801086  
Conc: 60.00 ng/ml



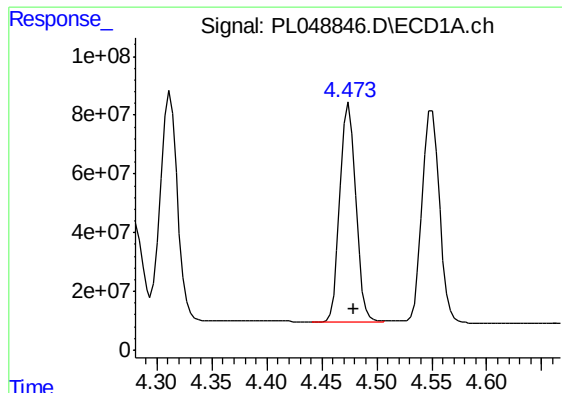
#6 beta-BHC

R.T.: 4.281 min  
Delta R.T.: -0.004 min  
Response: 324430073  
Conc: 54.97 ng/ml



#6 beta-BHC

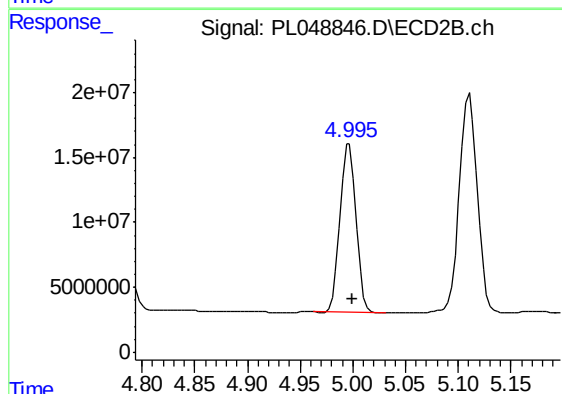
R.T.: 4.782 min  
Delta R.T.: -0.004 min  
Response: 87719495  
Conc: 56.37 ng/ml



#7 delta-BHC

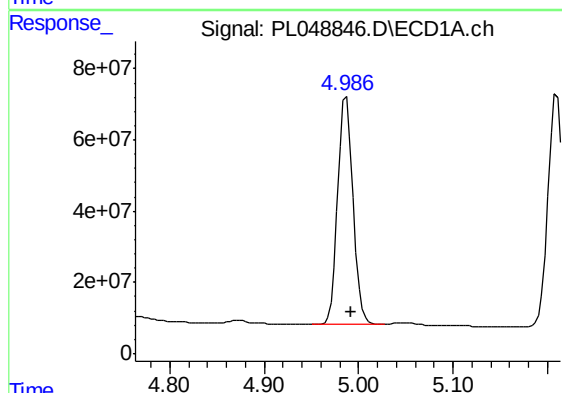
R.T.: 4.475 min  
Delta R.T.: -0.004 min  
Response: 749186387  
Conc: 53.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



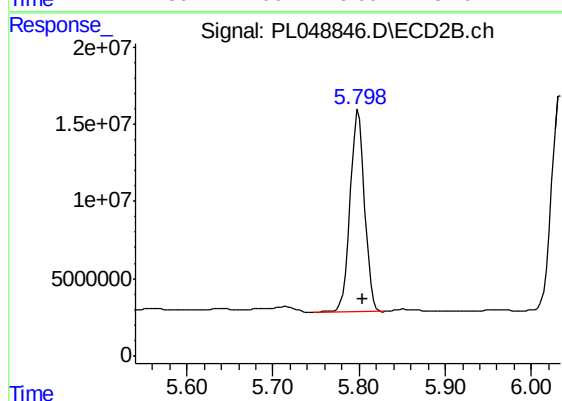
#7 delta-BHC

R.T.: 4.997 min  
Delta R.T.: -0.003 min  
Response: 137198452  
Conc: 48.52 ng/ml



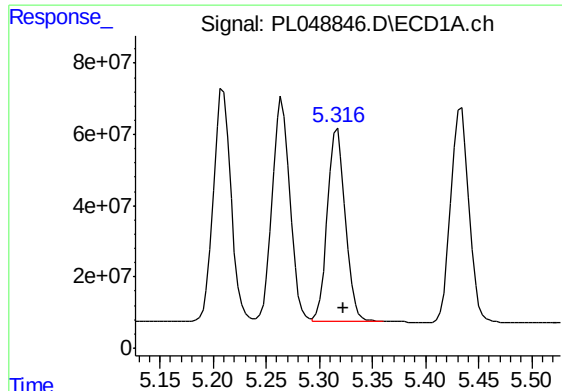
#8 Heptachlor epoxide

R.T.: 4.987 min  
Delta R.T.: -0.005 min  
Response: 718168645  
Conc: 55.74 ng/ml



#8 Heptachlor epoxide

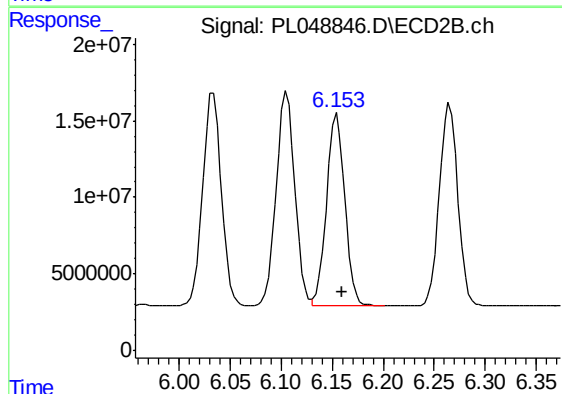
R.T.: 5.799 min  
Delta R.T.: -0.005 min  
Response: 154842781  
Conc: 53.09 ng/ml



#9 Endosulfan I

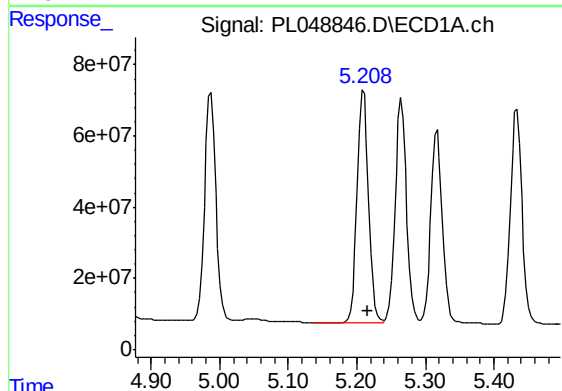
R.T.: 5.317 min  
Delta R.T.: -0.005 min  
Response: 635263263  
Conc: 52.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



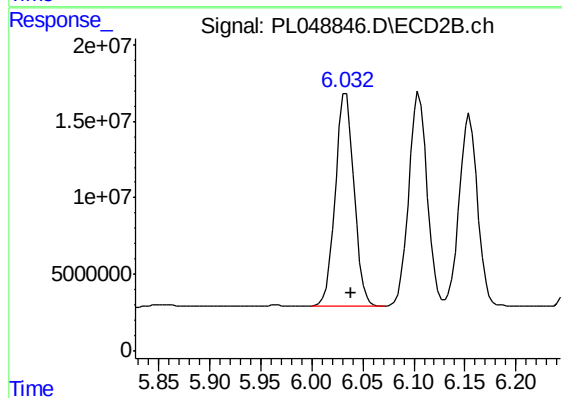
#9 Endosulfan I

R.T.: 6.155 min  
Delta R.T.: -0.004 min  
Response: 154722926  
Conc: 54.72 ng/ml



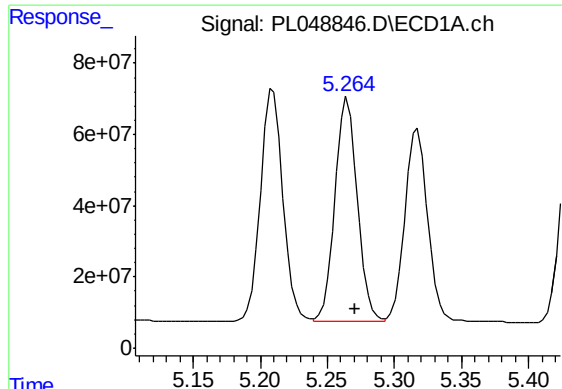
#10 gamma-Chlordane

R.T.: 5.210 min  
Delta R.T.: -0.005 min  
Response: 763520356  
Conc: 57.18 ng/ml



#10 gamma-Chlordane

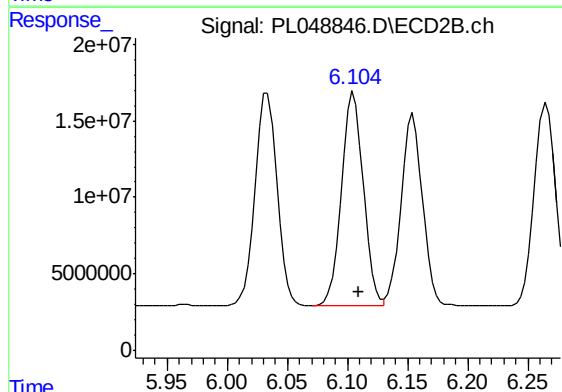
R.T.: 6.033 min  
Delta R.T.: -0.005 min  
Response: 175878204  
Conc: 57.13 ng/ml



#11 alpha-Chlordane

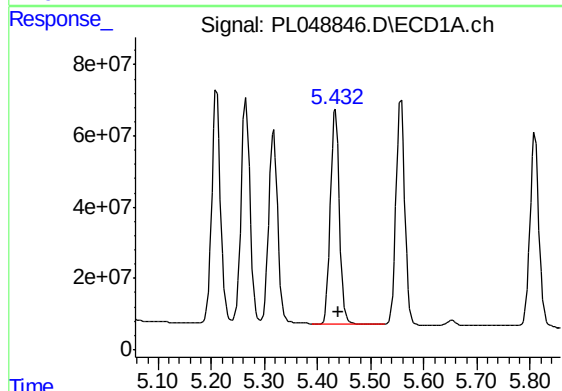
R.T.: 5.265 min  
Delta R.T.: -0.005 min  
Response: 728166373  
Conc: 55.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



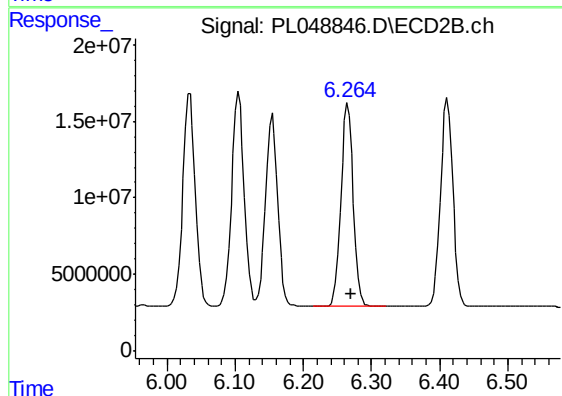
#11 alpha-Chlordane

R.T.: 6.105 min  
Delta R.T.: -0.004 min  
Response: 176649725  
Conc: 57.57 ng/ml



#12 4,4'-DDE

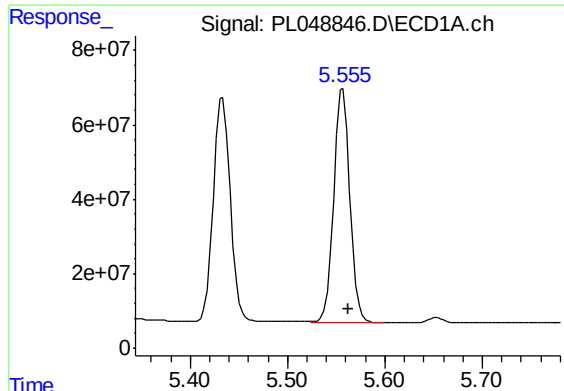
R.T.: 5.434 min  
Delta R.T.: -0.005 min  
Response: 720019050  
Conc: 56.76 ng/ml



#12 4,4'-DDE

R.T.: 6.265 min  
Delta R.T.: -0.004 min  
Response: 165645159  
Conc: 60.00 ng/ml

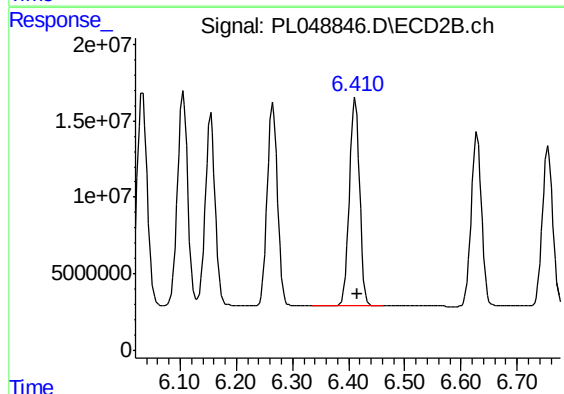




#13 Dielldrin

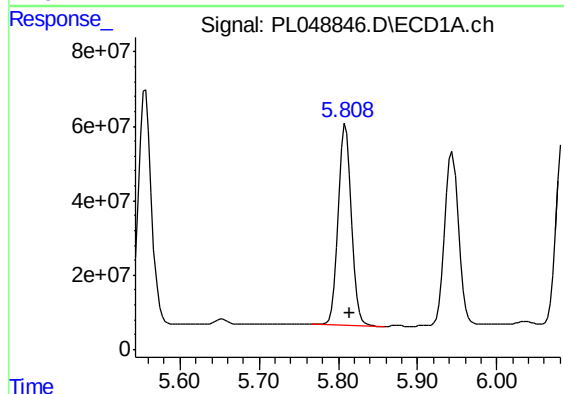
R.T.: 5.557 min  
Delta R.T.: -0.005 min  
Response: 729270602  
Conc: 56.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



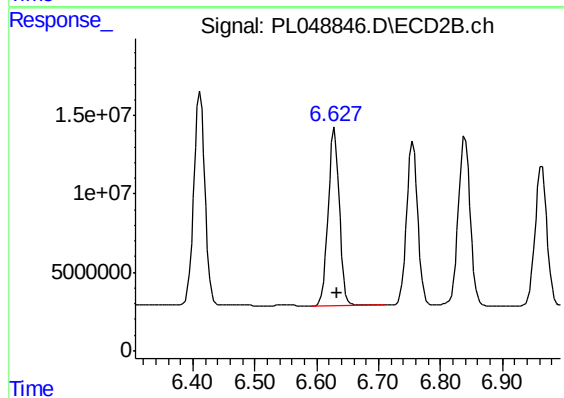
#13 Dielldrin

R.T.: 6.412 min  
Delta R.T.: -0.004 min  
Response: 170581585  
Conc: 58.15 ng/ml



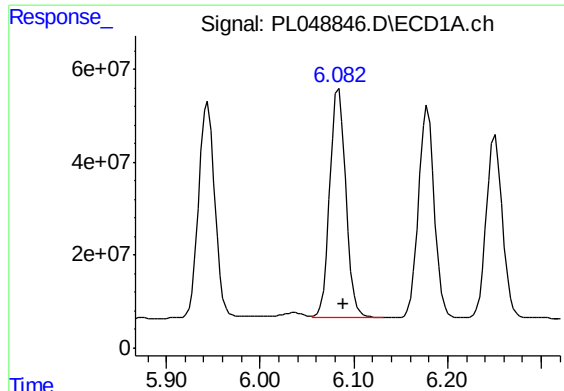
#14 Endrin

R.T.: 5.809 min  
Delta R.T.: -0.005 min  
Response: 651967111  
Conc: 53.55 ng/ml



#14 Endrin

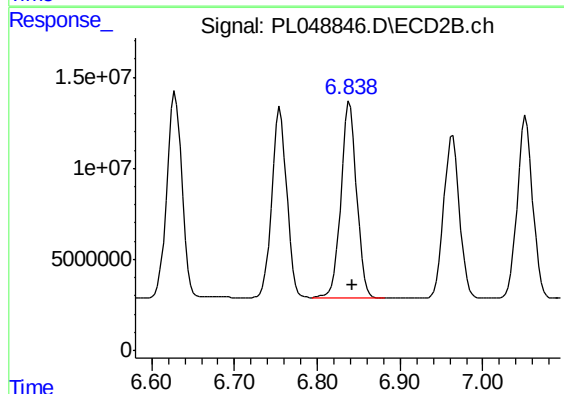
R.T.: 6.629 min  
Delta R.T.: -0.004 min  
Response: 143473957  
Conc: 55.03 ng/ml



#15 Endosulfan II

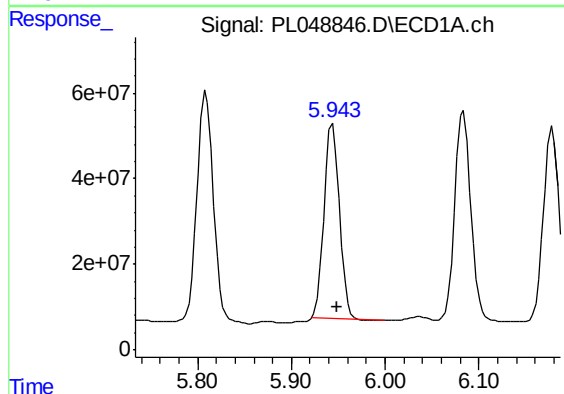
R.T.: 6.084 min  
Delta R.T.: -0.005 min  
Response: 584975247  
Conc: 50.69 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



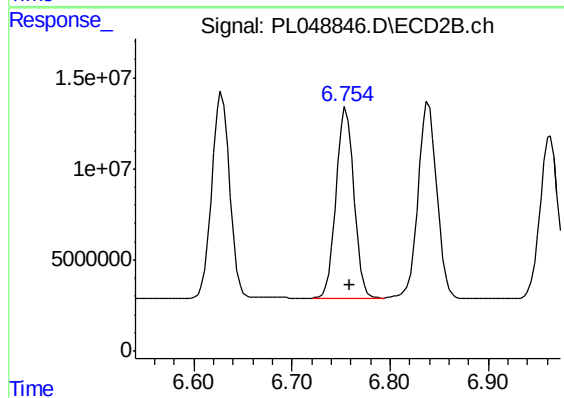
#15 Endosulfan II

R.T.: 6.839 min  
Delta R.T.: -0.004 min  
Response: 143619035  
Conc: 53.26 ng/ml



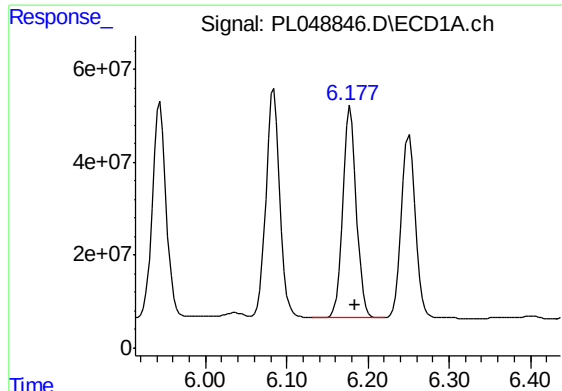
#16 4,4'-DDD

R.T.: 5.944 min  
Delta R.T.: -0.005 min  
Response: 527338439  
Conc: 54.17 ng/ml



#16 4,4'-DDD

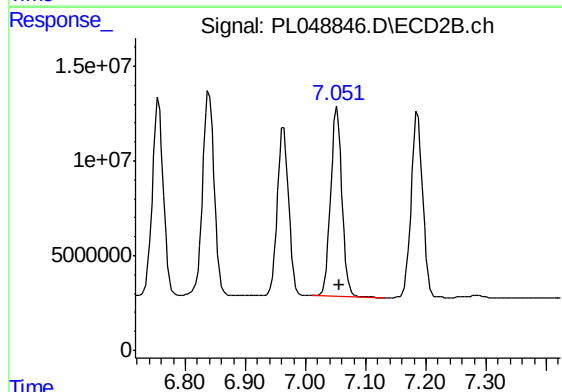
R.T.: 6.755 min  
Delta R.T.: -0.004 min  
Response: 131486095  
Conc: 58.59 ng/ml



#17 4,4'-DDT

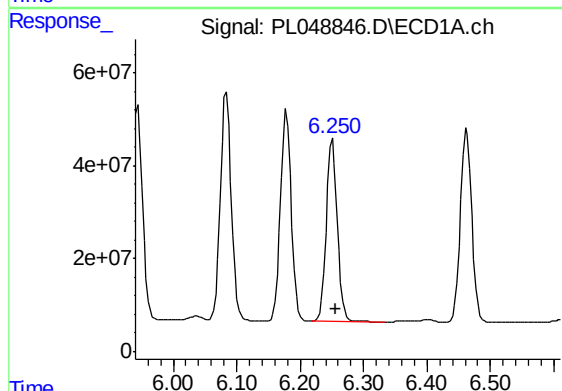
R.T.: 6.179 min  
Delta R.T.: -0.005 min  
Response: 535014862  
Conc: 53.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



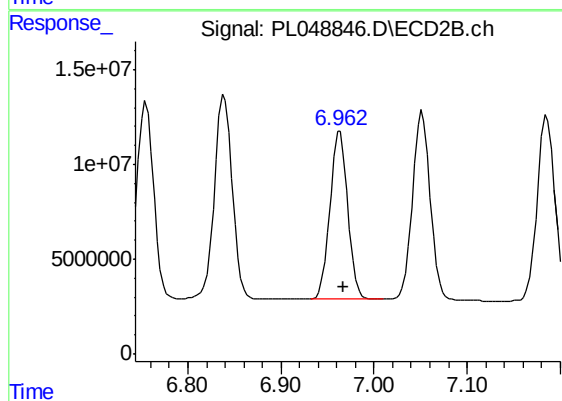
#17 4,4'-DDT

R.T.: 7.052 min  
Delta R.T.: -0.005 min  
Response: 132910053  
Conc: 56.64 ng/ml



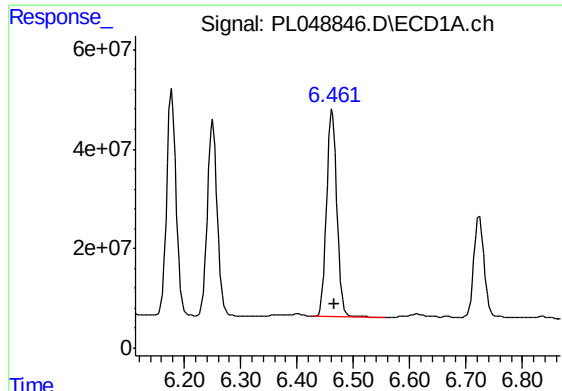
#18 Endrin aldehyde

R.T.: 6.251 min  
Delta R.T.: -0.005 min  
Response: 468458486  
Conc: 48.20 ng/ml



#18 Endrin aldehyde

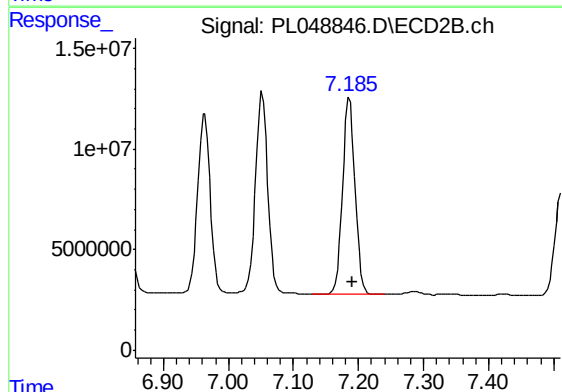
R.T.: 6.964 min  
Delta R.T.: -0.004 min  
Response: 117301720  
Conc: 50.05 ng/ml



#19 Endosulfan Sulfate

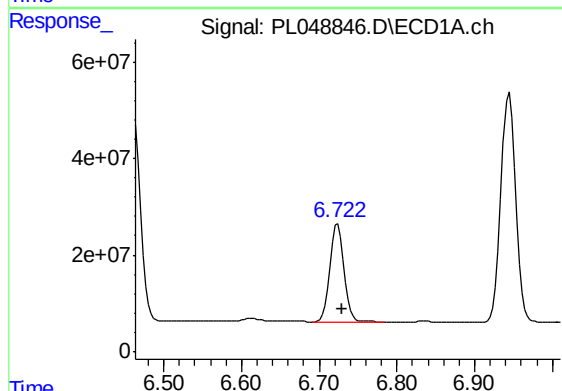
R.T.: 6.463 min  
Delta R.T.: -0.005 min  
Response: 515739776  
Conc: 48.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



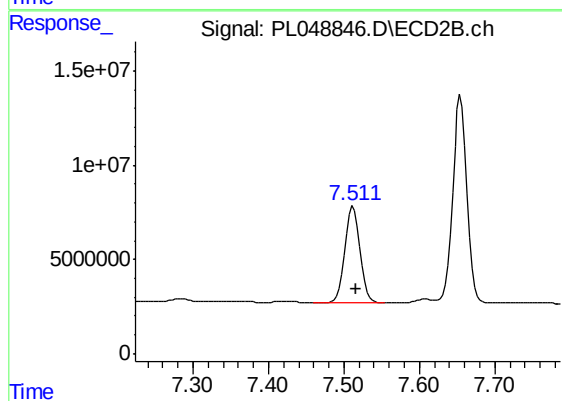
#19 Endosulfan Sulfate

R.T.: 7.186 min  
Delta R.T.: -0.004 min  
Response: 130447860  
Conc: 50.40 ng/ml



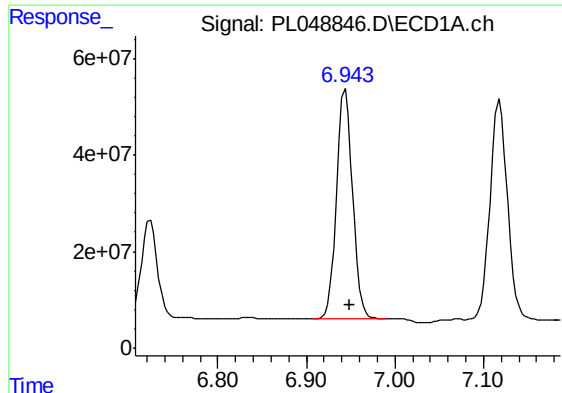
#20 Methoxychlor

R.T.: 6.724 min  
Delta R.T.: -0.005 min  
Response: 259040502  
Conc: 47.58 ng/ml



#20 Methoxychlor

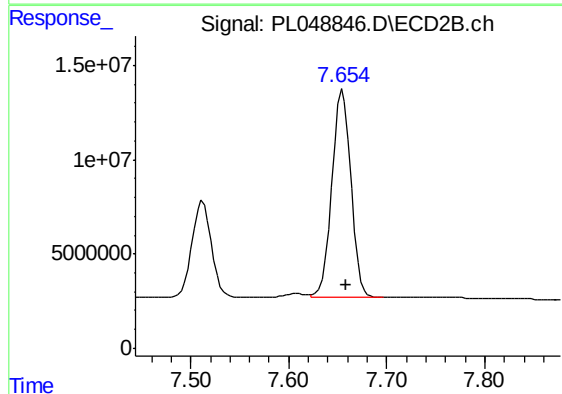
R.T.: 7.512 min  
Delta R.T.: -0.004 min  
Response: 69515873  
Conc: 50.92 ng/ml



#21 Endrin ketone

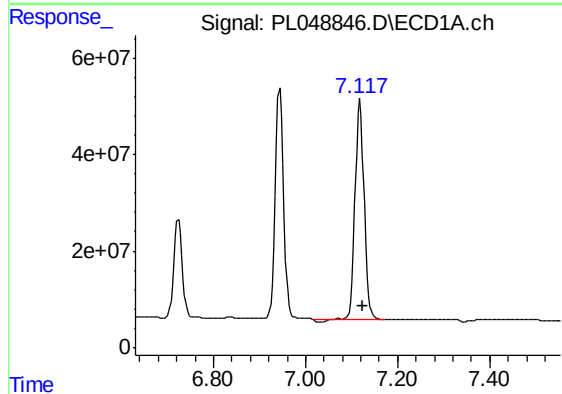
R.T.: 6.944 min  
Delta R.T.: -0.005 min  
Response: 599001168  
Conc: 51.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



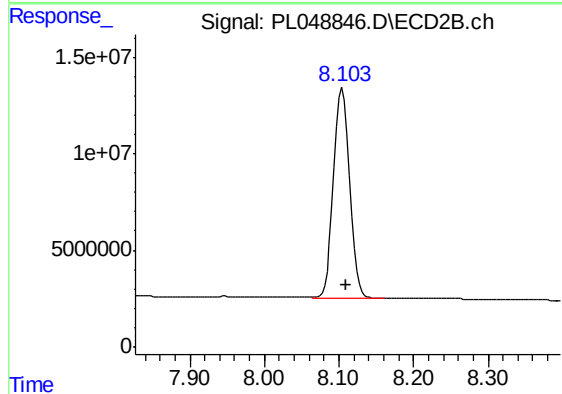
#21 Endrin ketone

R.T.: 7.655 min  
Delta R.T.: -0.003 min  
Response: 147773623  
Conc: 56.56 ng/ml



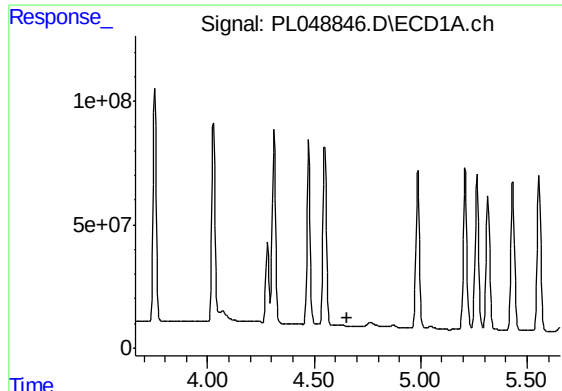
#22 Mirex

R.T.: 7.118 min  
Delta R.T.: -0.006 min  
Response: 616841970  
Conc: 68.81 ng/ml



#22 Mirex

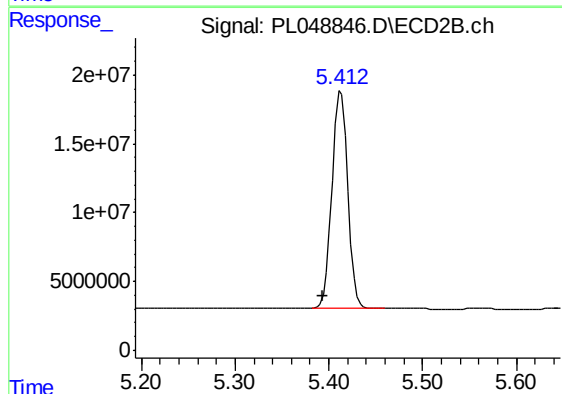
R.T.: 8.105 min  
Delta R.T.: -0.004 min  
Response: 162463503  
Conc: 77.04 ng/ml



#24 Chlordane-2

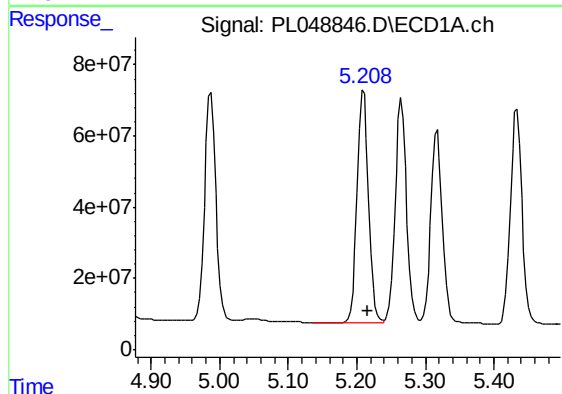
R.T.: 0.000 min  
Exp R.T.: 4.658 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



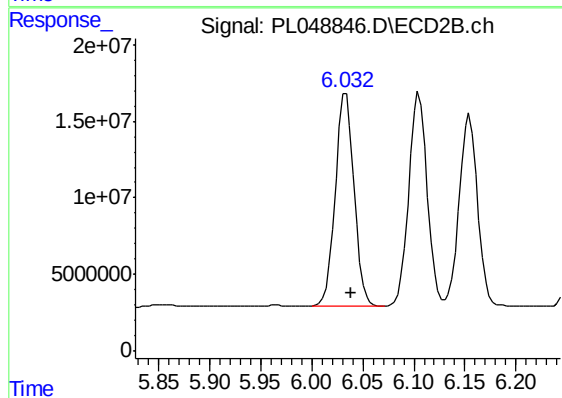
#24 Chlordane-2

R.T.: 5.413 min  
Delta R.T.: 0.019 min  
Response: 185801086  
Conc: 1436.55 ng/ml



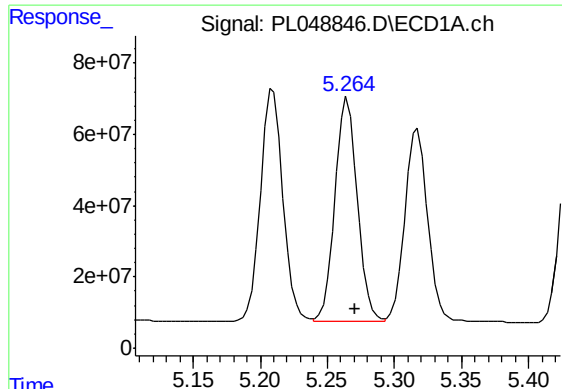
#25 Chlordane-3

R.T.: 5.210 min  
Delta R.T.: -0.006 min  
Response: 763520356  
Conc: 484.91 ng/ml



#25 Chlordane-3

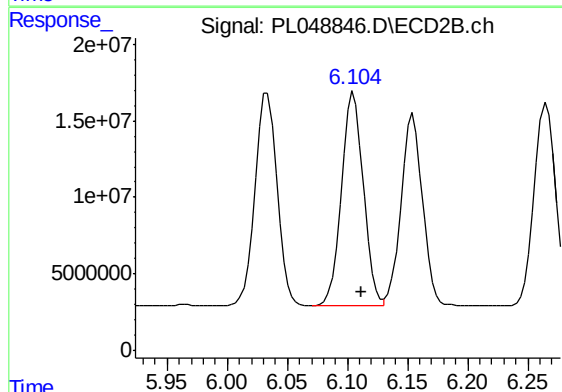
R.T.: 6.033 min  
Delta R.T.: -0.005 min  
Response: 175878204  
Conc: 401.34 ng/ml



#26 Chlordane-4

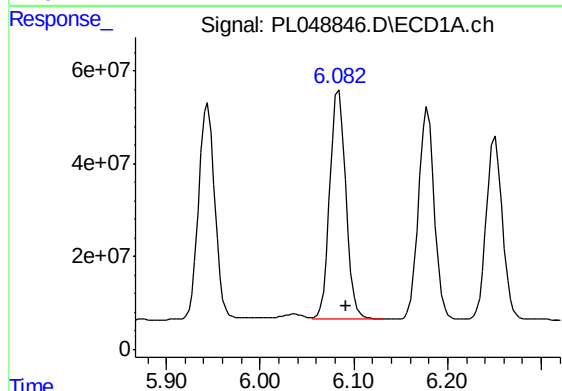
R.T.: 5.265 min  
Delta R.T.: -0.005 min  
Response: 728166373  
Conc: 501.55 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



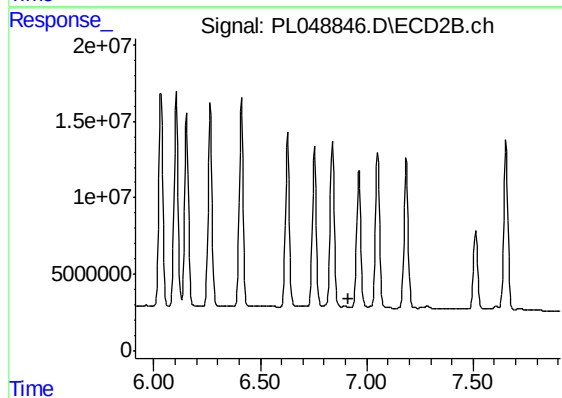
#26 Chlordane-4

R.T.: 6.105 min  
Delta R.T.: -0.006 min  
Response: 176649725  
Conc: 336.73 ng/ml



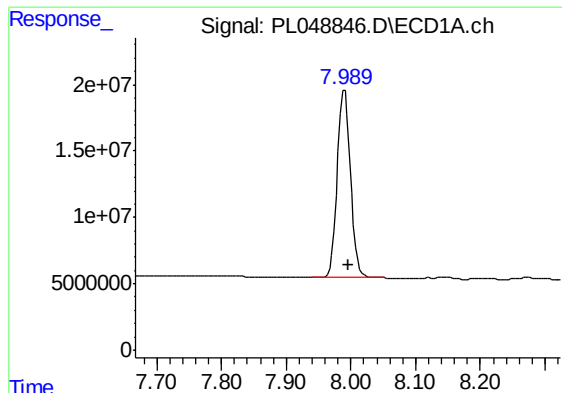
#27 Chlordane-5

R.T.: 6.084 min  
Delta R.T.: -0.007 min  
Response: 584975247  
Conc: 1245.80 ng/ml



#27 Chlordane-5

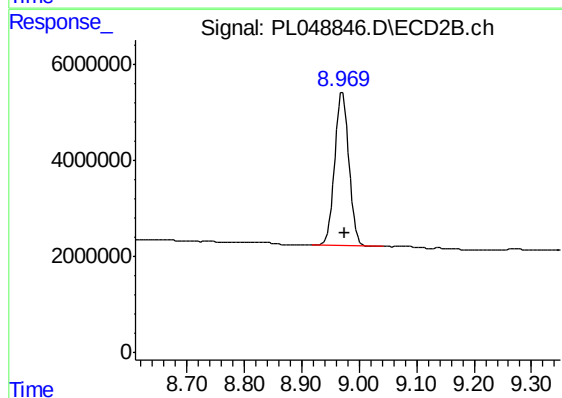
R.T.: 0.000 min  
Exp R.T. : 6.913 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 7.990 min  
Delta R.T.: -0.006 min  
Response: 199366587  
Conc: 19.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
SUP-2A-C-3-052019MS



#28 Decachlorobiphenyl

R.T.: 8.970 min  
Delta R.T.: -0.005 min  
Response: 54699513  
Conc: 20.61 ng/ml