

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042224\  
 Data File : PL089117.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 22 Apr 2024 16:01  
 Operator : AR\AJ  
 Sample : P2178-05  
 Misc :  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 TOPSOIL-LKWD-DENALI-6

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 23 04:33:15 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL041524.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Apr 15 18:43:22 2024  
 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... | 3.551  | 2.798  | 24306318 | 14363341 | 11.436 | 10.776   |
| 28)                         | SA Decachlor... | 9.064  | 7.950  | 10116241 | 9663215  | 7.942  | 7.216    |
| Target Compounds            |                 |        |        |          |          |        |          |
| 2)                          | A alpha-BHC     | 0.000  | 3.300  | 0        | 487585   | N.D.   | 0.246 #  |
| 3)                          | MA gamma-BHC... | 4.354f | 3.651f | 132894   | 268991   | 0.046  | 0.140 #  |
| 4)                          | MA Heptachlor   | 4.921  | 4.005f | 132261   | 673618   | 0.053  | 0.375 #  |
| 5)                          | MB Aldrin       | 5.298f | 4.257  | 1151259  | 119812   | 0.444  | 0.065 #  |
| 6)                          | B beta-BHC      | 4.547  | 0.000  | 450715   | 0        | 0.336  | N.D. #   |
| 7)                          | B delta-BHC     | 4.779  | 4.161  | 759996   | 44380    | 0.284  | 0.024 #  |
| 8)                          | B Heptachlo...  | 5.685  | 4.760  | 2462043  | 237027   | 1.043  | 0.143 #  |
| 9)                          | A Endosulfan I  | 6.078  | 0.000  | 856150   | 0        | 0.392  | N.D. #   |
| 10)                         | B gamma-Chl...  | 5.951  | 5.035f | 4685248  | 2320824  | 2.038  | 1.415 #  |
| 11)                         | B alpha-Chl...  | 6.034  | 5.074  | 6876379  | 1416529  | 3.004  | 0.857 #  |
| 12)                         | B 4,4'-DDE      | 6.202  | 5.263  | 6100794  | 2892107  | 3.036  | 1.967 #  |
| 13)                         | MA Dieldrin     | 6.352  | 5.398  | 421000   | 271359   | 0.187  | 0.166    |
| 14)                         | MA Endrin       | 6.586  | 5.681  | 221025   | 307734   | 0.118  | 0.212 #  |
| 15)                         | B Endosulfa...  | 6.801  | 5.968  | 55850    | 434468   | 0.029  | 0.304 #  |
| 16)                         | A 4,4'-DDD      | 6.728  | 5.819  | 845332   | 86797    | 0.524  | 0.072 #  |
| 17)                         | MA 4,4'-DDT     | 7.031  | 6.068  | 4052289  | 1429506  | 2.224  | 1.091 #  |
| 18)                         | B Endrin al...  | 0.000  | 6.166f | 0        | 206271   | N.D.   | 0.188 #  |
| 19)                         | B Endosulfa...  | 7.175  | 6.366  | 23373    | 282324   | 0.014  | 0.209 #  |
| 20)                         | A Methoxychlor  | 0.000  | 6.621f | 0        | 522968   | N.D.   | 0.700 #  |
| 21)                         | B Endrin ke...  | 7.626f | 6.868  | 1202766  | 40420    | 0.624  | 0.026 #  |
| 22)                         | Mirex           | 8.098f | 0.000  | 741245   | 0        | 0.505  | N.D. #   |
| 23)                         | Chlordane-1     | 4.712  | 3.801  | 2016399  | 611490   | 22.197 | 11.912 # |
| 24)                         | Chlordane-2     | 5.237  | 4.382  | 3322691  | 404166   | 35.176 | 6.223 #  |
| 25)                         | Chlordane-3     | 5.951  | 5.035f | 4685248  | 2320824  | 14.537 | 13.438   |
| 26)                         | Chlordane-4     | 6.034  | 5.074  | 6876379  | 1416529  | 17.394 | 8.734 #  |
| 27)                         | Chlordane-5     | 6.855f | 5.740  | 28642    | 518040   | 0.378  | 10.276 # |
| -----                       |                 |        |        |          |          |        |          |

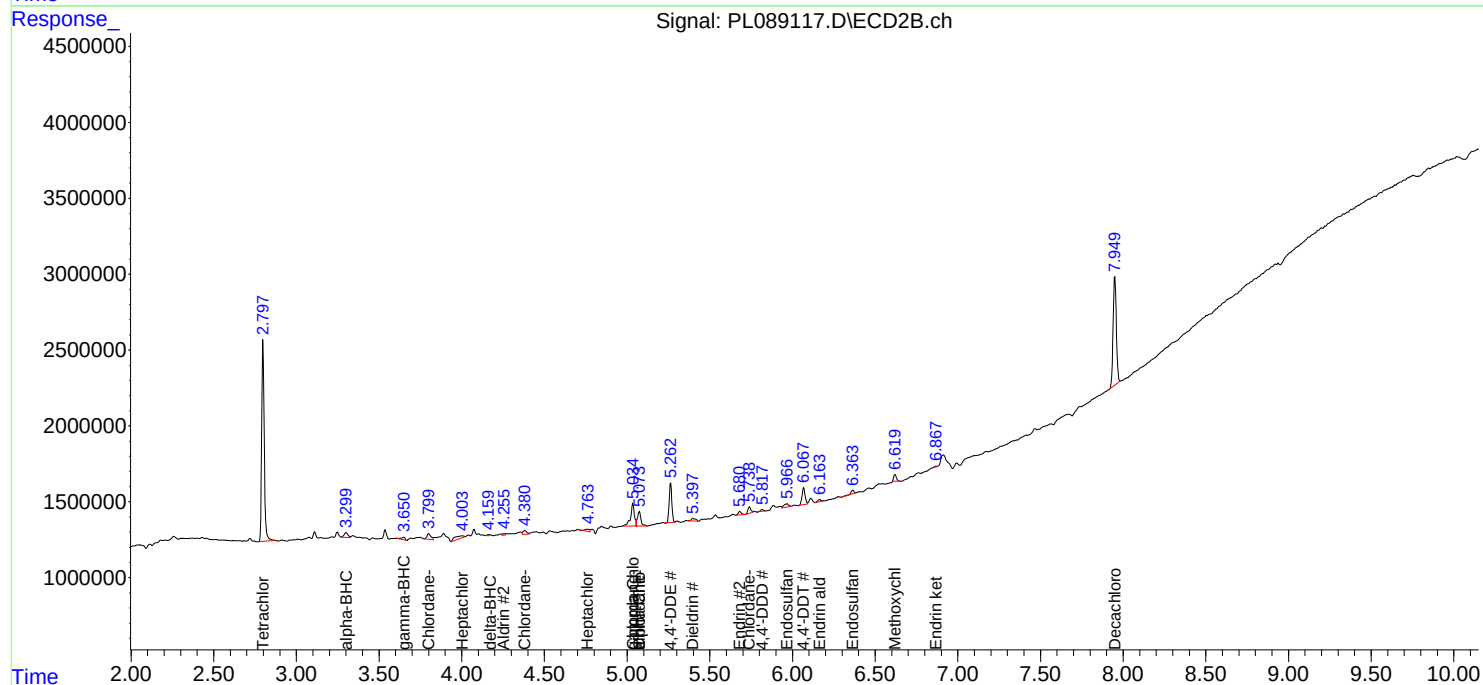
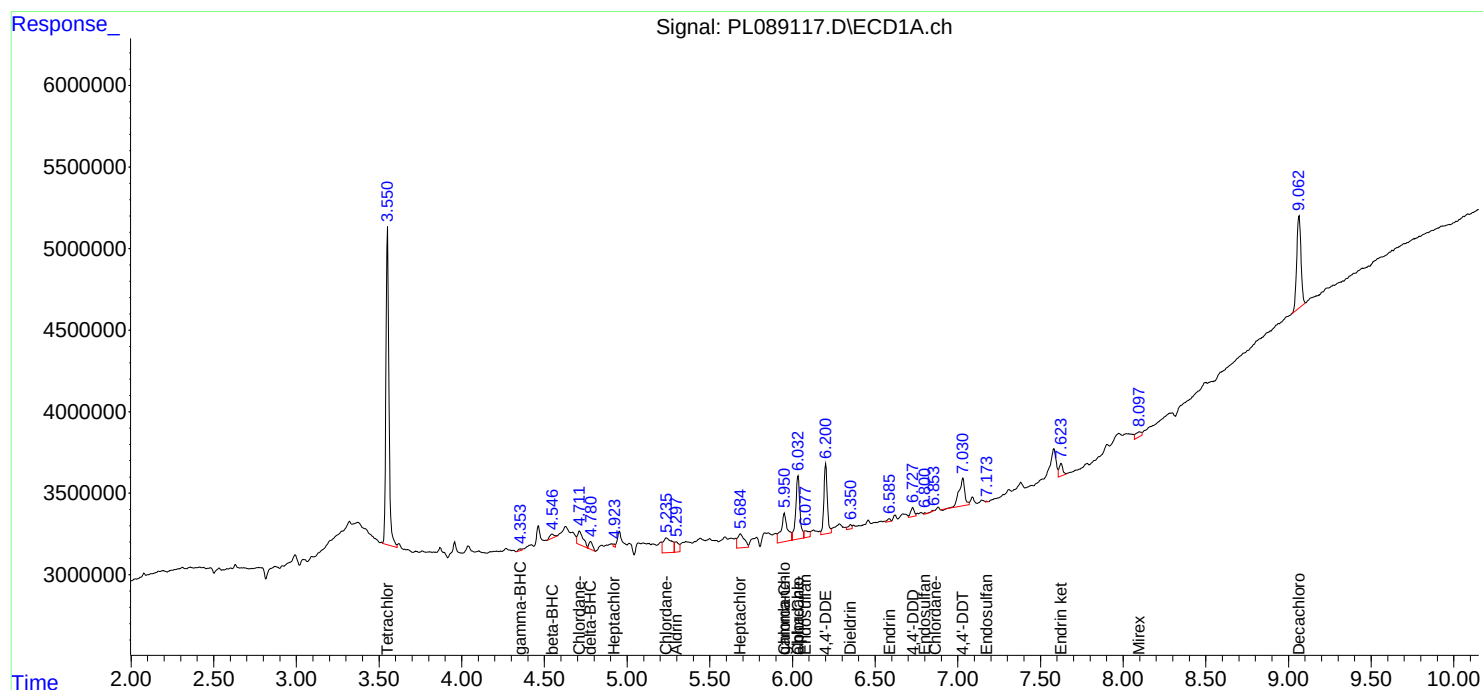
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

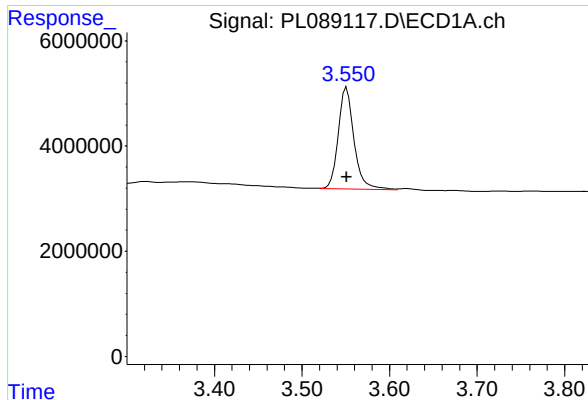
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042224\  
Data File : PL089117.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 22 Apr 2024 16:01  
Operator : AR\AJ  
Sample : P2178-05  
Misc :  
ALS Vial : 14 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 23 04:33:15 2024  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL041524.M  
Quant Title : GC Extractables  
QLast Update : Mon Apr 15 18:43:22 2024  
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

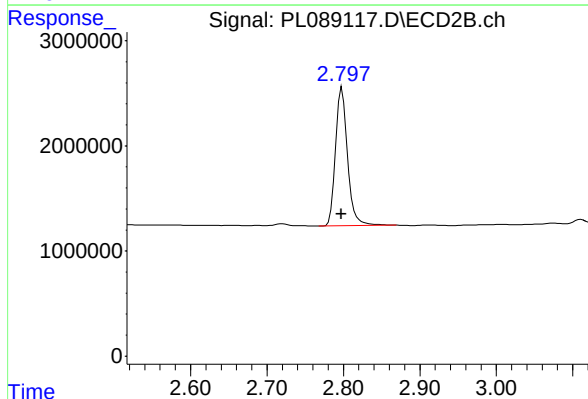




#1 Tetrachloro-m-xylene

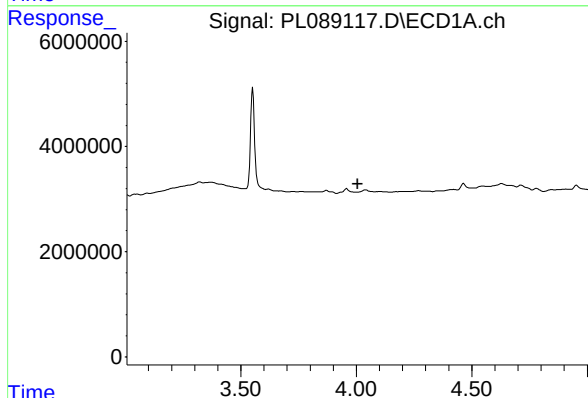
R.T.: 3.551 min  
Delta R.T.: 0.000 min  
Response: 24306318  
Conc: 11.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



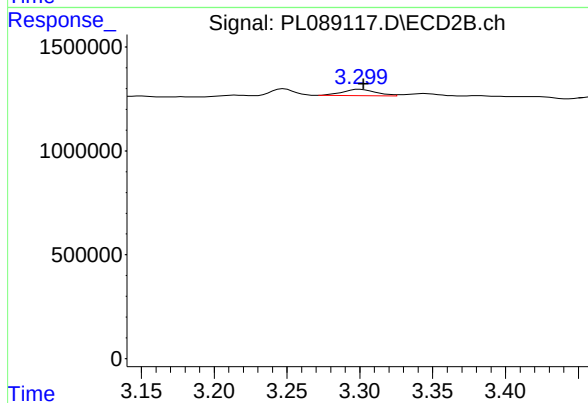
#1 Tetrachloro-m-xylene

R.T.: 2.798 min  
Delta R.T.: 0.000 min  
Response: 14363341  
Conc: 10.78 ng/ml



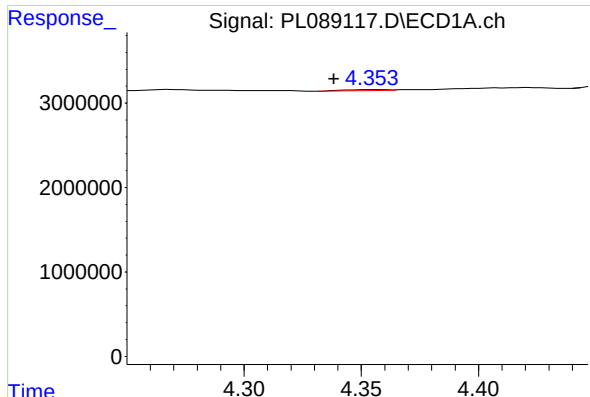
#2 alpha-BHC

R.T.: 0.000 min  
Exp R.T.: 4.006 min  
Response: 0  
Conc: N.D.



#2 alpha-BHC

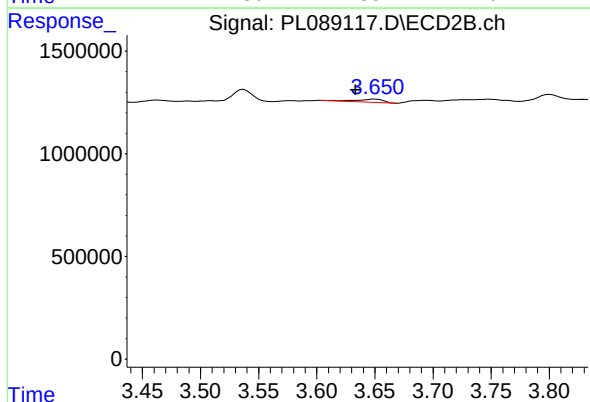
R.T.: 3.300 min  
Delta R.T.: -0.002 min  
Response: 487585  
Conc: 0.25 ng/ml



#3 gamma-BHC (Lindane)

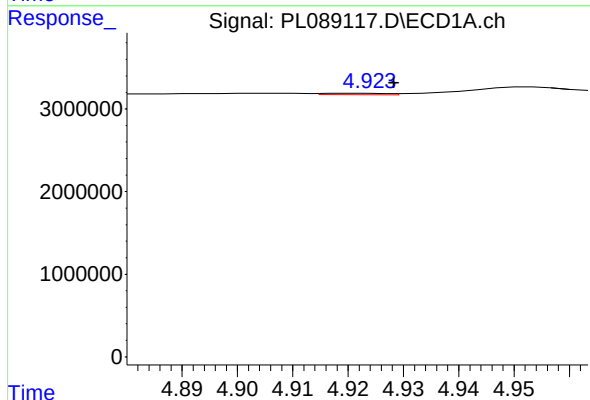
R.T.: 4.354 min  
Delta R.T.: 0.016 min  
Response: 132894  
Conc: 0.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



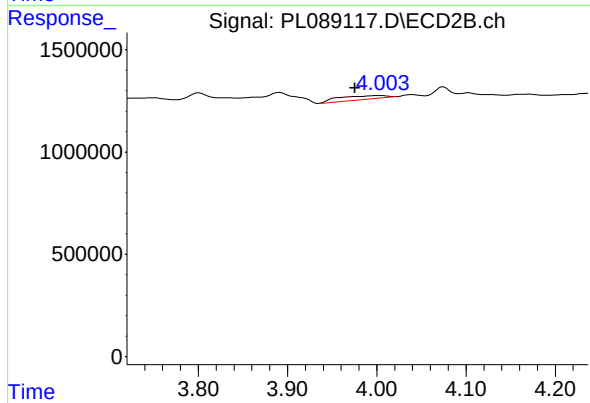
#3 gamma-BHC (Lindane)

R.T.: 3.651 min  
Delta R.T.: 0.017 min  
Response: 268991  
Conc: 0.14 ng/ml



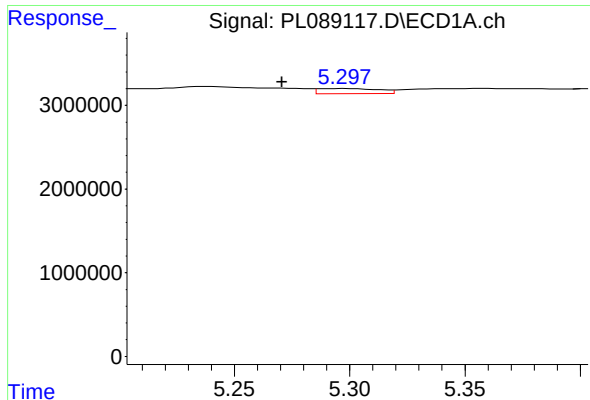
#4 Heptachlor

R.T.: 4.921 min  
Delta R.T.: -0.008 min  
Response: 132261  
Conc: 0.05 ng/ml



#4 Heptachlor

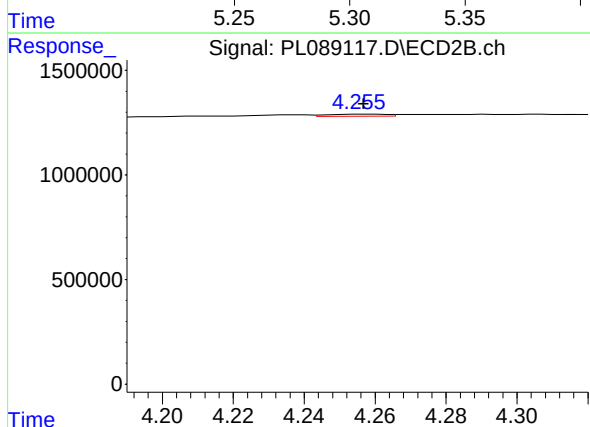
R.T.: 4.005 min  
Delta R.T.: 0.029 min  
Response: 673618  
Conc: 0.37 ng/ml



#5 Aldrin

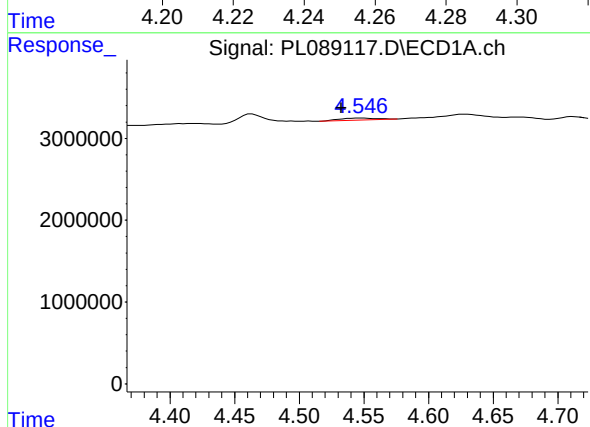
R.T.: 5.298 min  
Delta R.T.: 0.027 min  
Response: 1151259  
Conc: 0.44 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



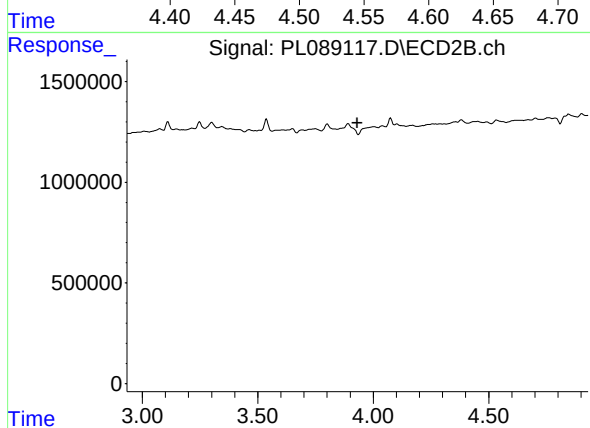
#5 Aldrin

R.T.: 4.257 min  
Delta R.T.: 0.000 min  
Response: 119812  
Conc: 0.07 ng/ml



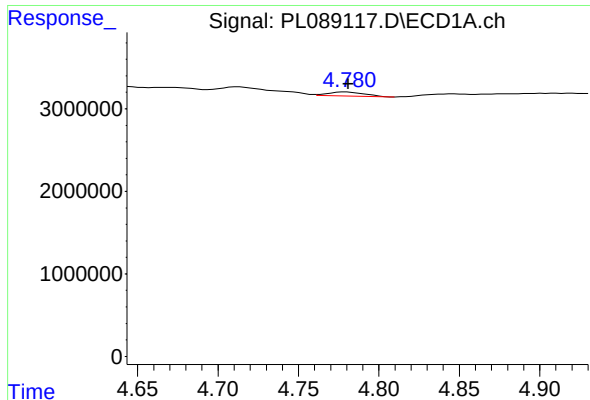
#6 beta-BHC

R.T.: 4.547 min  
Delta R.T.: 0.015 min  
Response: 450715  
Conc: 0.34 ng/ml



#6 beta-BHC

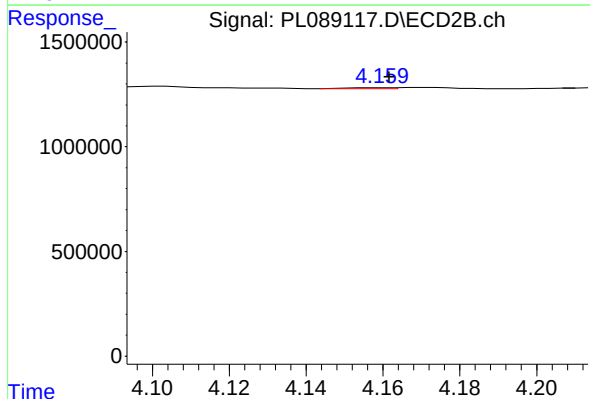
R.T.: 0.000 min  
Exp R.T. : 3.930 min  
Response: 0  
Conc: N.D.



#7 delta-BHC

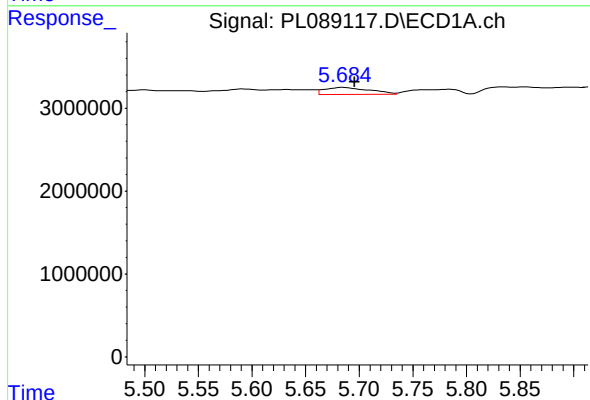
R.T.: 4.779 min  
Delta R.T.: -0.002 min  
Response: 759996  
Conc: 0.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



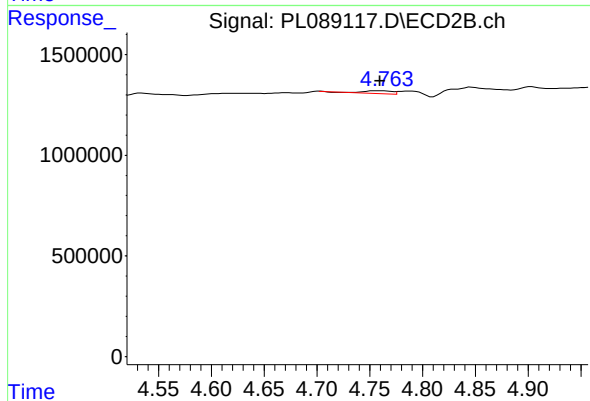
#7 delta-BHC

R.T.: 4.161 min  
Delta R.T.: 0.000 min  
Response: 44380  
Conc: 0.02 ng/ml



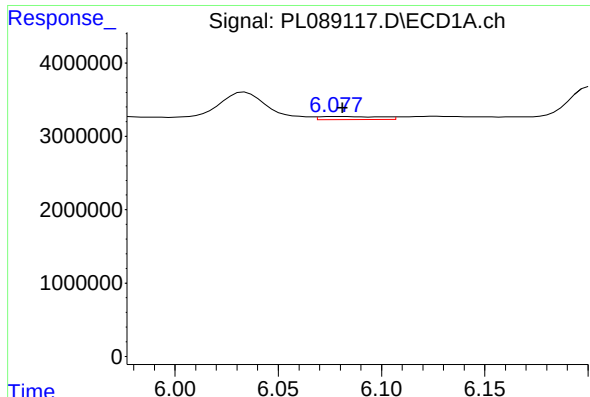
#8 Heptachlor epoxide

R.T.: 5.685 min  
Delta R.T.: -0.010 min  
Response: 2462043  
Conc: 1.04 ng/ml



#8 Heptachlor epoxide

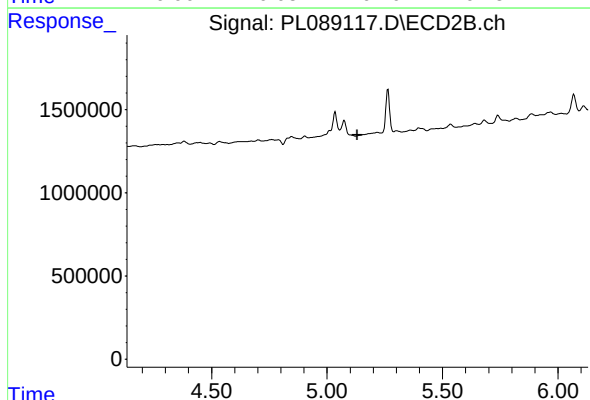
R.T.: 4.760 min  
Delta R.T.: 0.000 min  
Response: 237027  
Conc: 0.14 ng/ml



#9 Endosulfan I

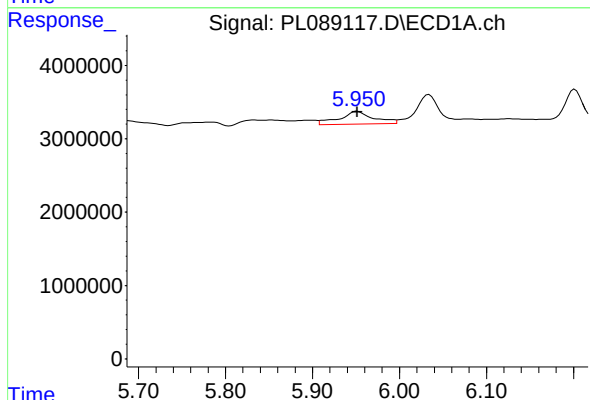
R.T.: 6.078 min  
Delta R.T.: -0.003 min  
Response: 856150  
Conc: 0.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



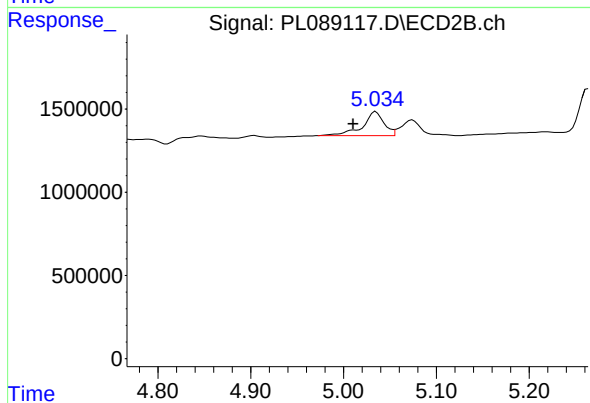
#9 Endosulfan I

R.T.: 0.000 min  
Exp R.T.: 5.130 min  
Response: 0  
Conc: N.D.



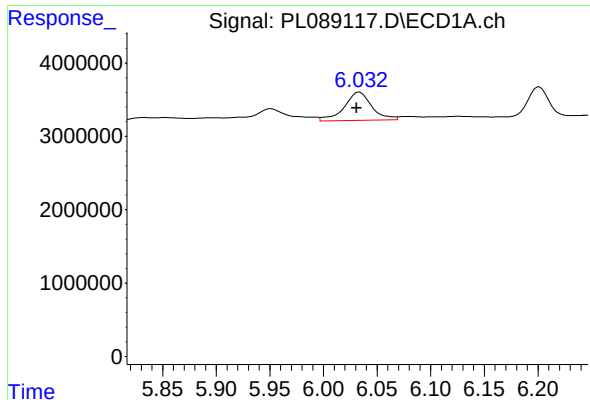
#10 gamma-Chlordane

R.T.: 5.951 min  
Delta R.T.: 0.000 min  
Response: 4685248  
Conc: 2.04 ng/ml



#10 gamma-Chlordane

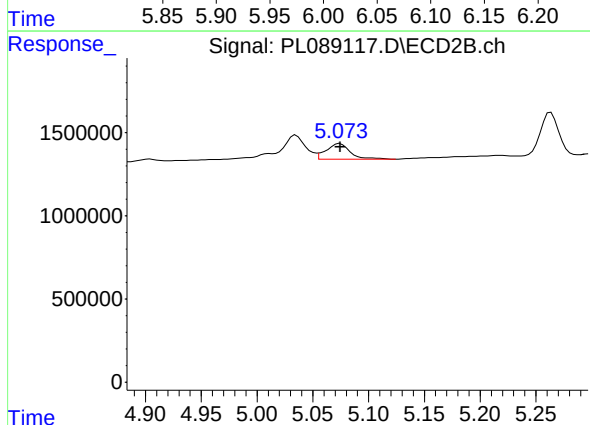
R.T.: 5.035 min  
Delta R.T.: 0.024 min  
Response: 2320824  
Conc: 1.41 ng/ml



#11 alpha-Chlordane

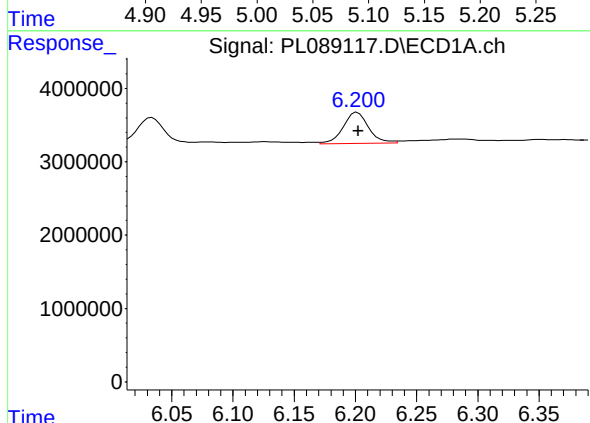
R.T.: 6.034 min  
Delta R.T.: 0.003 min  
Response: 6876379  
Conc: 3.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



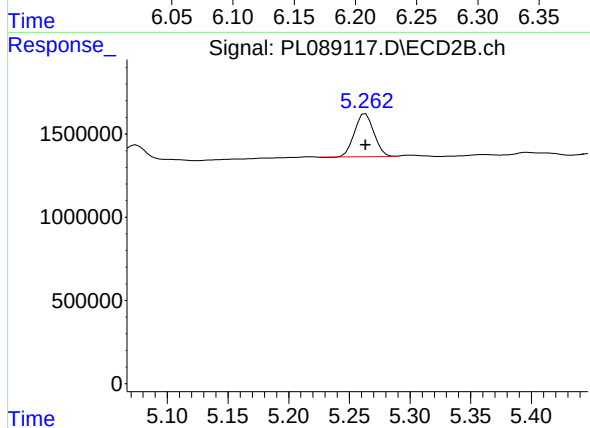
#11 alpha-Chlordane

R.T.: 5.074 min  
Delta R.T.: 0.000 min  
Response: 1416529  
Conc: 0.86 ng/ml



#12 4,4'-DDE

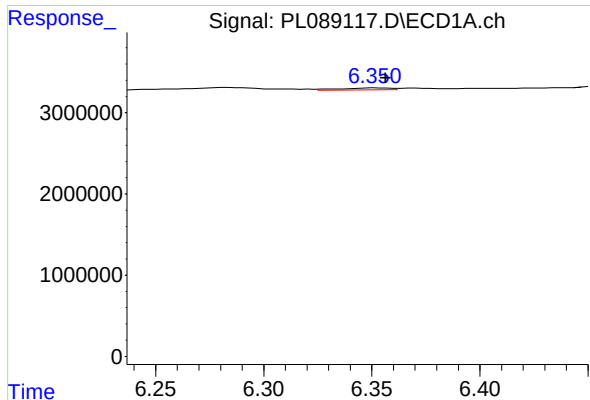
R.T.: 6.202 min  
Delta R.T.: 0.000 min  
Response: 6100794  
Conc: 3.04 ng/ml



#12 4,4'-DDE

R.T.: 5.263 min  
Delta R.T.: 0.000 min  
Response: 2892107  
Conc: 1.97 ng/ml

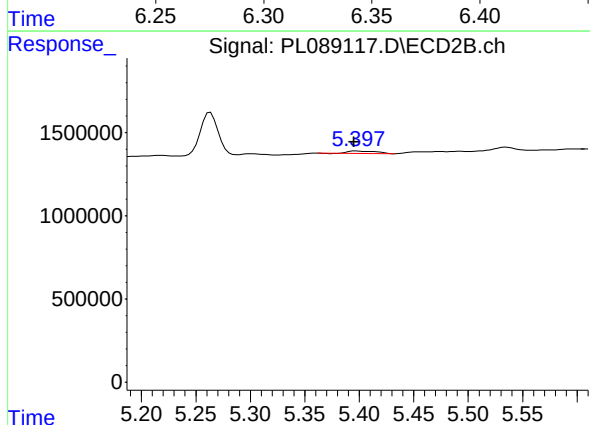




#13 Dieldrin

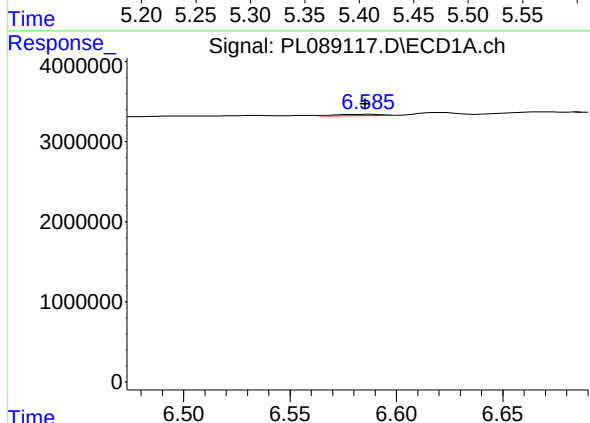
R.T.: 6.352 min  
Delta R.T.: -0.005 min  
Response: 421000  
Conc: 0.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



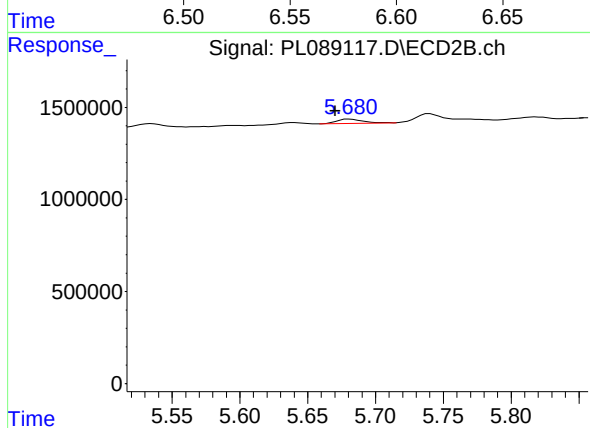
#13 Dieldrin

R.T.: 5.398 min  
Delta R.T.: 0.003 min  
Response: 271359  
Conc: 0.17 ng/ml



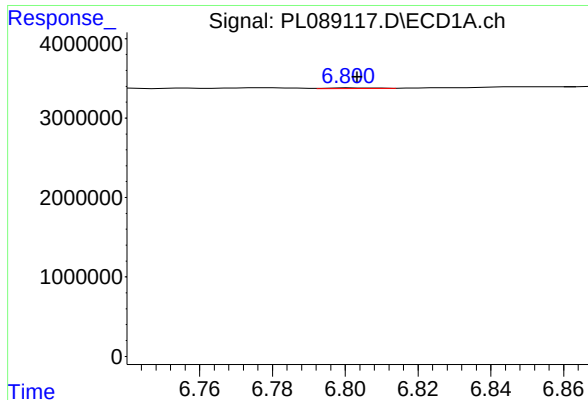
#14 Endrin

R.T.: 6.586 min  
Delta R.T.: 0.000 min  
Response: 221025  
Conc: 0.12 ng/ml



#14 Endrin

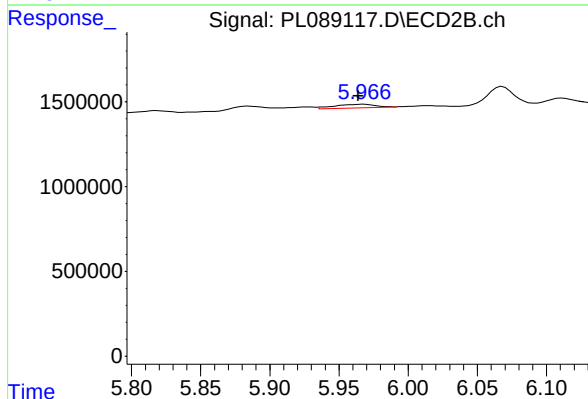
R.T.: 5.681 min  
Delta R.T.: 0.011 min  
Response: 307734  
Conc: 0.21 ng/ml



#15 Endosulfan II

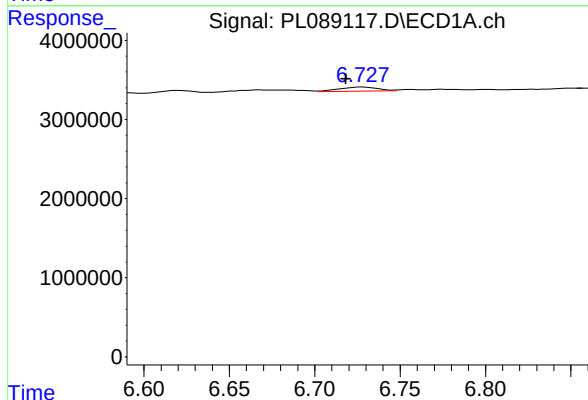
R.T.: 6.801 min  
Delta R.T.: -0.002 min  
Response: 55850  
Conc: 0.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



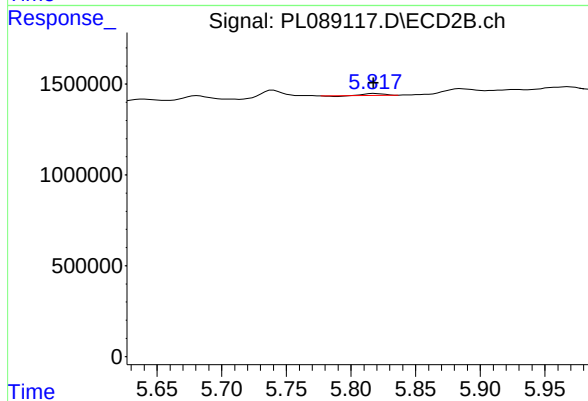
#15 Endosulfan II

R.T.: 5.968 min  
Delta R.T.: 0.004 min  
Response: 434468  
Conc: 0.30 ng/ml



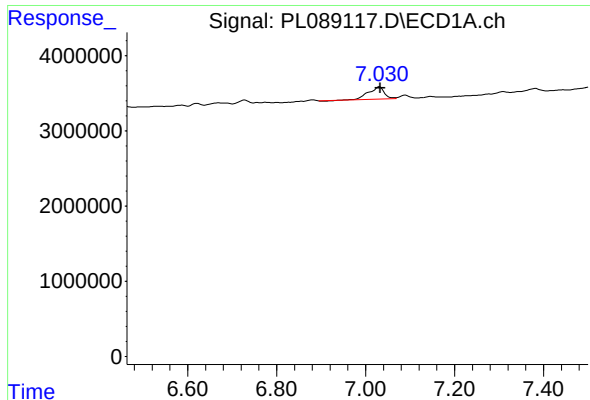
#16 4,4'-DDD

R.T.: 6.728 min  
Delta R.T.: 0.010 min  
Response: 845332  
Conc: 0.52 ng/ml



#16 4,4'-DDD

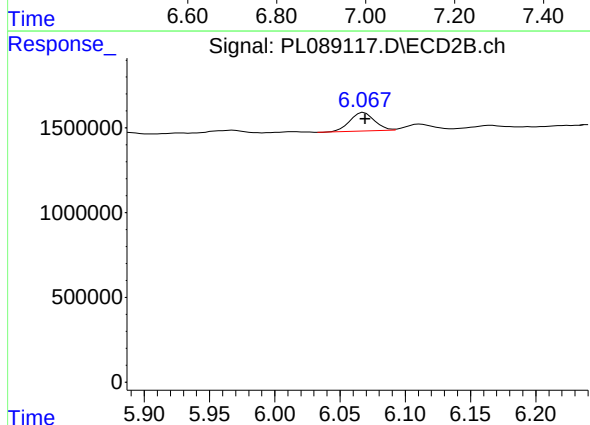
R.T.: 5.819 min  
Delta R.T.: 0.000 min  
Response: 86797  
Conc: 0.07 ng/ml



#17 4,4'-DDT

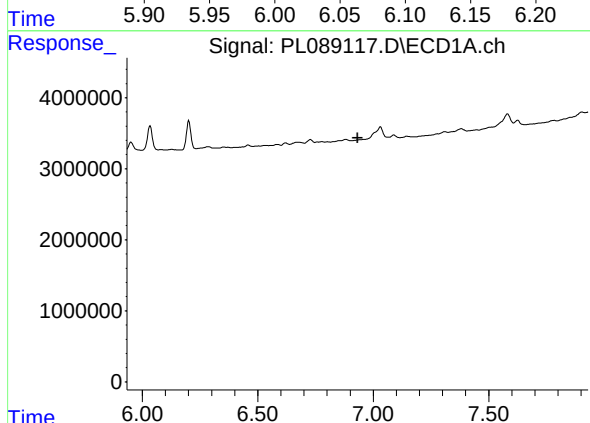
R.T.: 7.031 min  
Delta R.T.: -0.001 min  
Response: 4052289  
Conc: 2.22 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



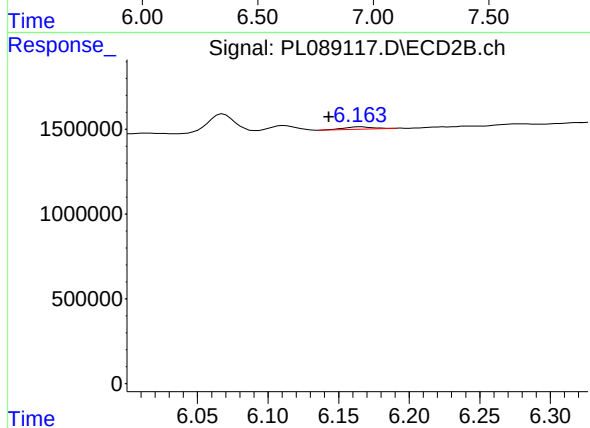
#17 4,4'-DDT

R.T.: 6.068 min  
Delta R.T.: -0.001 min  
Response: 1429506  
Conc: 1.09 ng/ml



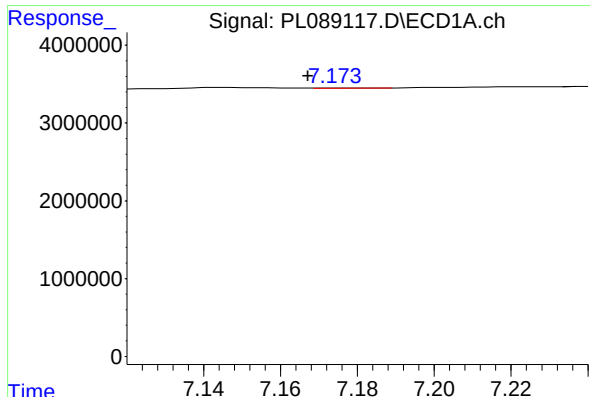
#18 Endrin aldehyde

R.T.: 0.000 min  
Exp R.T.: 6.933 min  
Response: 0  
Conc: N.D.



#18 Endrin aldehyde

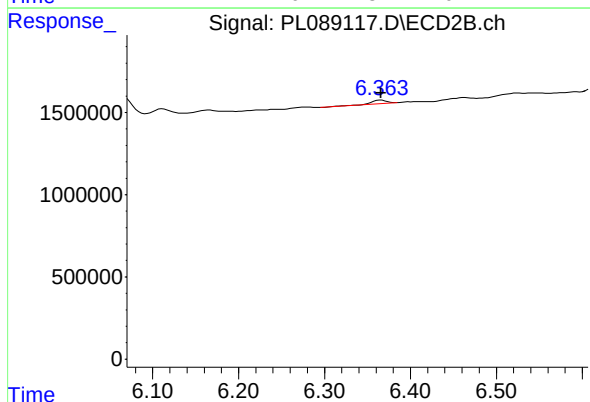
R.T.: 6.166 min  
Delta R.T.: 0.022 min  
Response: 206271  
Conc: 0.19 ng/ml



#19 Endosulfan Sulfate

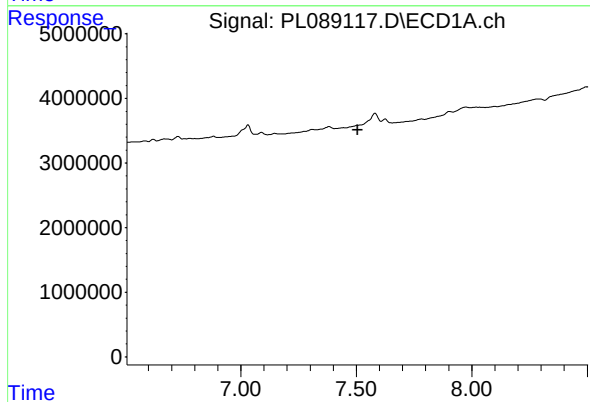
R.T.: 7.175 min  
Delta R.T.: 0.007 min  
Response: 23373  
Conc: 0.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



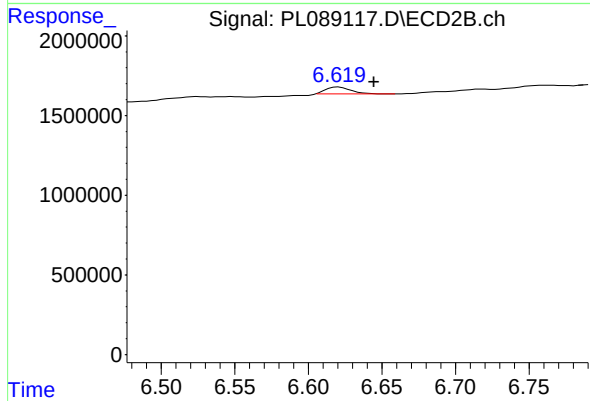
#19 Endosulfan Sulfate

R.T.: 6.366 min  
Delta R.T.: 0.000 min  
Response: 282324  
Conc: 0.21 ng/ml



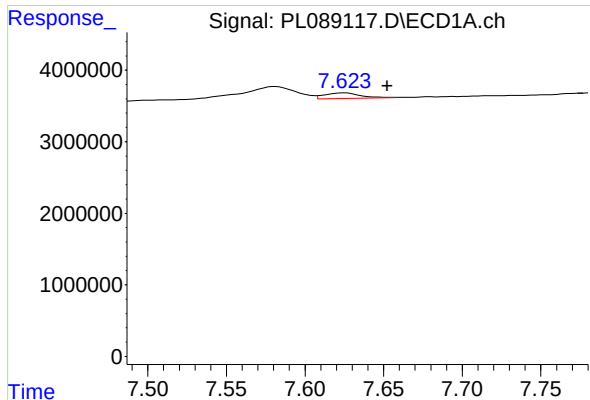
#20 Methoxychlor

R.T.: 0.000 min  
Exp R.T.: 7.506 min  
Response: 0  
Conc: N.D.



#20 Methoxychlor

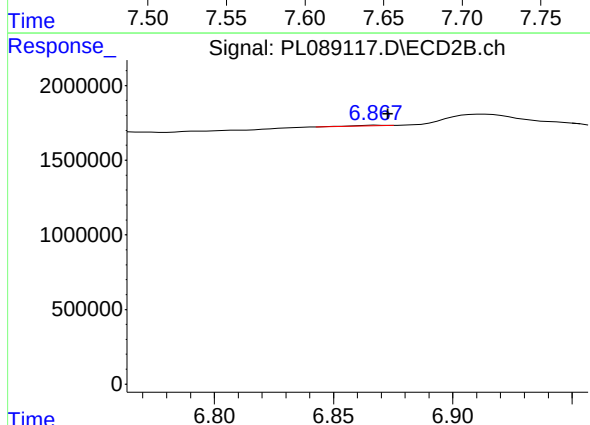
R.T.: 6.621 min  
Delta R.T.: -0.024 min  
Response: 522968  
Conc: 0.70 ng/ml



#21 Endrin ketone

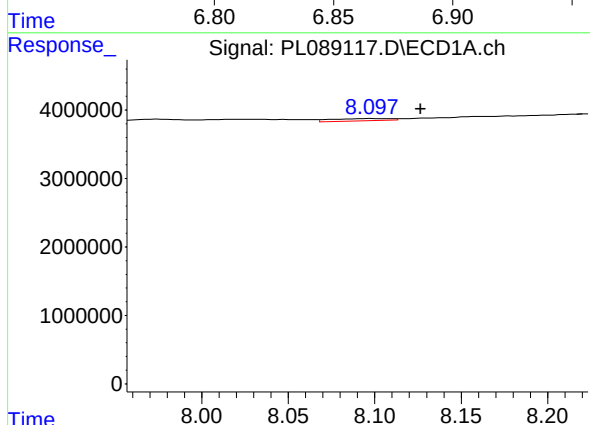
R.T.: 7.626 min  
Delta R.T.: -0.027 min  
Response: 1202766  
Conc: 0.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



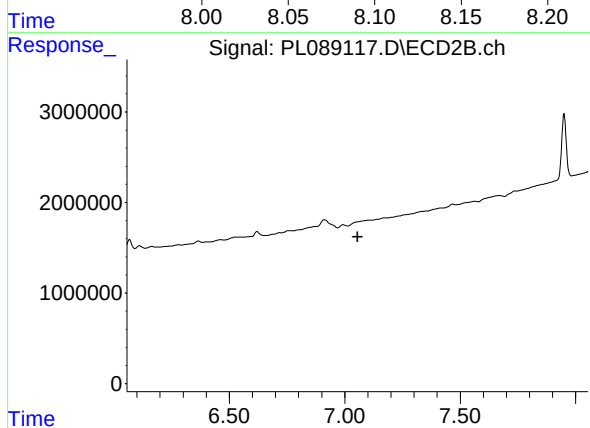
#21 Endrin ketone

R.T.: 6.868 min  
Delta R.T.: -0.005 min  
Response: 40420  
Conc: 0.03 ng/ml



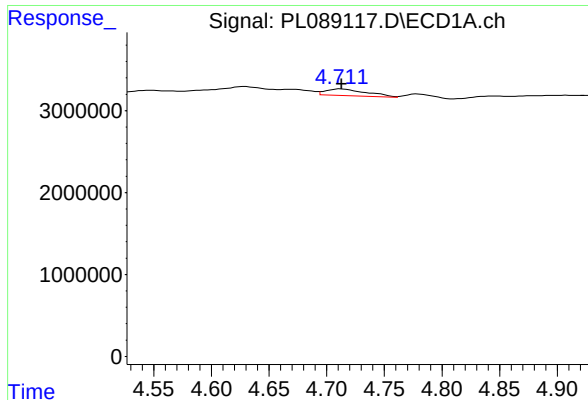
#22 Mirex

R.T.: 8.098 min  
Delta R.T.: -0.028 min  
Response: 741245  
Conc: 0.50 ng/ml



#22 Mirex

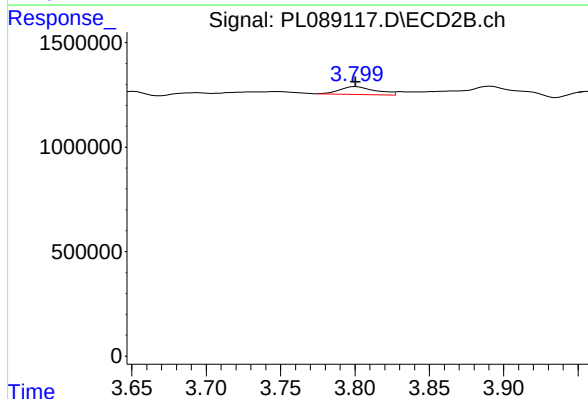
R.T.: 0.000 min  
Exp R.T.: 7.056 min  
Response: 0  
Conc: N.D.



#23 Chlordane-1

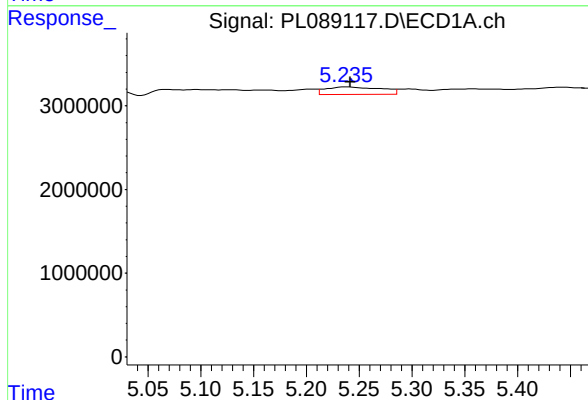
R.T.: 4.712 min  
Delta R.T.: 0.000 min  
Response: 2016399  
Conc: 22.20 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



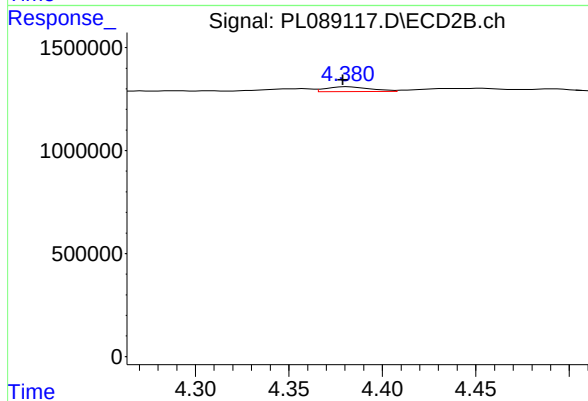
#23 Chlordane-1

R.T.: 3.801 min  
Delta R.T.: 0.000 min  
Response: 611490  
Conc: 11.91 ng/ml



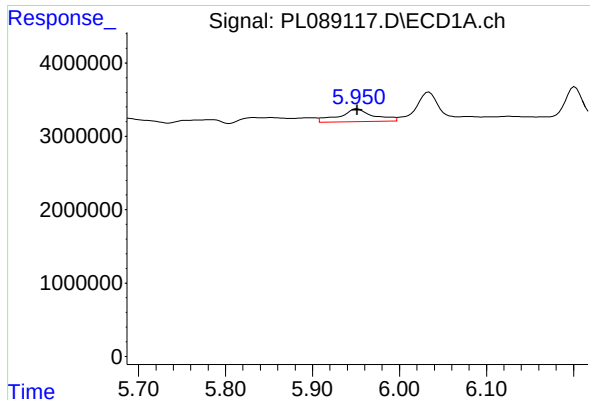
#24 Chlordane-2

R.T.: 5.237 min  
Delta R.T.: -0.005 min  
Response: 3322691  
Conc: 35.18 ng/ml



#24 Chlordane-2

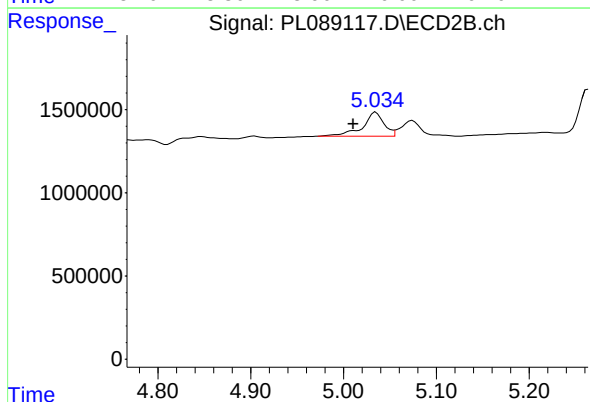
R.T.: 4.382 min  
Delta R.T.: 0.003 min  
Response: 404166  
Conc: 6.22 ng/ml



#25 Chlordane-3

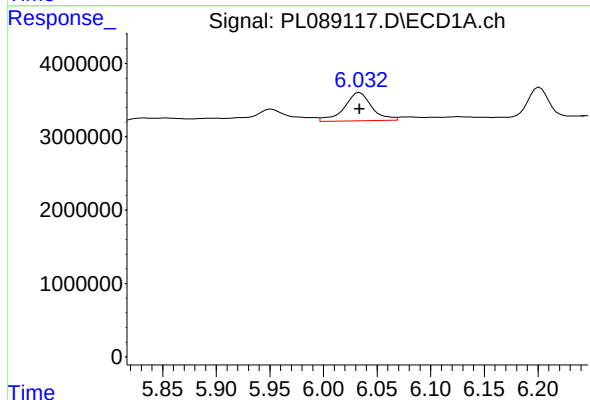
R.T.: 5.951 min  
Delta R.T.: 0.000 min  
Response: 4685248  
Conc: 14.54 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



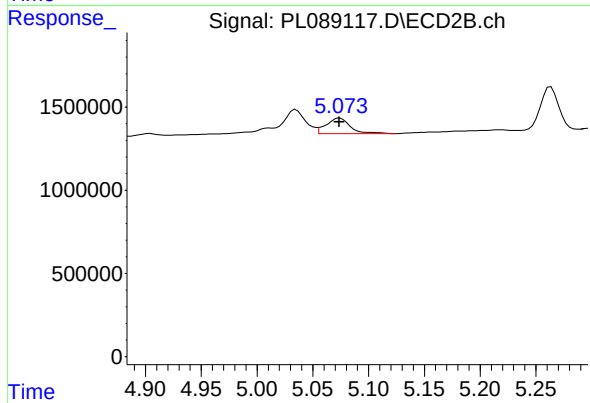
#25 Chlordane-3

R.T.: 5.035 min  
Delta R.T.: 0.024 min  
Response: 2320824  
Conc: 13.44 ng/ml



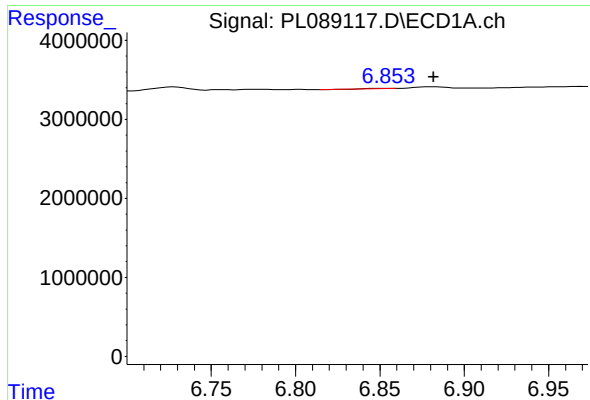
#26 Chlordane-4

R.T.: 6.034 min  
Delta R.T.: 0.000 min  
Response: 6876379  
Conc: 17.39 ng/ml



#26 Chlordane-4

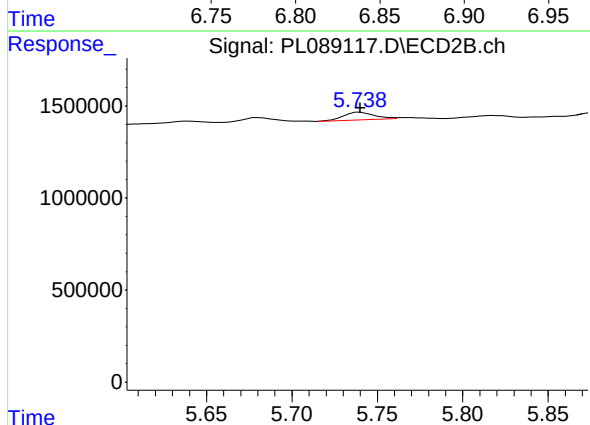
R.T.: 5.074 min  
Delta R.T.: 0.000 min  
Response: 1416529  
Conc: 8.73 ng/ml



#27 Chlordane-5

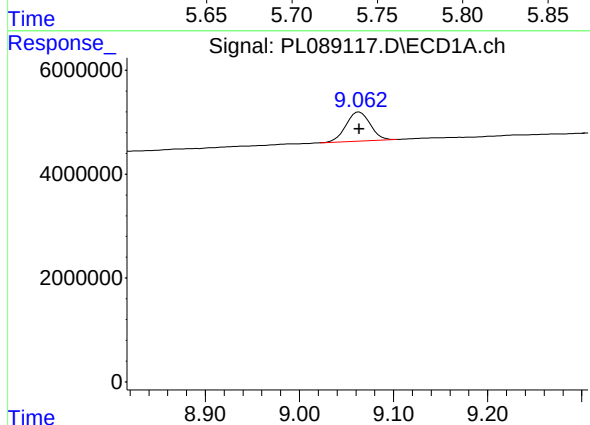
R.T.: 6.855 min  
Delta R.T.: -0.027 min  
Response: 28642  
Conc: 0.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
TOPSOIL-LKWD-DENALI-6



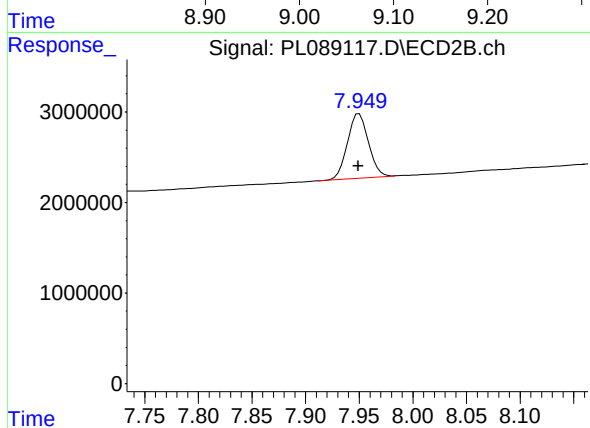
#27 Chlordane-5

R.T.: 5.740 min  
Delta R.T.: 0.000 min  
Response: 518040  
Conc: 10.28 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min  
Delta R.T.: 0.000 min  
Response: 10116241  
Conc: 7.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.950 min  
Delta R.T.: 0.000 min  
Response: 9663215  
Conc: 7.22 ng/ml