

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101618\  
 Data File : PL041032.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 16 Oct 2018 13:21  
 Operator : AJ\SJ  
 Sample : J5164-09  
 Misc : ECD\_L MDL WATER 1 PPB  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 MDL-WATER-03-QT4-2018

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 17 01:52:17 2018  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL101118.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Oct 11 03:28:36 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml    |
|-----------------------------|-----------------|-------|-------|----------|----------|--------|----------|
| -----                       |                 |       |       |          |          |        |          |
| System Monitoring Compounds |                 |       |       |          |          |        |          |
| 1)                          | SA Tetrachlo... | 3.478 | 4.104 | 91736643 | 48574472 | 16.738 | 17.421   |
| 28)                         | SA Decachlor... | 8.227 | 9.233 | 92245003 | 43177569 | 17.741 | 16.698   |
| Target Compounds            |                 |       |       |          |          |        |          |
| 2)                          | A alpha-BHC     | 3.918 | 4.499 | 8032403  | 3097133  | 1.014  | 0.800    |
| 3)                          | MA gamma-BHC... | 4.203 | 4.788 | 5300177  | 3214974  | 0.726  | 0.903    |
| 4)                          | MA Heptachlor   | 4.500 | 5.303 | 6179145  | 3371436  | 0.839  | 0.996    |
| 5)                          | MB Aldrin       | 4.747 | 5.612 | 4822515  | 2715280  | 0.703  | 0.900 #  |
| 6)                          | B beta-BHC      | 4.454 | 4.956 | 3182751  | 3161413  | 1.003  | 1.973 #  |
| 7)                          | B delta-BHC     | 4.658 | 5.175 | 4981439  | 2332171  | 0.748  | 0.710    |
| 8)                          | B Heptachlor... | 5.192 | 6.000 | 5550620  | 3603333  | 0.846  | 1.256 #  |
| 9)                          | A Endosulfan I  | 5.530 | 6.359 | 5054351  | 2214078  | 0.844  | 0.864    |
| 10)                         | B gamma-Chl...  | 5.417 | 6.235 | 5330270  | 2424575  | 0.811  | 0.864    |
| 11)                         | B alpha-Chl...  | 5.475 | 6.308 | 5609278  | 2633875  | 0.862  | 0.949    |
| 12)                         | B 4,4'-DDE      | 5.641 | 6.462 | 4625348  | 2223137  | 0.814  | 0.840    |
| 13)                         | MA Dieldrin     | 5.773 | 6.618 | 5123345  | 2374003  | 0.810  | 0.892    |
| 14)                         | MA Endrin       | 6.030 | 6.837 | 5055040  | 1461118  | 0.880  | 0.655 #  |
| 15)                         | B Endosulfa...  | 6.304 | 7.046 | 5552263  | 2388104  | 0.991  | 1.005    |
| 16)                         | A 4,4'-DDD      | 6.157 | 6.953 | 3525593  | 2551687  | 0.781  | 1.218 #  |
| 17)                         | MA 4,4'-DDT     | 6.396 | 7.254 | 2736295  | 1622020  | 0.601  | 0.780 #  |
| 18)                         | B Endrin al...  | 6.472 | 7.170 | 3870986  | 1874577  | 0.923  | 0.945    |
| 19)                         | B Endosulfa...  | 6.685 | 7.393 | 5184537  | 2080129  | 1.019  | 0.931    |
| 20)                         | A Methoxychlor  | 6.945 | 0.000 | 2188596  | 0        | 0.841  | N.D. #   |
| 21)                         | B Endrin ke...  | 7.175 | 7.867 | 5187874  | 2344618  | 0.991  | 0.997    |
| 23)                         | Chlordane-1     | 0.000 | 5.175 | 0        | 2332171  | N.D.   | 18.882 # |
| 24)                         | Chlordane-2     | 0.000 | 5.612 | 0        | 2715280  | N.D.   | 21.956 # |
| 25)                         | Chlordane-3     | 5.417 | 6.235 | 5330270  | 2424575  | 6.964  | 6.014    |
| 26)                         | Chlordane-4     | 5.475 | 6.308 | 5609278  | 2633875  | 8.366  | 5.549 #  |
| 27)                         | Chlordane-5     | 6.304 | 7.170 | 5552263  | 1874577  | 25.620 | 21.186   |
| -----                       |                 |       |       |          |          |        |          |

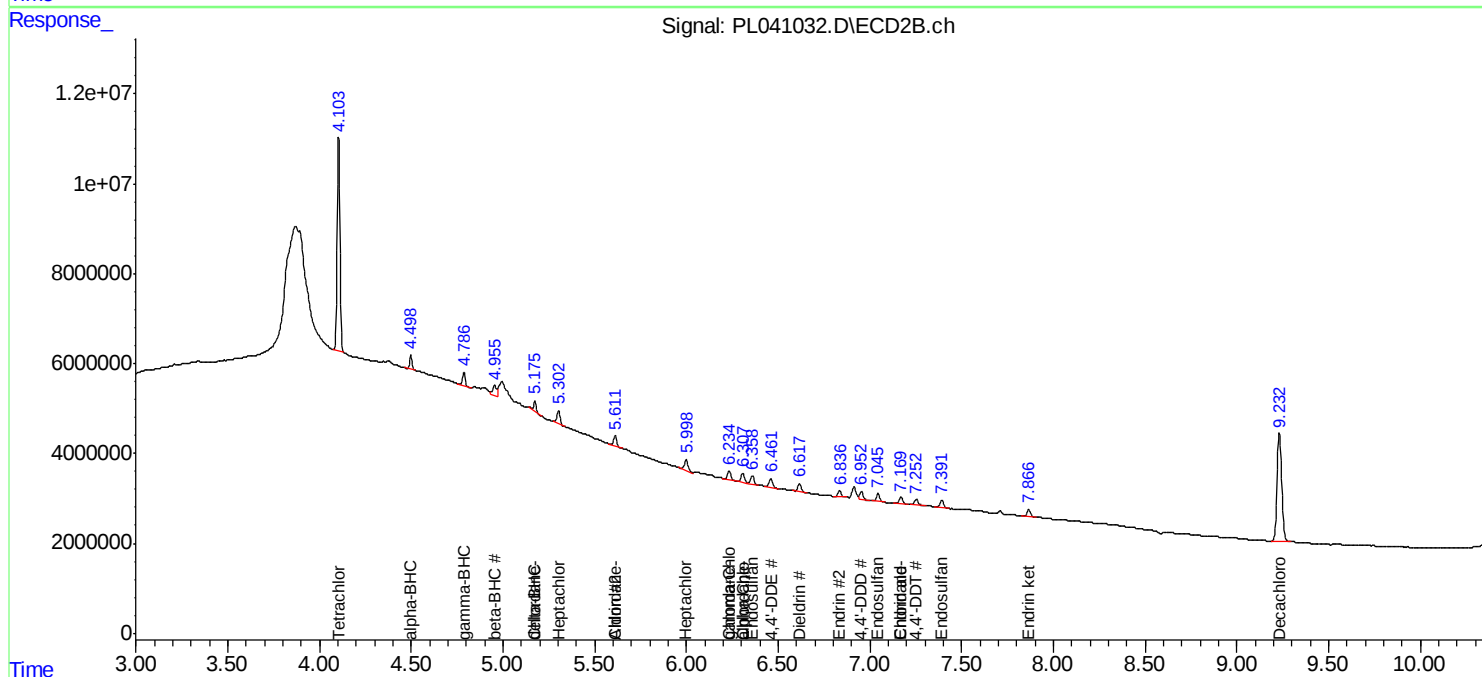
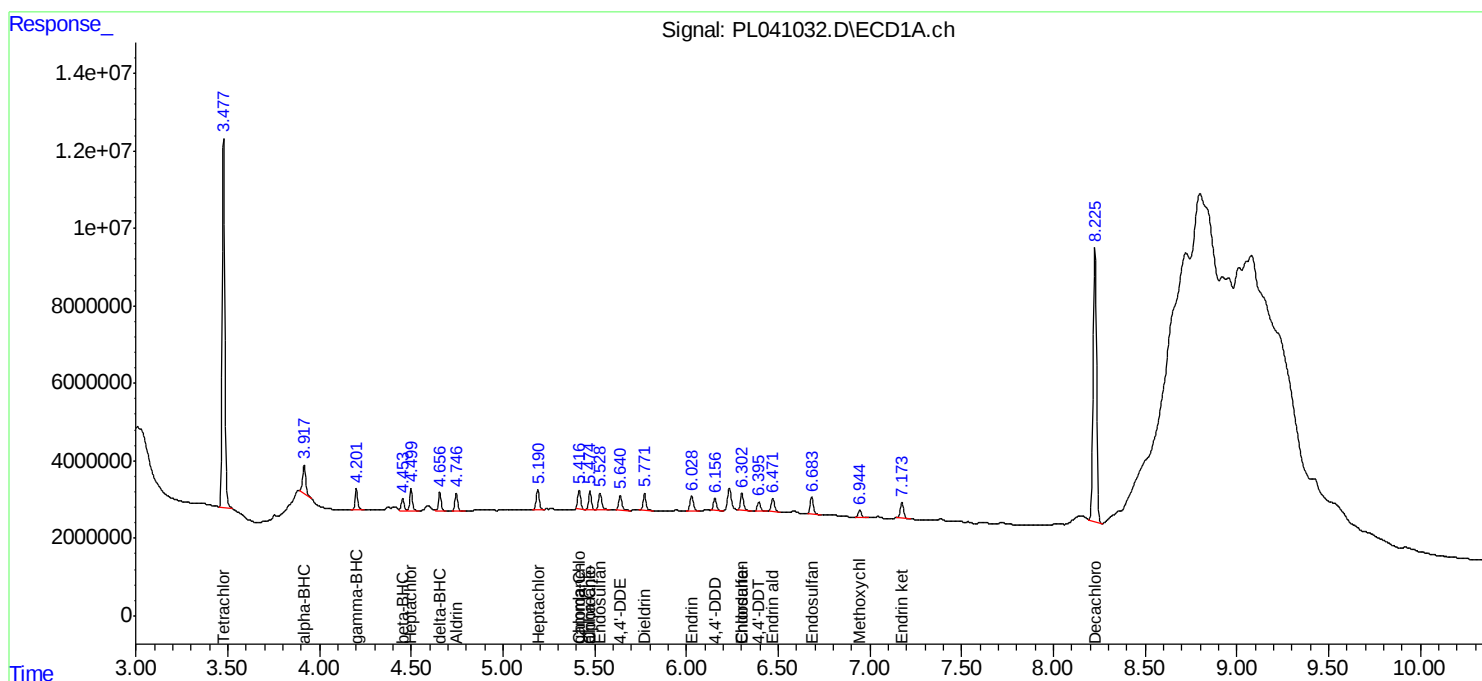
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

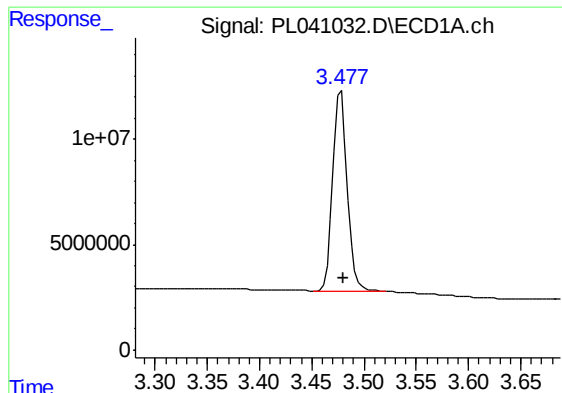
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL101618\  
Data File : PL041032.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 16 Oct 2018 13:21  
Operator : AJ\SJ  
Sample : J5164-09  
Misc : ECD\_L MDL WATER 1 PPB  
ALS Vial : 17 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 17 01:52:17 2018  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL101118.M  
Quant Title : GC Extractables  
QLast Update : Thu Oct 11 03:28:36 2018  
Response via : Initial Calibration  
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Volume Inj. : 2 µl  
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

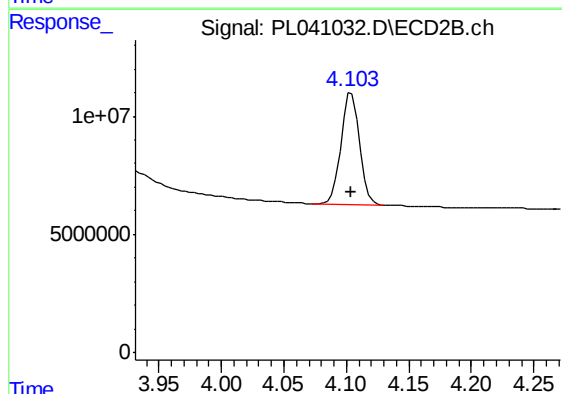




#1 Tetrachloro-m-xylene

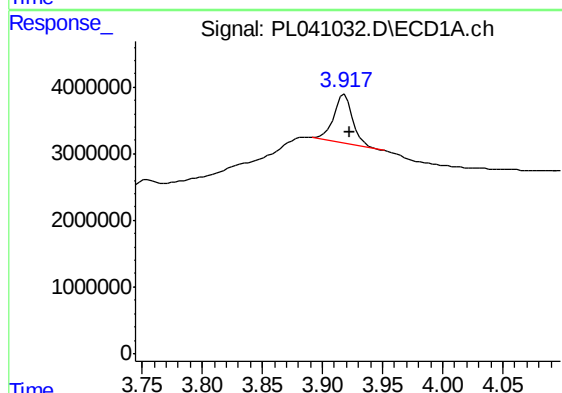
R.T.: 3.478 min  
Delta R.T.: -0.002 min  
Response: 91736643  
Conc: 16.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



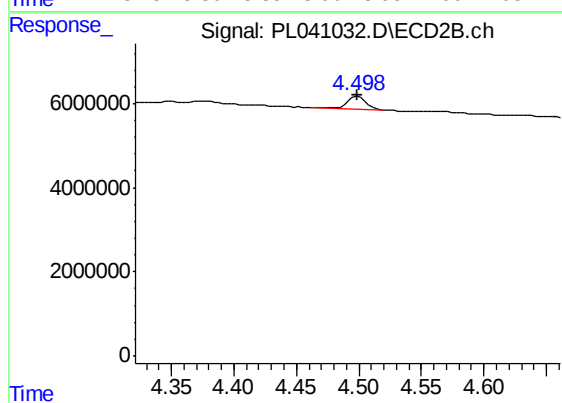
#1 Tetrachloro-m-xylene

R.T.: 4.104 min  
Delta R.T.: 0.000 min  
Response: 48574472  
Conc: 17.42 ng/ml



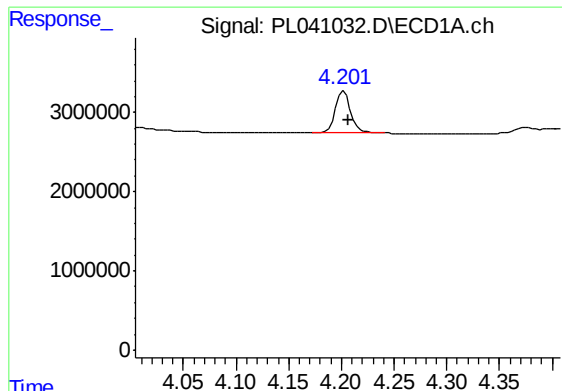
#2 alpha-BHC

R.T.: 3.918 min  
Delta R.T.: -0.004 min  
Response: 8032403  
Conc: 1.01 ng/ml



#2 alpha-BHC

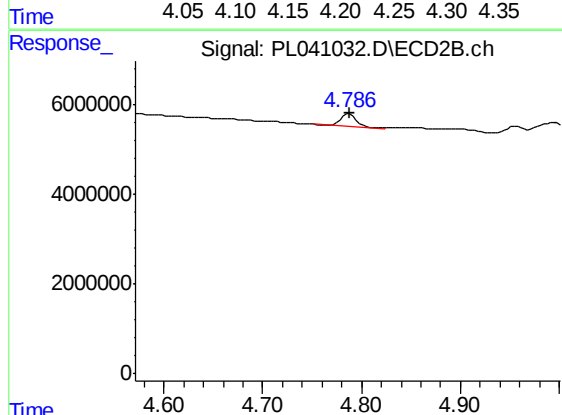
R.T.: 4.499 min  
Delta R.T.: 0.000 min  
Response: 3097133  
Conc: 0.80 ng/ml



#3 gamma-BHC (Lindane)

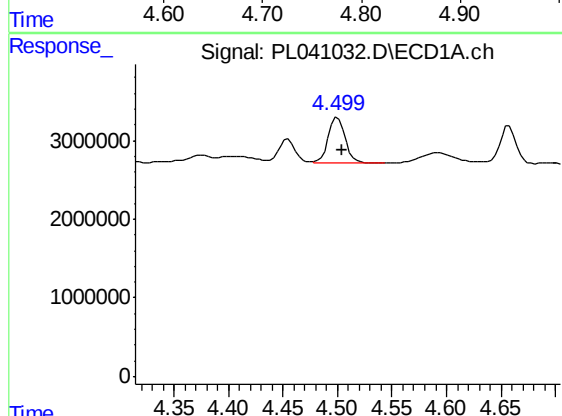
R.T.: 4.203 min  
Delta R.T.: -0.004 min  
Response: 5300177  
Conc: 0.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



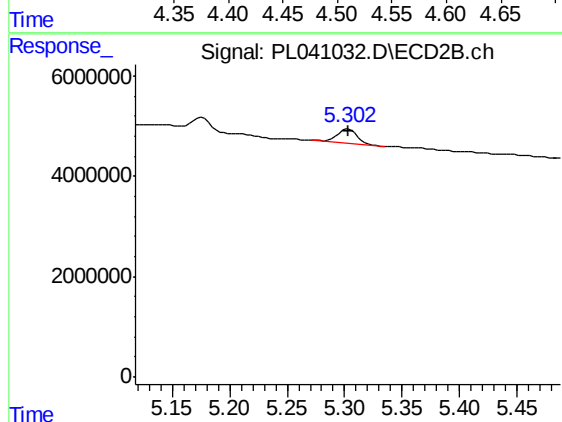
#3 gamma-BHC (Lindane)

R.T.: 4.788 min  
Delta R.T.: 0.000 min  
Response: 3214974  
Conc: 0.90 ng/ml



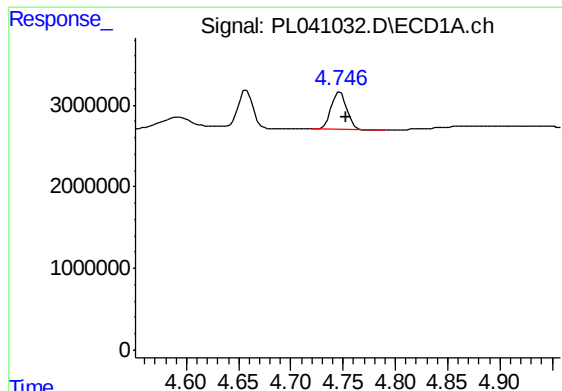
#4 Heptachlor

R.T.: 4.500 min  
Delta R.T.: -0.005 min  
Response: 6179145  
Conc: 0.84 ng/ml



#4 Heptachlor

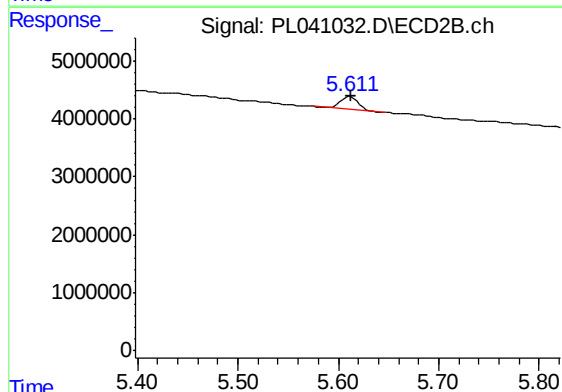
R.T.: 5.303 min  
Delta R.T.: 0.000 min  
Response: 3371436  
Conc: 1.00 ng/ml



#5 Aldrin

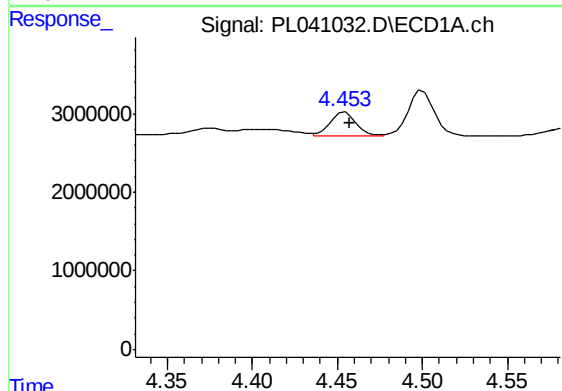
R.T.: 4.747 min  
Delta R.T.: -0.005 min  
Response: 4822515  
Conc: 0.70 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



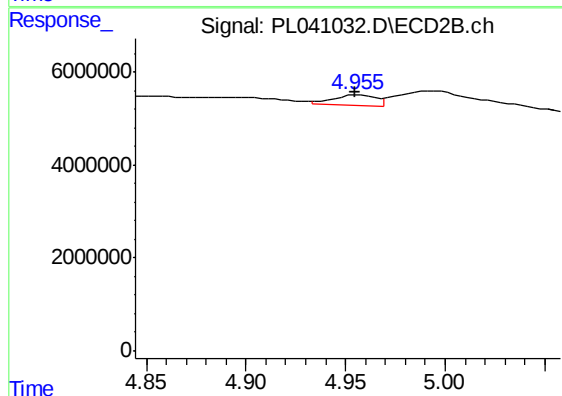
#5 Aldrin

R.T.: 5.612 min  
Delta R.T.: 0.000 min  
Response: 2715280  
Conc: 0.90 ng/ml



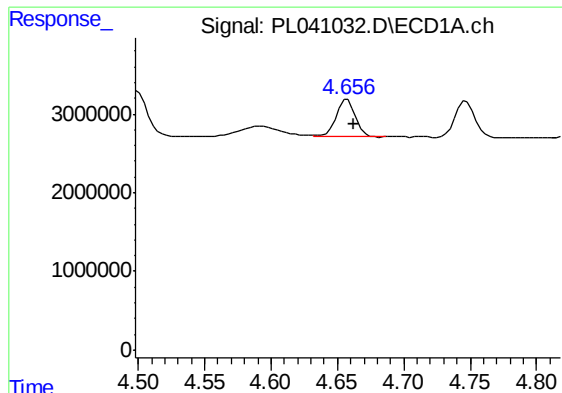
#6 beta-BHC

R.T.: 4.454 min  
Delta R.T.: -0.003 min  
Response: 3182751  
Conc: 1.00 ng/ml



#6 beta-BHC

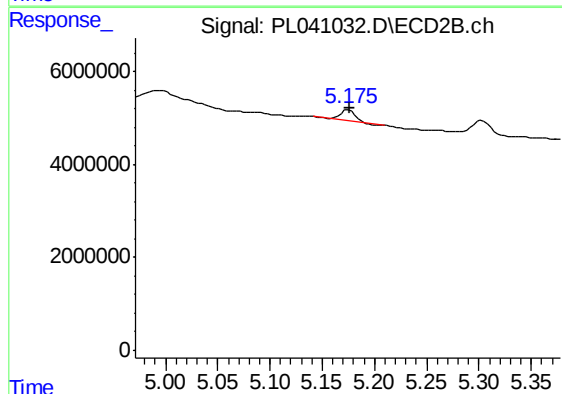
R.T.: 4.956 min  
Delta R.T.: 0.000 min  
Response: 3161413  
Conc: 1.97 ng/ml



#7 delta-BHC

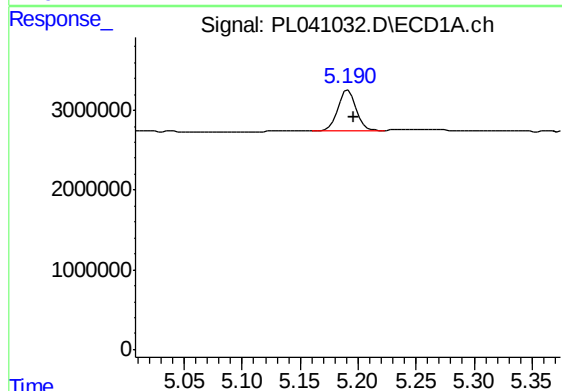
R.T.: 4.658 min  
Delta R.T.: -0.004 min  
Response: 4981439  
Conc: 0.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



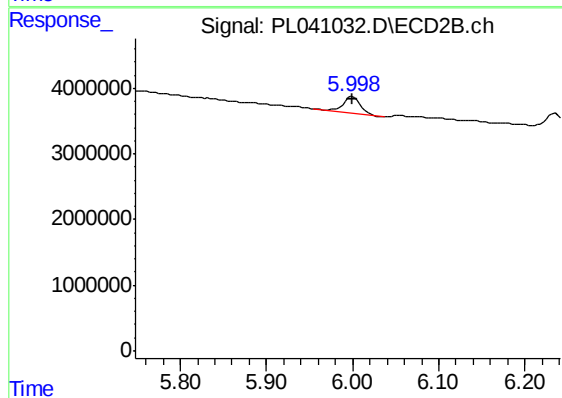
#7 delta-BHC

R.T.: 5.175 min  
Delta R.T.: -0.001 min  
Response: 2332171  
Conc: 0.71 ng/ml



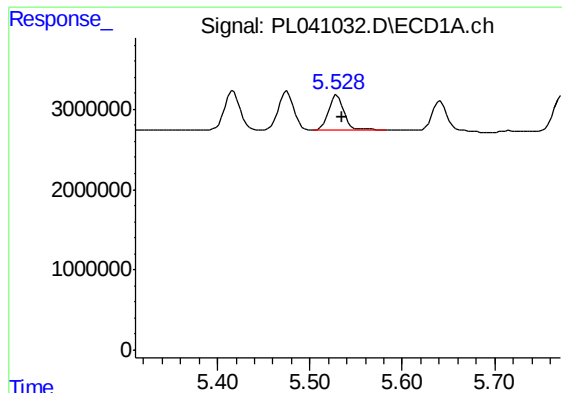
#8 Heptachlor epoxide

R.T.: 5.192 min  
Delta R.T.: -0.005 min  
Response: 5550620  
Conc: 0.85 ng/ml



#8 Heptachlor epoxide

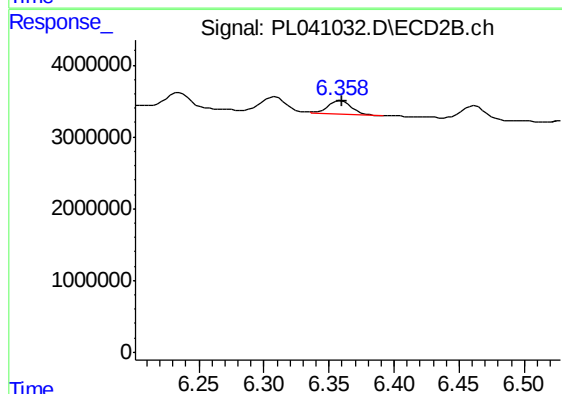
R.T.: 6.000 min  
Delta R.T.: 0.000 min  
Response: 3603333  
Conc: 1.26 ng/ml



#9 Endosulfan I

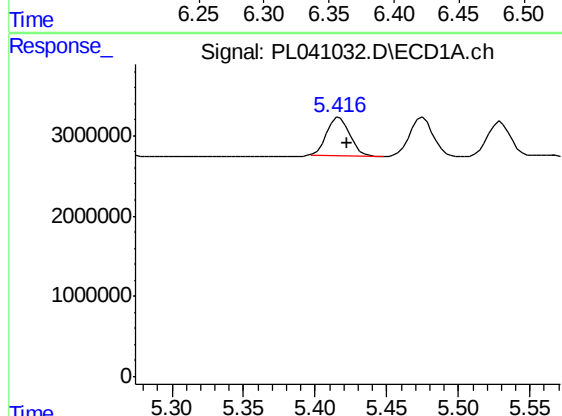
R.T.: 5.530 min  
Delta R.T.: -0.005 min  
Response: 5054351  
Conc: 0.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



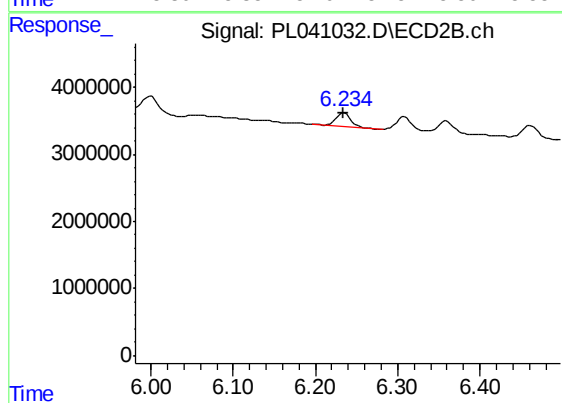
#9 Endosulfan I

R.T.: 6.359 min  
Delta R.T.: -0.001 min  
Response: 2214078  
Conc: 0.86 ng/ml



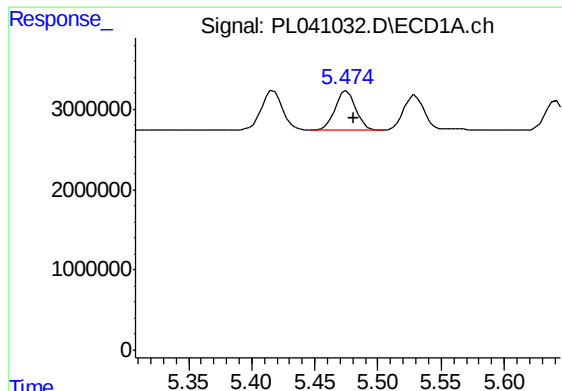
#10 gamma-Chlordane

R.T.: 5.417 min  
Delta R.T.: -0.005 min  
Response: 5330270  
Conc: 0.81 ng/ml



#10 gamma-Chlordane

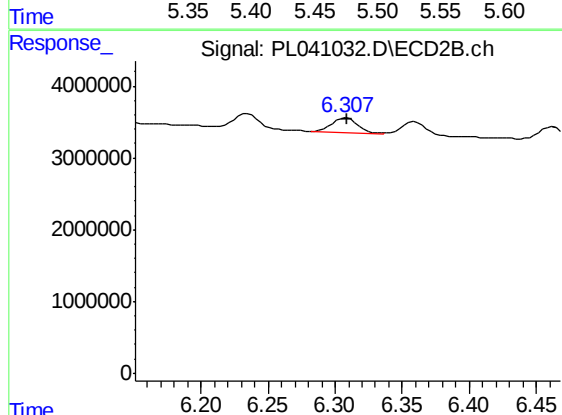
R.T.: 6.235 min  
Delta R.T.: 0.000 min  
Response: 2424575  
Conc: 0.86 ng/ml



#11 alpha-Chlordane

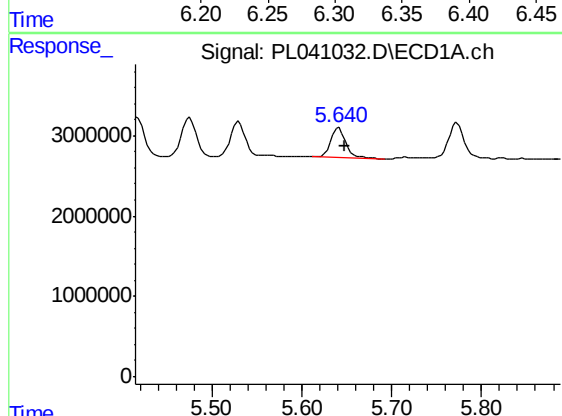
R.T.: 5.475 min  
Delta R.T.: -0.005 min  
Response: 5609278  
Conc: 0.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



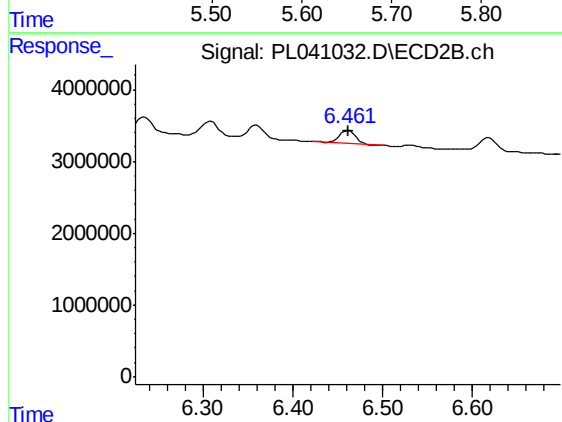
#11 alpha-Chlordane

R.T.: 6.308 min  
Delta R.T.: 0.000 min  
Response: 2633875  
Conc: 0.95 ng/ml



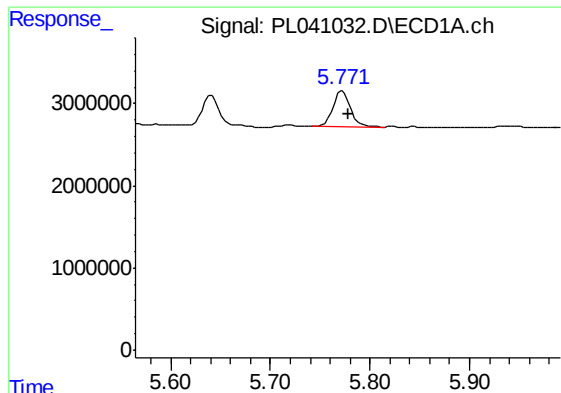
#12 4,4'-DDE

R.T.: 5.641 min  
Delta R.T.: -0.006 min  
Response: 4625348  
Conc: 0.81 ng/ml



#12 4,4'-DDE

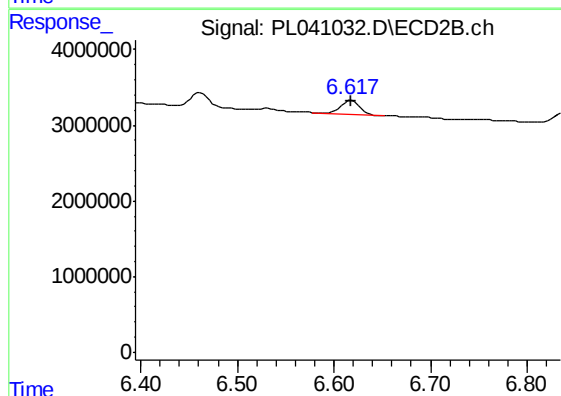
R.T.: 6.462 min  
Delta R.T.: 0.000 min  
Response: 2223137  
Conc: 0.84 ng/ml



#13 Dielddrin

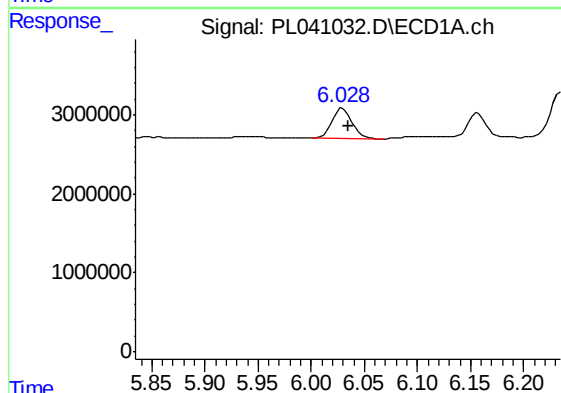
R.T.: 5.773 min  
Delta R.T.: -0.006 min  
Response: 5123345  
Conc: 0.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



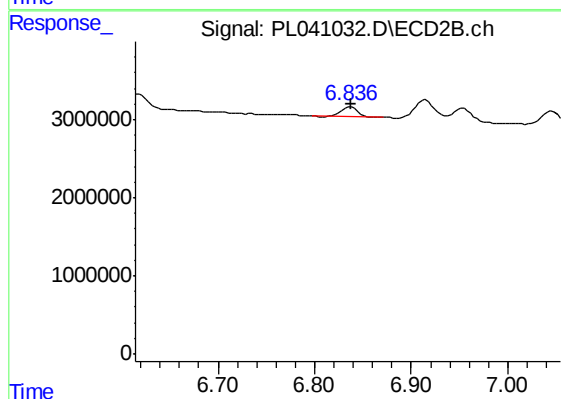
#13 Dielddrin

R.T.: 6.618 min  
Delta R.T.: 0.000 min  
Response: 2374003  
Conc: 0.89 ng/ml



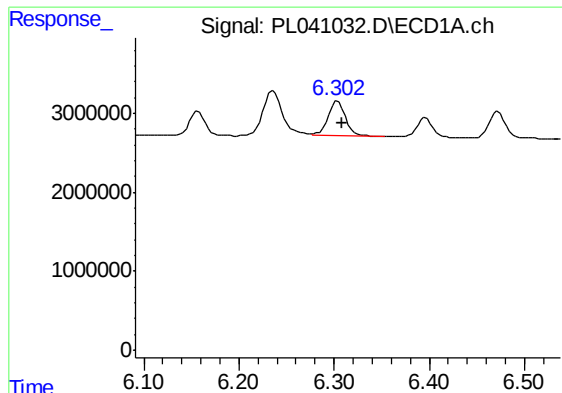
#14 Endrin

R.T.: 6.030 min  
Delta R.T.: -0.005 min  
Response: 5055040  
Conc: 0.88 ng/ml



#14 Endrin

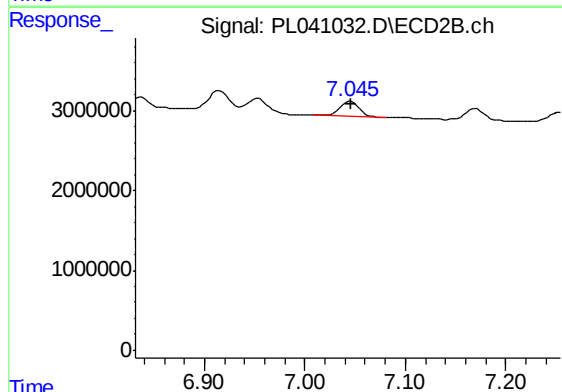
R.T.: 6.837 min  
Delta R.T.: -0.001 min  
Response: 1461118  
Conc: 0.65 ng/ml



#15 Endosulfan II

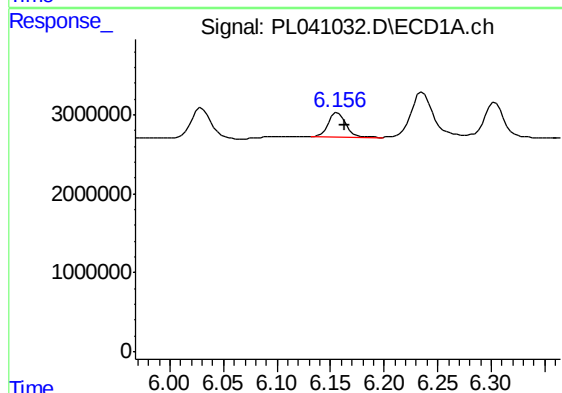
R.T.: 6.304 min  
Delta R.T.: -0.005 min  
Response: 5552263  
Conc: 0.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



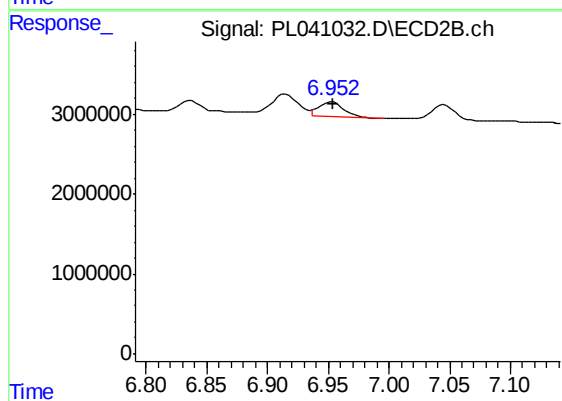
#15 Endosulfan II

R.T.: 7.046 min  
Delta R.T.: 0.000 min  
Response: 2388104  
Conc: 1.01 ng/ml



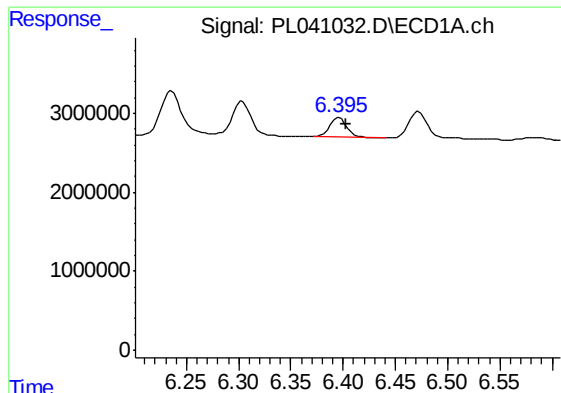
#16 4,4'-DDD

R.T.: 6.157 min  
Delta R.T.: -0.006 min  
Response: 3525593  
Conc: 0.78 ng/ml



#16 4,4'-DDD

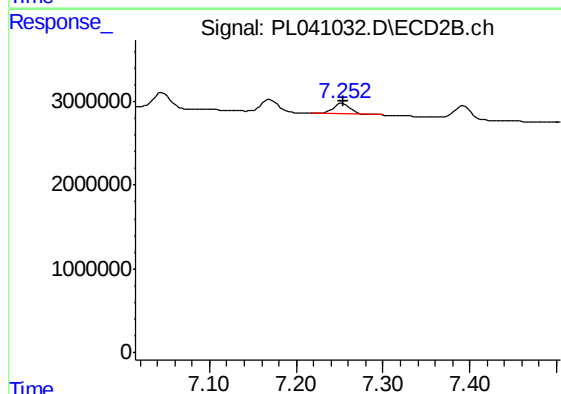
R.T.: 6.953 min  
Delta R.T.: 0.000 min  
Response: 2551687  
Conc: 1.22 ng/ml



#17 4,4'-DDT

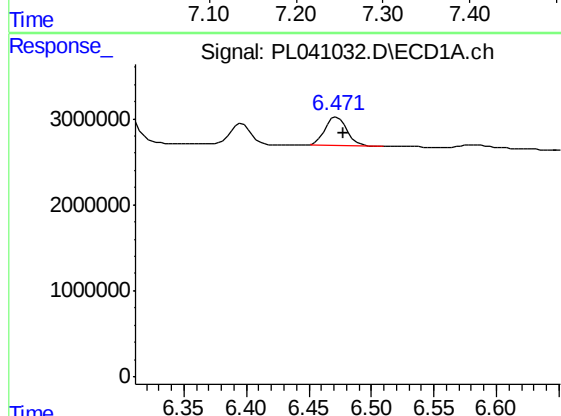
R.T.: 6.396 min  
Delta R.T.: -0.006 min  
Response: 2736295  
Conc: 0.60 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



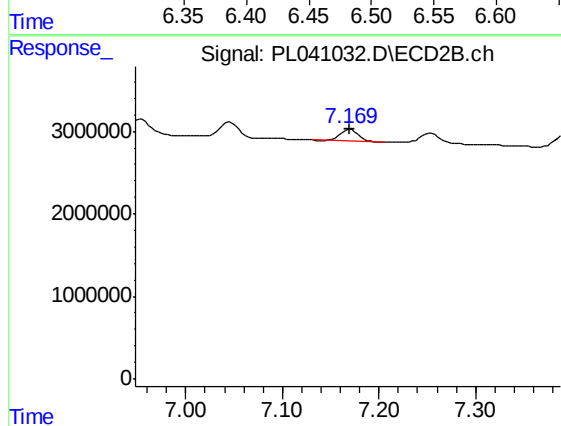
#17 4,4'-DDT

R.T.: 7.254 min  
Delta R.T.: 0.000 min  
Response: 1622020  
Conc: 0.78 ng/ml



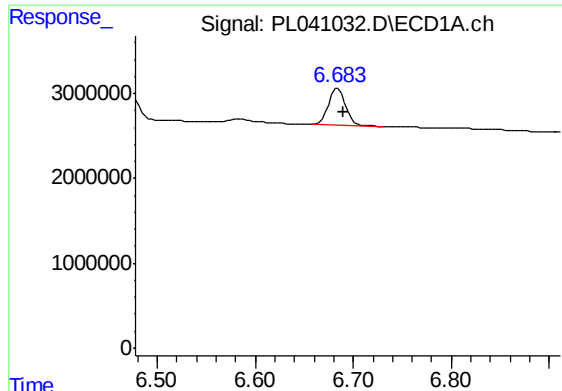
#18 Endrin aldehyde

R.T.: 6.472 min  
Delta R.T.: -0.005 min  
Response: 3870986  
Conc: 0.92 ng/ml



#18 Endrin aldehyde

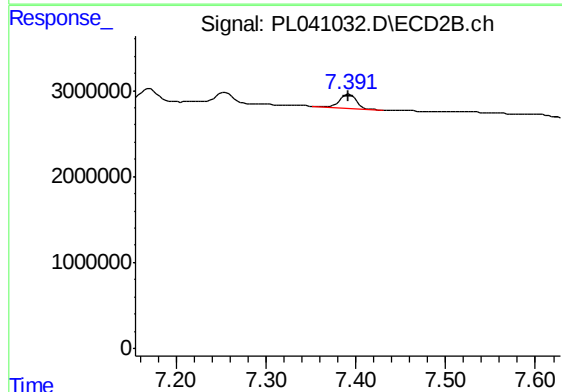
R.T.: 7.170 min  
Delta R.T.: 0.001 min  
Response: 1874577  
Conc: 0.94 ng/ml



#19 Endosulfan Sulfate

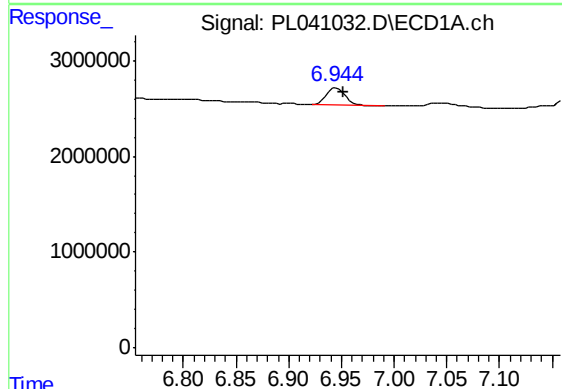
R.T.: 6.685 min  
Delta R.T.: -0.006 min  
Response: 5184537  
Conc: 1.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



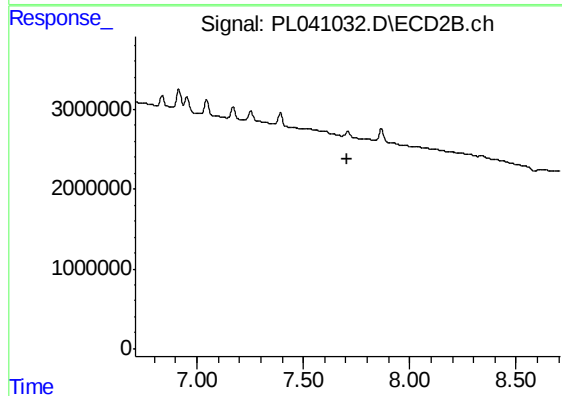
#19 Endosulfan Sulfate

R.T.: 7.393 min  
Delta R.T.: 0.000 min  
Response: 2080129  
Conc: 0.93 ng/ml



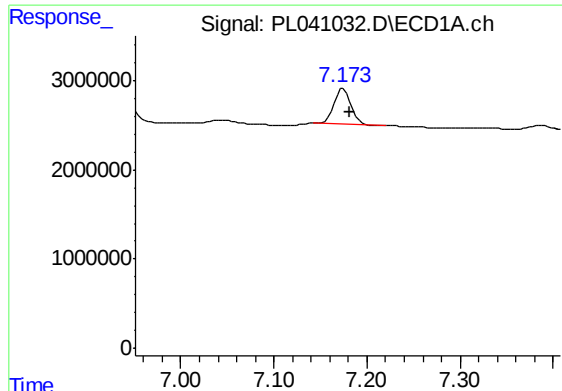
#20 Methoxychlor

R.T.: 6.945 min  
Delta R.T.: -0.007 min  
Response: 2188596  
Conc: 0.84 ng/ml



#20 Methoxychlor

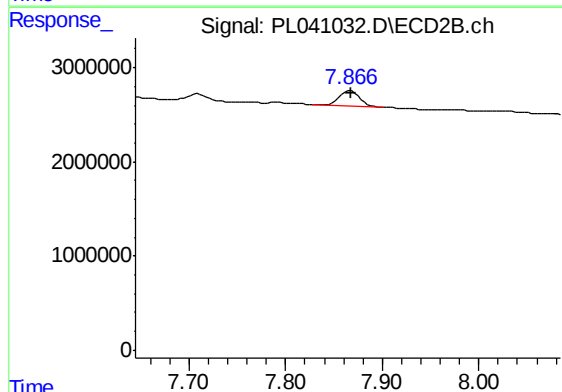
R.T.: 0.000 min  
Exp R.T. : 7.709 min  
Response: 0  
Conc: N.D.



#21 Endrin ketone

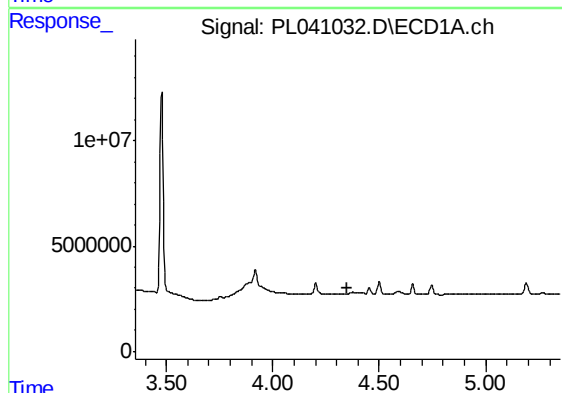
R.T.: 7.175 min  
Delta R.T.: -0.007 min  
Response: 5187874  
Conc: 0.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



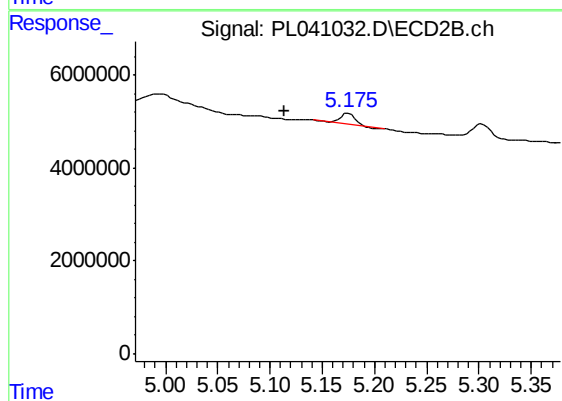
#21 Endrin ketone

R.T.: 7.867 min  
Delta R.T.: 0.000 min  
Response: 2344618  
Conc: 1.00 ng/ml



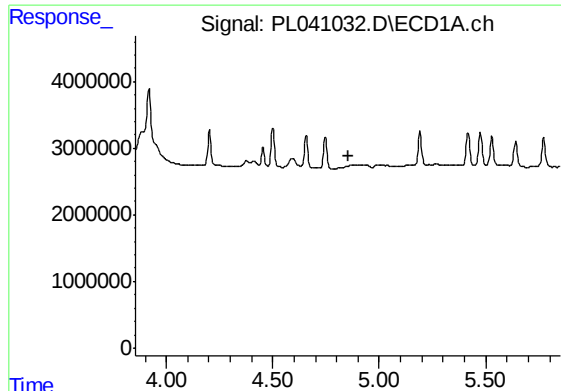
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 4.353 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

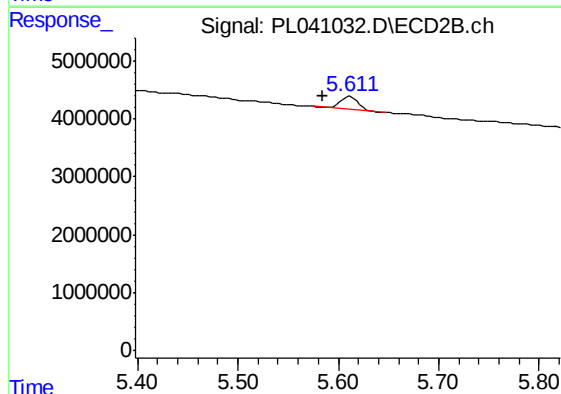
R.T.: 5.175 min  
Delta R.T.: 0.062 min  
Response: 2332171  
Conc: 18.88 ng/ml



#24 Chlordane-2

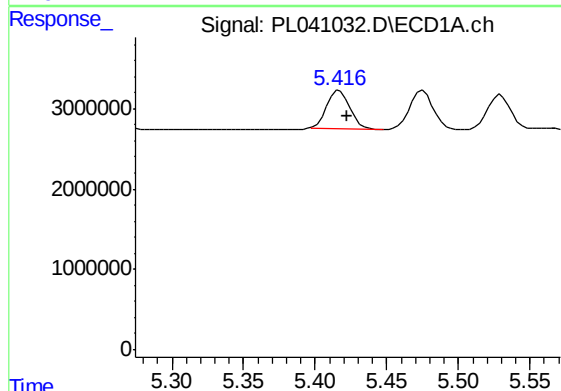
R.T.: 0.000 min  
Exp R.T.: 4.854 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



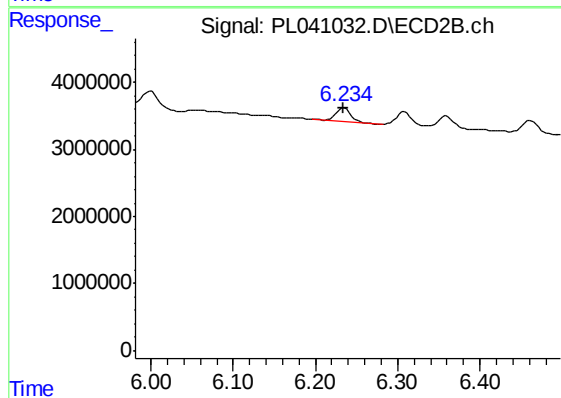
#24 Chlordane-2

R.T.: 5.612 min  
Delta R.T.: 0.028 min  
Response: 2715280  
Conc: 21.96 ng/ml



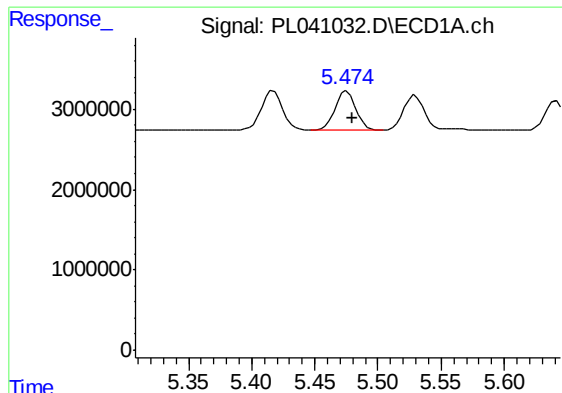
#25 Chlordane-3

R.T.: 5.417 min  
Delta R.T.: -0.005 min  
Response: 5330270  
Conc: 6.96 ng/ml



#25 Chlordane-3

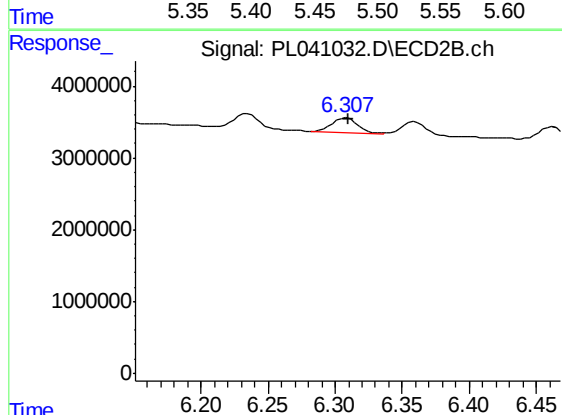
R.T.: 6.235 min  
Delta R.T.: 0.000 min  
Response: 2424575  
Conc: 6.01 ng/ml



#26 Chlordane-4

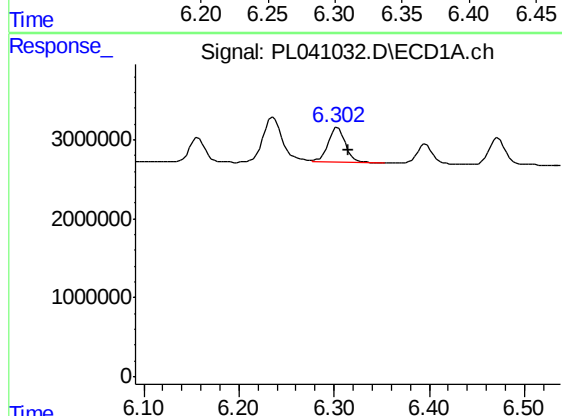
R.T.: 5.475 min  
Delta R.T.: -0.005 min  
Response: 5609278  
Conc: 8.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



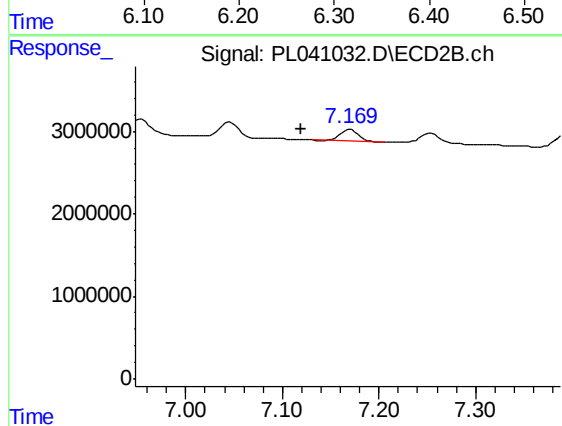
#26 Chlordane-4

R.T.: 6.308 min  
Delta R.T.: -0.001 min  
Response: 2633875  
Conc: 5.55 ng/ml



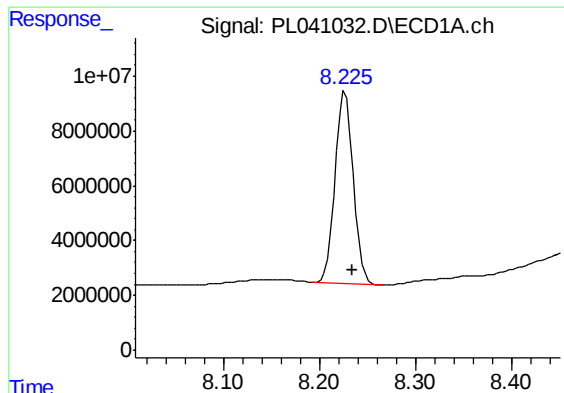
#27 Chlordane-5

R.T.: 6.304 min  
Delta R.T.: -0.012 min  
Response: 5552263  
Conc: 25.62 ng/ml



#27 Chlordane-5

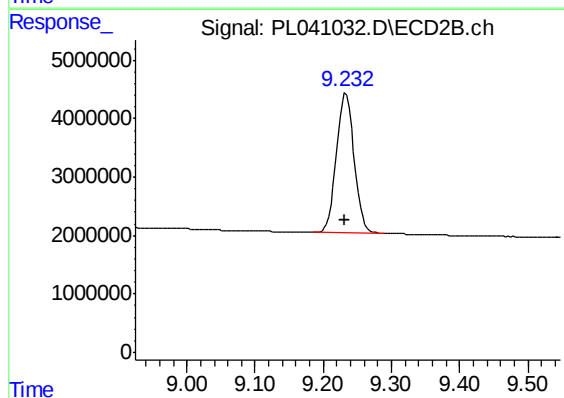
R.T.: 7.170 min  
Delta R.T.: 0.051 min  
Response: 1874577  
Conc: 21.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.227 min  
Delta R.T.: -0.008 min  
Response: 92245003  
Conc: 17.74 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
MDL-WATER-03-QT4-2018



#28 Decachlorobiphenyl

R.T.: 9.233 min  
Delta R.T.: 0.002 min  
Response: 43177569  
Conc: 16.70 ng/ml