

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032319\  
 Data File : PL046377.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Mar 2019 19:58  
 Operator : AJ\SJ  
 Sample : K2014-05MSD  
 Misc :  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PST-026-SW038-031919MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 25 04:36:13 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Mar 22 13:40:08 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... | 3.360  | 3.979  | 152.9E6 | 47860634 | 21.013   | 20.903     |
| 28)                         | SA Decachlor... | 8.039  | 9.033  | 133.2E6 | 41035151 | 15.841   | 17.699     |
| Target Compounds            |                 |        |        |         |          |          |            |
| 2)                          | A alpha-BHC     | 3.789  | 4.369  | 635.0E6 | 164.1E6  | 54.447   | 51.059     |
| 3)                          | MA gamma-BHC... | 4.067  | 4.653  | 580.9E6 | 149.7E6  | 54.065   | 50.029     |
| 4)                          | MA Heptachlor   | 4.354  | 5.160  | 581.8E6 | 165.7E6  | 52.768   | 53.883     |
| 5)                          | MB Aldrin       | 4.594  | 5.464  | 544.8E6 | 153.1E6  | 52.814   | 53.444     |
| 6)                          | B beta-BHC      | 4.320  | 4.826  | 234.0E6 | 72597463 | 51.967   | 54.762     |
| 7)                          | B delta-BHC     | 4.515  | 5.042  | 507.7E6 | 110.0E6  | 50.151   | 47.427     |
| 8)                          | B Heptachlor... | 5.031  | 5.850  | 498.5E6 | 126.9E6  | 51.113   | 48.135     |
| 9)                          | A Endosulfan I  | 5.364  | 6.206  | 462.7E6 | 136.2E6  | 49.215   | 52.199     |
| 10)                         | B gamma-Chl...  | 5.254  | 6.084  | 511.4E6 | 147.4E6  | 49.786   | 51.929     |
| 11)                         | B alpha-Chl...  | 5.311  | 6.156  | 500.9E6 | 146.5E6  | 49.407   | 51.652     |
| 12)                         | B 4,4'-DDE      | 5.478  | 6.314  | 468.5E6 | 129.0E6  | 50.884   | 51.950     |
| 13)                         | MA Dieldrin     | 5.603  | 6.463  | 525.2E6 | 143.9E6  | 52.331   | 53.074     |
| 14)                         | MA Endrin       | 5.856  | 6.680  | 482.1E6 | 125.8E6  | 51.183   | 52.622     |
| 15)                         | B Endosulfa...  | 6.131  | 6.891  | 440.5E6 | 122.6E6  | 49.170   | 50.795     |
| 16)                         | A 4,4'-DDD      | 5.989  | 6.804  | 371.8E6 | 107.9E6  | 49.182   | 53.609     |
| 17)                         | MA 4,4'-DDT     | 6.225  | 7.103  | 395.4E6 | 96574959 | 52.206   | 46.055     |
| 18)                         | B Endrin al...  | 6.298  | 7.014  | 359.5E6 | 102.4E6  | 47.962   | 48.201     |
| 19)                         | B Endosulfa...  | 6.509  | 7.237  | 420.6E6 | 101.7E6  | 51.226   | 43.116     |
| 20)                         | A Methoxychlor  | 6.769  | 7.561  | 211.0E6 | 61460802 | 49.643   | 48.213     |
| 21)                         | B Endrin ke...  | 6.991  | 7.706  | 446.2E6 | 121.7E6  | 48.250   | 48.985     |
| 22)                         | Mirex           | 7.169  | 8.159  | 299.4E6 | 86687994 | 41.092   | 43.340     |
| 23)                         | Chlordane-1     | 4.233f | 0.000  | 6697664 | 0        | 19.916   | N.D. #     |
| 24)                         | Chlordane-2     | 0.000  | 5.464f | 0       | 153.1E6  | N.D.     | 1310.823 # |
| 25)                         | Chlordane-3     | 5.254  | 6.084  | 511.4E6 | 147.4E6  | 459.226  | 386.548    |
| 26)                         | Chlordane-4     | 5.311  | 6.156  | 500.9E6 | 146.5E6  | 484.442  | 317.535 #  |
| 27)                         | Chlordane-5     | 6.131  | 0.000  | 440.5E6 | 0        | 1290.906 | N.D. #     |
| -----                       |                 |        |        |         |          |          |            |

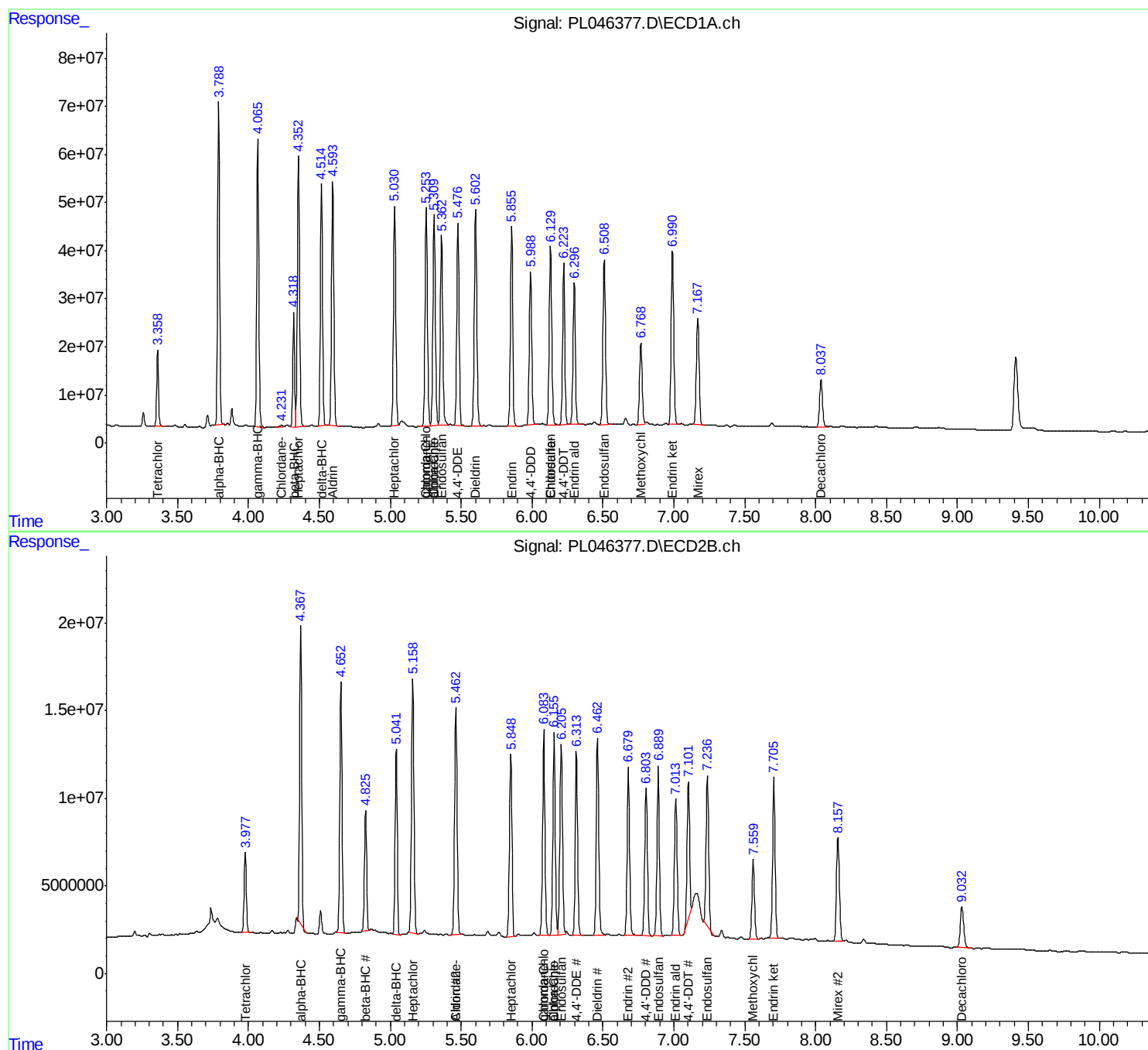
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

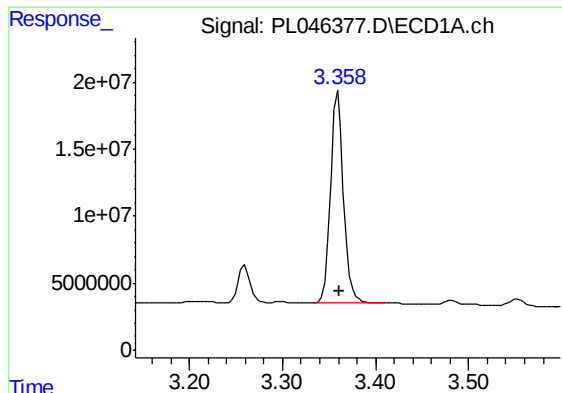
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL032319\  
Data File : PL046377.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 23 Mar 2019 19:58  
Operator : AJ\SJ  
Sample : K2014-05MSD  
Misc :  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 25 04:36:13 2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL032219.M  
Quant Title : GC Extractables  
QLast Update : Fri Mar 22 13:40:08 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

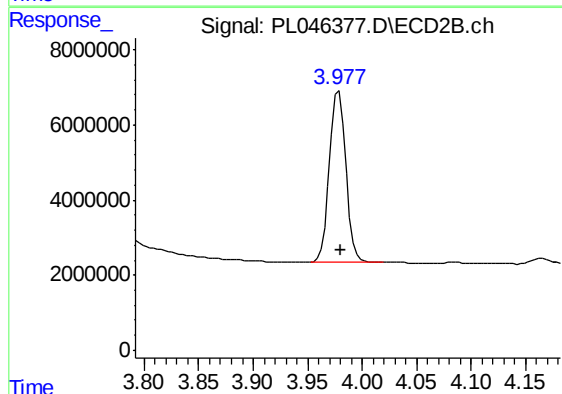




#1 Tetrachloro-m-xylene

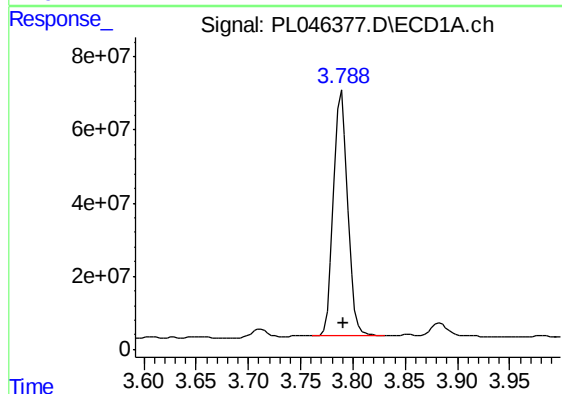
R.T.: 3.360 min  
Delta R.T.: -0.001 min  
Response: 152861318  
Conc: 21.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



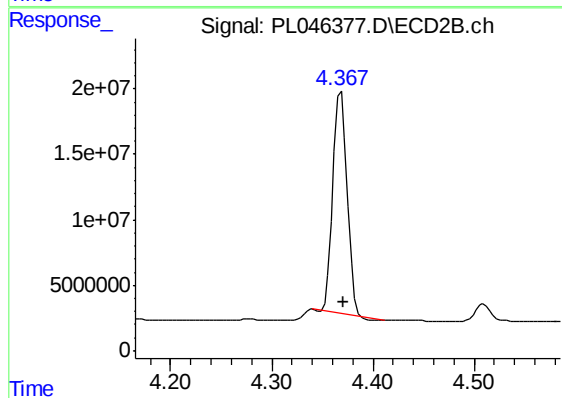
#1 Tetrachloro-m-xylene

R.T.: 3.979 min  
Delta R.T.: -0.002 min  
Response: 47860634  
Conc: 20.90 ng/ml



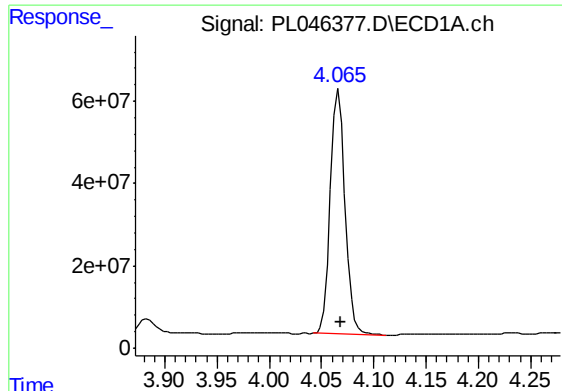
#2 alpha-BHC

R.T.: 3.789 min  
Delta R.T.: -0.001 min  
Response: 634961733  
Conc: 54.45 ng/ml



#2 alpha-BHC

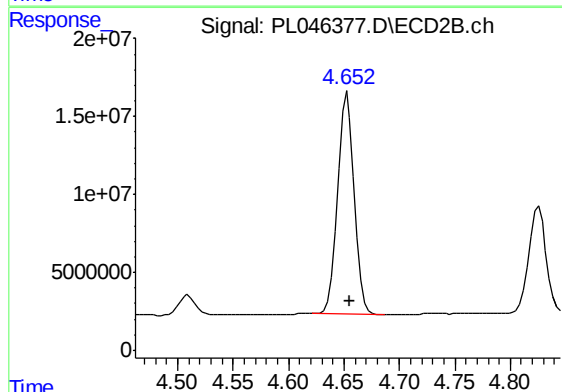
R.T.: 4.369 min  
Delta R.T.: -0.002 min  
Response: 164067816  
Conc: 51.06 ng/ml



#3 gamma-BHC (Lindane)

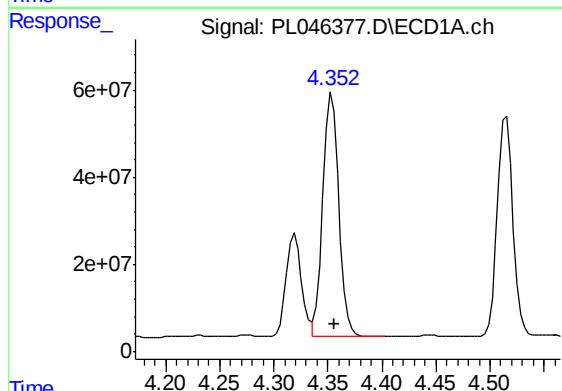
R.T.: 4.067 min  
Delta R.T.: -0.002 min  
Response: 580901231  
Conc: 54.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



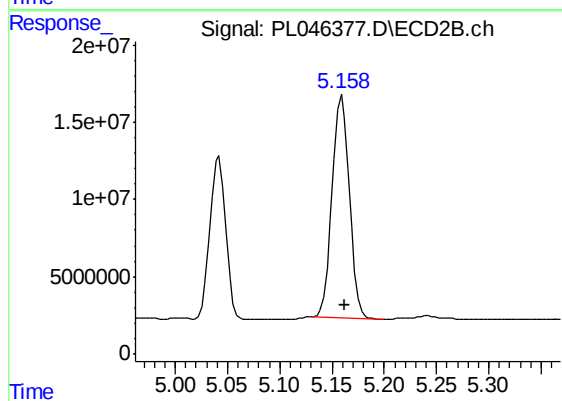
#3 gamma-BHC (Lindane)

R.T.: 4.653 min  
Delta R.T.: -0.002 min  
Response: 149738575  
Conc: 50.03 ng/ml



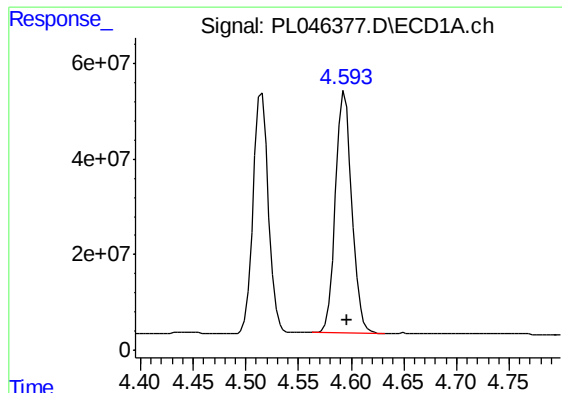
#4 Heptachlor

R.T.: 4.354 min  
Delta R.T.: -0.002 min  
Response: 581779484  
Conc: 52.77 ng/ml



#4 Heptachlor

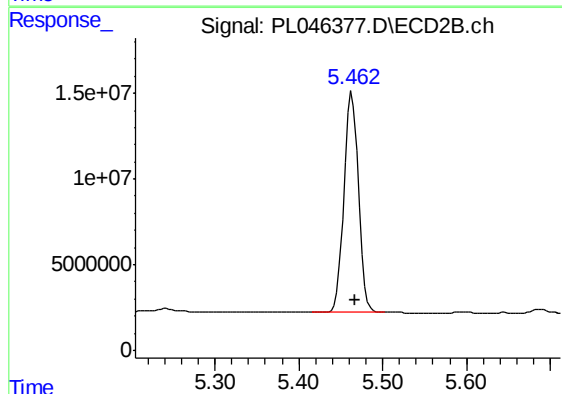
R.T.: 5.160 min  
Delta R.T.: -0.003 min  
Response: 165737926  
Conc: 53.88 ng/ml



#5 Aldrin

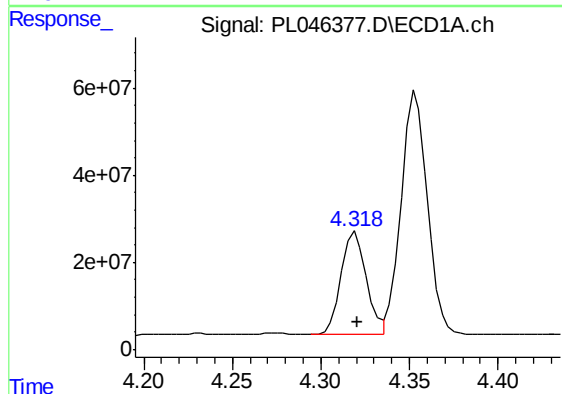
R.T.: 4.594 min  
Delta R.T.: -0.002 min  
Response: 544775526  
Conc: 52.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



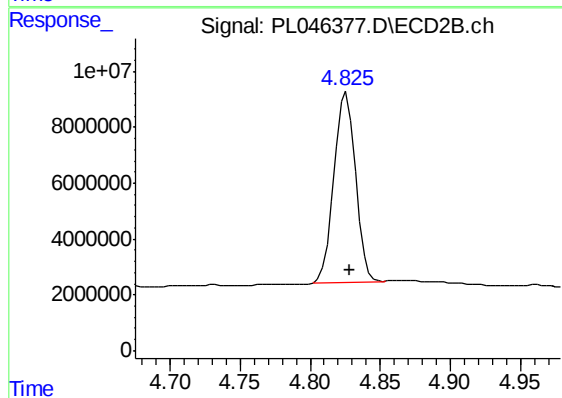
#5 Aldrin

R.T.: 5.464 min  
Delta R.T.: -0.003 min  
Response: 153116246  
Conc: 53.44 ng/ml



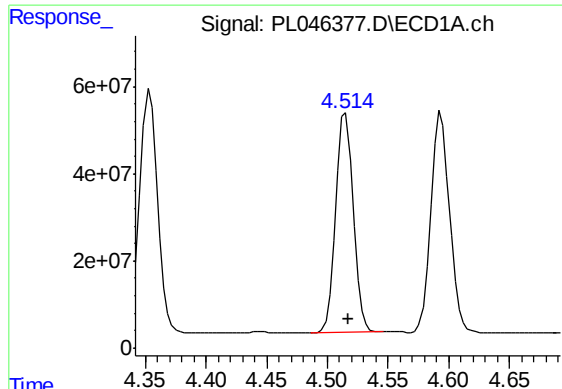
#6 beta-BHC

R.T.: 4.320 min  
Delta R.T.: -0.001 min  
Response: 233976002  
Conc: 51.97 ng/ml



#6 beta-BHC

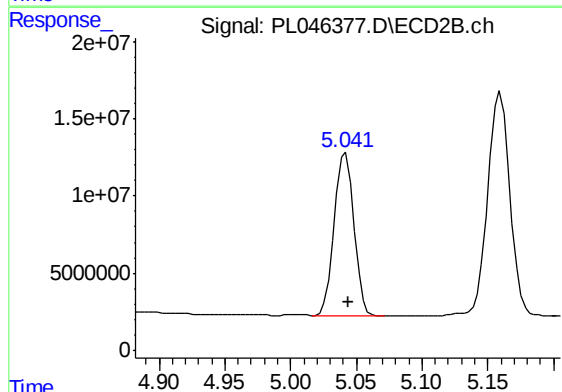
R.T.: 4.826 min  
Delta R.T.: -0.002 min  
Response: 72597463  
Conc: 54.76 ng/ml



#7 delta-BHC

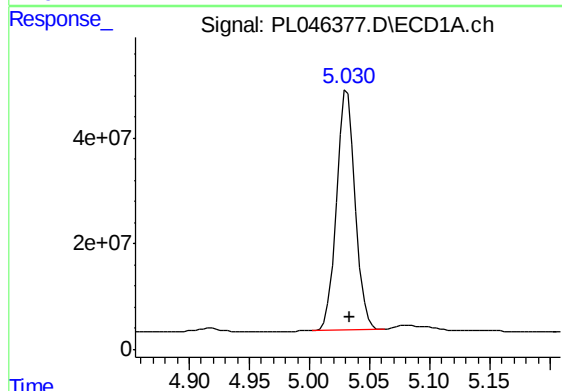
R.T.: 4.515 min  
Delta R.T.: -0.002 min  
Response: 507683059  
Conc: 50.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



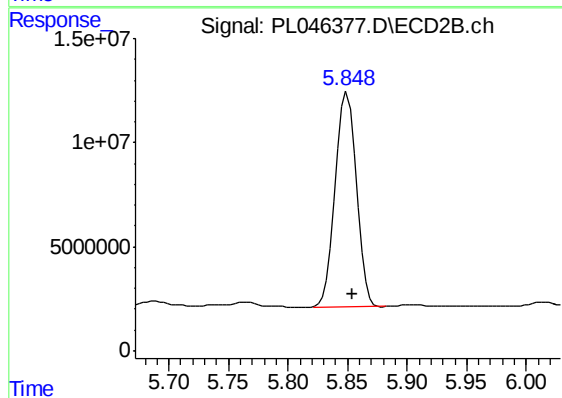
#7 delta-BHC

R.T.: 5.042 min  
Delta R.T.: -0.002 min  
Response: 110037784  
Conc: 47.43 ng/ml



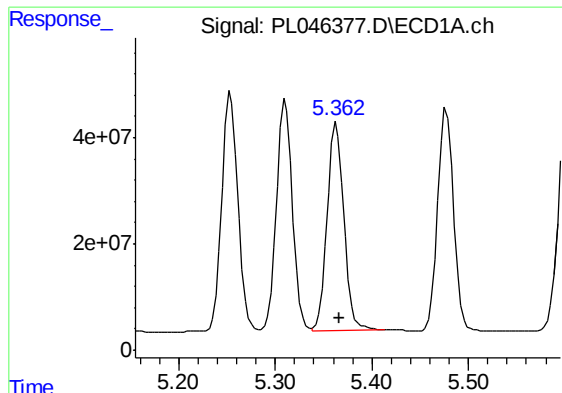
#8 Heptachlor epoxide

R.T.: 5.031 min  
Delta R.T.: -0.002 min  
Response: 498530763  
Conc: 51.11 ng/ml



#8 Heptachlor epoxide

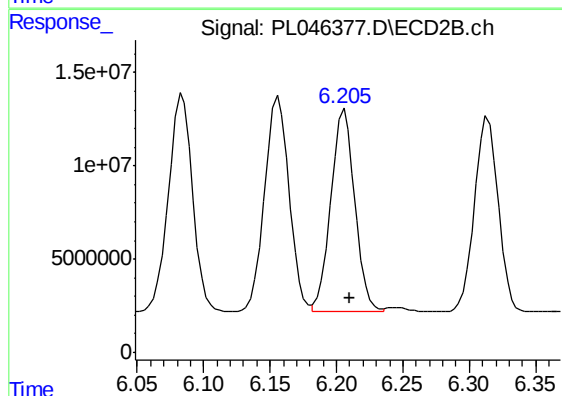
R.T.: 5.850 min  
Delta R.T.: -0.004 min  
Response: 126940797  
Conc: 48.13 ng/ml



#9 Endosulfan I

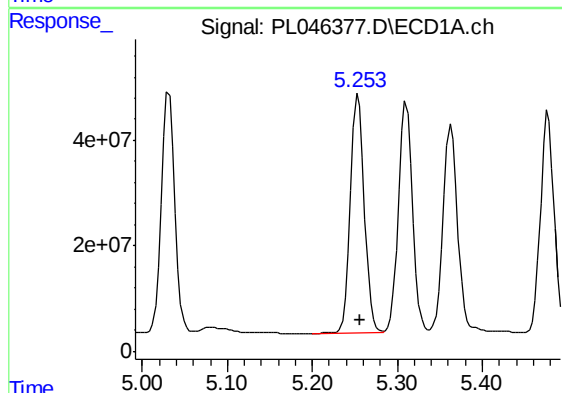
R.T.: 5.364 min  
Delta R.T.: -0.003 min  
Response: 462732031  
Conc: 49.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



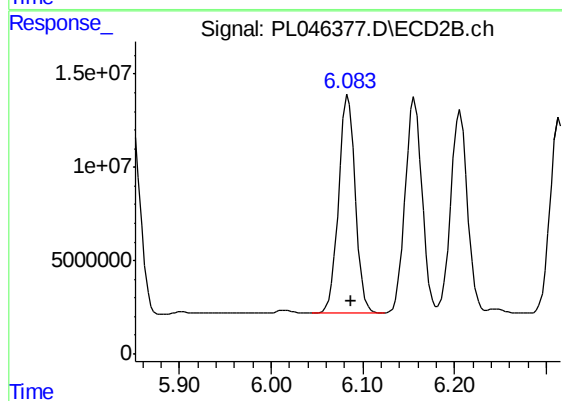
#9 Endosulfan I

R.T.: 6.206 min  
Delta R.T.: -0.004 min  
Response: 136233216  
Conc: 52.20 ng/ml



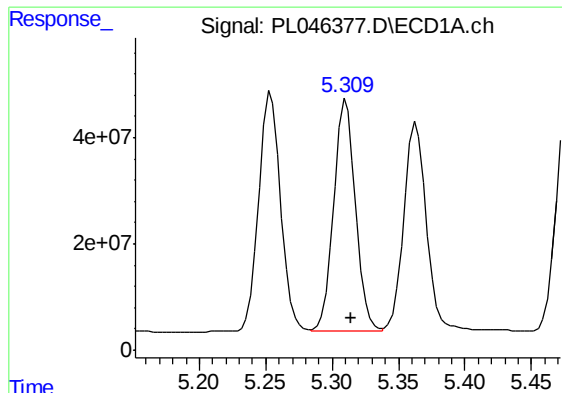
#10 gamma-Chlordane

R.T.: 5.254 min  
Delta R.T.: -0.003 min  
Response: 511427556  
Conc: 49.79 ng/ml



#10 gamma-Chlordane

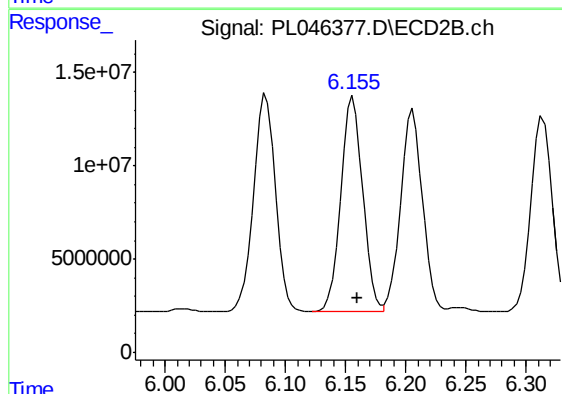
R.T.: 6.084 min  
Delta R.T.: -0.004 min  
Response: 147378193  
Conc: 51.93 ng/ml



#11 alpha-Chlordane

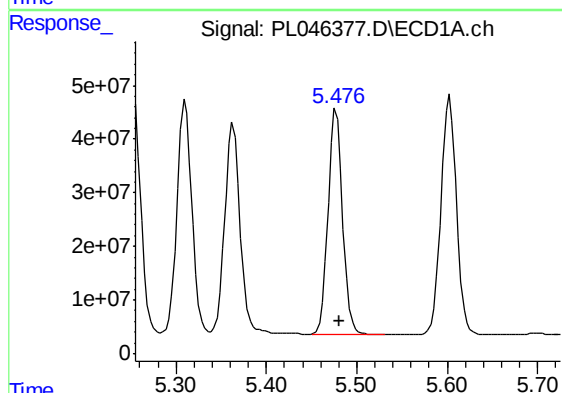
R.T.: 5.311 min  
Delta R.T.: -0.003 min  
Response: 500941949  
Conc: 49.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



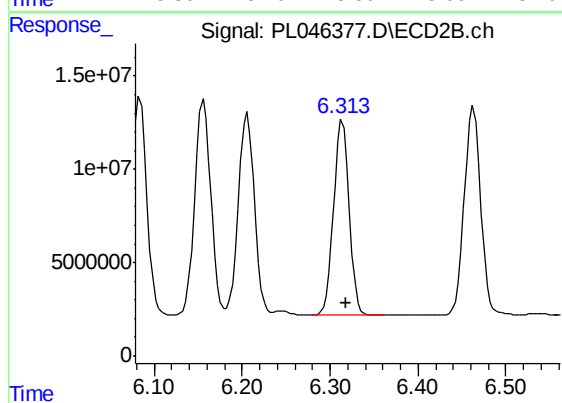
#11 alpha-Chlordane

R.T.: 6.156 min  
Delta R.T.: -0.004 min  
Response: 146518581  
Conc: 51.65 ng/ml



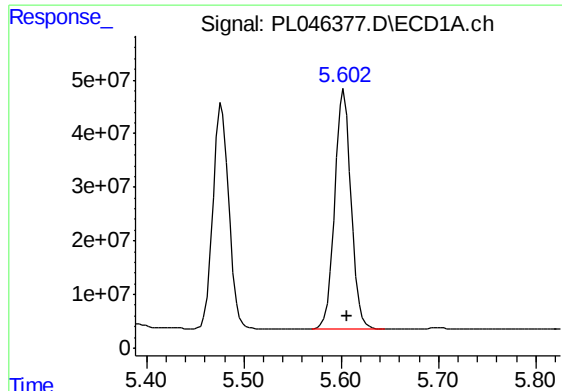
#12 4,4'-DDE

R.T.: 5.478 min  
Delta R.T.: -0.003 min  
Response: 468485152  
Conc: 50.88 ng/ml



#12 4,4'-DDE

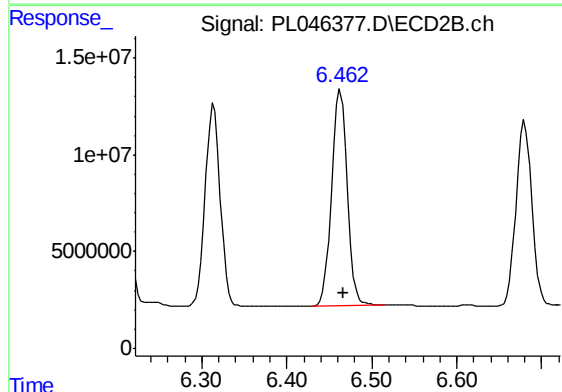
R.T.: 6.314 min  
Delta R.T.: -0.004 min  
Response: 128957080  
Conc: 51.95 ng/ml



#13 Dielddrin

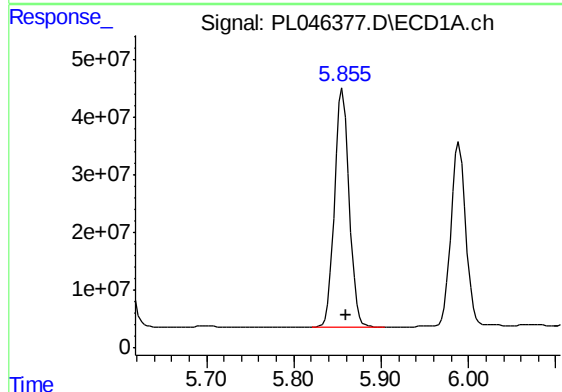
R.T.: 5.603 min  
Delta R.T.: -0.003 min  
Response: 525167043  
Conc: 52.33 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



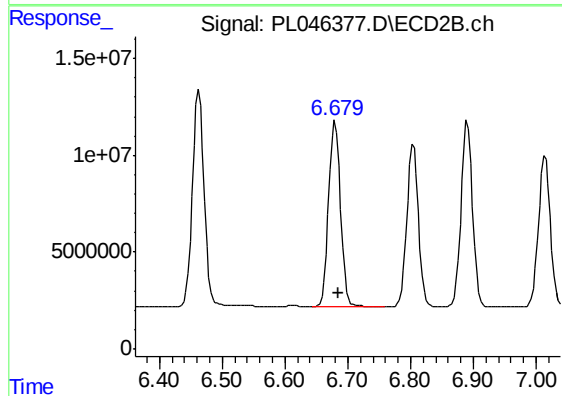
#13 Dielddrin

R.T.: 6.463 min  
Delta R.T.: -0.004 min  
Response: 143866892  
Conc: 53.07 ng/ml



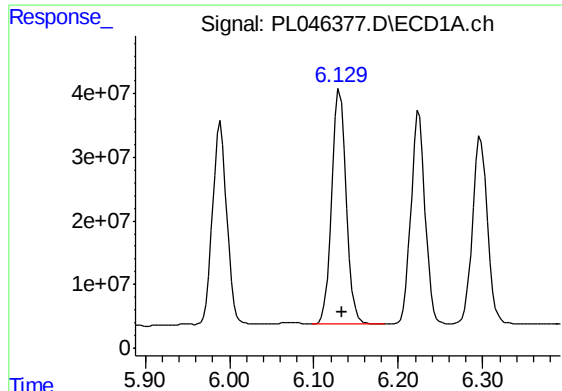
#14 Endrin

R.T.: 5.856 min  
Delta R.T.: -0.003 min  
Response: 482105021  
Conc: 51.18 ng/ml



#14 Endrin

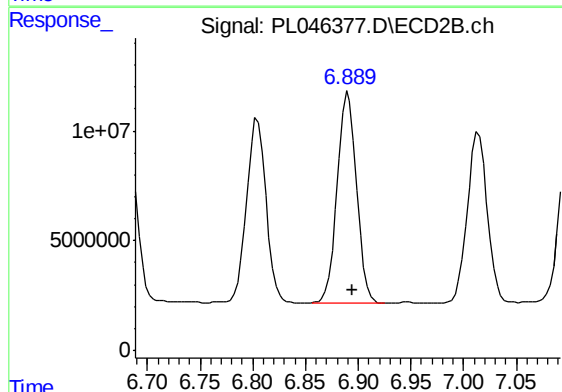
R.T.: 6.680 min  
Delta R.T.: -0.004 min  
Response: 125754229  
Conc: 52.62 ng/ml



#15 Endosulfan II

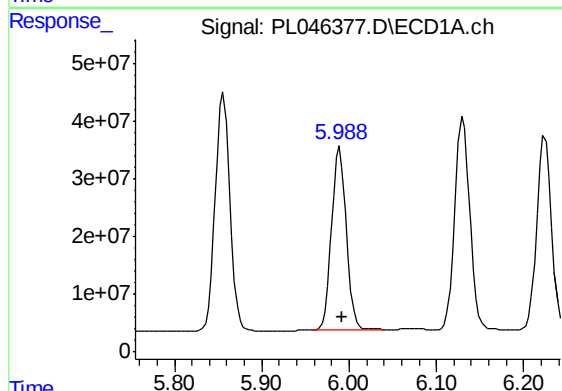
R.T.: 6.131 min  
Delta R.T.: -0.004 min  
Response: 440543749  
Conc: 49.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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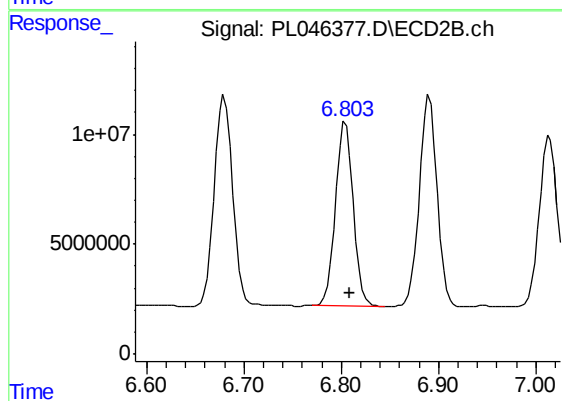
#15 Endosulfan II

R.T.: 6.891 min  
Delta R.T.: -0.004 min  
Response: 122563325  
Conc: 50.80 ng/ml



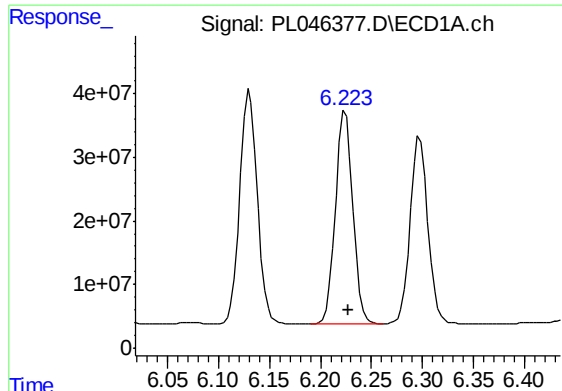
#16 4,4'-DDD

R.T.: 5.989 min  
Delta R.T.: -0.003 min  
Response: 371767426  
Conc: 49.18 ng/ml



#16 4,4'-DDD

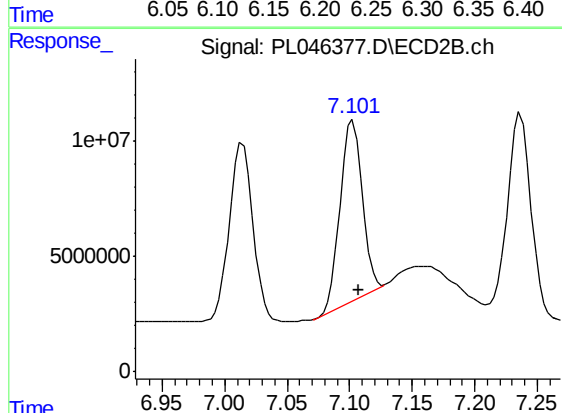
R.T.: 6.804 min  
Delta R.T.: -0.004 min  
Response: 107862651  
Conc: 53.61 ng/ml



#17 4,4'-DDT

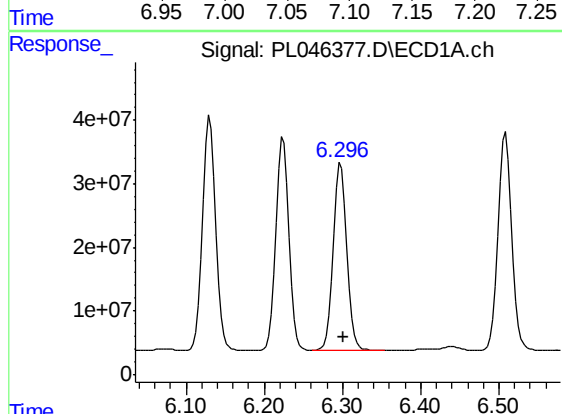
R.T.: 6.225 min  
Delta R.T.: -0.003 min  
Response: 395427731  
Conc: 52.21 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



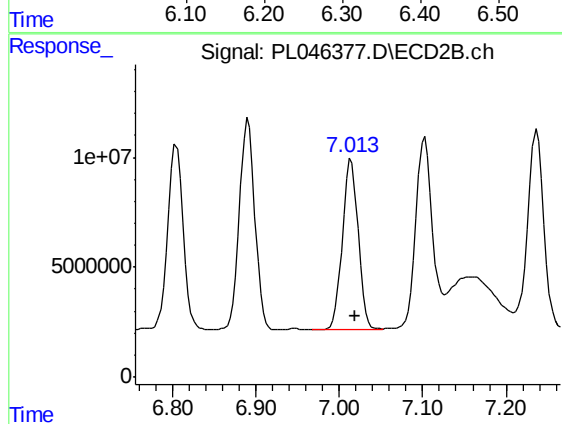
#17 4,4'-DDT

R.T.: 7.103 min  
Delta R.T.: -0.004 min  
Response: 96574959  
Conc: 46.05 ng/ml



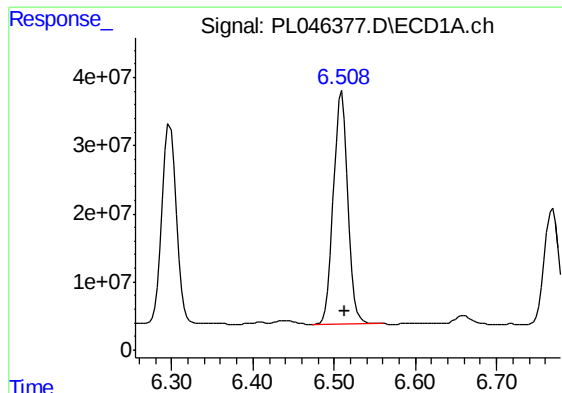
#18 Endrin aldehyde

R.T.: 6.298 min  
Delta R.T.: -0.004 min  
Response: 359480451  
Conc: 47.96 ng/ml



#18 Endrin aldehyde

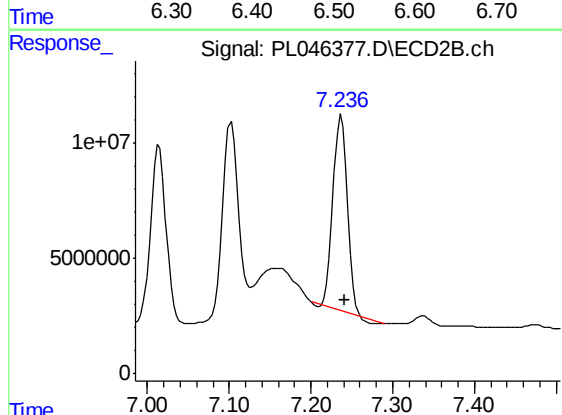
R.T.: 7.014 min  
Delta R.T.: -0.004 min  
Response: 102379237  
Conc: 48.20 ng/ml



#19 Endosulfan Sulfate

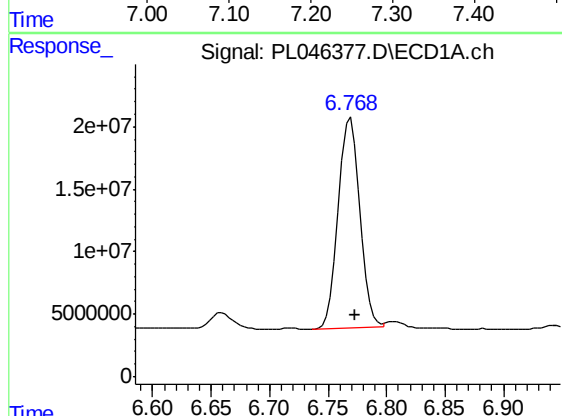
R.T.: 6.509 min  
Delta R.T.: -0.004 min  
Response: 420625284  
Conc: 51.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



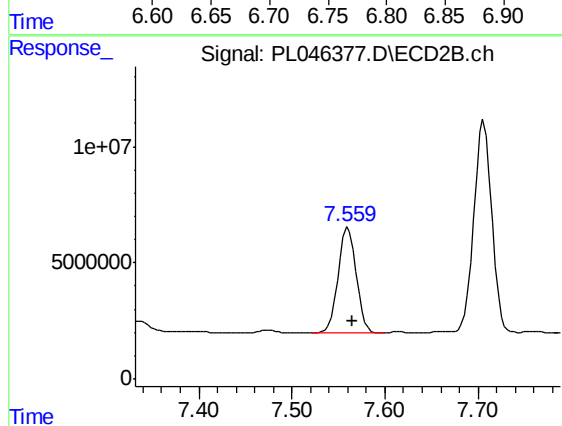
#19 Endosulfan Sulfate

R.T.: 7.237 min  
Delta R.T.: -0.005 min  
Response: 101709638  
Conc: 43.12 ng/ml



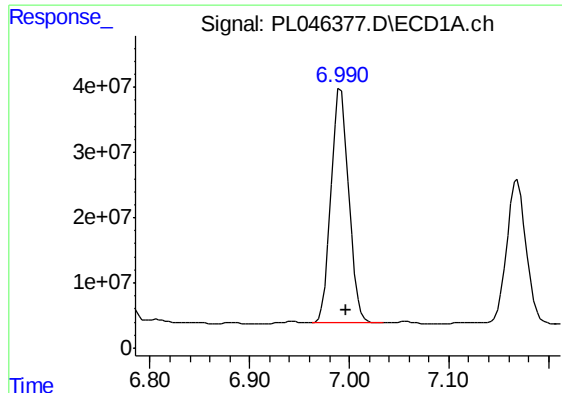
#20 Methoxychlor

R.T.: 6.769 min  
Delta R.T.: -0.004 min  
Response: 210974418  
Conc: 49.64 ng/ml



#20 Methoxychlor

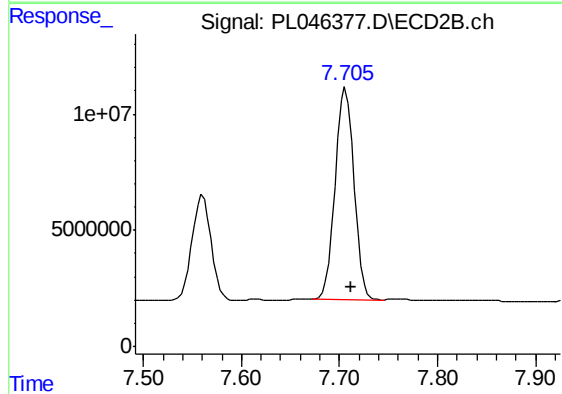
R.T.: 7.561 min  
Delta R.T.: -0.005 min  
Response: 61460802  
Conc: 48.21 ng/ml



#21 Endrin ketone

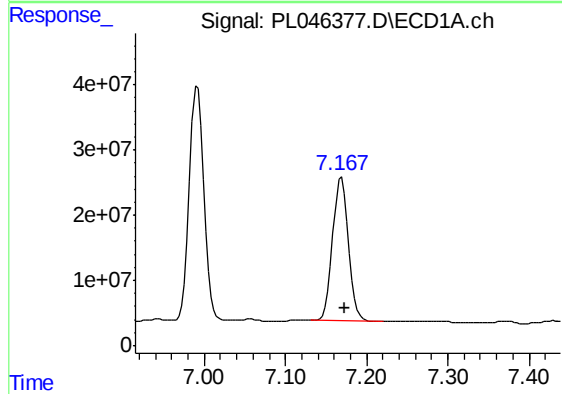
R.T.: 6.991 min  
Delta R.T.: -0.005 min  
Response: 446155663  
Conc: 48.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



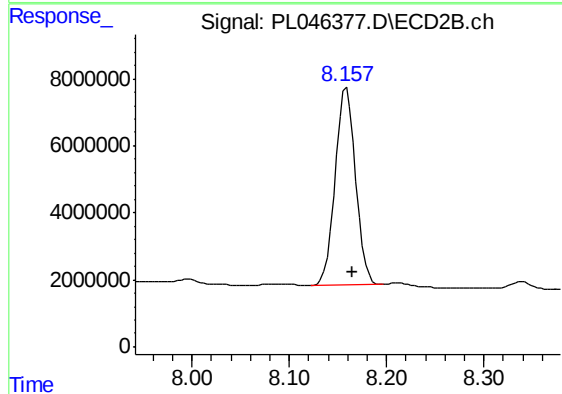
#21 Endrin ketone

R.T.: 7.706 min  
Delta R.T.: -0.005 min  
Response: 121704383  
Conc: 48.98 ng/ml



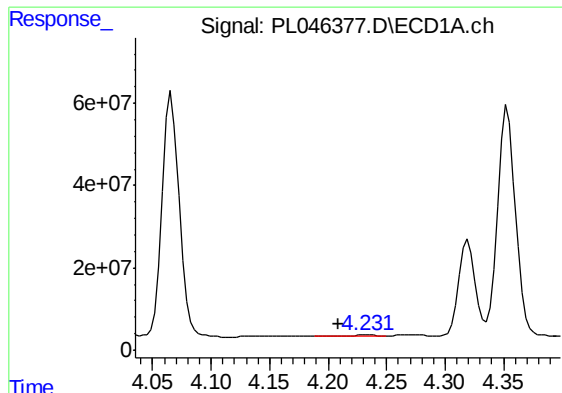
#22 Mirex

R.T.: 7.169 min  
Delta R.T.: -0.004 min  
Response: 299378809  
Conc: 41.09 ng/ml



#22 Mirex

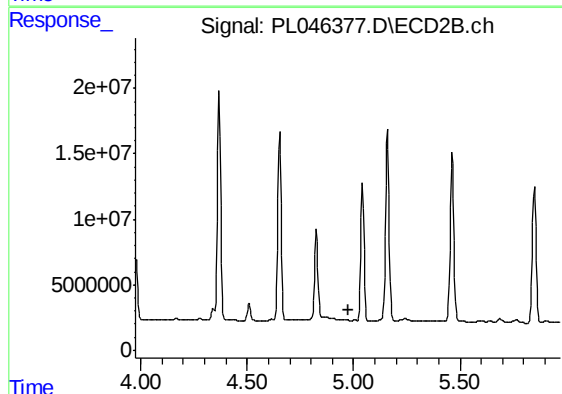
R.T.: 8.159 min  
Delta R.T.: -0.006 min  
Response: 86687994  
Conc: 43.34 ng/ml



#23 Chlordane-1

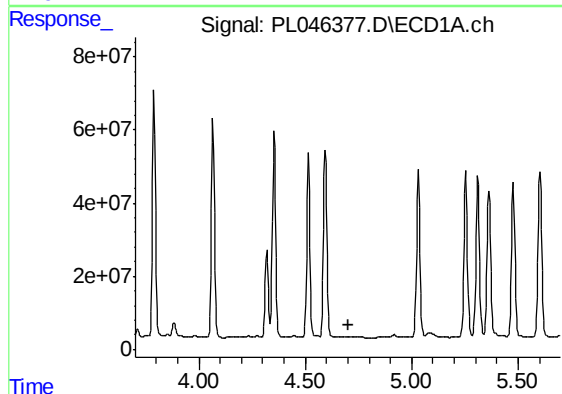
R.T.: 4.233 min  
Delta R.T.: 0.024 min  
Response: 6697664  
Conc: 19.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



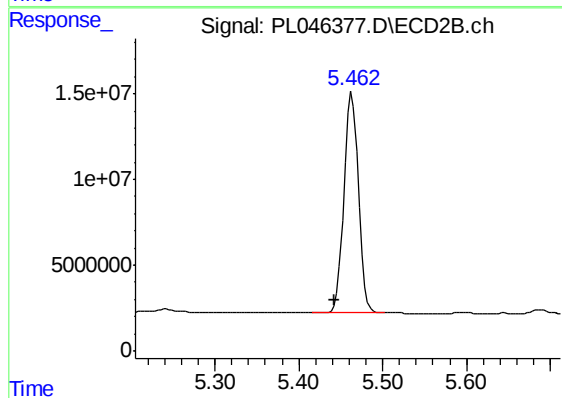
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 4.975 min  
Response: 0  
Conc: N.D.



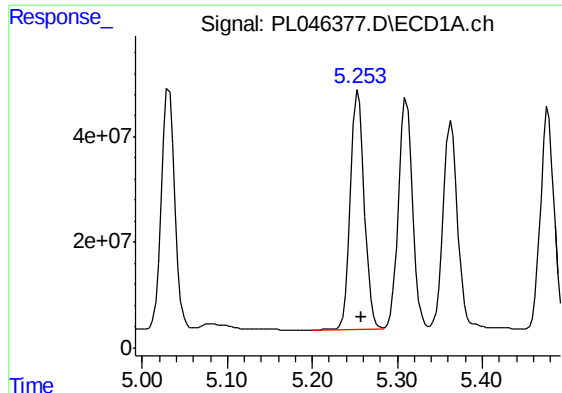
#24 Chlordane-2

R.T.: 0.000 min  
Exp R.T. : 4.701 min  
Response: 0  
Conc: N.D.



#24 Chlordane-2

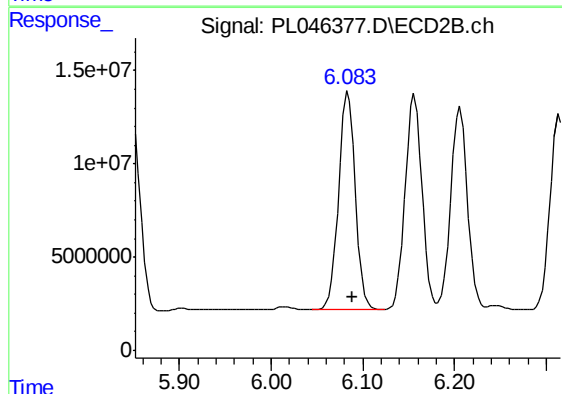
R.T.: 5.464 min  
Delta R.T.: 0.021 min  
Response: 153116246  
Conc: 1310.82 ng/ml



#25 Chlordane-3

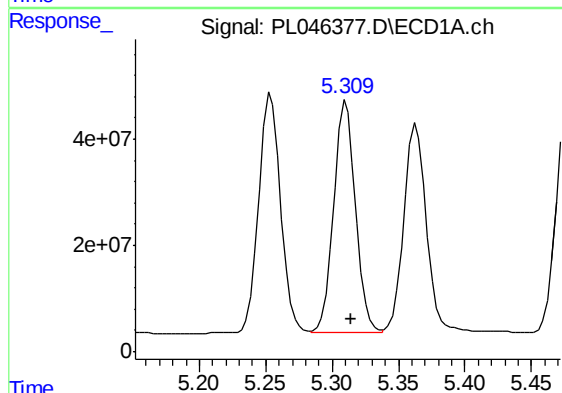
R.T.: 5.254 min  
Delta R.T.: -0.004 min  
Response: 511427556  
Conc: 459.23 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



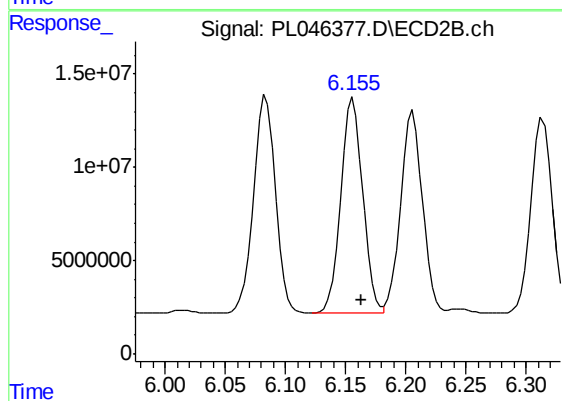
#25 Chlordane-3

R.T.: 6.084 min  
Delta R.T.: -0.005 min  
Response: 147378193  
Conc: 386.55 ng/ml



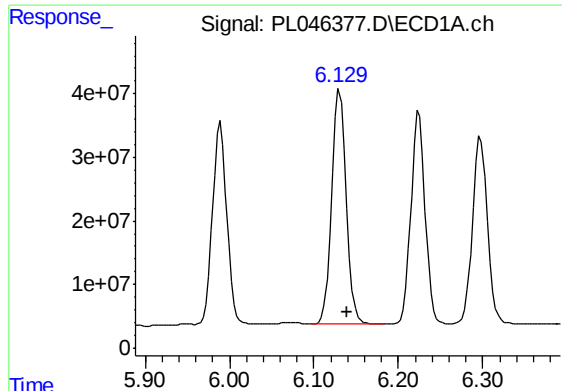
#26 Chlordane-4

R.T.: 5.311 min  
Delta R.T.: -0.004 min  
Response: 500941949  
Conc: 484.44 ng/ml



#26 Chlordane-4

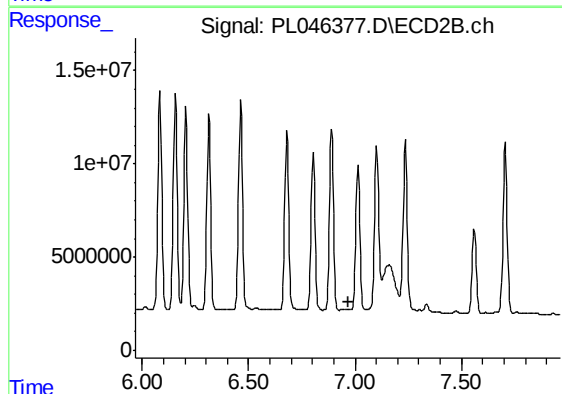
R.T.: 6.156 min  
Delta R.T.: -0.007 min  
Response: 146518581  
Conc: 317.54 ng/ml



#27 Chlordane-5

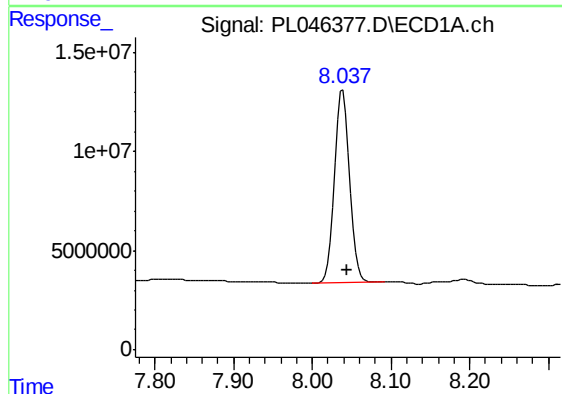
R.T.: 6.131 min  
Delta R.T.: -0.009 min  
Response: 440543749  
Conc: 1290.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PST-026-SW038-031919MSD



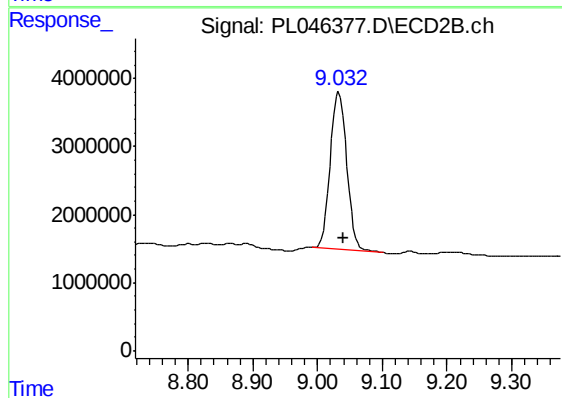
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.967 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.039 min  
Delta R.T.: -0.006 min  
Response: 133240178  
Conc: 15.84 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.033 min  
Delta R.T.: -0.007 min  
Response: 41035151  
Conc: 17.70 ng/ml