

Data Path : P:\HPCHEM1\ECD\_D\Data\PD052418\  
 Data File : PD047902.D  
 Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
 Acq On : 25 May 2018 3:12  
 Operator : UA/AJ  
 Sample : J2923-03  
 Misc : Precision bias study 03  
 ALS Vial : 38 Sample Multiplier: 1

Instrument :  
 ECD\_O  
 ClientSampleId :  
 LOQ-SCM-Precision-Bias-1

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 25 05:07:23 2018  
 Quant Method : P:\HPCHEM1\ECD\_D\Method\PD052418.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 24 12:13:46 2018  
 Response via : Initial Calibration  
 Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

|                             | Compound        | RT#1   | RT#2  | Resp#1   | Resp#2   | ng/ml  | ng/ml    |
|-----------------------------|-----------------|--------|-------|----------|----------|--------|----------|
| -----                       |                 |        |       |          |          |        |          |
| System Monitoring Compounds |                 |        |       |          |          |        |          |
| 1)                          | SA Tetrachlo... | 3.424  | 4.039 | 19519373 | 325.8E6  | 16.999 | 18.116   |
| 28)                         | SA Decachlor... | 8.145  | 9.114 | 23862412 | 344.3E6  | 16.893 | 20.207   |
| Target Compounds            |                 |        |       |          |          |        |          |
| 2)                          | A alpha-BHC     | 3.861  | 4.425 | 2286568  | 46303182 | 1.237  | 1.619 #  |
| 3)                          | MA gamma-BHC... | 4.142  | 4.708 | 2124132  | 28990949 | 1.264  | 1.175    |
| 4)                          | MA Heptachlor   | 4.434  | 5.227 | 2121585  | 37654254 | 1.264  | 1.497    |
| 5)                          | MB Aldrin       | 4.678  | 5.534 | 2137983  | 36803934 | 1.320  | 1.538    |
| 6)                          | B beta-BHC      | 4.391  | 4.868 | 906955   | 15000535 | 1.263  | 1.319    |
| 7)                          | B delta-BHC     | 4.592  | 5.083 | 1328538  | 44033161 | 0.772  | 1.696 #  |
| 8)                          | B Heptachlo...  | 5.120  | 5.915 | 1910152  | 33544238 | 1.256  | 1.510    |
| 9)                          | A Endosulfan I  | 5.456  | 6.272 | 1812470  | 34873011 | 1.284  | 1.723 #  |
| 10)                         | B gamma-Chl...  | 5.343  | 6.150 | 2067336  | 38269799 | 1.348  | 1.670    |
| 11)                         | B alpha-Chl...  | 5.402  | 6.224 | 1918515  | 37758412 | 1.280  | 1.717 #  |
| 12)                         | B 4,4'-DDE      | 5.568  | 6.374 | 2098187  | 37321327 | 1.355  | 1.739 #  |
| 13)                         | MA Dieldrin     | 5.697  | 6.527 | 2066441  | 37338231 | 1.275  | 1.691 #  |
| 14)                         | MA Endrin       | 5.954  | 6.743 | 1828613  | 26807012 | 1.216  | 1.446    |
| 15)                         | B Endosulfa...  | 6.226  | 6.946 | 2385823  | 33632925 | 1.678  | 1.756    |
| 16)                         | A 4,4'-DDD      | 6.082  | 6.859 | 1428756  | 29526959 | 1.095  | 1.669 #  |
| 17)                         | MA 4,4'-DDT     | 6.320  | 7.160 | 1577807  | 25387171 | 1.147  | 1.500 #  |
| 18)                         | B Endrin al...  | 6.396  | 7.069 | 1655798  | 27653100 | 1.398  | 1.701    |
| 19)                         | B Endosulfa...  | 6.608  | 7.291 | 1681893  | 28000821 | 1.230  | 1.481    |
| 20)                         | A Methoxychlor  | 6.809f | 7.612 | 1653150  | 15849389 | 2.112  | 1.727    |
| 21)                         | B Endrin ke...  | 7.097  | 7.760 | 2252937  | 31047796 | 1.353  | 1.650    |
| 22)                         | Mirex           | 7.934f | 7.291 | 6312051  | 28000821 | NoCal  | 1.449 #  |
| 23)                         | Chlordane-1     | 4.353  | 5.083 | 1125348  | 44033161 | 19.482 | 43.253 # |
| 24)                         | Chlordane-2     | 0.000  | 5.534 | 0        | 36803934 | N.D.   | 38.978 # |
| 25)                         | Chlordane-3     | 5.343  | 6.150 | 2067336  | 38269799 | 11.507 | 11.958   |
| 26)                         | Chlordane-4     | 5.402  | 6.224 | 1918515  | 37758412 | 12.059 | 10.259   |
| 27)                         | Chlordane-5     | 6.226  | 7.069 | 2385823  | 27653100 | 40.210 | 33.138   |
| -----                       |                 |        |       |          |          |        |          |

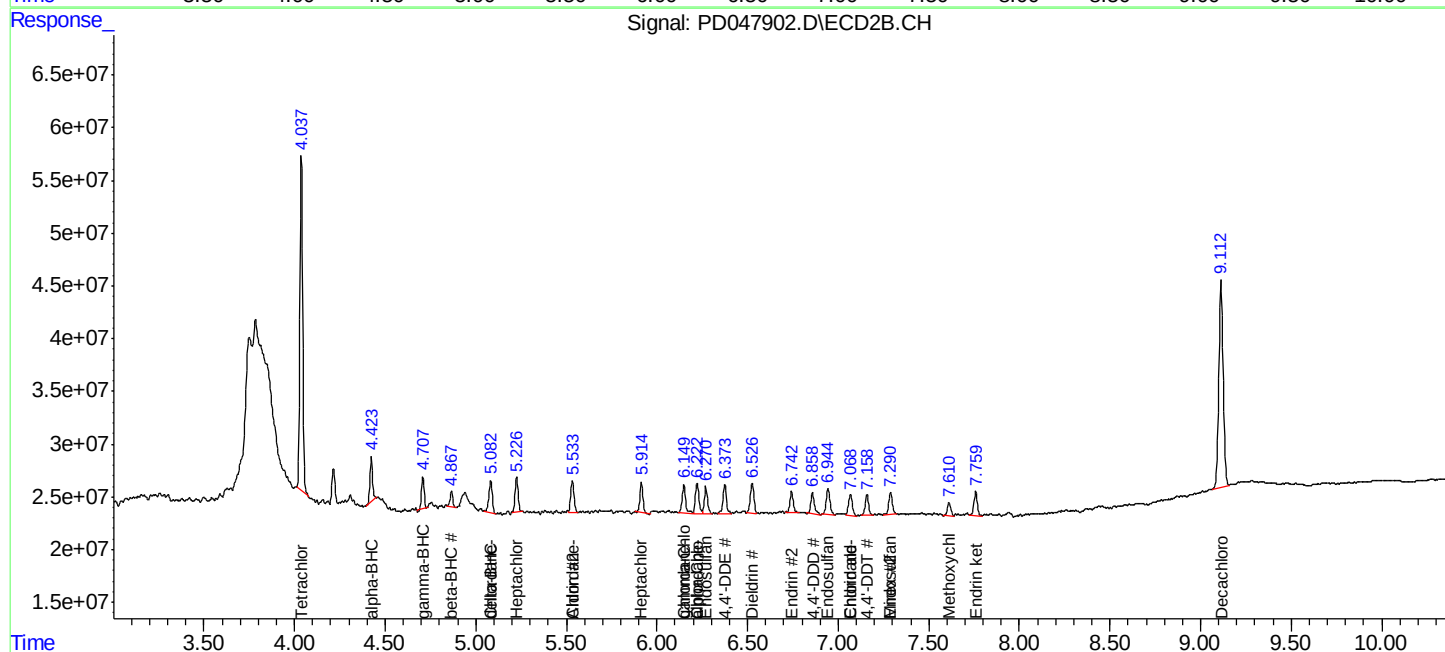
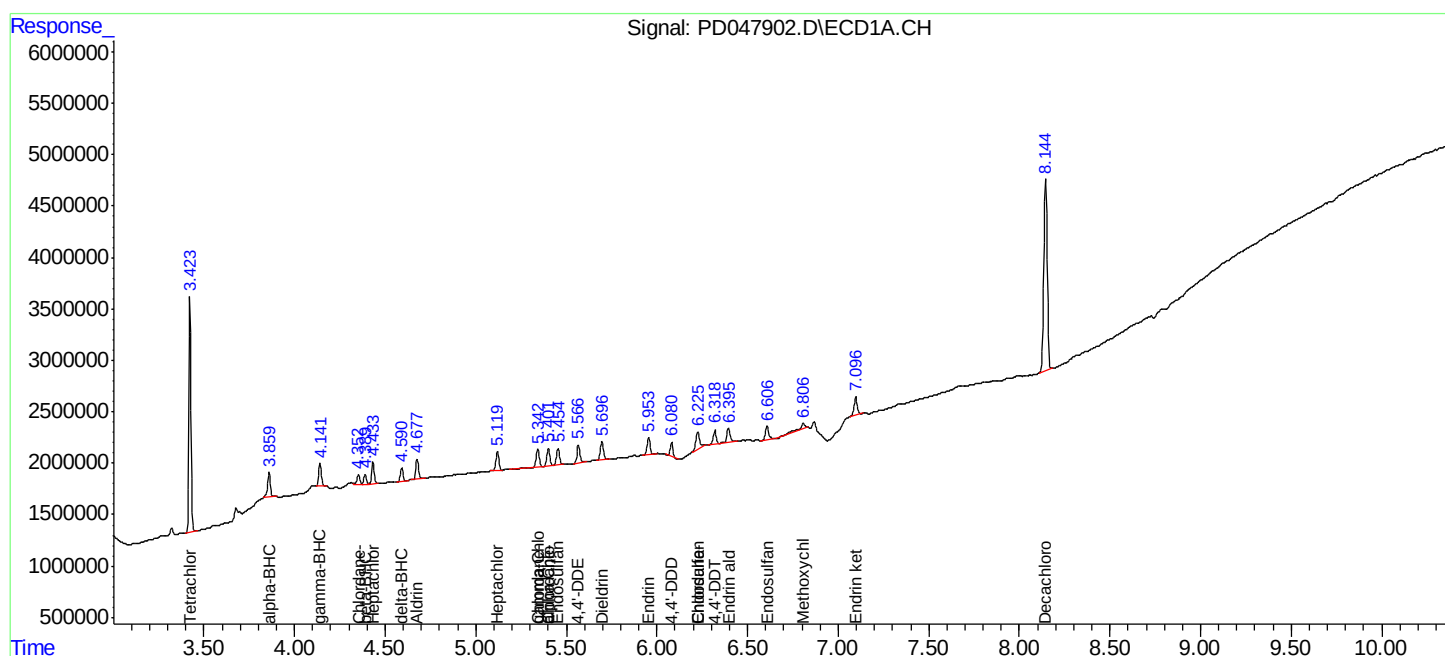
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

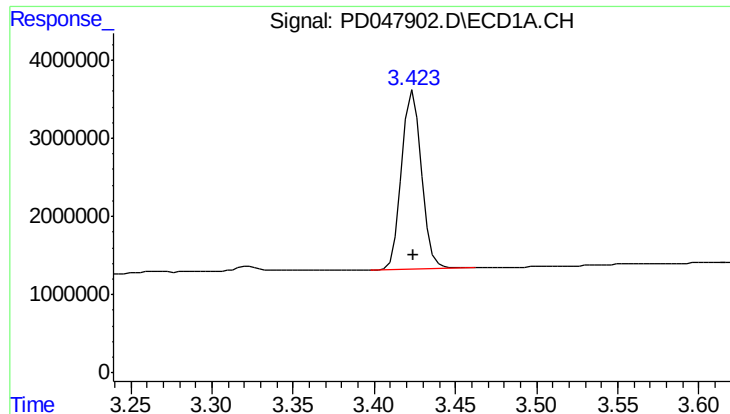
Data Path : P:\HPCHEM1\ECD\_D\Data\PD052418\  
Data File : PD047902.D  
Signal(s) : Signal #1: ECD1A.CH Signal #2: ECD2B.CH  
Acq On : 25 May 2018 3:12  
Operator : UA/AJ  
Sample : J2923-03  
Misc : Precision bias study 03  
ALS Vial : 38 Sample Multiplier: 1

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: May 25 05:07:23 2018  
Quant Method : P:\HPCHEM1\ECD\_D\Method\PD052418.M  
Quant Title : GC Extractables  
QLast Update : Thu May 24 12:13:46 2018  
Response via : Initial Calibration  
Integrator: ChemStation 6890 Scale Mode: Large solvent peaks clipped

Volume Inj. : 2 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 x 0.50µm

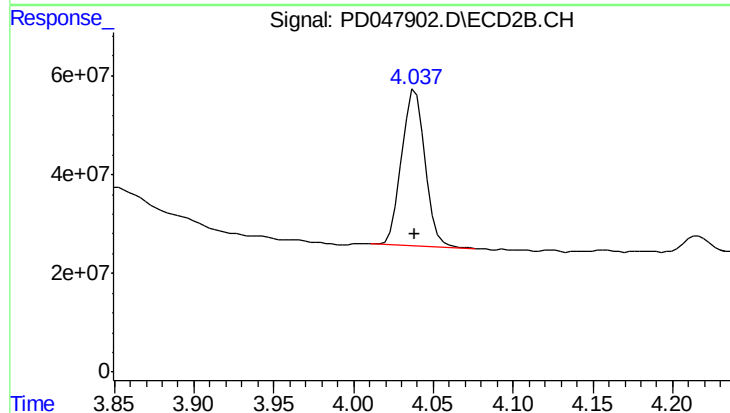




#1 Tetrachloro-m-xylene

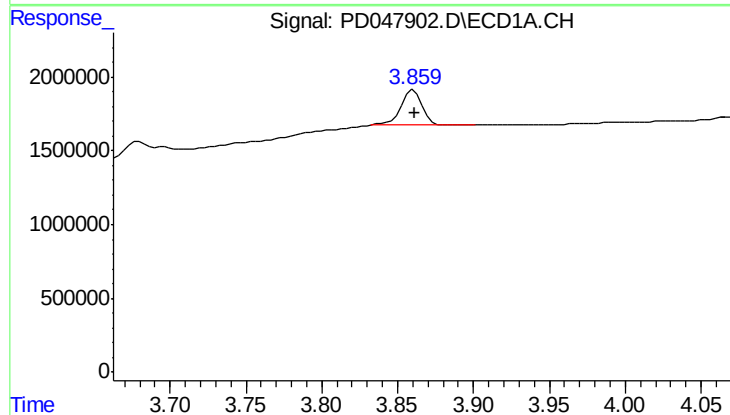
R.T.: 3.424 min  
Delta R.T.: 0.000 min  
Response: 19519373  
Conc: 17.00 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



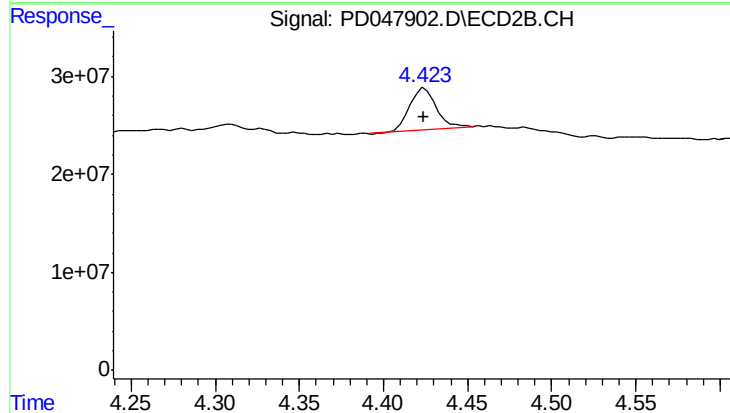
#1 Tetrachloro-m-xylene

R.T.: 4.039 min  
Delta R.T.: 0.000 min  
Response: 325755188  
Conc: 18.12 ng/ml



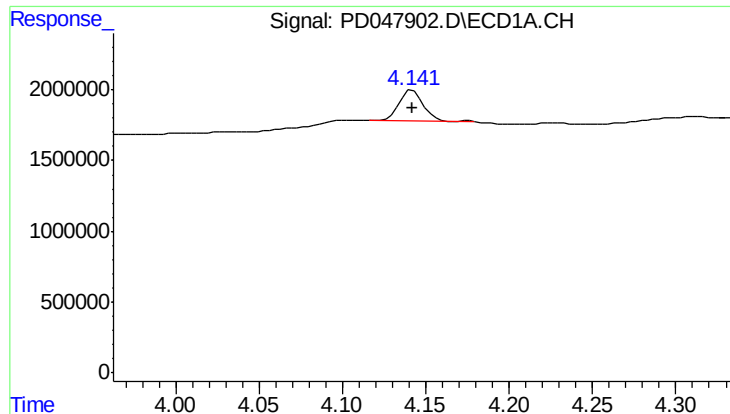
#2 alpha-BHC

R.T.: 3.861 min  
Delta R.T.: 0.000 min  
Response: 2286568  
Conc: 1.24 ng/ml



#2 alpha-BHC

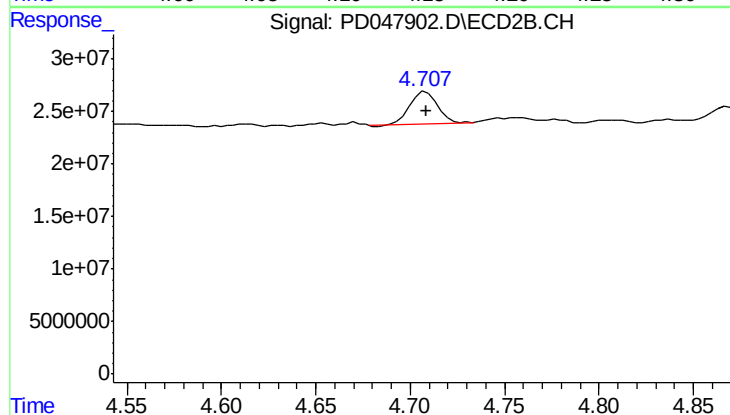
R.T.: 4.425 min  
Delta R.T.: 0.000 min  
Response: 46303182  
Conc: 1.62 ng/ml



#3 gamma-BHC (Lindane)

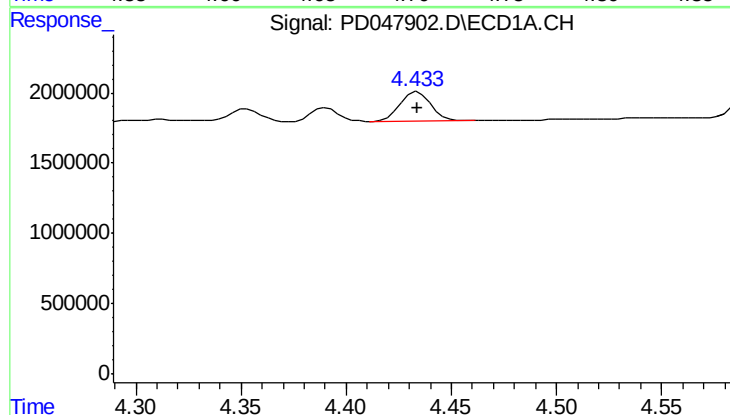
R.T.: 4.142 min  
Delta R.T.: 0.000 min  
Response: 2124132  
Conc: 1.26 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



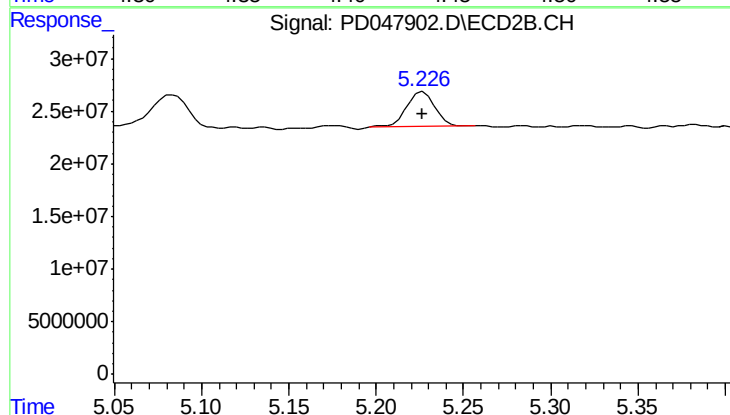
#3 gamma-BHC (Lindane)

R.T.: 4.708 min  
Delta R.T.: 0.000 min  
Response: 28990949  
Conc: 1.17 ng/ml



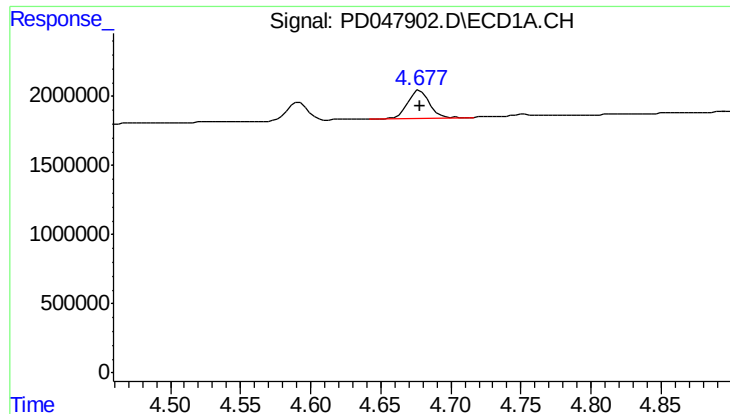
#4 Heptachlor

R.T.: 4.434 min  
Delta R.T.: 0.000 min  
Response: 2121585  
Conc: 1.26 ng/ml



#4 Heptachlor

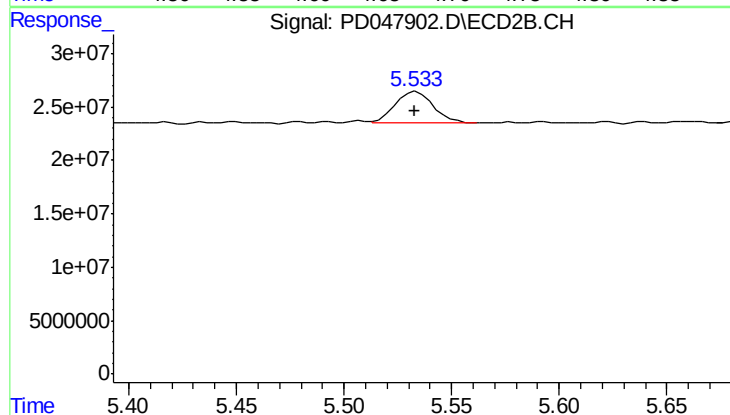
R.T.: 5.227 min  
Delta R.T.: 0.000 min  
Response: 37654254  
Conc: 1.50 ng/ml



#5 Aldrin

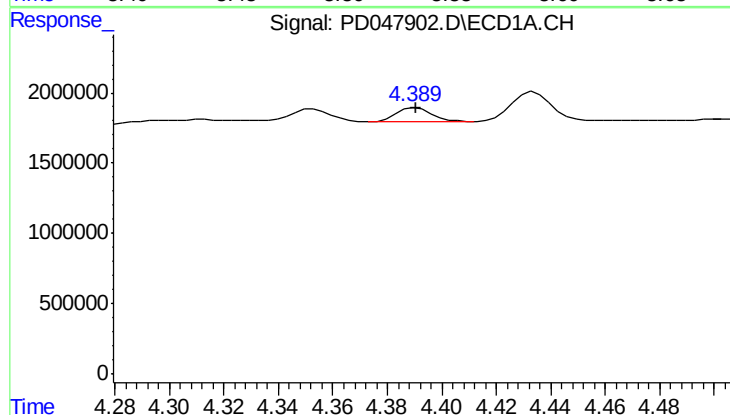
R.T.: 4.678 min  
Delta R.T.: 0.000 min  
Response: 2137983  
Conc: 1.32 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



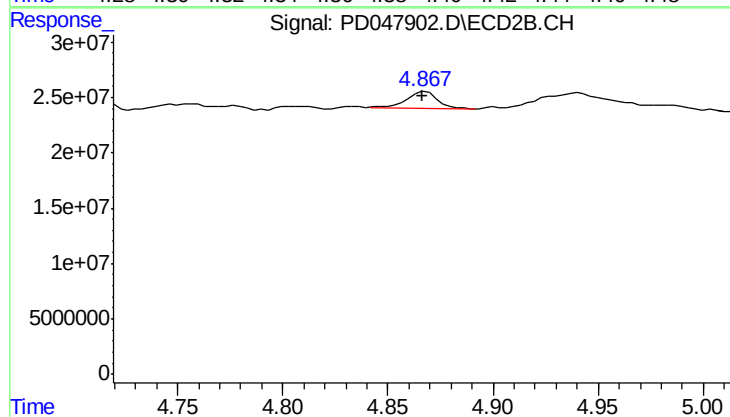
#5 Aldrin

R.T.: 5.534 min  
Delta R.T.: 0.000 min  
Response: 36803934  
Conc: 1.54 ng/ml



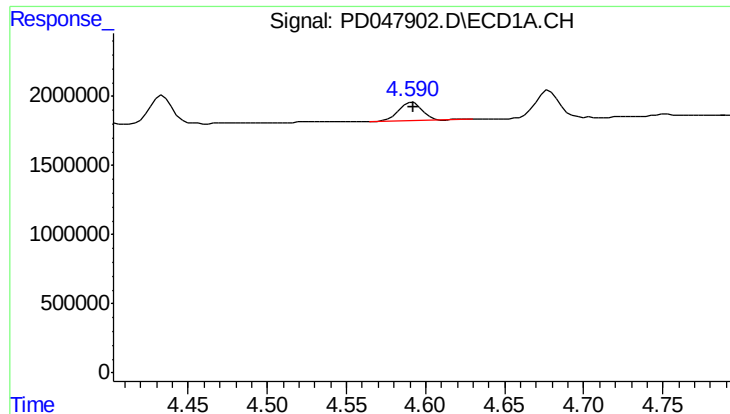
#6 beta-BHC

R.T.: 4.391 min  
Delta R.T.: 0.000 min  
Response: 906955  
Conc: 1.26 ng/ml



#6 beta-BHC

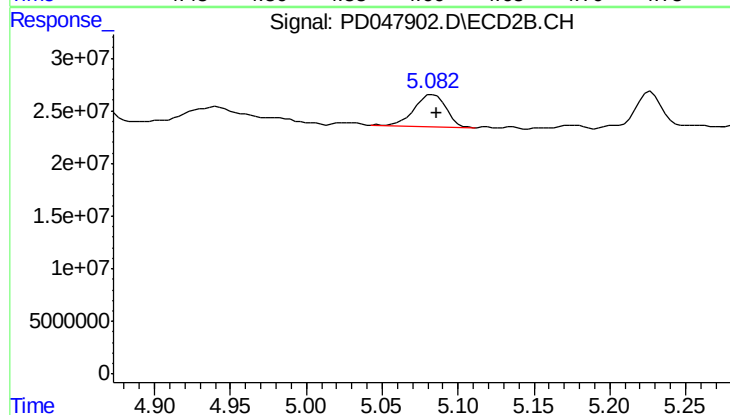
R.T.: 4.868 min  
Delta R.T.: 0.002 min  
Response: 15000535  
Conc: 1.32 ng/ml



#7 delta-BHC

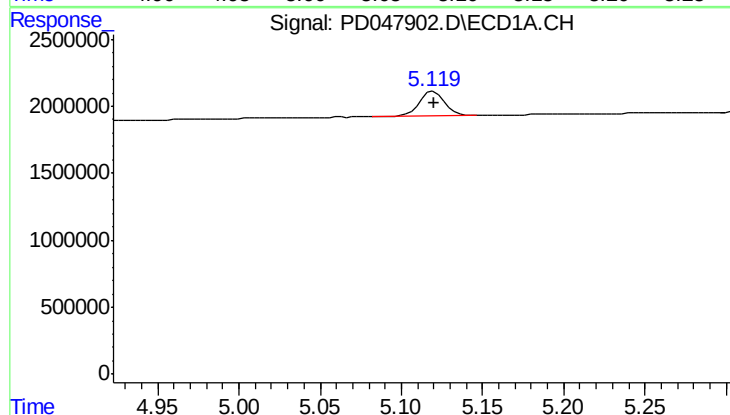
R.T.: 4.592 min  
Delta R.T.: 0.000 min  
Response: 1328538  
Conc: 0.77 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



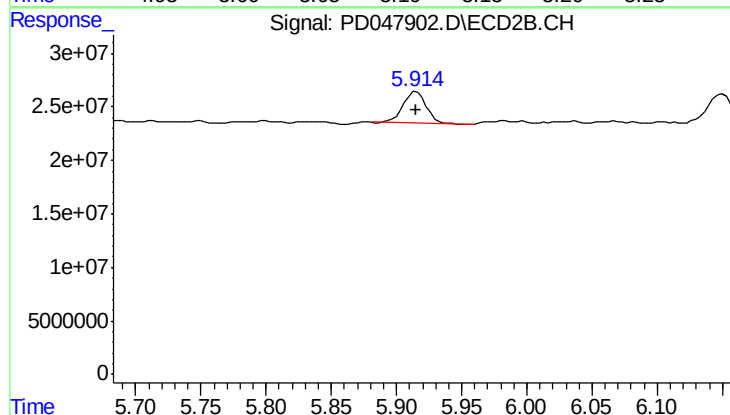
#7 delta-BHC

R.T.: 5.083 min  
Delta R.T.: -0.003 min  
Response: 44033161  
Conc: 1.70 ng/ml



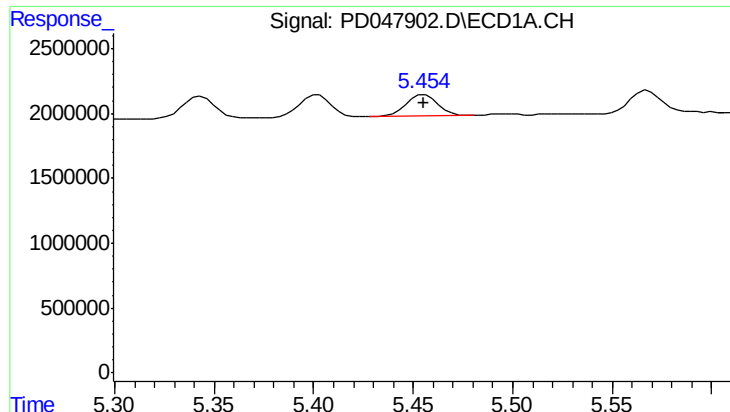
#8 Heptachlor epoxide

R.T.: 5.120 min  
Delta R.T.: 0.000 min  
Response: 1910152  
Conc: 1.26 ng/ml



#8 Heptachlor epoxide

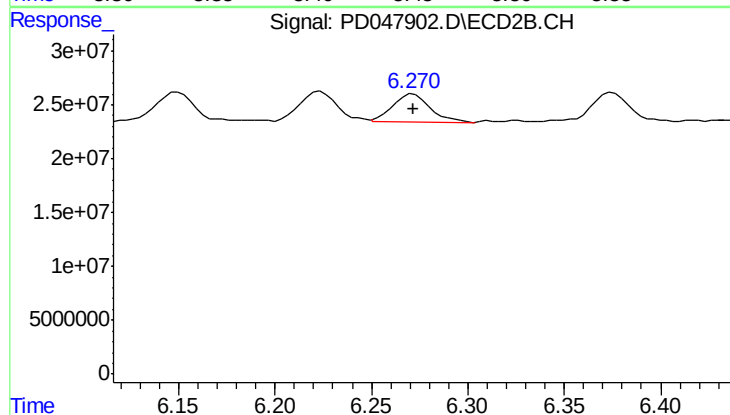
R.T.: 5.915 min  
Delta R.T.: 0.000 min  
Response: 33544238  
Conc: 1.51 ng/ml



#9 Endosulfan I

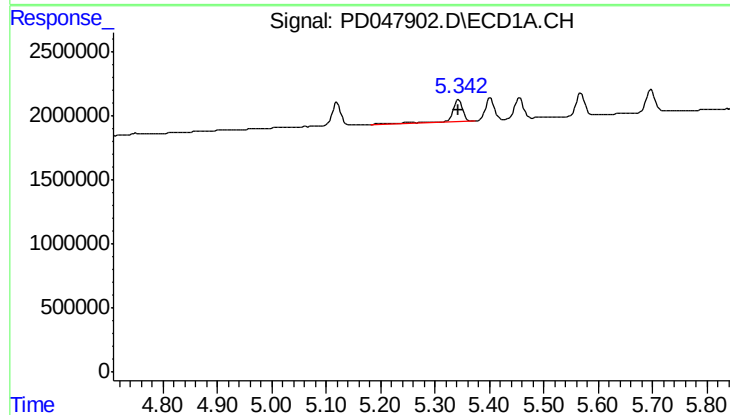
R.T.: 5.456 min  
Delta R.T.: 0.000 min  
Response: 1812470  
Conc: 1.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



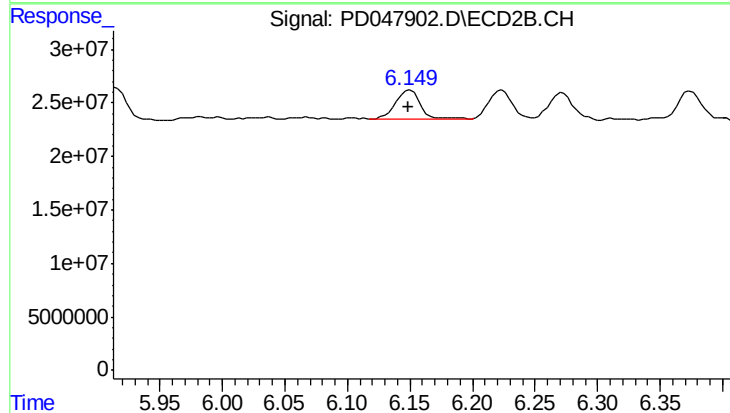
#9 Endosulfan I

R.T.: 6.272 min  
Delta R.T.: 0.000 min  
Response: 34873011  
Conc: 1.72 ng/ml



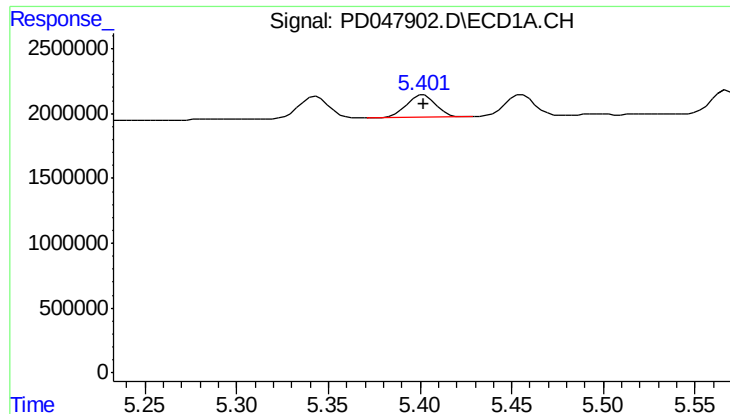
#10 gamma-Chlordane

R.T.: 5.343 min  
Delta R.T.: 0.000 min  
Response: 2067336  
Conc: 1.35 ng/ml



#10 gamma-Chlordane

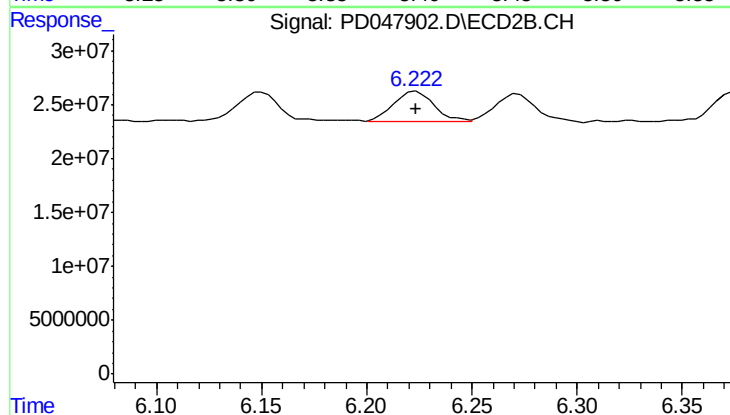
R.T.: 6.150 min  
Delta R.T.: 0.002 min  
Response: 38269799  
Conc: 1.67 ng/ml



#11 alpha-Chlordane

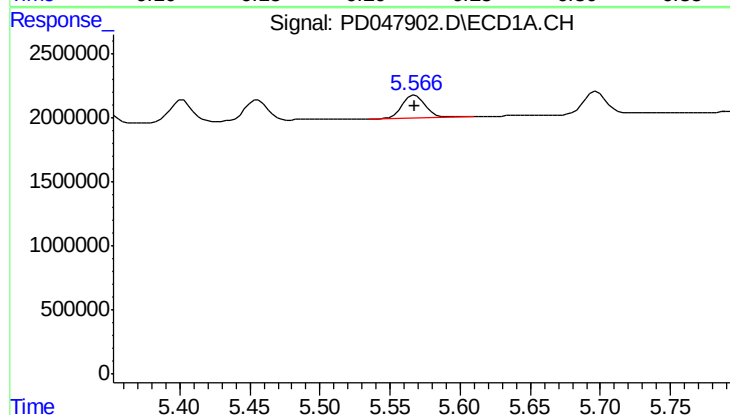
R.T.: 5.402 min  
Delta R.T.: 0.000 min  
Response: 1918515  
Conc: 1.28 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



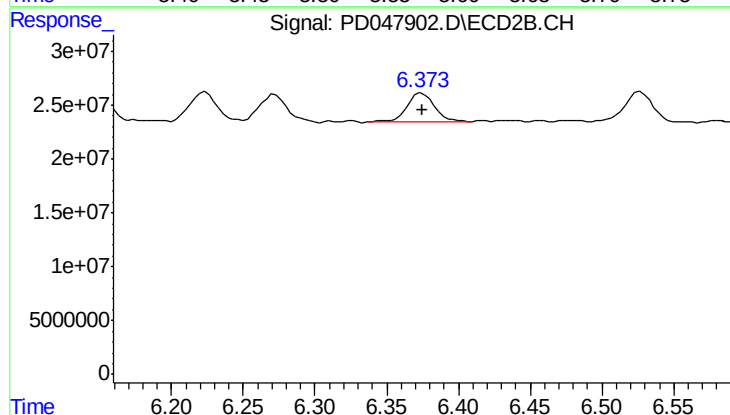
#11 alpha-Chlordane

R.T.: 6.224 min  
Delta R.T.: 0.000 min  
Response: 37758412  
Conc: 1.72 ng/ml



#12 4,4'-DDE

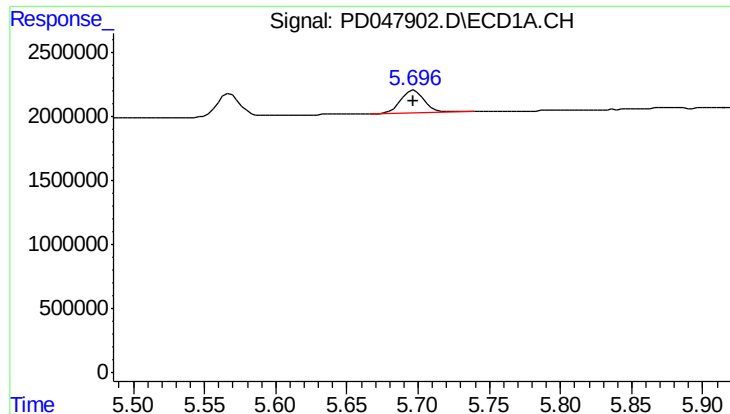
R.T.: 5.568 min  
Delta R.T.: 0.000 min  
Response: 2098187  
Conc: 1.35 ng/ml



#12 4,4'-DDE

R.T.: 6.374 min  
Delta R.T.: 0.000 min  
Response: 37321327  
Conc: 1.74 ng/ml

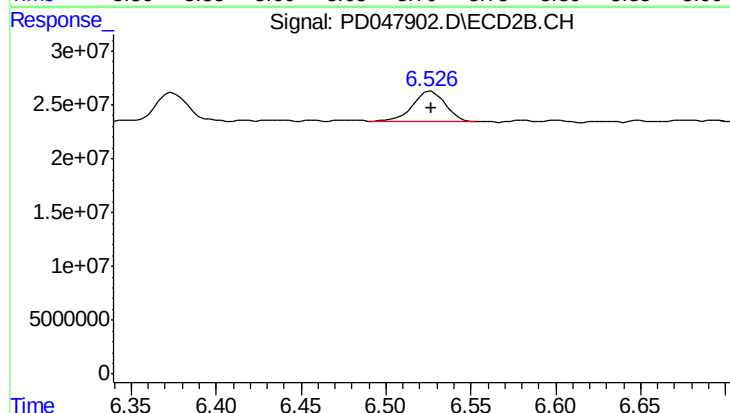




#13 Dielddrin

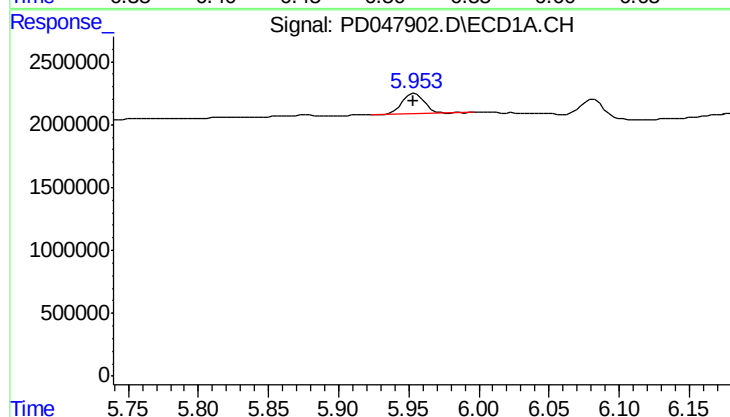
R.T.: 5.697 min  
Delta R.T.: 0.000 min  
Response: 2066441  
Conc: 1.27 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



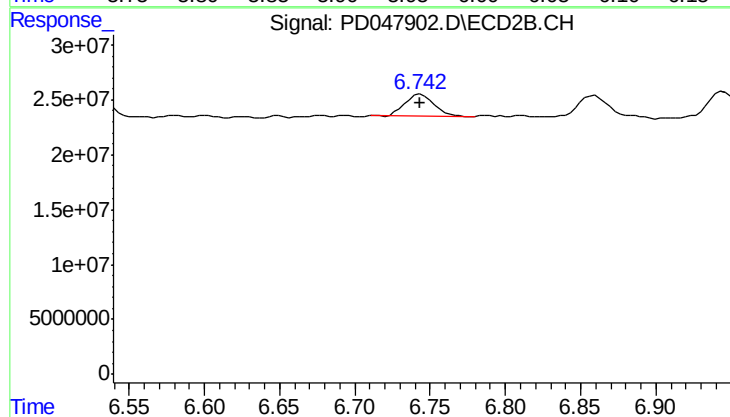
#13 Dielddrin

R.T.: 6.527 min  
Delta R.T.: 0.000 min  
Response: 37338231  
Conc: 1.69 ng/ml



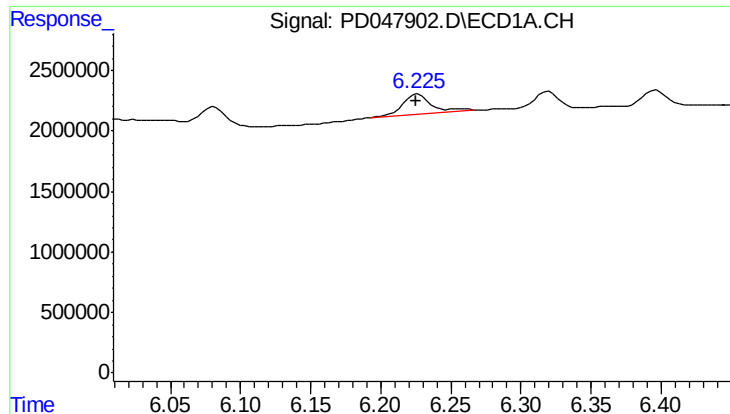
#14 Endrin

R.T.: 5.954 min  
Delta R.T.: 0.001 min  
Response: 1828613  
Conc: 1.22 ng/ml



#14 Endrin

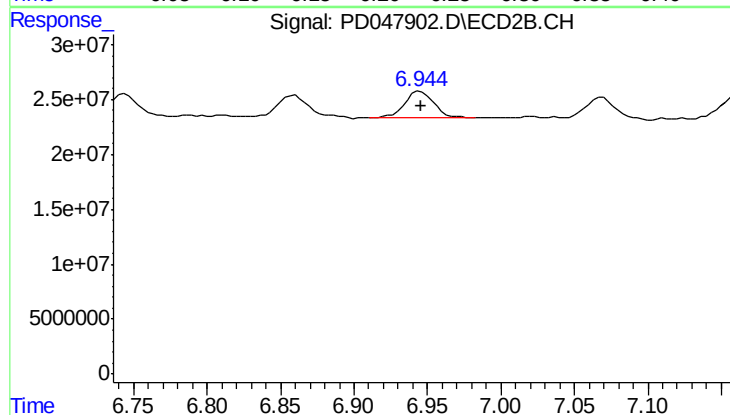
R.T.: 6.743 min  
Delta R.T.: 0.000 min  
Response: 26807012  
Conc: 1.45 ng/ml



#15 Endosulfan II

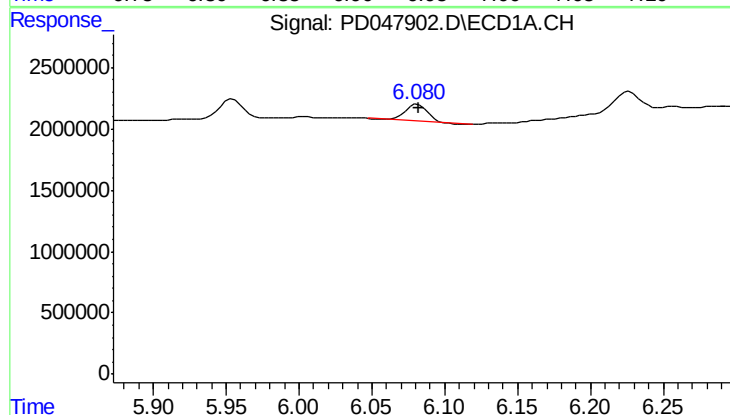
R.T.: 6.226 min  
Delta R.T.: 0.002 min  
Response: 2385823  
Conc: 1.68 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



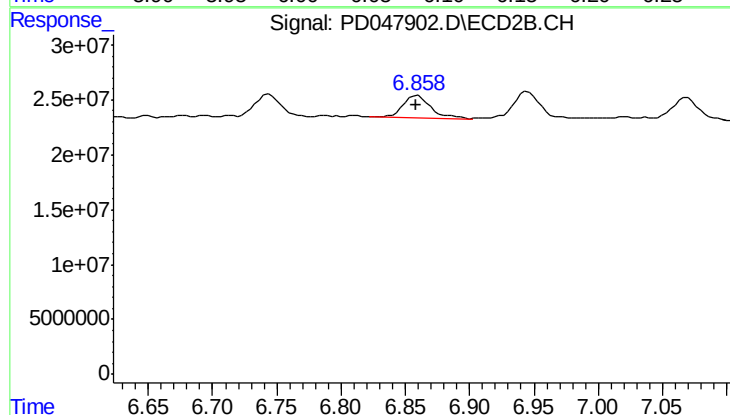
#15 Endosulfan II

R.T.: 6.946 min  
Delta R.T.: 0.000 min  
Response: 33632925  
Conc: 1.76 ng/ml



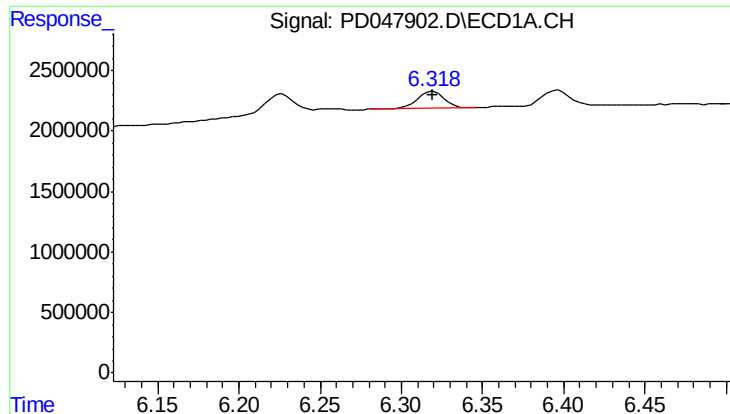
#16 4,4'-DDD

R.T.: 6.082 min  
Delta R.T.: 0.000 min  
Response: 1428756  
Conc: 1.09 ng/ml



#16 4,4'-DDD

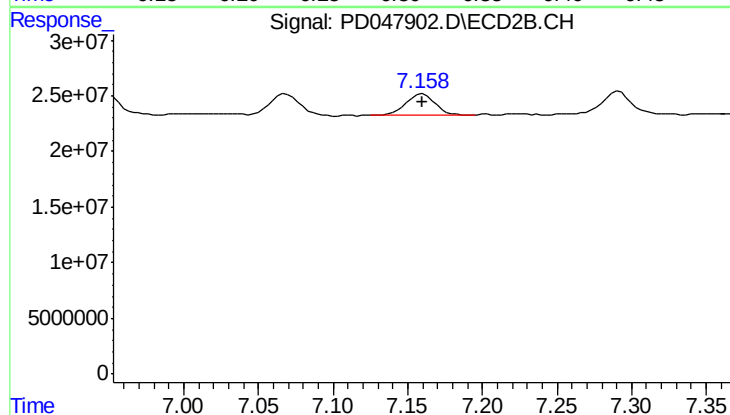
R.T.: 6.859 min  
Delta R.T.: 0.000 min  
Response: 29526959  
Conc: 1.67 ng/ml



#17 4,4'-DDT

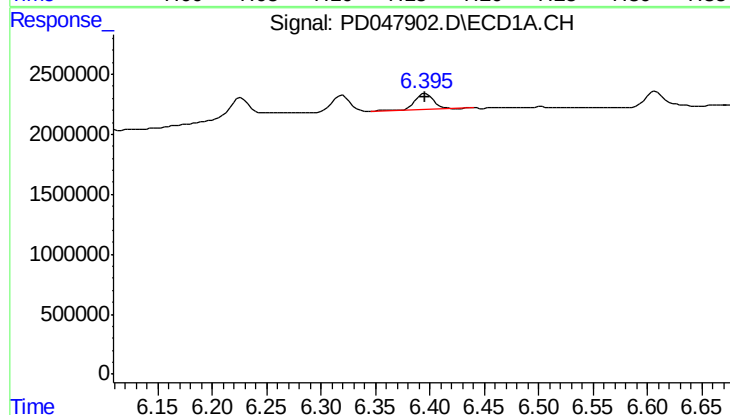
R.T.: 6.320 min  
Delta R.T.: 0.000 min  
Response: 1577807  
Conc: 1.15 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



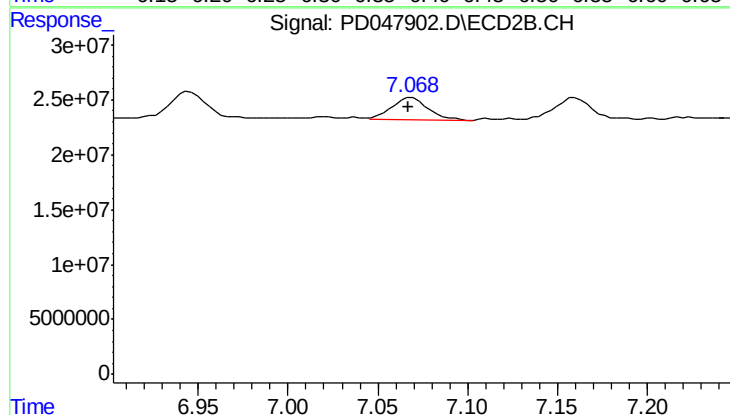
#17 4,4'-DDT

R.T.: 7.160 min  
Delta R.T.: 0.000 min  
Response: 25387171  
Conc: 1.50 ng/ml



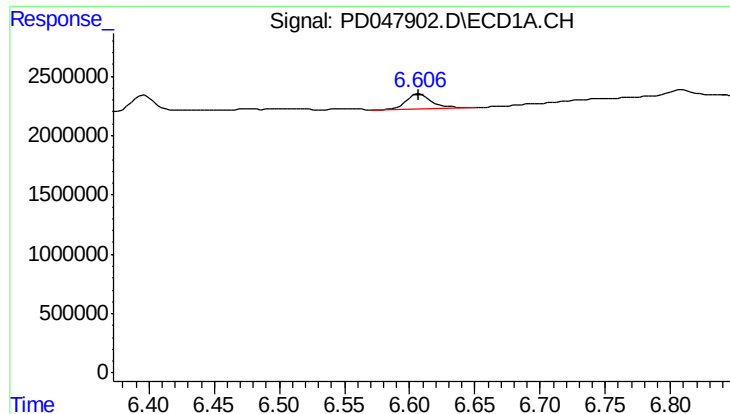
#18 Endrin aldehyde

R.T.: 6.396 min  
Delta R.T.: 0.000 min  
Response: 1655798  
Conc: 1.40 ng/ml



#18 Endrin aldehyde

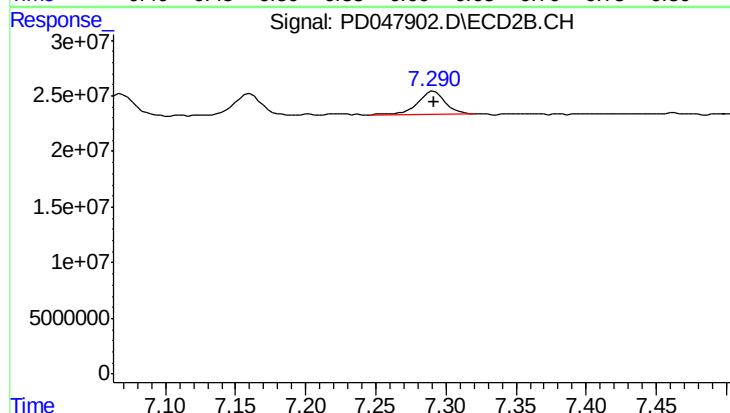
R.T.: 7.069 min  
Delta R.T.: 0.002 min  
Response: 27653100  
Conc: 1.70 ng/ml



#19 Endosulfan Sulfate

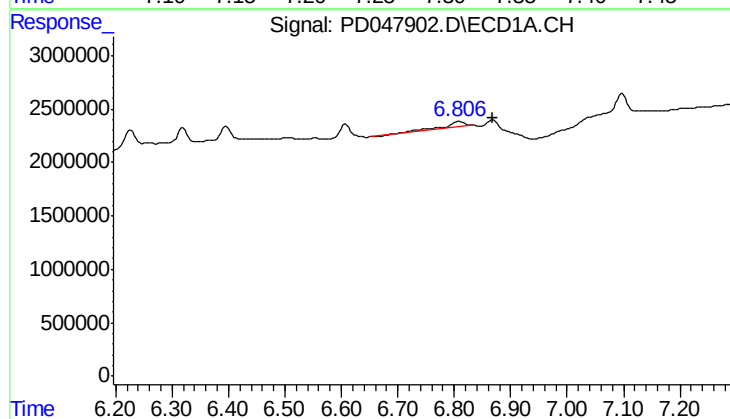
R.T.: 6.608 min  
Delta R.T.: 0.000 min  
Response: 1681893  
Conc: 1.23 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



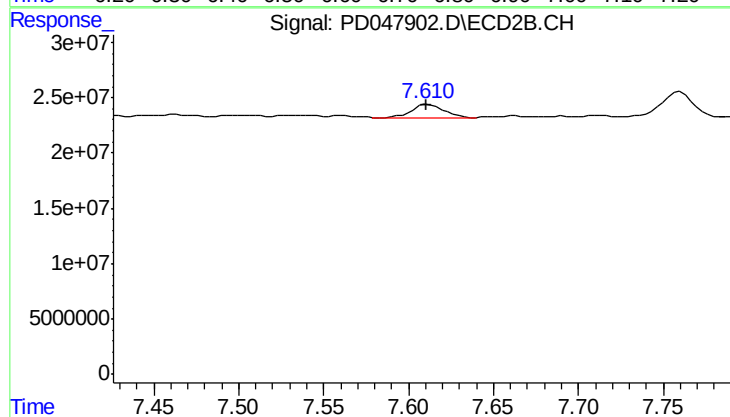
#19 Endosulfan Sulfate

R.T.: 7.291 min  
Delta R.T.: 0.000 min  
Response: 28000821  
Conc: 1.48 ng/ml



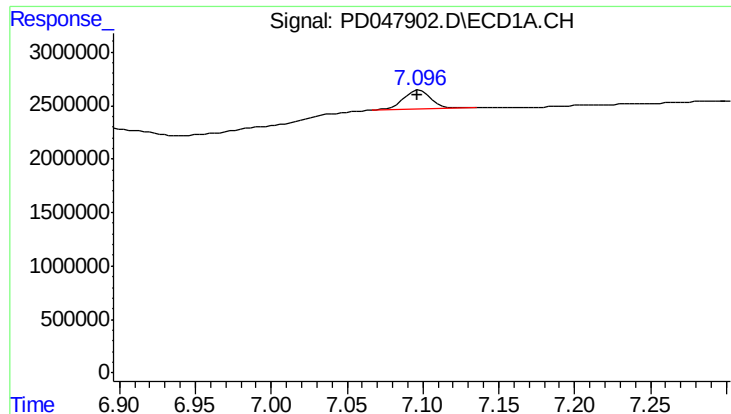
#20 Methoxychlor

R.T.: 6.809 min  
Delta R.T.: -0.060 min  
Response: 1653150  
Conc: 2.11 ng/ml



#20 Methoxychlor

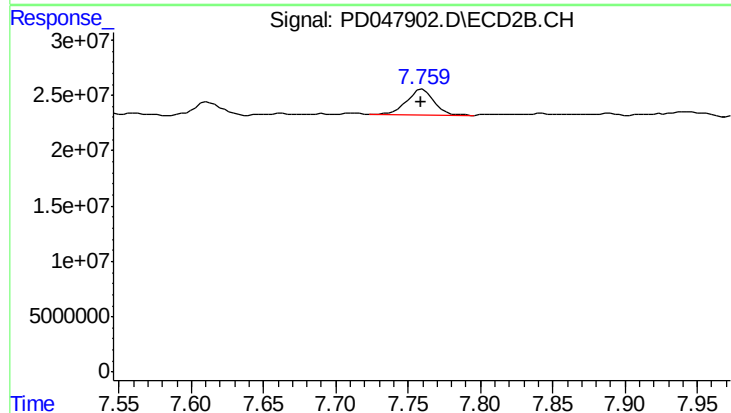
R.T.: 7.612 min  
Delta R.T.: 0.002 min  
Response: 15849389  
Conc: 1.73 ng/ml



#21 Endrin ketone

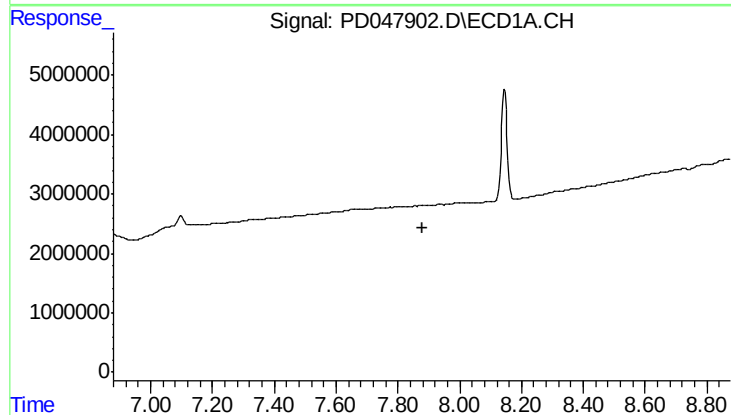
R.T.: 7.097 min  
Delta R.T.: 0.000 min  
Response: 2252937  
Conc: 1.35 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



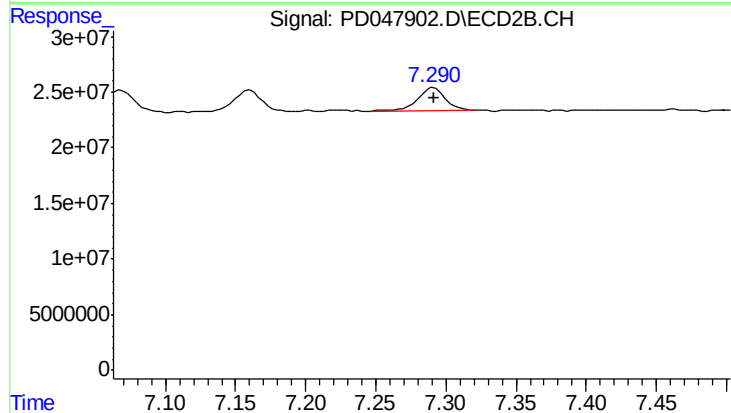
#21 Endrin ketone

R.T.: 7.760 min  
Delta R.T.: 0.000 min  
Response: 31047796  
Conc: 1.65 ng/ml



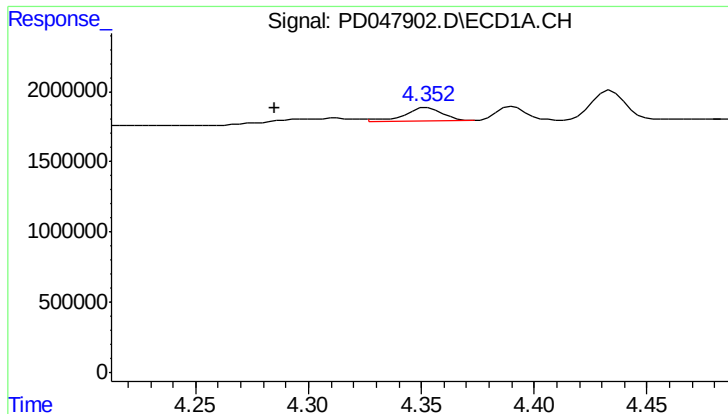
#22 Mirex

R.T.: 7.934 min  
Delta R.T.: 0.056 min  
Response: 6312051  
Conc: N.D.



#22 Mirex

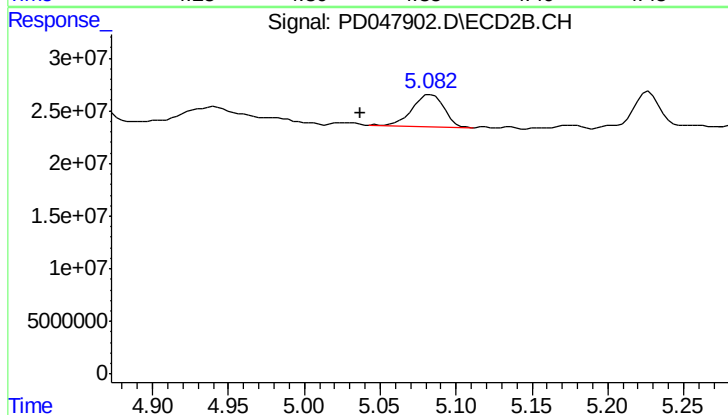
R.T.: 7.291 min  
Delta R.T.: 0.000 min  
Response: 28000821  
Conc: 1.45 ng/ml



#23 Chlordane-1

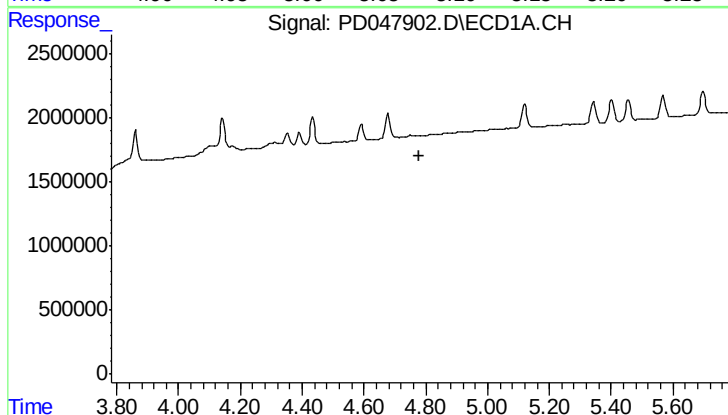
R.T.: 4.353 min  
Delta R.T.: 0.068 min  
Response: 1125348  
Conc: 19.48 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



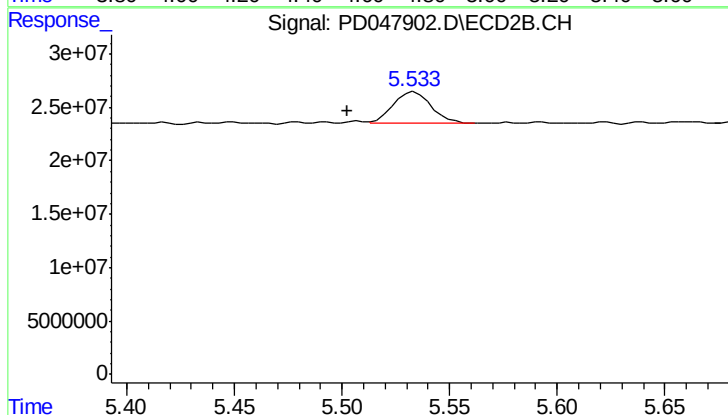
#23 Chlordane-1

R.T.: 5.083 min  
Delta R.T.: 0.046 min  
Response: 44033161  
Conc: 43.25 ng/ml



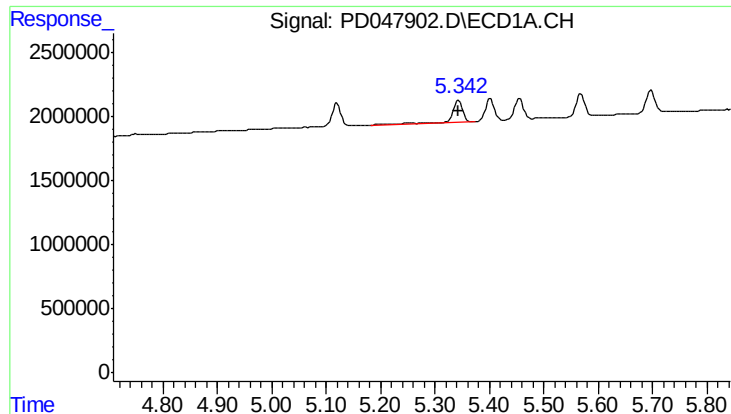
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T.: 4.780 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

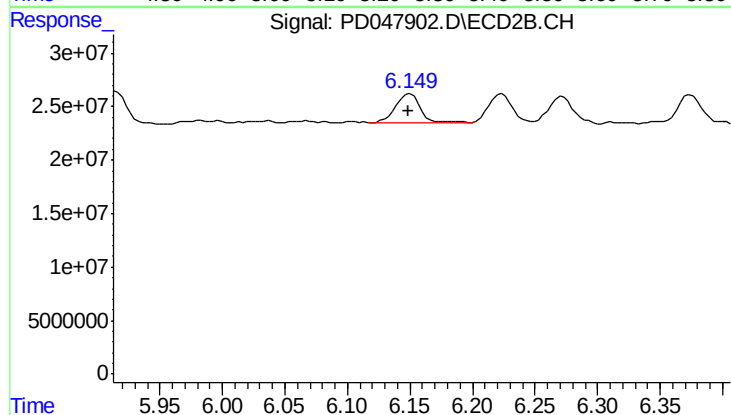
R.T.: 5.534 min  
Delta R.T.: 0.031 min  
Response: 36803934  
Conc: 38.98 ng/ml



#25 Chlordane-3

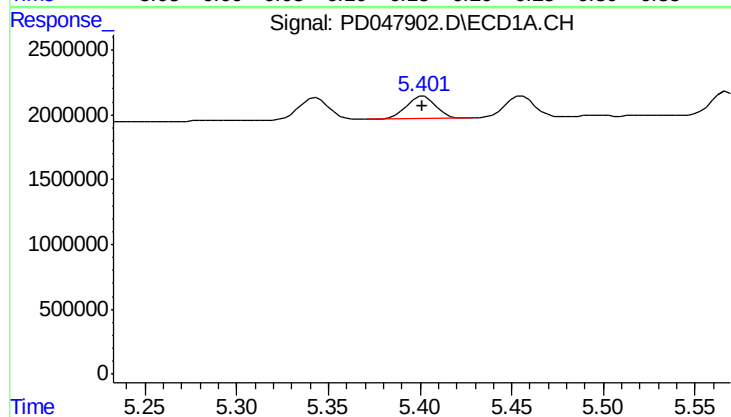
R.T.: 5.343 min  
Delta R.T.: 0.000 min  
Response: 2067336  
Conc: 11.51 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



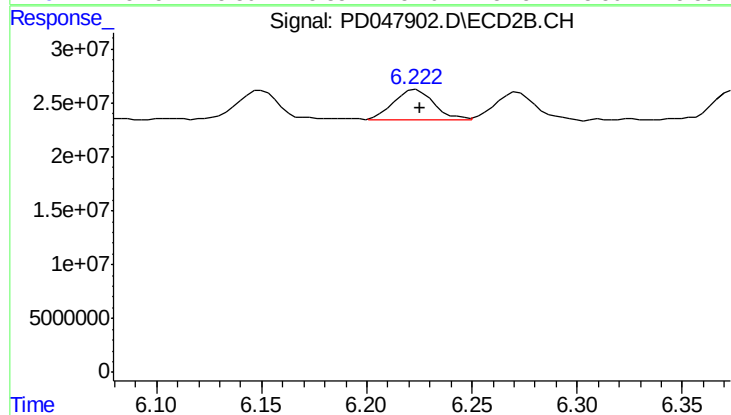
#25 Chlordane-3

R.T.: 6.150 min  
Delta R.T.: 0.000 min  
Response: 38269799  
Conc: 11.96 ng/ml



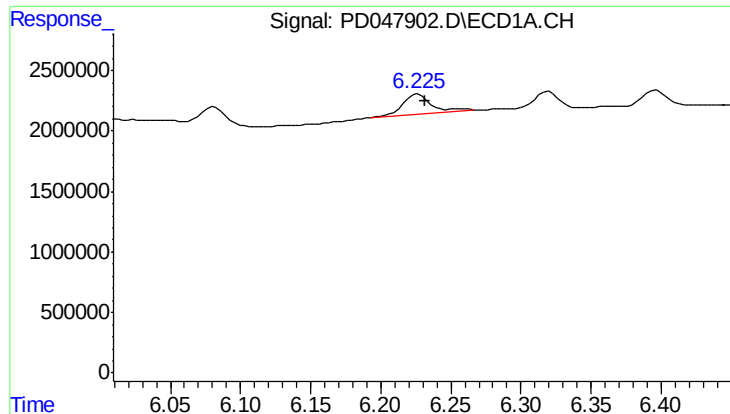
#26 Chlordane-4

R.T.: 5.402 min  
Delta R.T.: 0.000 min  
Response: 1918515  
Conc: 12.06 ng/ml



#26 Chlordane-4

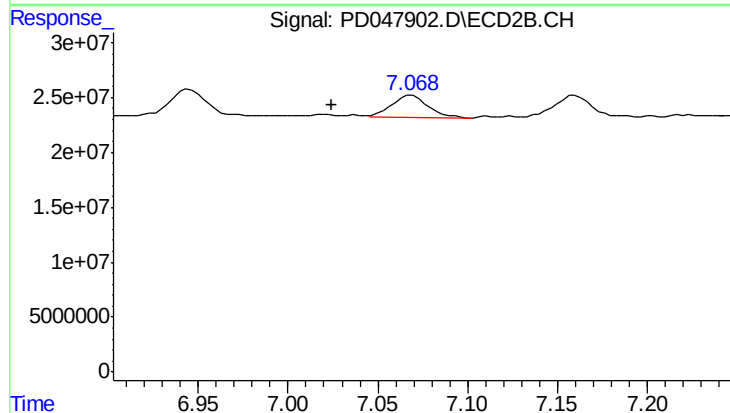
R.T.: 6.224 min  
Delta R.T.: -0.002 min  
Response: 37758412  
Conc: 10.26 ng/ml



#27 Chlordane-5

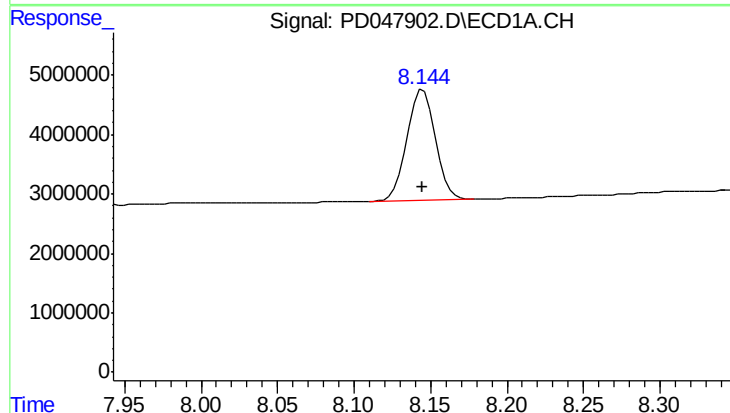
R.T.: 6.226 min  
Delta R.T.: -0.006 min  
Response: 2385823  
Conc: 40.21 ng/ml

Instrument :  
ECD\_O  
ClientSampleId :  
LOQ-SCM-Precision-Bias-1



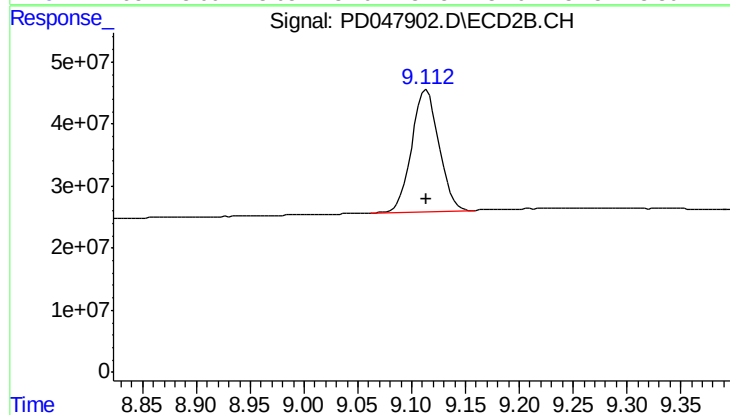
#27 Chlordane-5

R.T.: 7.069 min  
Delta R.T.: 0.045 min  
Response: 27653100  
Conc: 33.14 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.145 min  
Delta R.T.: 0.000 min  
Response: 23862412  
Conc: 16.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.114 min  
Delta R.T.: 0.000 min  
Response: 344282565  
Conc: 20.21 ng/ml