

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100119\  
 Data File : PL052965.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Oct 2019 19:19  
 Operator : SG\AJ  
 Sample : K4946-11MS  
 Misc :  
 ALS Vial : 30 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 GP-5\_(10-12)MS

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 02 03:48:48 2019  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092919.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Sep 30 08:44:08 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... | 3.548 | 4.047  | 190.7E6 | 52682585 | 19.173  | 19.620    |
| 28)                         | SA Decachlor... | 8.344 | 9.125  | 156.2E6 | 50609694 | 15.593  | 17.251    |
| Target Compounds            |                 |       |        |         |          |         |           |
| 2)                          | A alpha-BHC     | 3.993 | 4.438  | 483.8E6 | 117.7E6  | 30.334  | 30.661    |
| 3)                          | MA gamma-BHC... | 4.280 | 4.724  | 448.6E6 | 110.3E6  | 30.803  | 30.470    |
| 4)                          | MA Heptachlor   | 4.589 | 5.234  | 464.5E6 | 115.2E6  | 31.090  | 30.231    |
| 5)                          | MB Aldrin       | 4.841 | 5.539  | 439.5E6 | 107.2E6  | 31.950  | 30.923    |
| 6)                          | B beta-BHC      | 4.529 | 4.892  | 194.7E6 | 52532666 | 31.352  | 33.422    |
| 7)                          | B delta-BHC     | 4.739 | 5.110  | 412.3E6 | 99012193 | 28.771  | 27.352    |
| 8)                          | B Heptachlo...  | 5.287 | 5.925  | 399.9E6 | 101.0E6  | 30.685  | 30.143    |
| 9)                          | A Endosulfan I  | 5.630 | 6.282  | 353.9E6 | 94146803 | 29.158  | 30.120    |
| 10)                         | B gamma-Chl...  | 5.516 | 6.159  | 401.7E6 | 102.2E6  | 29.870  | 30.217    |
| 11)                         | B alpha-Chl...  | 5.575 | 6.232  | 385.7E6 | 100.6E6  | 29.247  | 29.893    |
| 12)                         | B 4,4'-DDE      | 5.739 | 6.388  | 343.4E6 | 98152056 | 29.583  | 30.051    |
| 13)                         | MA Dieldrin     | 5.875 | 6.539  | 367.8E6 | 93439964 | 28.496  | 28.645    |
| 14)                         | MA Endrin       | 6.133 | 6.757  | 311.4E6 | 79413012 | 27.337  | 28.598    |
| 15)                         | B Endosulfa...  | 6.406 | 6.965  | 310.8E6 | 85550776 | 27.122  | 28.834    |
| 16)                         | A 4,4'-DDD      | 6.256 | 6.877  | 264.0E6 | 75209543 | 29.369  | 30.666    |
| 17)                         | MA 4,4'-DDT     | 6.500 | 7.176  | 280.9E6 | 73805940 | 27.508  | 28.359    |
| 18)                         | B Endrin al...  | 6.575 | 7.089  | 252.7E6 | 72172865 | 26.911  | 29.426    |
| 19)                         | B Endosulfa...  | 6.789 | 7.311  | 289.8E6 | 78548254 | 27.844  | 28.768    |
| 20)                         | A Methoxychlor  | 7.046 | 7.633  | 137.7E6 | 41848165 | 26.692  | 29.723    |
| 21)                         | B Endrin ke...  | 7.282 | 7.783  | 310.3E6 | 86730941 | 26.622  | 30.401    |
| 22)                         | Mirex           | 7.478 | 8.239  | 240.0E6 | 64479412 | 25.418  | 28.667    |
| 24)                         | Chlordane-2     | 0.000 | 5.539f | 0       | 107.2E6  | N.D.    | 957.514 # |
| 25)                         | Chlordane-3     | 5.516 | 6.159  | 401.7E6 | 102.2E6  | 346.681 | 234.728 # |
| 26)                         | Chlordane-4     | 5.575 | 6.232  | 385.7E6 | 100.6E6  | 404.173 | 189.488 # |
| 27)                         | Chlordane-5     | 6.406 | 7.034  | 310.8E6 | 4557959  | 787.981 | 51.672 #  |
| -----                       |                 |       |        |         |          |         |           |

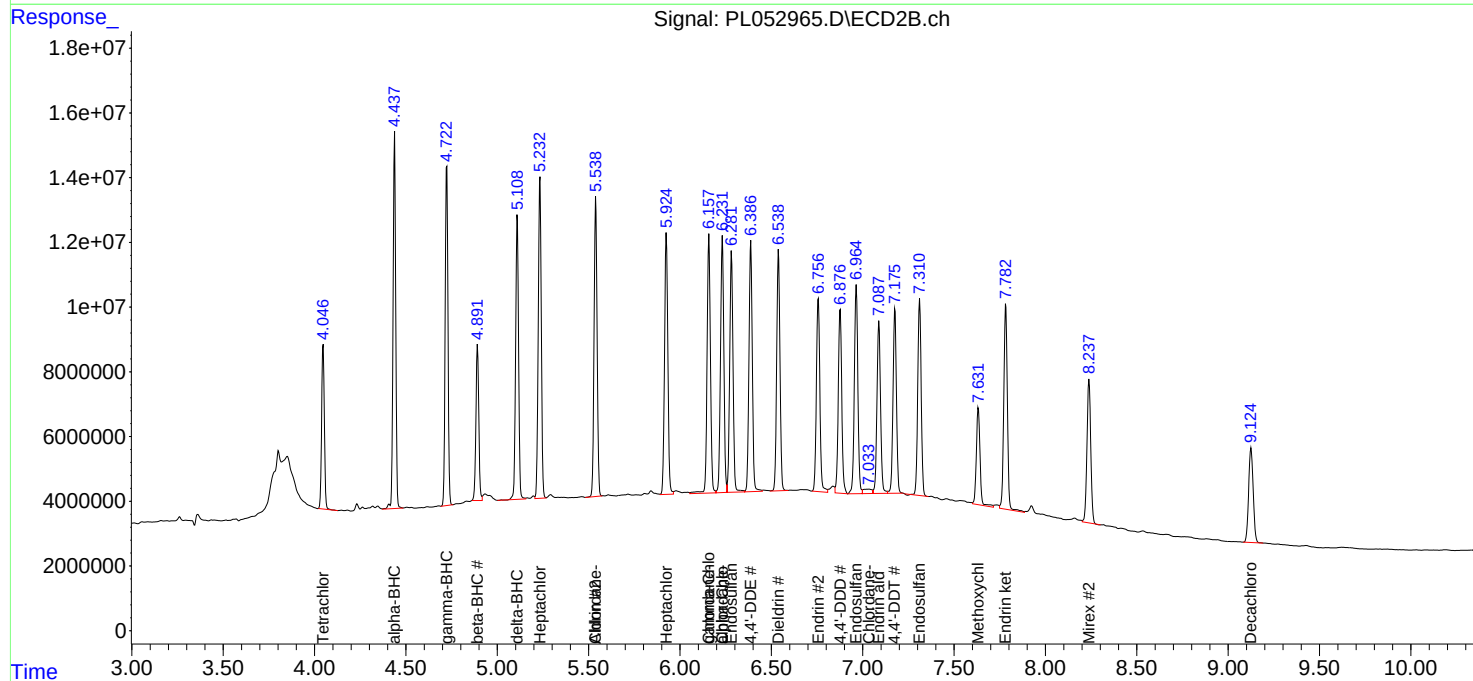
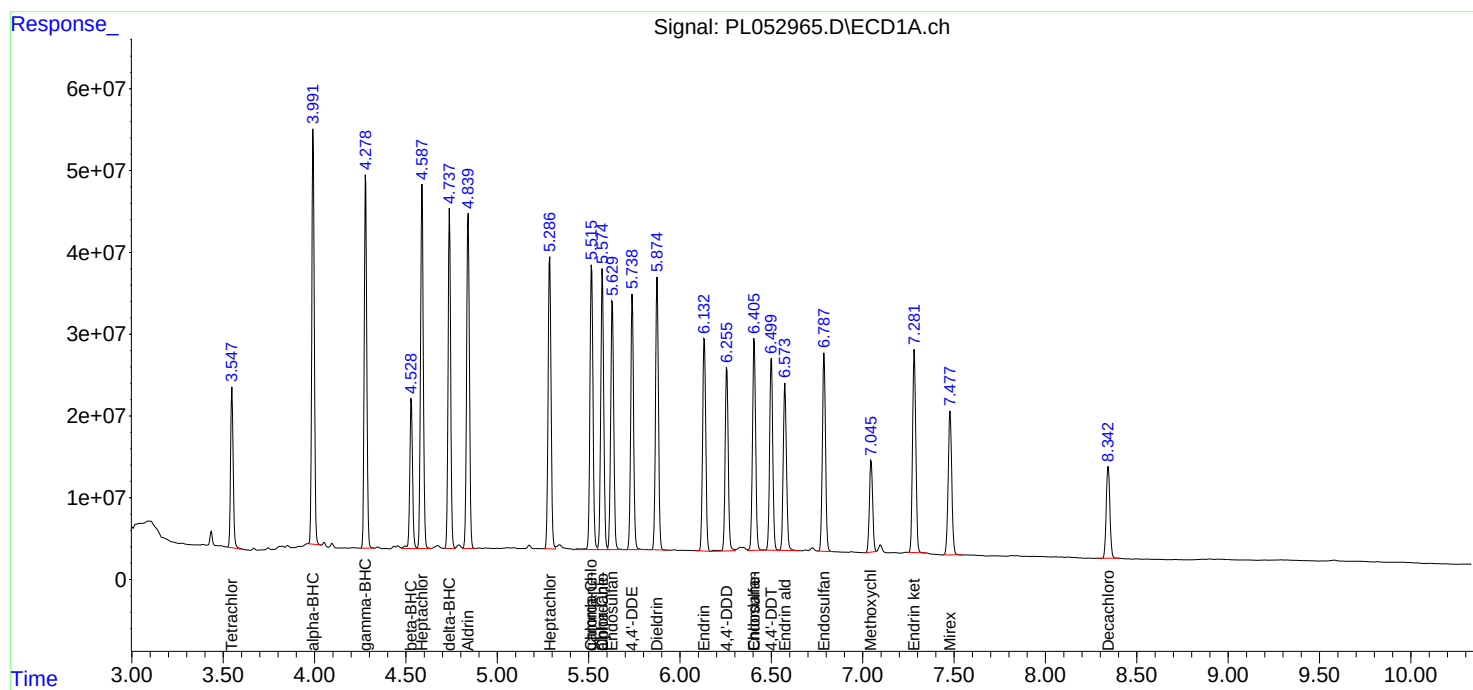
(f)=RT Delta > 1/2 Window (#)=Amounts differ by > 25% (m)=manual int.

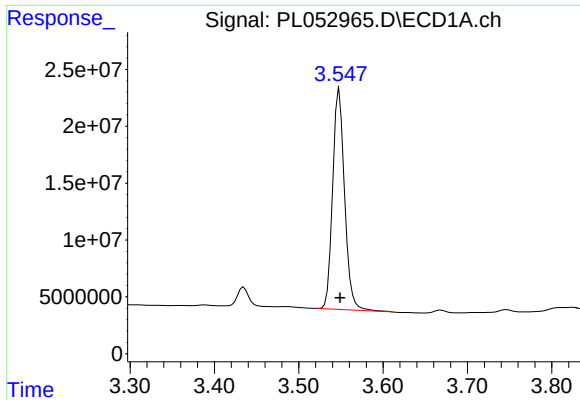
Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL100119\  
Data File : PL052965.D  
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 01 Oct 2019 19:19  
Operator : SG\AJ  
Sample : K4946-11MS  
Misc :  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS

Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Oct 02 03:48:2019  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL092919.M  
Quant Title : GC Extractables  
QLast Update : Mon Sep 30 08:44:08 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

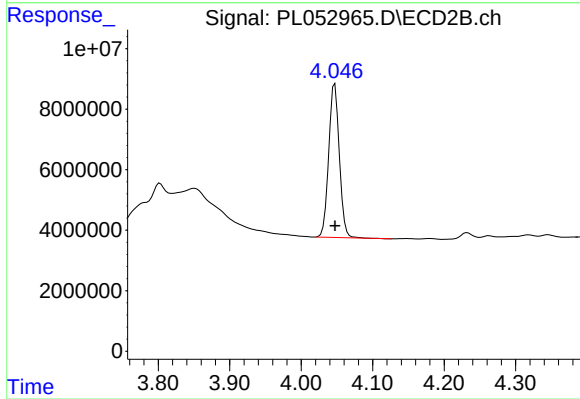




#1 Tetrachloro-m-xylene

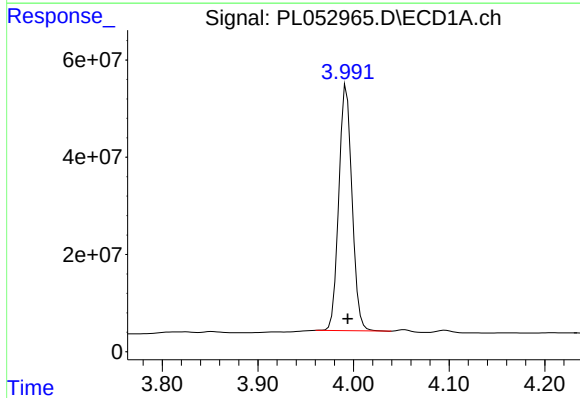
R.T.: 3.548 min  
Delta R.T.: 0.000 min  
Response: 190711824  
Conc: 19.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



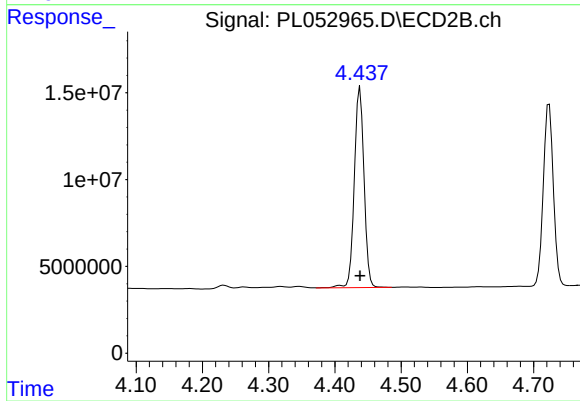
#1 Tetrachloro-m-xylene

R.T.: 4.047 min  
Delta R.T.: 0.000 min  
Response: 52682585  
Conc: 19.62 ng/ml



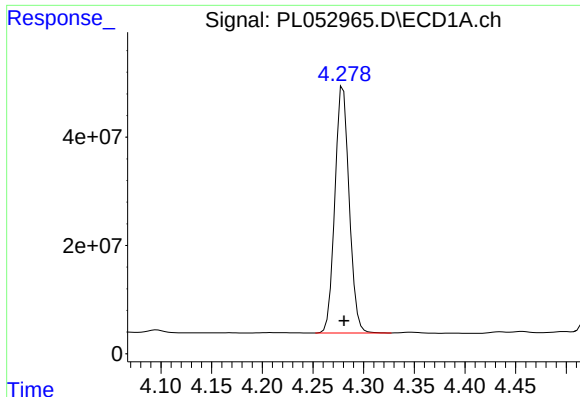
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: -0.001 min  
Response: 483841331  
Conc: 30.33 ng/ml



#2 alpha-BHC

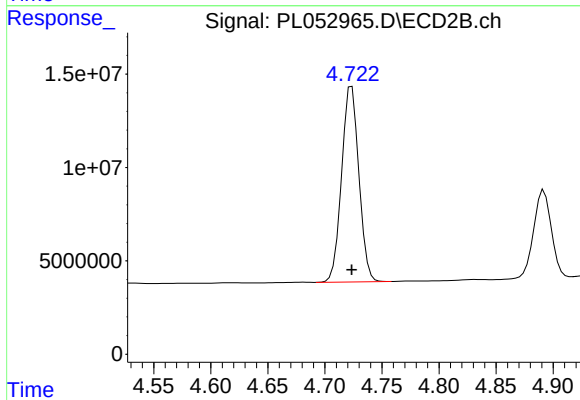
R.T.: 4.438 min  
Delta R.T.: 0.000 min  
Response: 117740248  
Conc: 30.66 ng/ml



#3 gamma-BHC (Lindane)

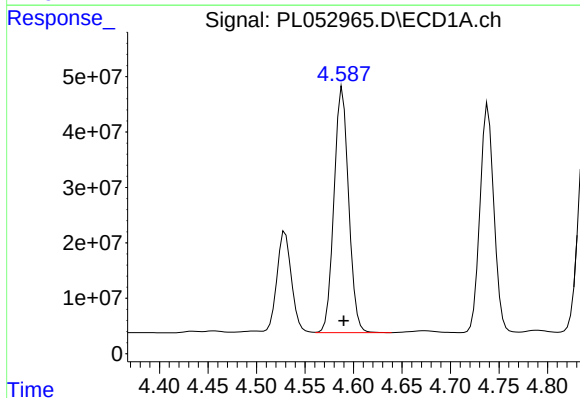
R.T.: 4.280 min  
Delta R.T.: 0.000 min  
Response: 448633416  
Conc: 30.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



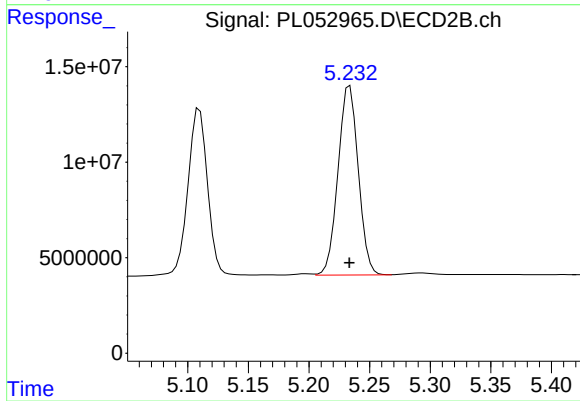
#3 gamma-BHC (Lindane)

R.T.: 4.724 min  
Delta R.T.: 0.000 min  
Response: 110337544  
Conc: 30.47 ng/ml



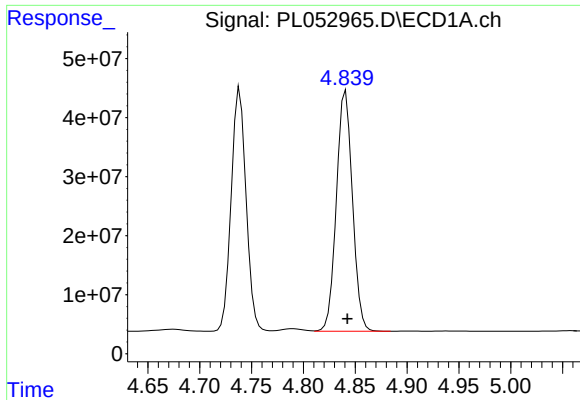
#4 Heptachlor

R.T.: 4.589 min  
Delta R.T.: -0.001 min  
Response: 464542197  
Conc: 31.09 ng/ml



#4 Heptachlor

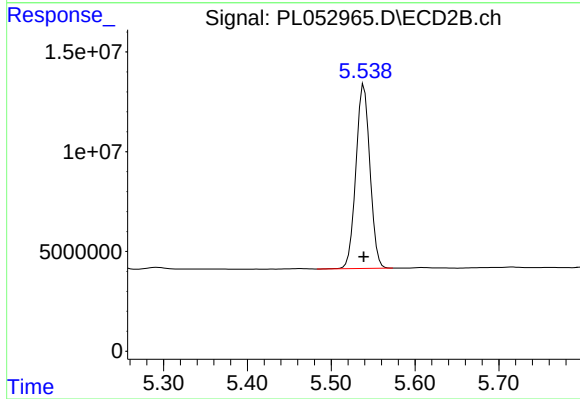
R.T.: 5.234 min  
Delta R.T.: 0.000 min  
Response: 115200284  
Conc: 30.23 ng/ml



#5 Aldrin

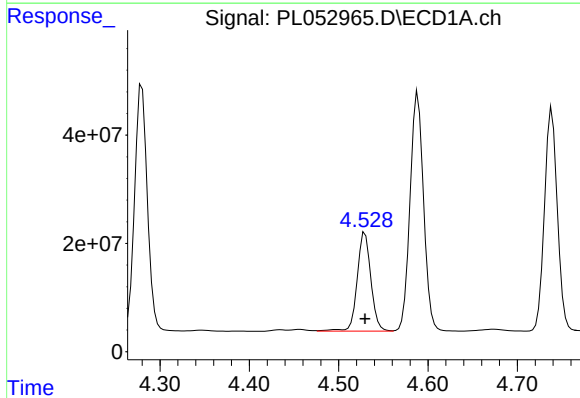
R.T.: 4.841 min  
Delta R.T.: -0.002 min  
Response: 439476679  
Conc: 31.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



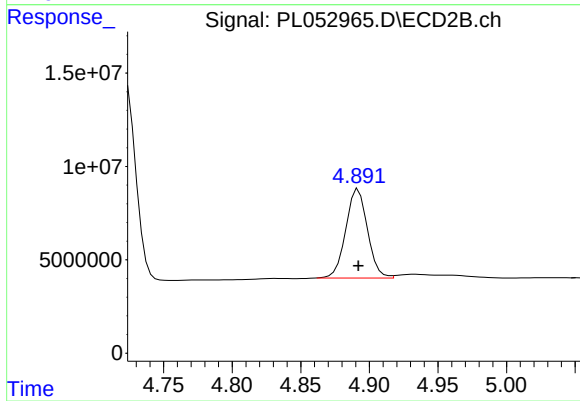
#5 Aldrin

R.T.: 5.539 min  
Delta R.T.: 0.000 min  
Response: 107167178  
Conc: 30.92 ng/ml



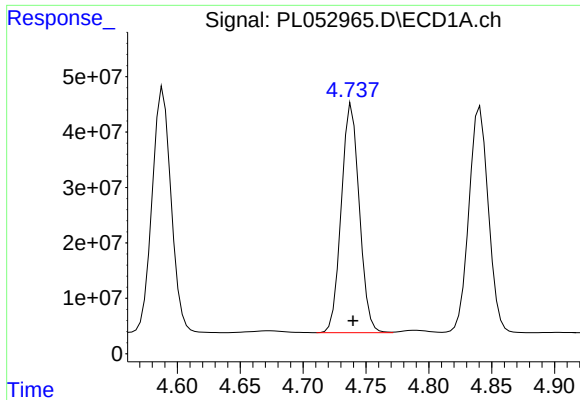
#6 beta-BHC

R.T.: 4.529 min  
Delta R.T.: 0.000 min  
Response: 194652698  
Conc: 31.35 ng/ml



#6 beta-BHC

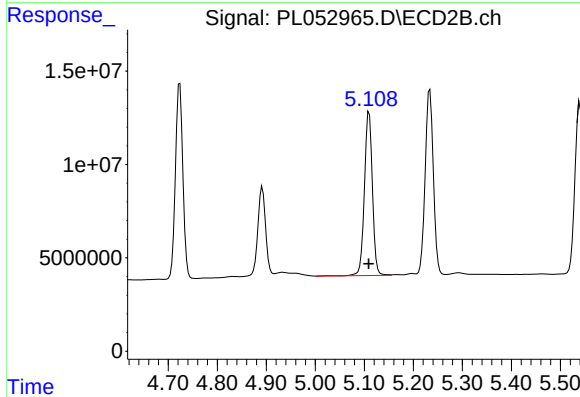
R.T.: 4.892 min  
Delta R.T.: 0.000 min  
Response: 52532666  
Conc: 33.42 ng/ml



#7 delta-BHC

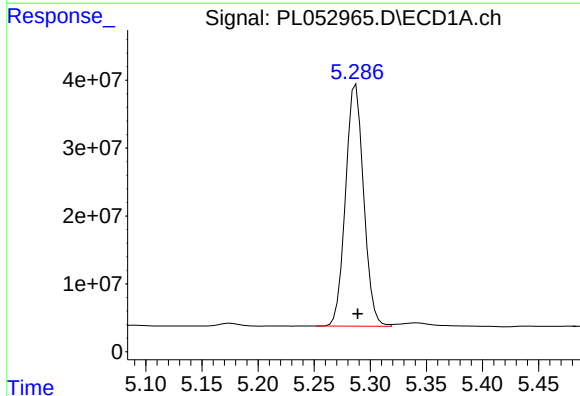
R.T.: 4.739 min  
Delta R.T.: 0.000 min  
Response: 412262060  
Conc: 28.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



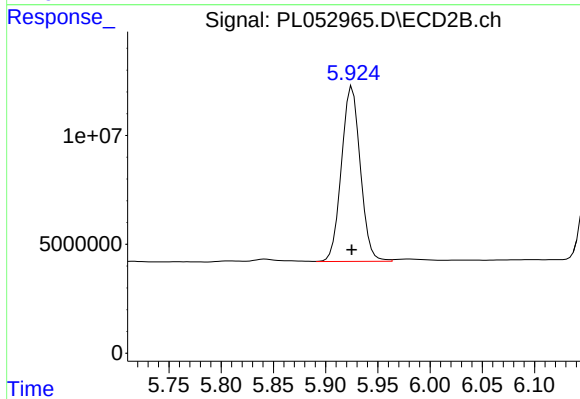
#7 delta-BHC

R.T.: 5.110 min  
Delta R.T.: 0.000 min  
Response: 99012193  
Conc: 27.35 ng/ml



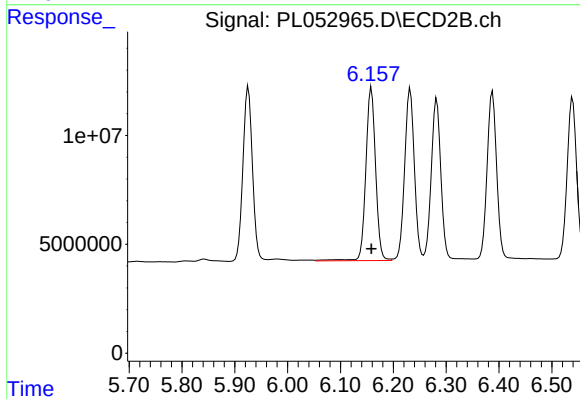
#8 Heptachlor epoxide

R.T.: 5.287 min  
Delta R.T.: -0.002 min  
Response: 399852162  
Conc: 30.68 ng/ml



#8 Heptachlor epoxide

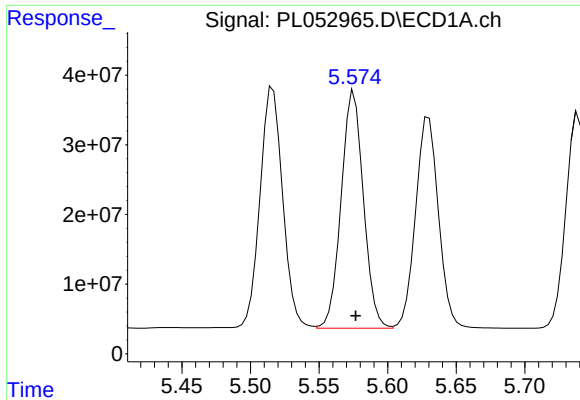
R.T.: 5.925 min  
Delta R.T.: 0.000 min  
Response: 101025843  
Conc: 30.14 ng/ml



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      R.T.:      6.159 min
Delta R.T.:      0.000 min
  Response: 102226198
      Conc:  30.22 ng/ml

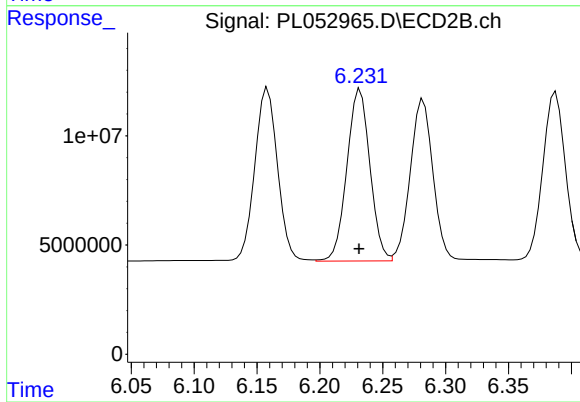
```



#11 alpha-Chlordane

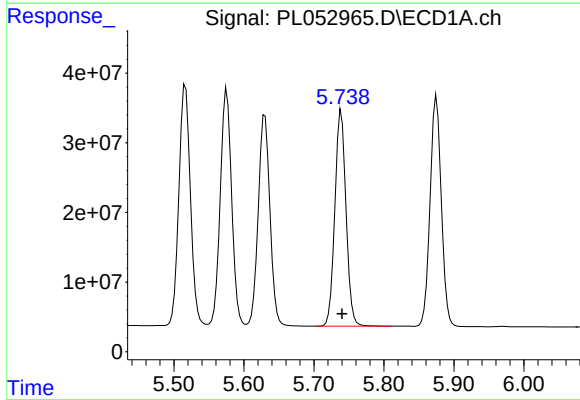
R.T.: 5.575 min  
Delta R.T.: -0.001 min  
Response: 385746886  
Conc: 29.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



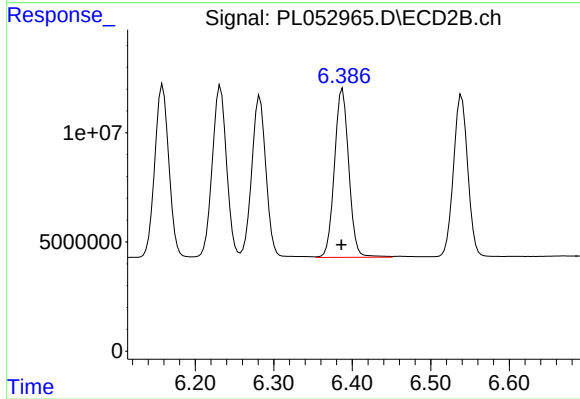
#11 alpha-Chlordane

R.T.: 6.232 min  
Delta R.T.: 0.000 min  
Response: 100617440  
Conc: 29.89 ng/ml



#12 4,4'-DDE

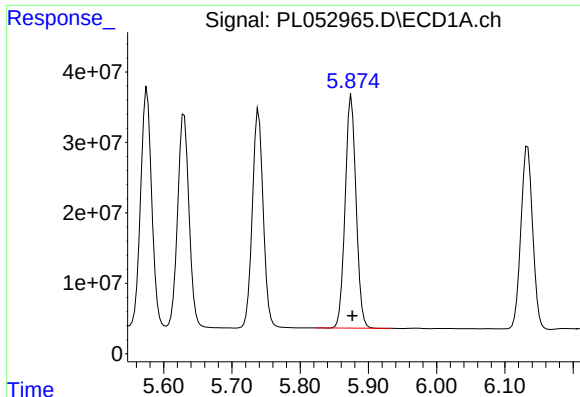
R.T.: 5.739 min  
Delta R.T.: -0.001 min  
Response: 343355495  
Conc: 29.58 ng/ml



#12 4,4'-DDE

R.T.: 6.388 min  
Delta R.T.: 0.001 min  
Response: 98152056  
Conc: 30.05 ng/ml

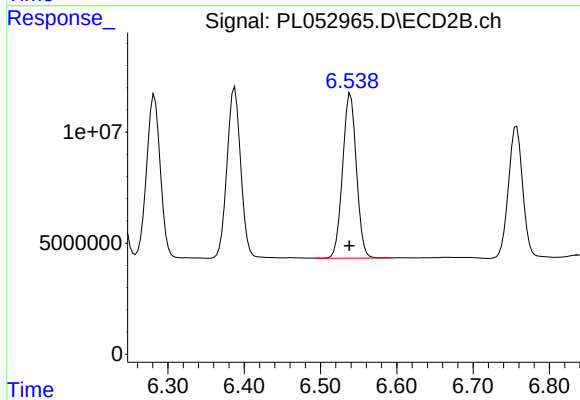




#13 Dieldrin

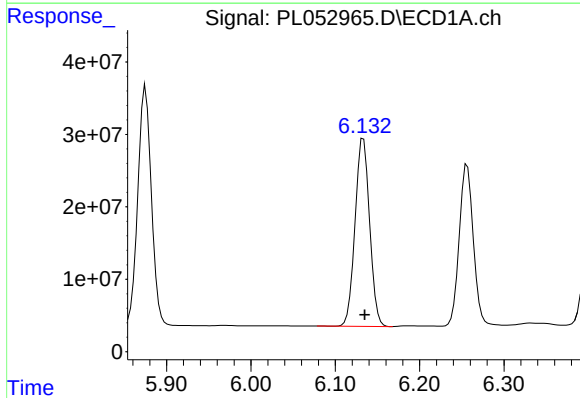
R.T.: 5.875 min  
Delta R.T.: -0.001 min  
Response: 367836577  
Conc: 28.50 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



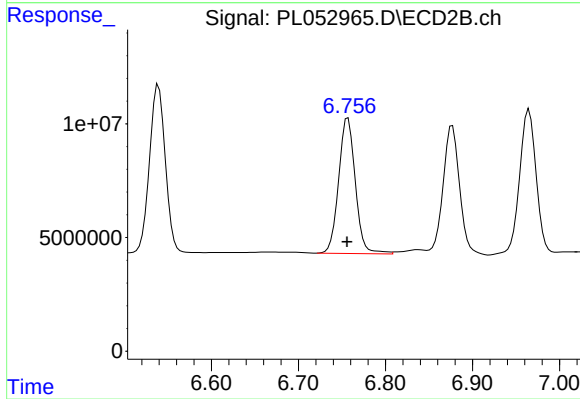
#13 Dieldrin

R.T.: 6.539 min  
Delta R.T.: 0.001 min  
Response: 93439964  
Conc: 28.65 ng/ml



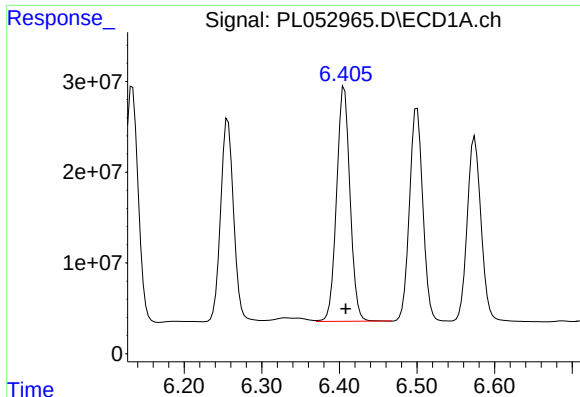
#14 Endrin

R.T.: 6.133 min  
Delta R.T.: -0.001 min  
Response: 311391291  
Conc: 27.34 ng/ml



#14 Endrin

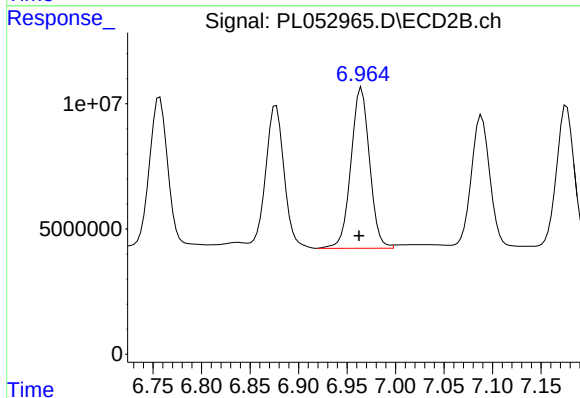
R.T.: 6.757 min  
Delta R.T.: 0.000 min  
Response: 79413012  
Conc: 28.60 ng/ml



#15 Endosulfan II

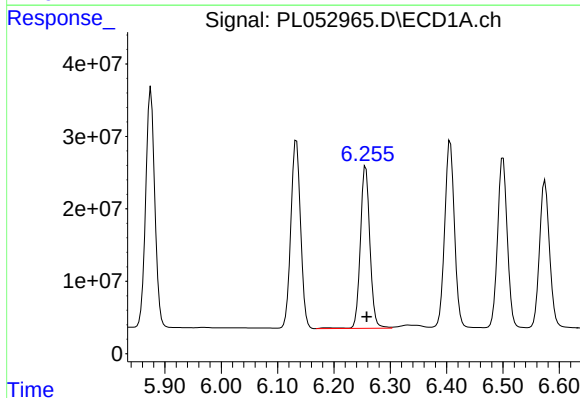
R.T.: 6.406 min  
Delta R.T.: -0.002 min  
Response: 310806606  
Conc: 27.12 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



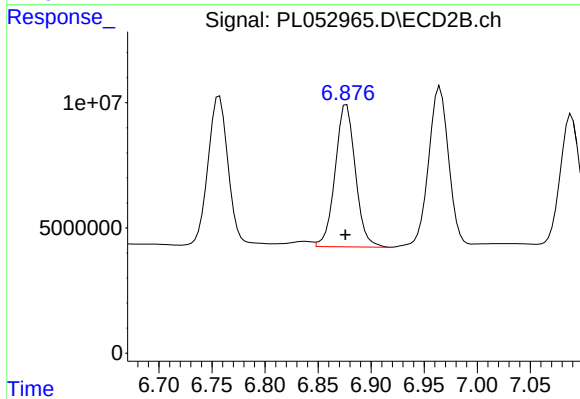
#15 Endosulfan II

R.T.: 6.965 min  
Delta R.T.: 0.003 min  
Response: 85550776  
Conc: 28.83 ng/ml



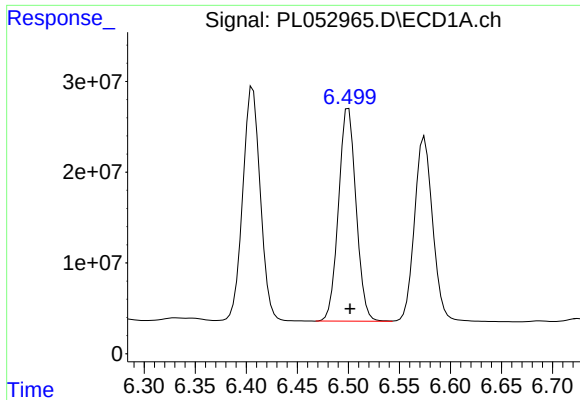
#16 4,4'-DDD

R.T.: 6.256 min  
Delta R.T.: -0.002 min  
Response: 263980242  
Conc: 29.37 ng/ml



#16 4,4'-DDD

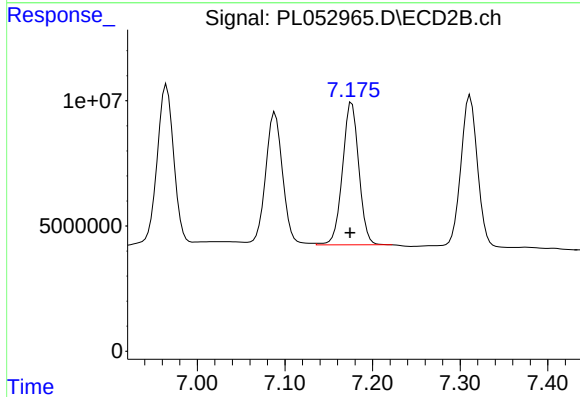
R.T.: 6.877 min  
Delta R.T.: 0.001 min  
Response: 75209543  
Conc: 30.67 ng/ml



#17 4,4'-DDT

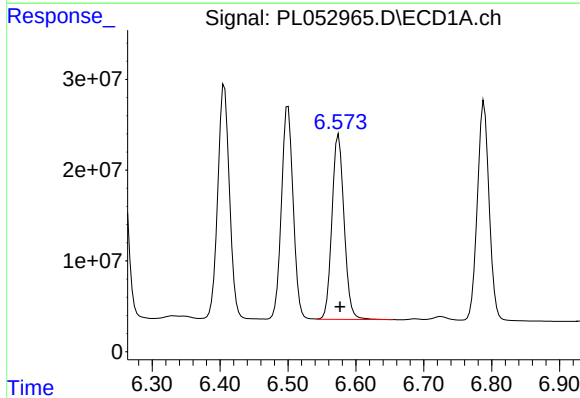
R.T.: 6.500 min  
Delta R.T.: -0.002 min  
Response: 280925538  
Conc: 27.51 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



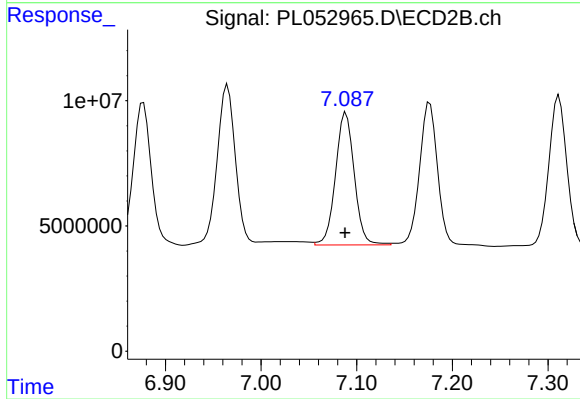
#17 4,4'-DDT

R.T.: 7.176 min  
Delta R.T.: 0.002 min  
Response: 73805940  
Conc: 28.36 ng/ml



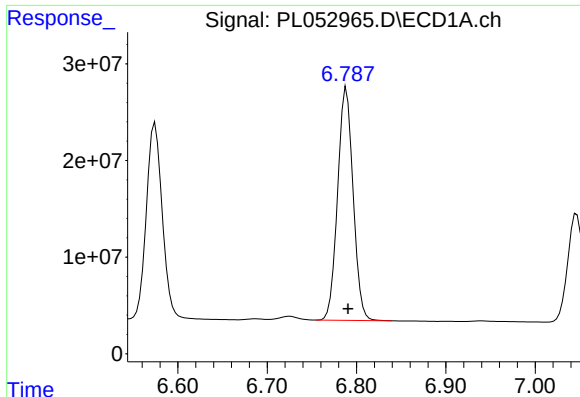
#18 Endrin aldehyde

R.T.: 6.575 min  
Delta R.T.: -0.002 min  
Response: 252715961  
Conc: 26.91 ng/ml



#18 Endrin aldehyde

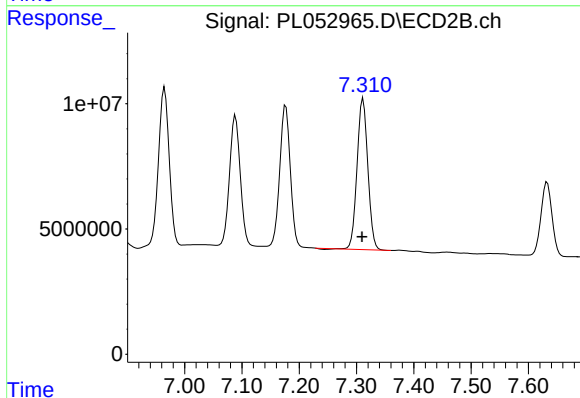
R.T.: 7.089 min  
Delta R.T.: 0.001 min  
Response: 72172865  
Conc: 29.43 ng/ml



#19 Endosulfan Sulfate

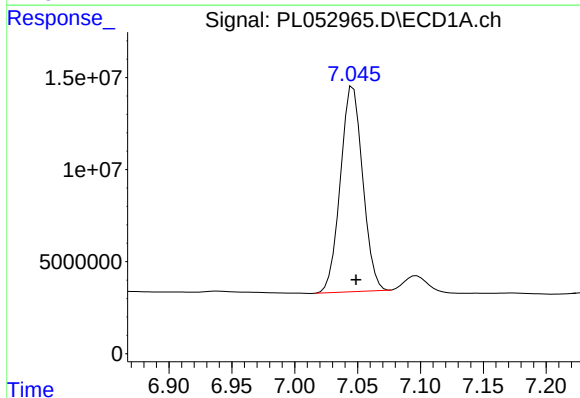
R.T.: 6.789 min  
Delta R.T.: -0.002 min  
Response: 289828340  
Conc: 27.84 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



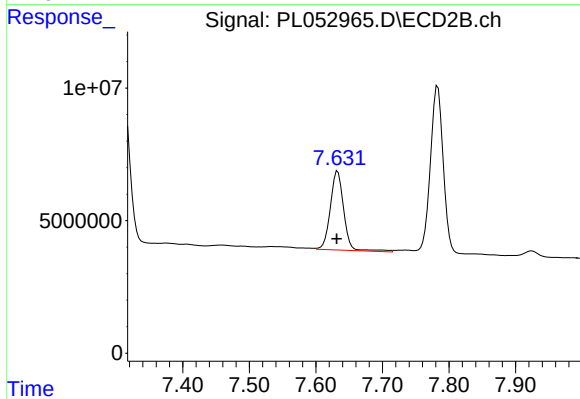
#19 Endosulfan Sulfate

R.T.: 7.311 min  
Delta R.T.: 0.002 min  
Response: 78548254  
Conc: 28.77 ng/ml



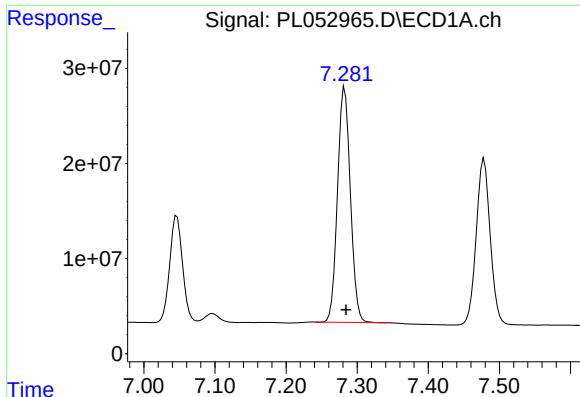
#20 Methoxychlor

R.T.: 7.046 min  
Delta R.T.: -0.002 min  
Response: 137679815  
Conc: 26.69 ng/ml



#20 Methoxychlor

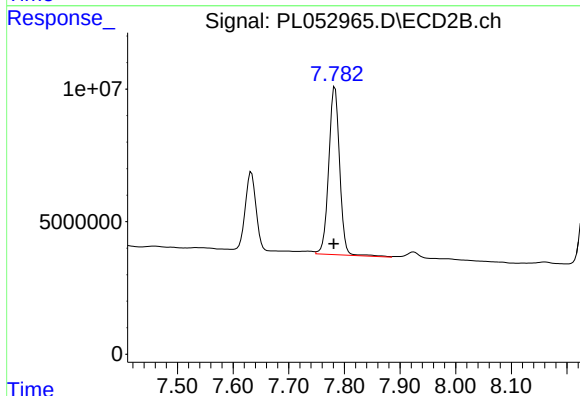
R.T.: 7.633 min  
Delta R.T.: 0.001 min  
Response: 41848165  
Conc: 29.72 ng/ml



#21 Endrin ketone

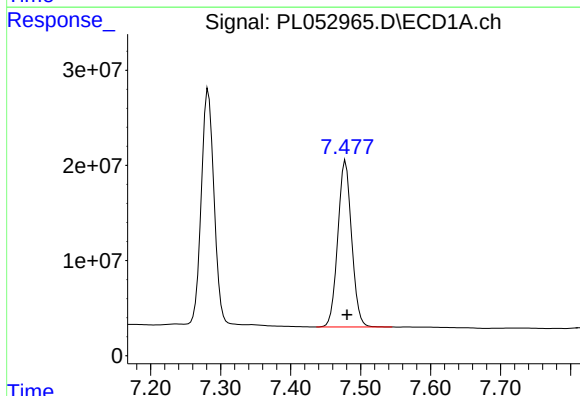
R.T.: 7.282 min  
Delta R.T.: -0.002 min  
Response: 310279258  
Conc: 26.62 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



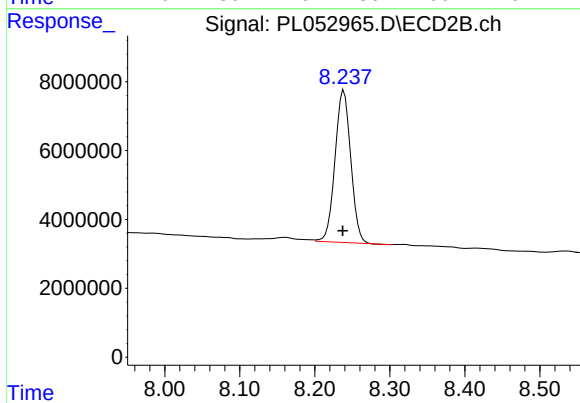
#21 Endrin ketone

R.T.: 7.783 min  
Delta R.T.: 0.002 min  
Response: 86730941  
Conc: 30.40 ng/ml



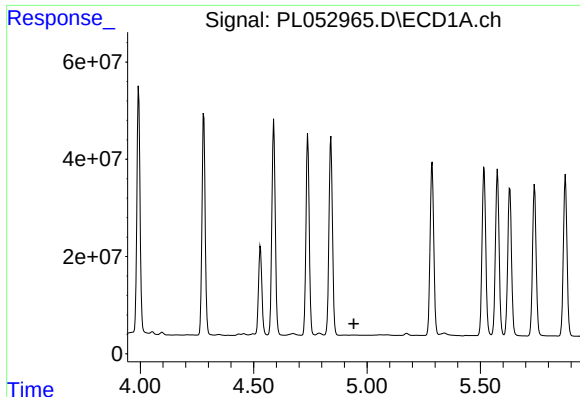
#22 Mirex

R.T.: 7.478 min  
Delta R.T.: -0.002 min  
Response: 240031633  
Conc: 25.42 ng/ml



#22 Mirex

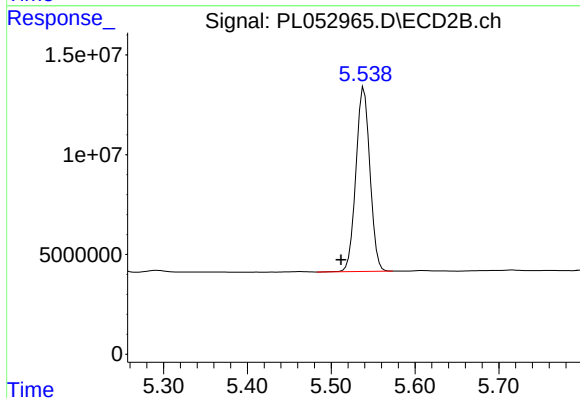
R.T.: 8.239 min  
Delta R.T.: 0.002 min  
Response: 64479412  
Conc: 28.67 ng/ml



#24 Chlordane-2

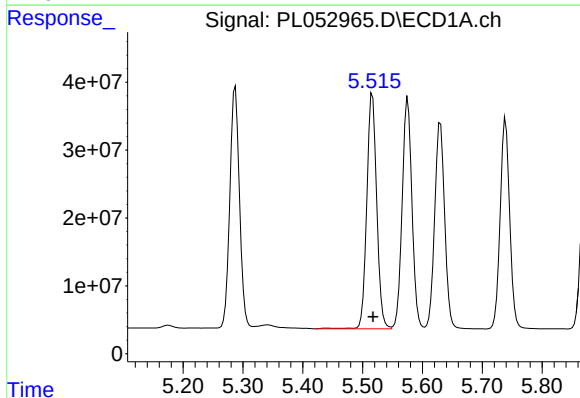
R.T.: 0.000 min  
Exp R.T.: 4.942 min  
Response: 0  
Conc: N.D.

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



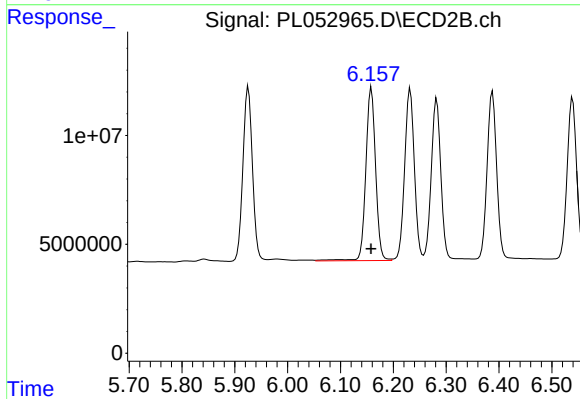
#24 Chlordane-2

R.T.: 5.539 min  
Delta R.T.: 0.027 min  
Response: 107167178  
Conc: 957.51 ng/ml



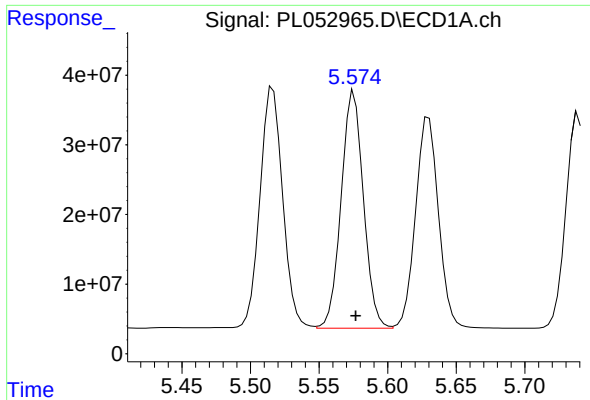
#25 Chlordane-3

R.T.: 5.516 min  
Delta R.T.: -0.001 min  
Response: 401698543  
Conc: 346.68 ng/ml



#25 Chlordane-3

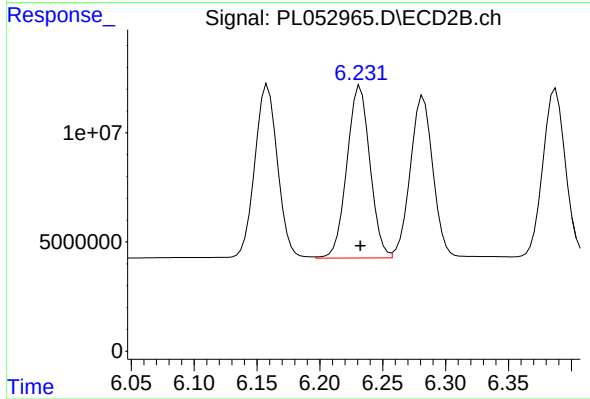
R.T.: 6.159 min  
Delta R.T.: 0.000 min  
Response: 102226198  
Conc: 234.73 ng/ml



#26 Chlordane-4

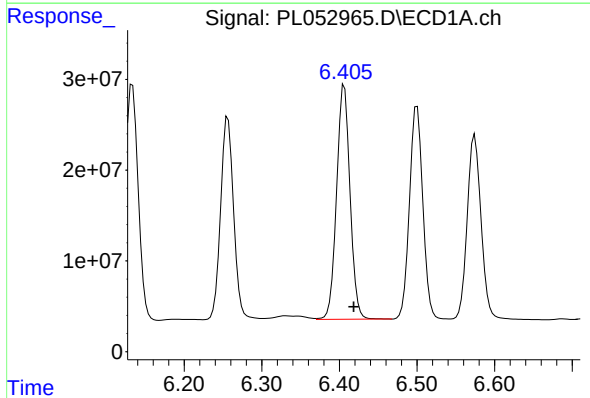
R.T.: 5.575 min  
Delta R.T.: -0.001 min  
Response: 385746886  
Conc: 404.17 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



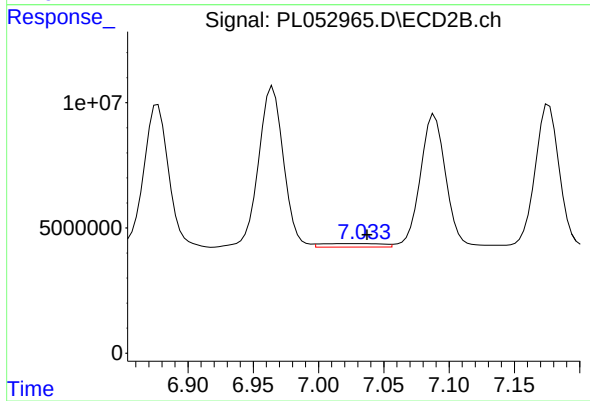
#26 Chlordane-4

R.T.: 6.232 min  
Delta R.T.: 0.000 min  
Response: 100617440  
Conc: 189.49 ng/ml



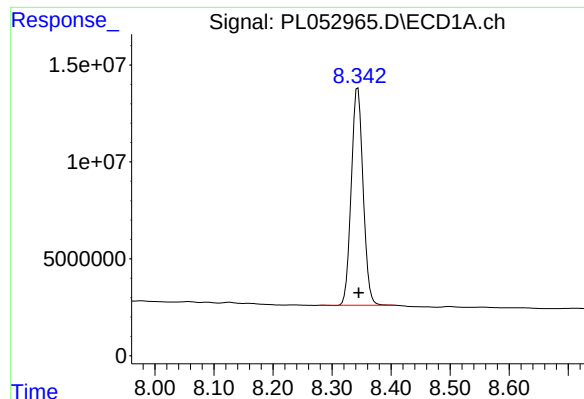
#27 Chlordane-5

R.T.: 6.406 min  
Delta R.T.: -0.012 min  
Response: 310806606  
Conc: 787.98 ng/ml



#27 Chlordane-5

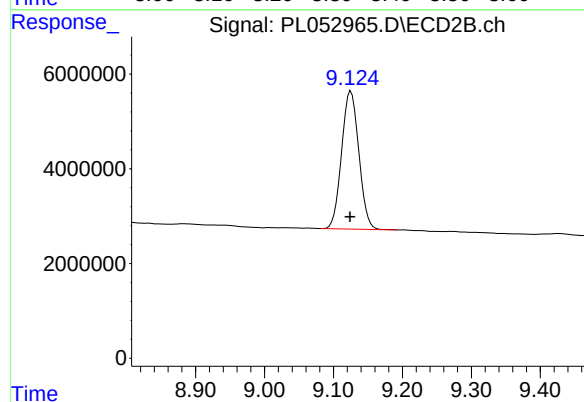
R.T.: 7.034 min  
Delta R.T.: -0.003 min  
Response: 4557959  
Conc: 51.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.344 min  
Delta R.T.: -0.002 min  
Response: 156184740  
Conc: 15.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
GP-5\_(10-12)MS



#28 Decachlorobiphenyl

R.T.: 9.125 min  
Delta R.T.: 0.001 min  
Response: 50609694  
Conc: 17.25 ng/ml