

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031220\  
 Data File : PL057316.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 Mar 2020 21:43  
 Operator : AJ\MA  
 Sample : L1752-04MSD  
 Misc :  
 ALS Vial : 37 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 HD-01-031120MSD

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 13 06:09:18 2020  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030320.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Mar 11 17:44:01 2020  
 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... | 3.459  | 3.958  | 200.1E6  | 47334672 | 23.479   | 22.186     |
| 28)                         | SA Decachlor... | 8.206  | 8.978  | 215.1E6  | 45996405 | 22.256   | 21.648     |
| Target Compounds            |                 |        |        |          |          |          |            |
| 2)                          | A alpha-BHC     | 3.896  | 4.345  | 893.2E6  | 183.8E6  | 60.273   | 58.191     |
| 3)                          | MA gamma-BHC... | 4.180  | 4.627  | 836.2E6  | 172.7E6  | 60.854   | 55.540     |
| 4)                          | MA Heptachlor   | 4.480  | 5.129  | 857.3E6  | 179.8E6  | 63.114   | 57.784     |
| 5)                          | MB Aldrin       | 4.728  | 5.431  | 810.4E6  | 179.2E6  | 62.757   | 59.937     |
| 6)                          | B beta-BHC      | 4.431  | 4.800  | 351.1E6  | 84349276 | 66.273   | 59.849     |
| 7)                          | B delta-BHC     | 4.635  | 5.014  | 799.9E6  | 134.4E6  | 61.313   | 55.194     |
| 8)                          | B Heptachlor... | 5.170  | 5.815  | 748.0E6  | 157.2E6  | 61.817   | 56.732     |
| 9)                          | A Endosulfan I  | 5.509  | 6.170  | 697.2E6  | 161.3E6  | 61.505   | 57.730     |
| 10)                         | B gamma-Chl...  | 5.397  | 6.049  | 758.7E6  | 175.2E6  | 61.080   | 58.530     |
| 11)                         | B alpha-Chl...  | 5.455  | 6.121  | 733.1E6  | 172.8E6  | 59.669   | 57.310     |
| 12)                         | B 4,4'-DDE      | 5.619  | 6.280  | 729.5E6  | 163.2E6  | 62.253   | 57.503     |
| 13)                         | MA Dieldrin     | 5.752  | 6.426  | 755.1E6  | 168.0E6  | 61.761   | 57.063     |
| 14)                         | MA Endrin       | 6.009  | 6.642  | 652.6E6  | 136.6E6  | 59.982   | 52.990     |
| 15)                         | B Endosulfa...  | 6.282  | 6.852  | 615.8E6  | 139.9E6  | 57.023   | 49.850     |
| 16)                         | A 4,4'-DDD      | 6.135  | 6.768  | 577.7E6  | 132.0E6  | 59.673   | 54.188     |
| 17)                         | MA 4,4'-DDT     | 6.374  | 7.065  | 544.3E6  | 122.4E6  | 55.621   | 49.743     |
| 18)                         | B Endrin al...  | 6.450  | 6.976  | 515.1E6  | 122.2E6  | 57.576   | 52.719     |
| 19)                         | B Endosulfa...  | 6.663  | 7.198  | 597.6E6  | 137.3E6  | 59.838   | 54.756     |
| 20)                         | A Methoxychlor  | 6.919  | 7.524  | 272.1E6  | 65661352 | 54.564   | 52.558     |
| 21)                         | B Endrin ke...  | 7.153  | 7.666  | 658.2E6  | 147.5E6  | 58.289   | 53.820     |
| 22)                         | Mirex           | 7.341  | 8.115  | 460.9E6  | 103.9E6  | 56.879   | 54.207     |
| 23)                         | Chlordane-1     | 4.357f | 0.000  | 17610845 | 0        | 57.940   | N.D. #     |
| 24)                         | Chlordane-2     | 4.852f | 5.431f | 11117992 | 179.2E6  | 31.526   | 1876.945 # |
| 25)                         | Chlordane-3     | 5.397  | 6.049  | 758.7E6  | 175.2E6  | 703.352  | 462.322 #  |
| 26)                         | Chlordane-4     | 5.455  | 6.121  | 733.1E6  | 172.8E6  | 797.727  | 376.760 #  |
| 27)                         | Chlordane-5     | 6.282  | 0.000  | 615.8E6  | 0        | 1695.429 | N.D. #     |
| -----                       |                 |        |        |          |          |          |            |

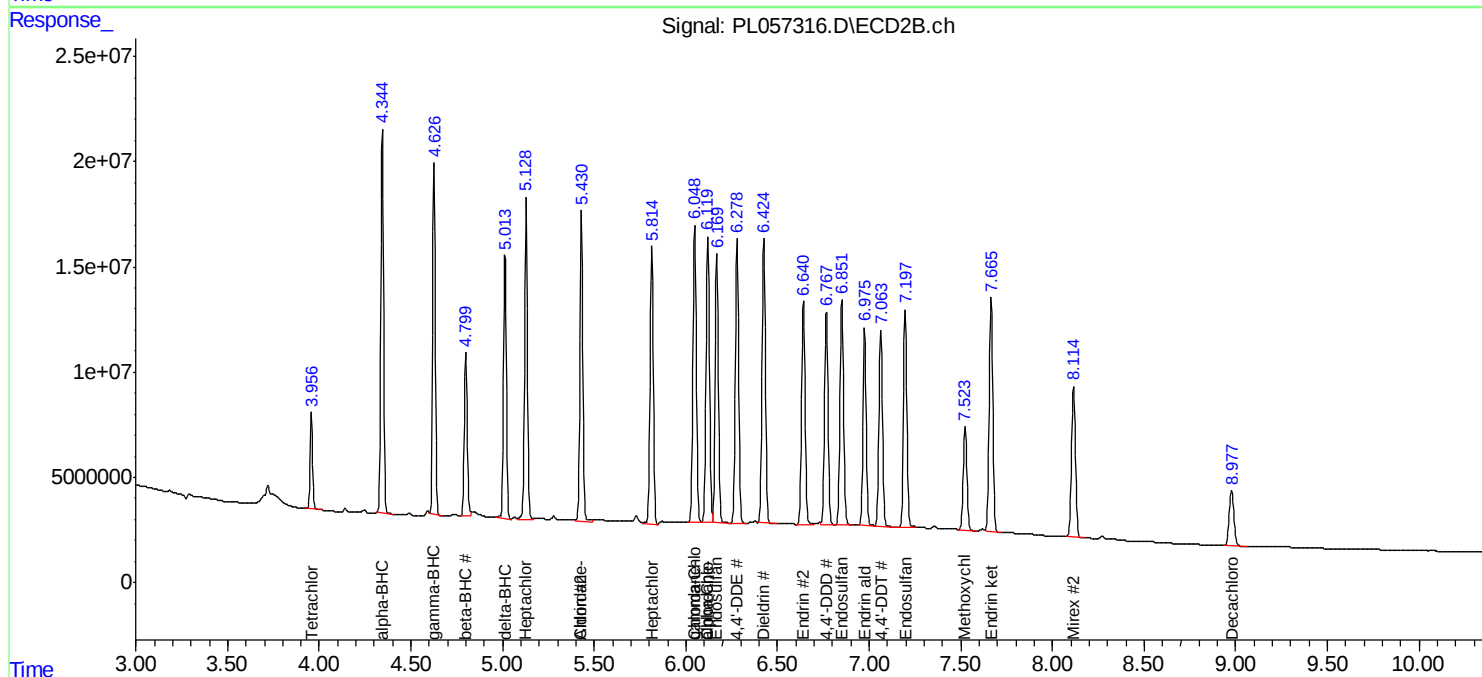
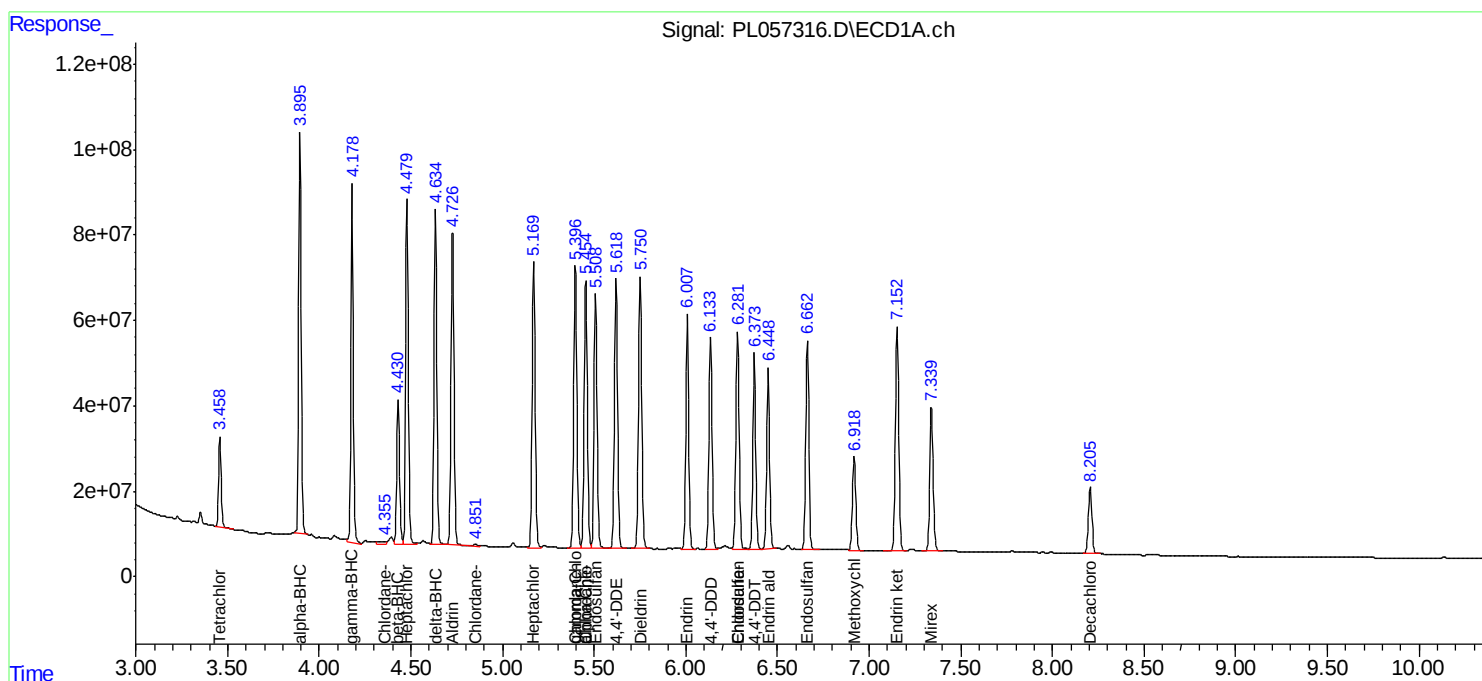
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

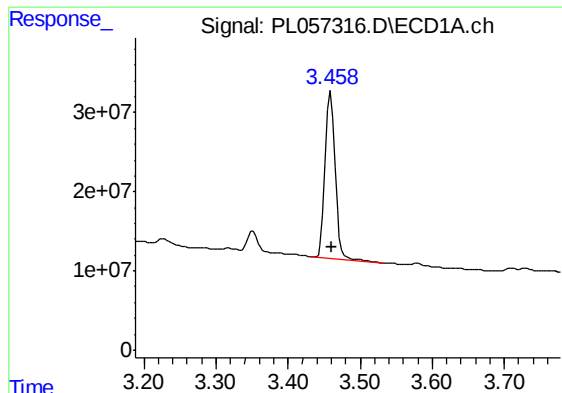
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL031220\  
Data File : PL057316.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 12 Mar 2020 21:43  
Operator : AJ\MA  
Sample : L1752-04MSD  
Misc :  
ALS Vial : 37 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Mar 13 06:09:18 2020  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL030320.M  
Quant Title : GC Extractables  
QLast Update : Wed Mar 11 17:44:01 2020  
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

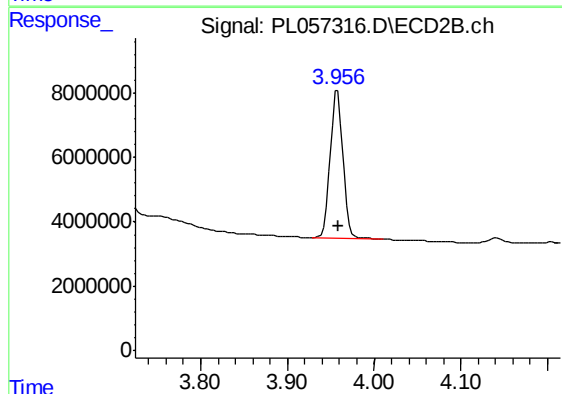




#1 Tetrachloro-m-xylene

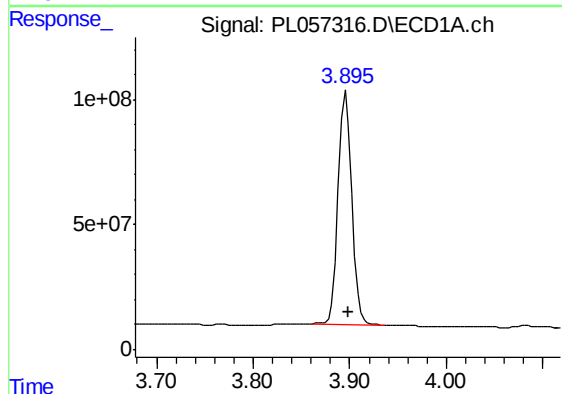
R.T.: 3.459 min  
Delta R.T.: -0.002 min  
Response: 200091539  
Conc: 23.48 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



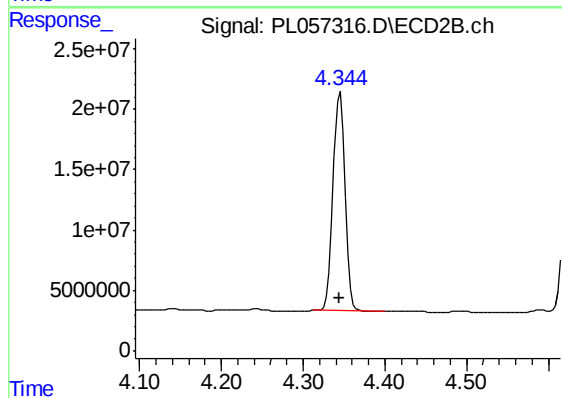
#1 Tetrachloro-m-xylene

R.T.: 3.958 min  
Delta R.T.: 0.000 min  
Response: 47334672  
Conc: 22.19 ng/ml



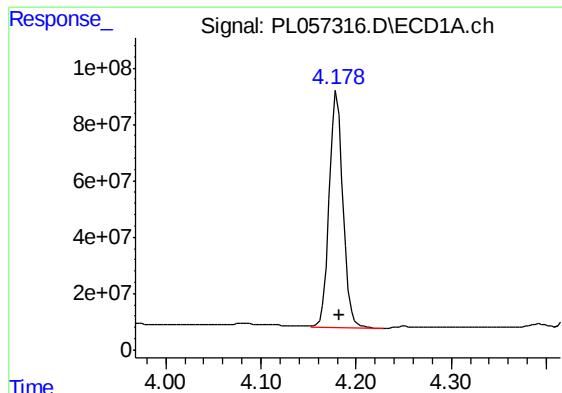
#2 alpha-BHC

R.T.: 3.896 min  
Delta R.T.: -0.002 min  
Response: 893229748  
Conc: 60.27 ng/ml



#2 alpha-BHC

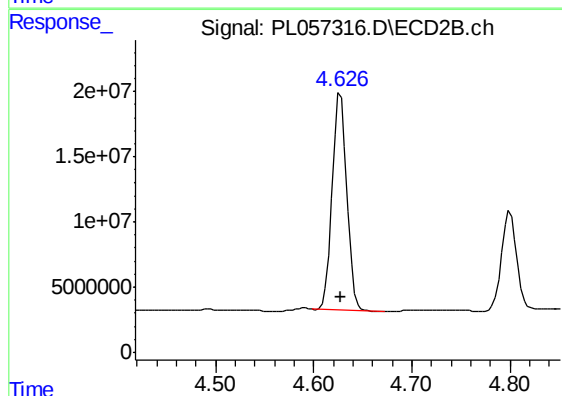
R.T.: 4.345 min  
Delta R.T.: 0.000 min  
Response: 183822714  
Conc: 58.19 ng/ml



#3 gamma-BHC (Lindane)

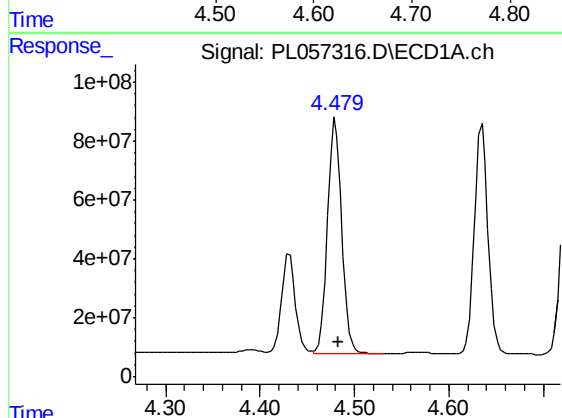
R.T.: 4.180 min  
Delta R.T.: -0.002 min  
Response: 836171579  
Conc: 60.85 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



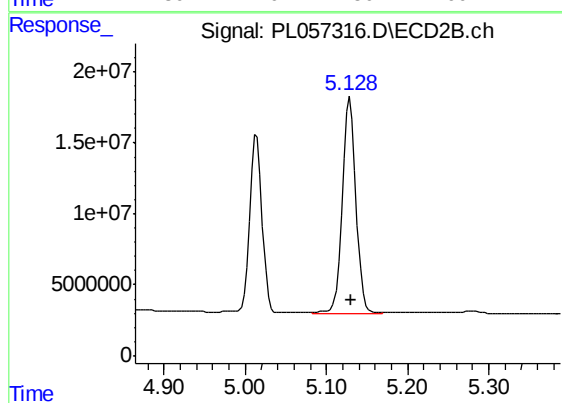
#3 gamma-BHC (Lindane)

R.T.: 4.627 min  
Delta R.T.: 0.000 min  
Response: 172658338  
Conc: 55.54 ng/ml



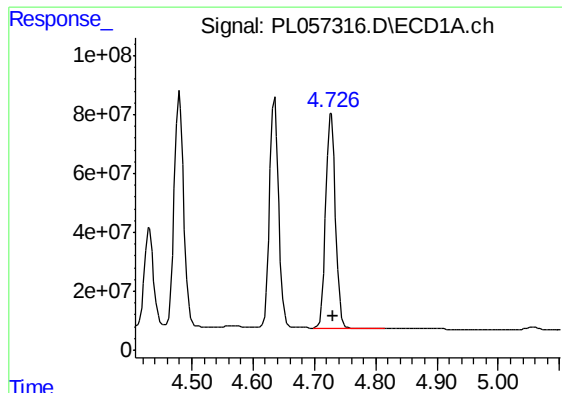
#4 Heptachlor

R.T.: 4.480 min  
Delta R.T.: -0.003 min  
Response: 857340051  
Conc: 63.11 ng/ml



#4 Heptachlor

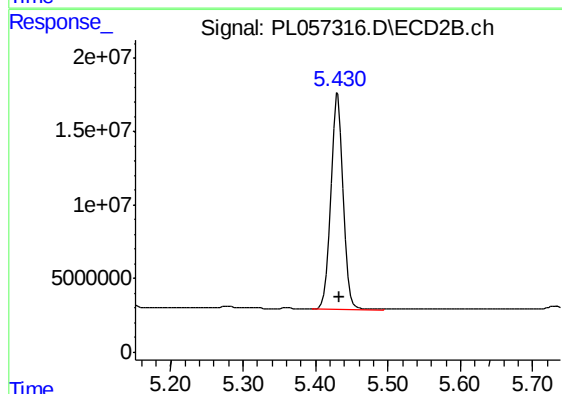
R.T.: 5.129 min  
Delta R.T.: -0.001 min  
Response: 179846423  
Conc: 57.78 ng/ml



#5 Aldrin

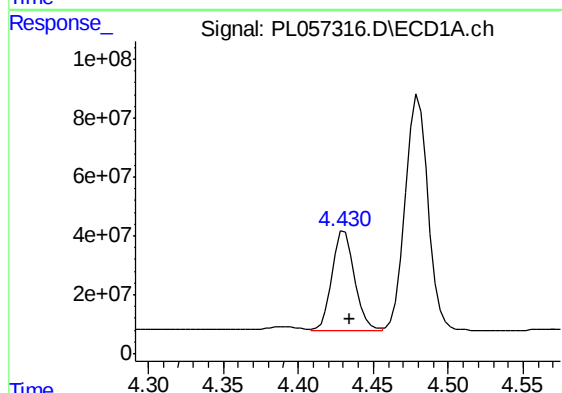
R.T.: 4.728 min  
Delta R.T.: -0.003 min  
Response: 810365102  
Conc: 62.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



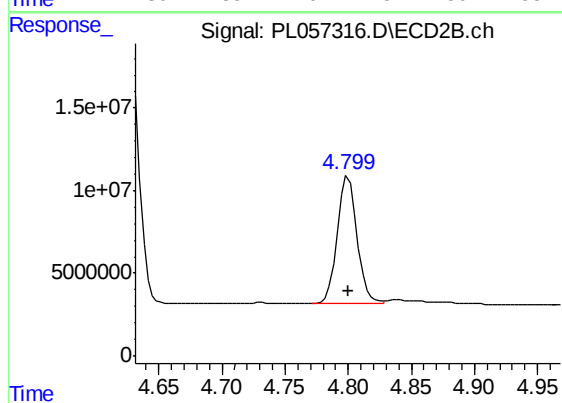
#5 Aldrin

R.T.: 5.431 min  
Delta R.T.: -0.001 min  
Response: 179162358  
Conc: 59.94 ng/ml



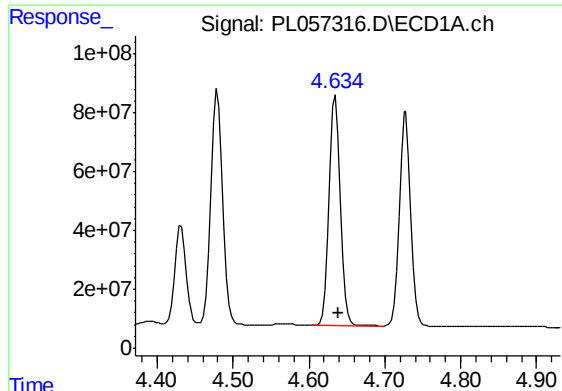
#6 beta-BHC

R.T.: 4.431 min  
Delta R.T.: -0.003 min  
Response: 351060892  
Conc: 66.27 ng/ml



#6 beta-BHC

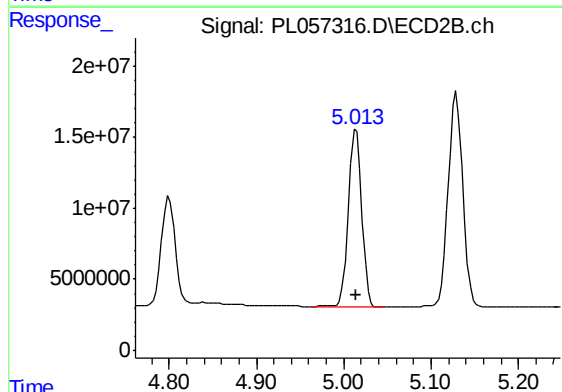
R.T.: 4.800 min  
Delta R.T.: 0.000 min  
Response: 84349276  
Conc: 59.85 ng/ml



#7 delta-BHC

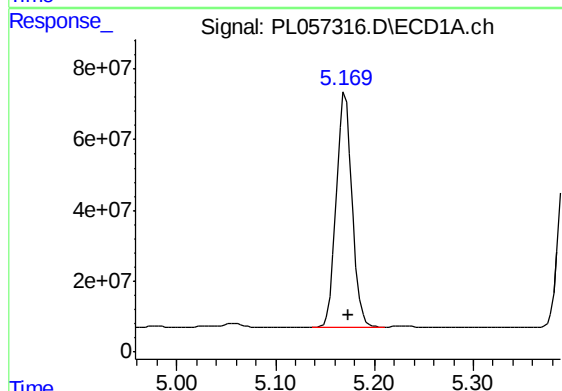
R.T.: 4.635 min  
Delta R.T.: -0.003 min  
Response: 799894772  
Conc: 61.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



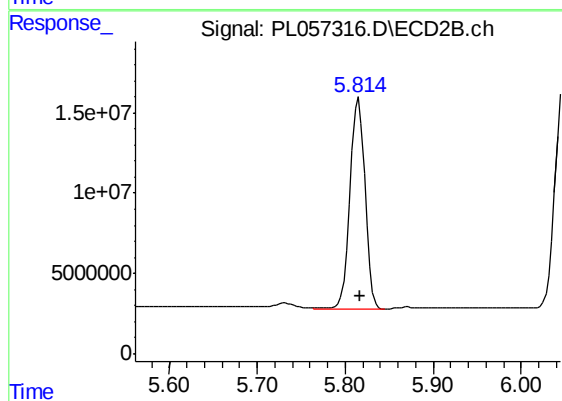
#7 delta-BHC

R.T.: 5.014 min  
Delta R.T.: 0.000 min  
Response: 134386791  
Conc: 55.19 ng/ml



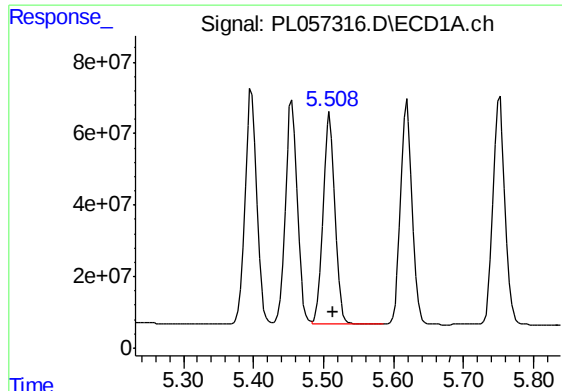
#8 Heptachlor epoxide

R.T.: 5.170 min  
Delta R.T.: -0.004 min  
Response: 747990643  
Conc: 61.82 ng/ml



#8 Heptachlor epoxide

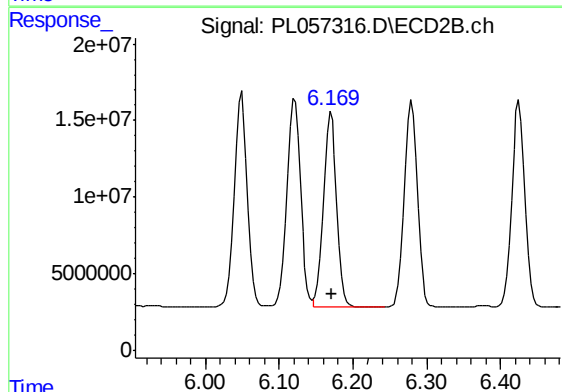
R.T.: 5.815 min  
Delta R.T.: -0.002 min  
Response: 157207036  
Conc: 56.73 ng/ml



#9 Endosulfan I

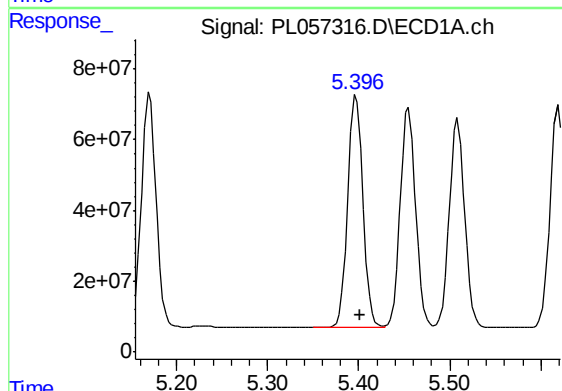
R.T.: 5.509 min  
Delta R.T.: -0.004 min  
Response: 697229276  
Conc: 61.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



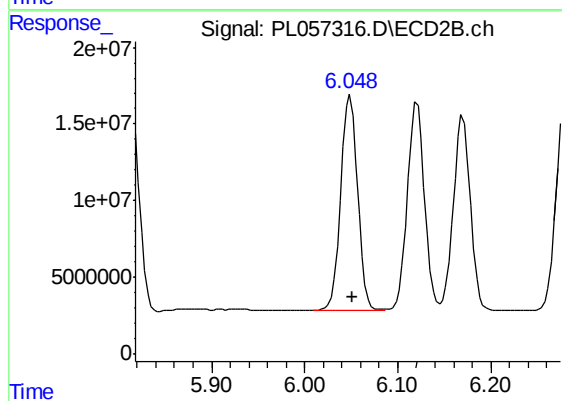
#9 Endosulfan I

R.T.: 6.170 min  
Delta R.T.: -0.002 min  
Response: 161264813  
Conc: 57.73 ng/ml



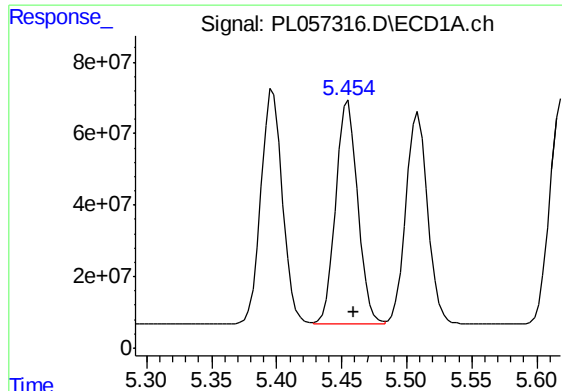
#10 gamma-Chlordane

R.T.: 5.397 min  
Delta R.T.: -0.004 min  
Response: 758657109  
Conc: 61.08 ng/ml



#10 gamma-Chlordane

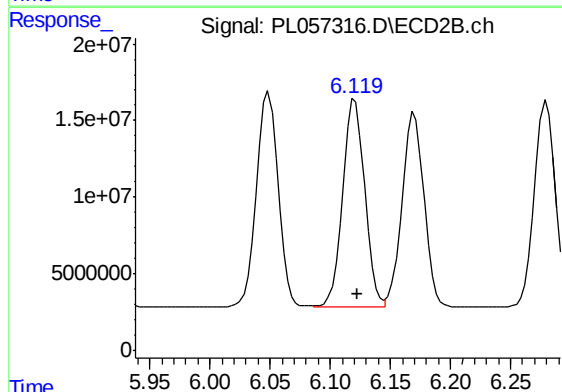
R.T.: 6.049 min  
Delta R.T.: -0.002 min  
Response: 175214970  
Conc: 58.53 ng/ml



#11 alpha-Chlordane

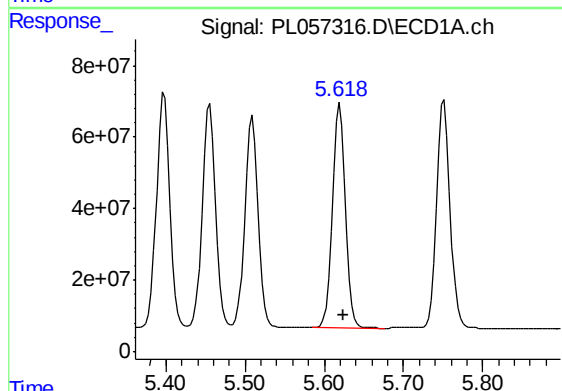
R.T.: 5.455 min  
Delta R.T.: -0.005 min  
Response: 733105838  
Conc: 59.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



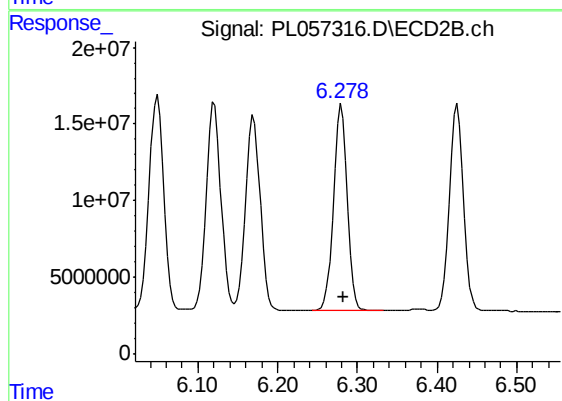
#11 alpha-Chlordane

R.T.: 6.121 min  
Delta R.T.: -0.002 min  
Response: 172758122  
Conc: 57.31 ng/ml



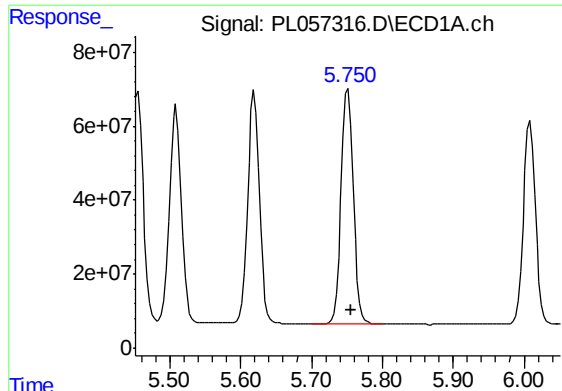
#12 4,4'-DDE

R.T.: 5.619 min  
Delta R.T.: -0.005 min  
Response: 729469858  
Conc: 62.25 ng/ml



#12 4,4'-DDE

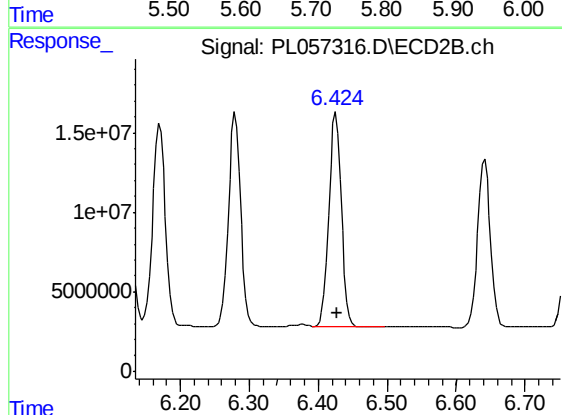
R.T.: 6.280 min  
Delta R.T.: -0.002 min  
Response: 163188522  
Conc: 57.50 ng/ml



#13 Dielddrin

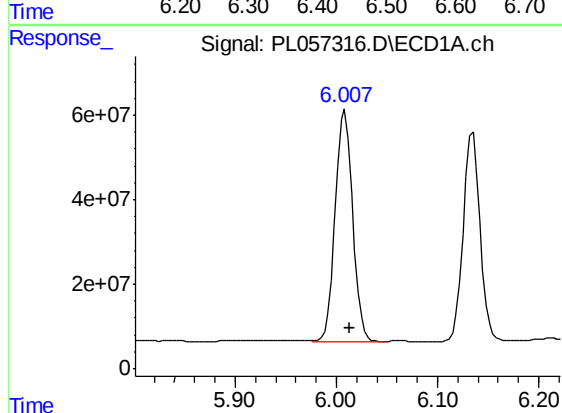
R.T.: 5.752 min  
Delta R.T.: -0.005 min  
Response: 755118277  
Conc: 61.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



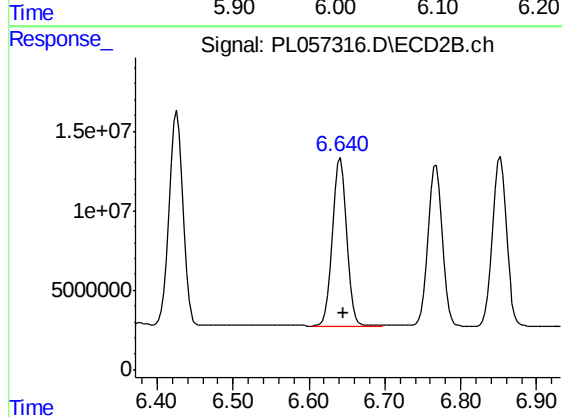
#13 Dielddrin

R.T.: 6.426 min  
Delta R.T.: -0.002 min  
Response: 167952016  
Conc: 57.06 ng/ml



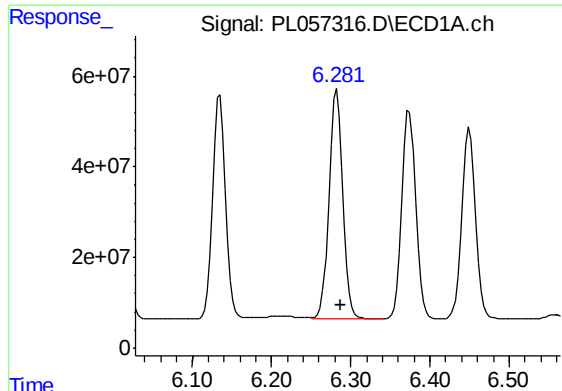
#14 Endrin

R.T.: 6.009 min  
Delta R.T.: -0.005 min  
Response: 652577374  
Conc: 59.98 ng/ml



#14 Endrin

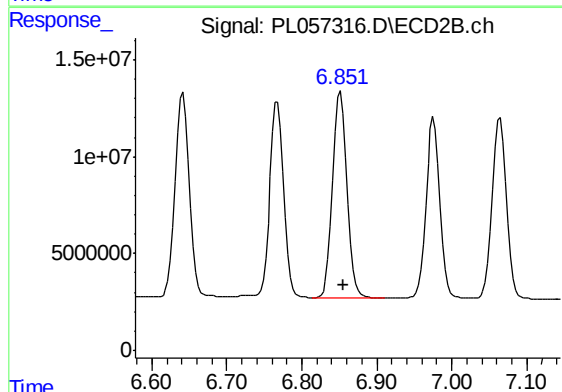
R.T.: 6.642 min  
Delta R.T.: -0.003 min  
Response: 136649021  
Conc: 52.99 ng/ml



#15 Endosulfan II

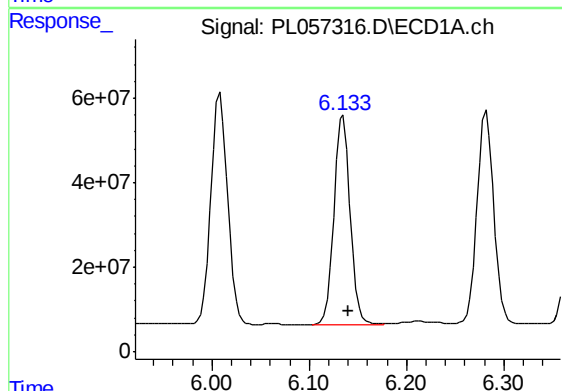
R.T.: 6.282 min  
Delta R.T.: -0.005 min  
Response: 615821743  
Conc: 57.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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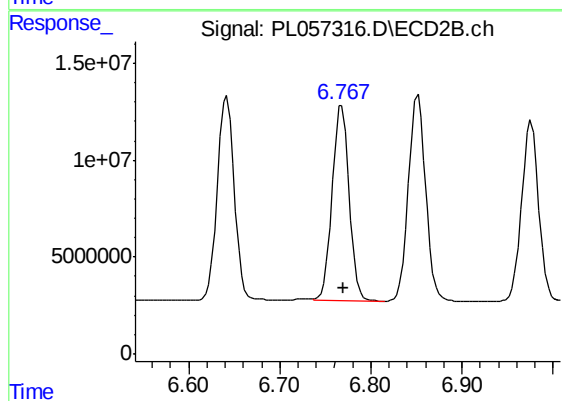
#15 Endosulfan II

R.T.: 6.852 min  
Delta R.T.: -0.003 min  
Response: 139883163  
Conc: 49.85 ng/ml



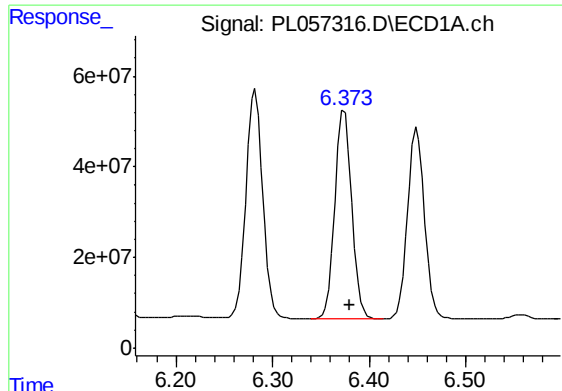
#16 4,4'-DDD

R.T.: 6.135 min  
Delta R.T.: -0.006 min  
Response: 577675053  
Conc: 59.67 ng/ml



#16 4,4'-DDD

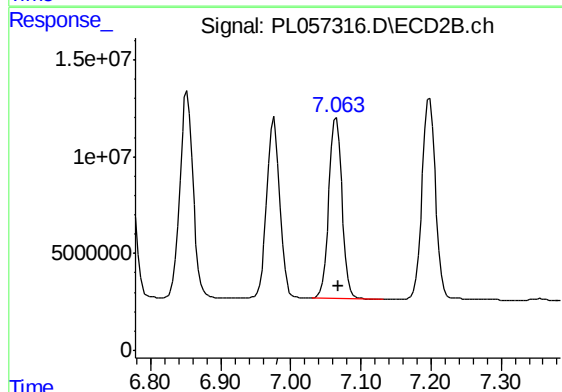
R.T.: 6.768 min  
Delta R.T.: -0.003 min  
Response: 132003493  
Conc: 54.19 ng/ml



#17 4,4'-DDT

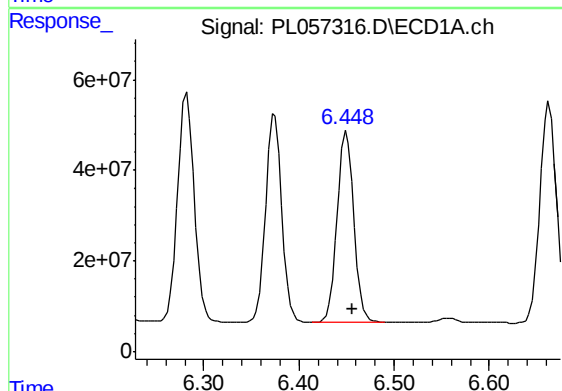
R.T.: 6.374 min  
Delta R.T.: -0.006 min  
Response: 544263146  
Conc: 55.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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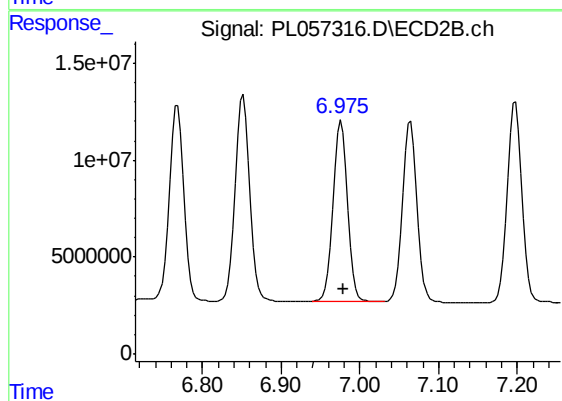
#17 4,4'-DDT

R.T.: 7.065 min  
Delta R.T.: -0.003 min  
Response: 122366704  
Conc: 49.74 ng/ml



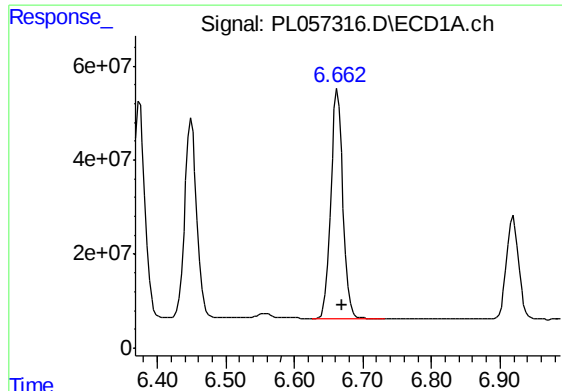
#18 Endrin aldehyde

R.T.: 6.450 min  
Delta R.T.: -0.006 min  
Response: 515094486  
Conc: 57.58 ng/ml



#18 Endrin aldehyde

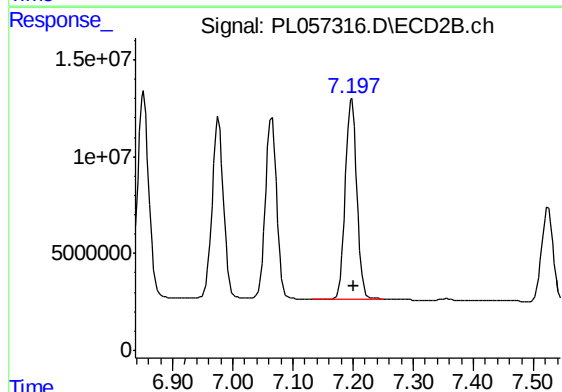
R.T.: 6.976 min  
Delta R.T.: -0.003 min  
Response: 122163917  
Conc: 52.72 ng/ml



#19 Endosulfan Sulfate

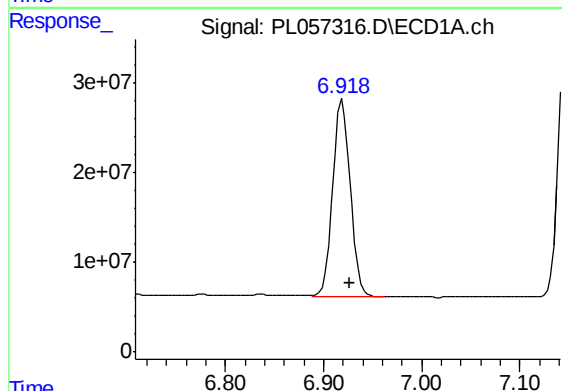
R.T.: 6.663 min  
Delta R.T.: -0.006 min  
Response: 597611297  
Conc: 59.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



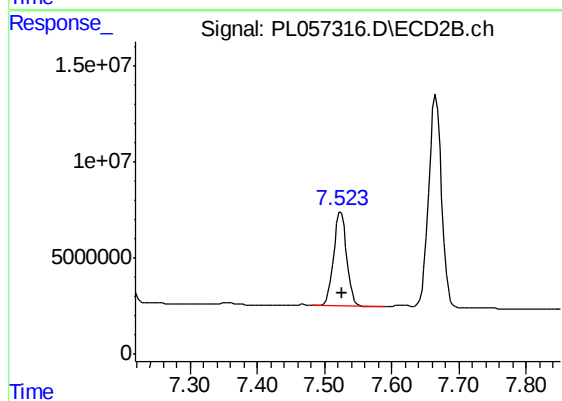
#19 Endosulfan Sulfate

R.T.: 7.198 min  
Delta R.T.: -0.003 min  
Response: 137321509  
Conc: 54.76 ng/ml



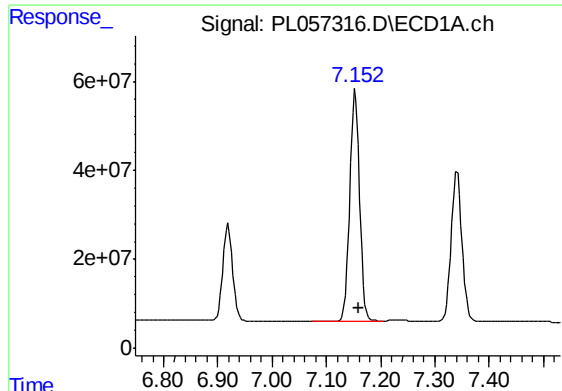
#20 Methoxychlor

R.T.: 6.919 min  
Delta R.T.: -0.007 min  
Response: 272064265  
Conc: 54.56 ng/ml



#20 Methoxychlor

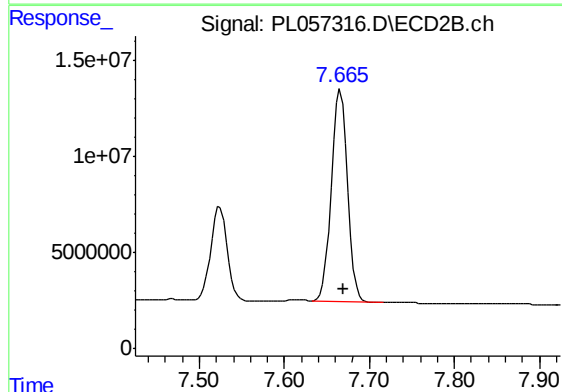
R.T.: 7.524 min  
Delta R.T.: -0.003 min  
Response: 65661352  
Conc: 52.56 ng/ml



#21 Endrin ketone

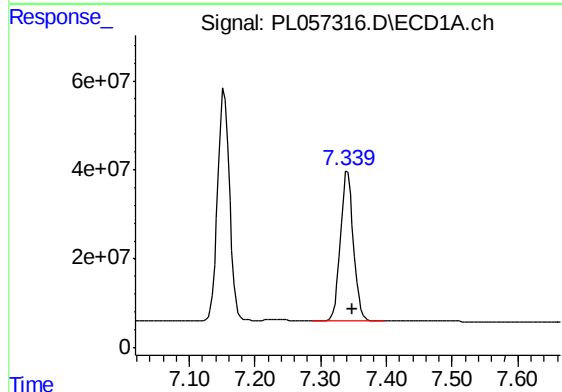
R.T.: 7.153 min  
Delta R.T.: -0.007 min  
Response: 658236097  
Conc: 58.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



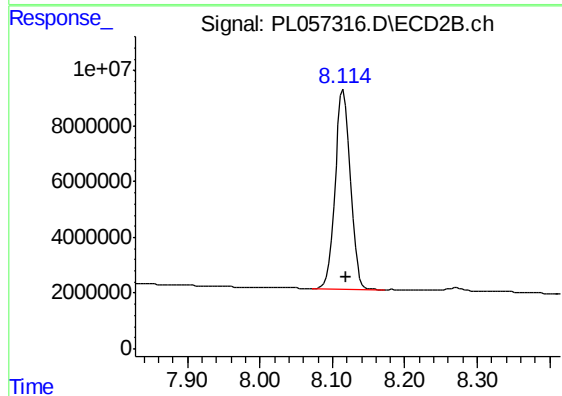
#21 Endrin ketone

R.T.: 7.666 min  
Delta R.T.: -0.003 min  
Response: 147488721  
Conc: 53.82 ng/ml



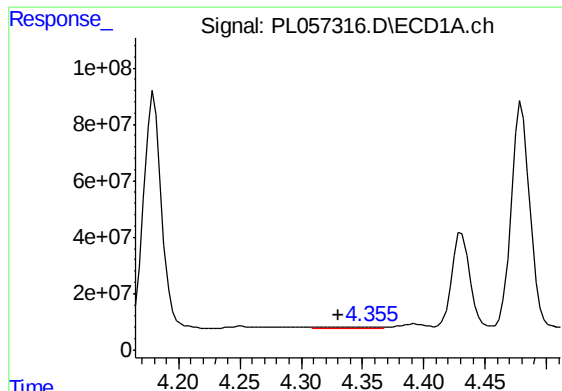
#22 Mirex

R.T.: 7.341 min  
Delta R.T.: -0.007 min  
Response: 460907712  
Conc: 56.88 ng/ml



#22 Mirex

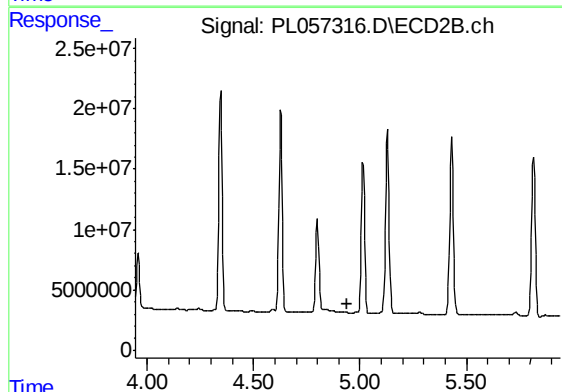
R.T.: 8.115 min  
Delta R.T.: -0.004 min  
Response: 103923701  
Conc: 54.21 ng/ml



#23 Chlordane-1

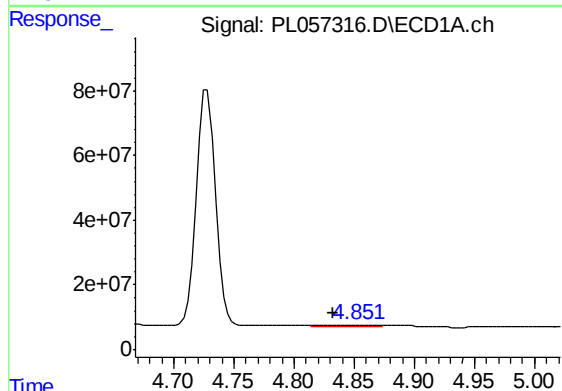
R.T.: 4.357 min  
Delta R.T.: 0.026 min  
Response: 17610845  
Conc: 57.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



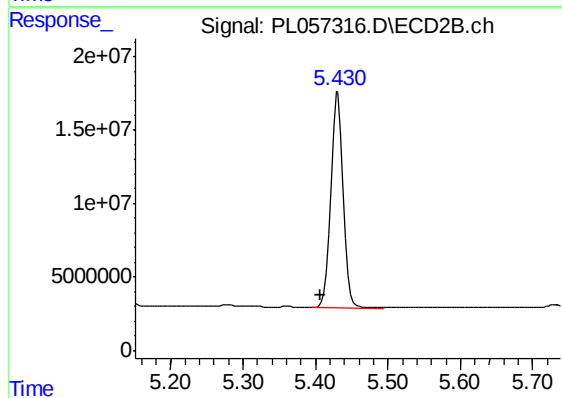
#23 Chlordane-1

R.T.: 0.000 min  
Exp R.T. : 4.942 min  
Response: 0  
Conc: N.D.



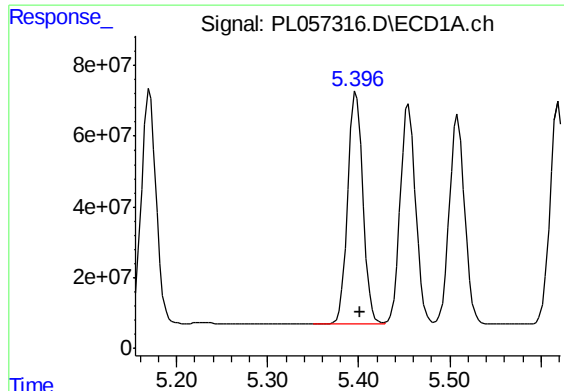
#24 Chlordane-2

R.T.: 4.852 min  
Delta R.T.: 0.020 min  
Response: 11117992  
Conc: 31.53 ng/ml



#24 Chlordane-2

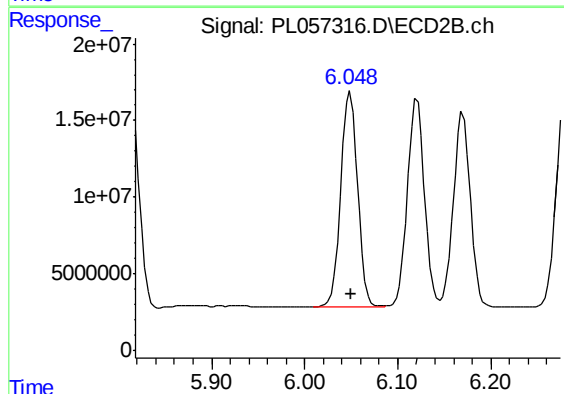
R.T.: 5.431 min  
Delta R.T.: 0.024 min  
Response: 179162358  
Conc: 1876.95 ng/ml



#25 Chlordane-3

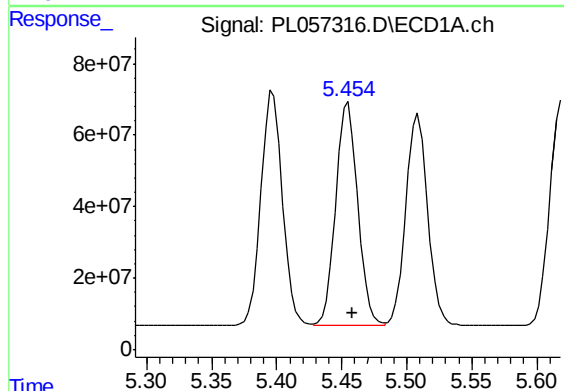
R.T.: 5.397 min  
Delta R.T.: -0.004 min  
Response: 758657109  
Conc: 703.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



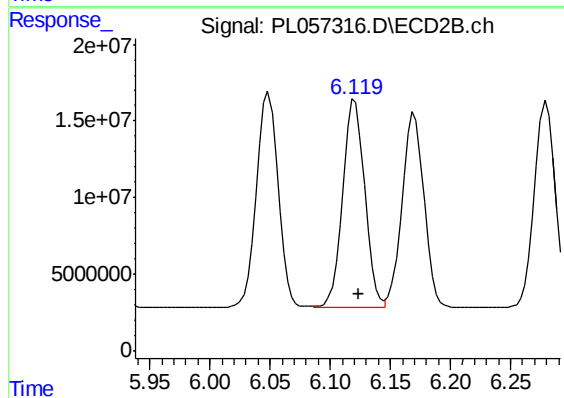
#25 Chlordane-3

R.T.: 6.049 min  
Delta R.T.: -0.001 min  
Response: 175214970  
Conc: 462.32 ng/ml



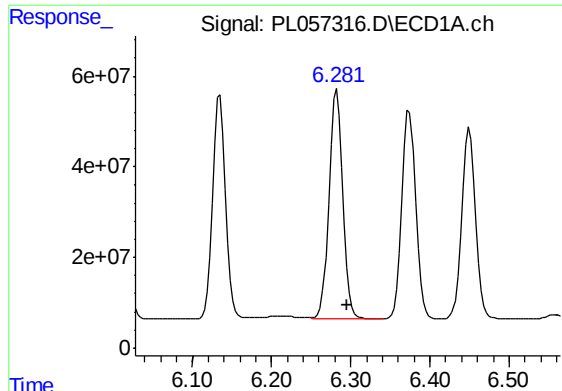
#26 Chlordane-4

R.T.: 5.455 min  
Delta R.T.: -0.004 min  
Response: 733105838  
Conc: 797.73 ng/ml



#26 Chlordane-4

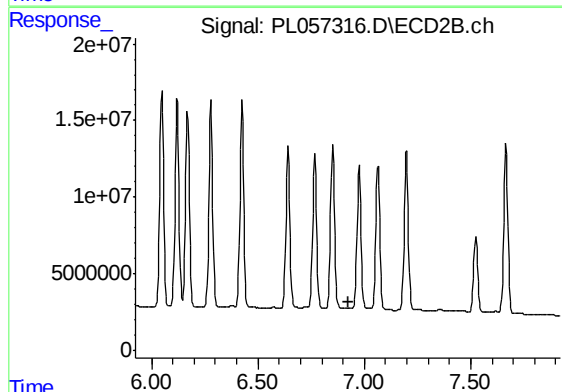
R.T.: 6.121 min  
Delta R.T.: -0.003 min  
Response: 172758122  
Conc: 376.76 ng/ml



#27 Chlordane-5

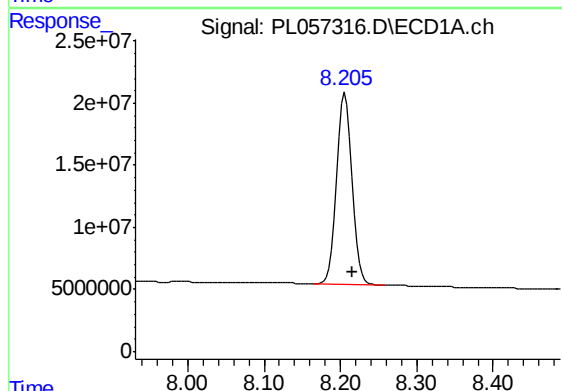
R.T.: 6.282 min  
Delta R.T.: -0.013 min  
Response: 615821743  
Conc: 1695.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
HD-01-031120MSD



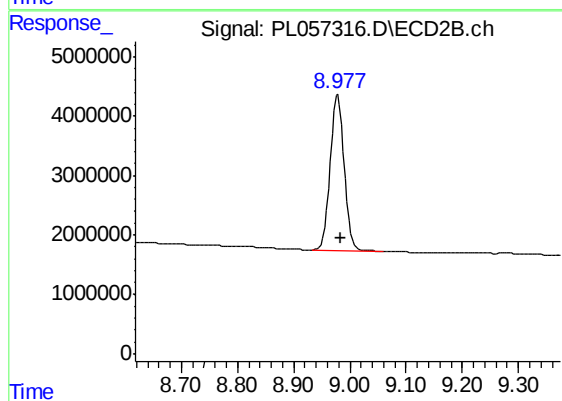
#27 Chlordane-5

R.T.: 0.000 min  
Exp R.T. : 6.923 min  
Response: 0  
Conc: N.D.



#28 Decachlorobiphenyl

R.T.: 8.206 min  
Delta R.T.: -0.010 min  
Response: 215109612  
Conc: 22.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.978 min  
Delta R.T.: -0.006 min  
Response: 45996405  
Conc: 21.65 ng/ml