

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD020624\  
 Data File : PD081138.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 06 Feb 2024 19:33  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 02/07/2024  
 Supervised By : Ankita Jodhani 02/07/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 06 21:10:23 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD012424.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Jan 25 11:14:56 2024  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2  
 Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.566 | 2.795 | 29517655 | 51338606 | 20.793  | 21.461  |
| 28)                         | SA Decachlor... | 9.112 | 7.933 | 41596423 | 55760622 | 20.669  | 20.934  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.023 | 3.297 | 23379247 | 39328380 | 9.413   | 10.250  |
| 3)                          | MA gamma-BHC... | 4.356 | 3.626 | 23180878 | 36382308 | 9.471   | 9.731   |
| 6)                          | B beta-BHC      | 4.551 | 3.921 | 11192859 | 17697294 | 11.062  | 11.326  |
| 12)                         | B 4,4'-DDE      | 6.226 | 5.253 | 463718   | 942576   | 0.228   | 0.308 # |
| 14)                         | MA Endrin       | 6.610 | 5.657 | 74048487 | 128.6E6  | 39.646m | 43.400m |
| 16)                         | A 4,4'-DDD      | 6.743 | 5.805 | 5734088  | 9362772  | 3.490   | 3.566   |
| 17)                         | MA 4,4'-DDT     | 7.058 | 6.056 | 156.0E6  | 253.2E6  | 87.592  | 95.449  |
| 18)                         | B Endrin al...  | 6.960 | 6.130 | 4927421  | 8625976  | 3.239   | 3.826m  |
| 20)                         | A Methoxychlor  | 7.532 | 6.630 | 209.3E6  | 312.9E6  | 203.345 | 199.906 |
| 21)                         | B Endrin ke...  | 7.679 | 6.858 | 9715689  | 17344800 | 4.646m  | 5.375   |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 06 Feb 2024 19:33  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

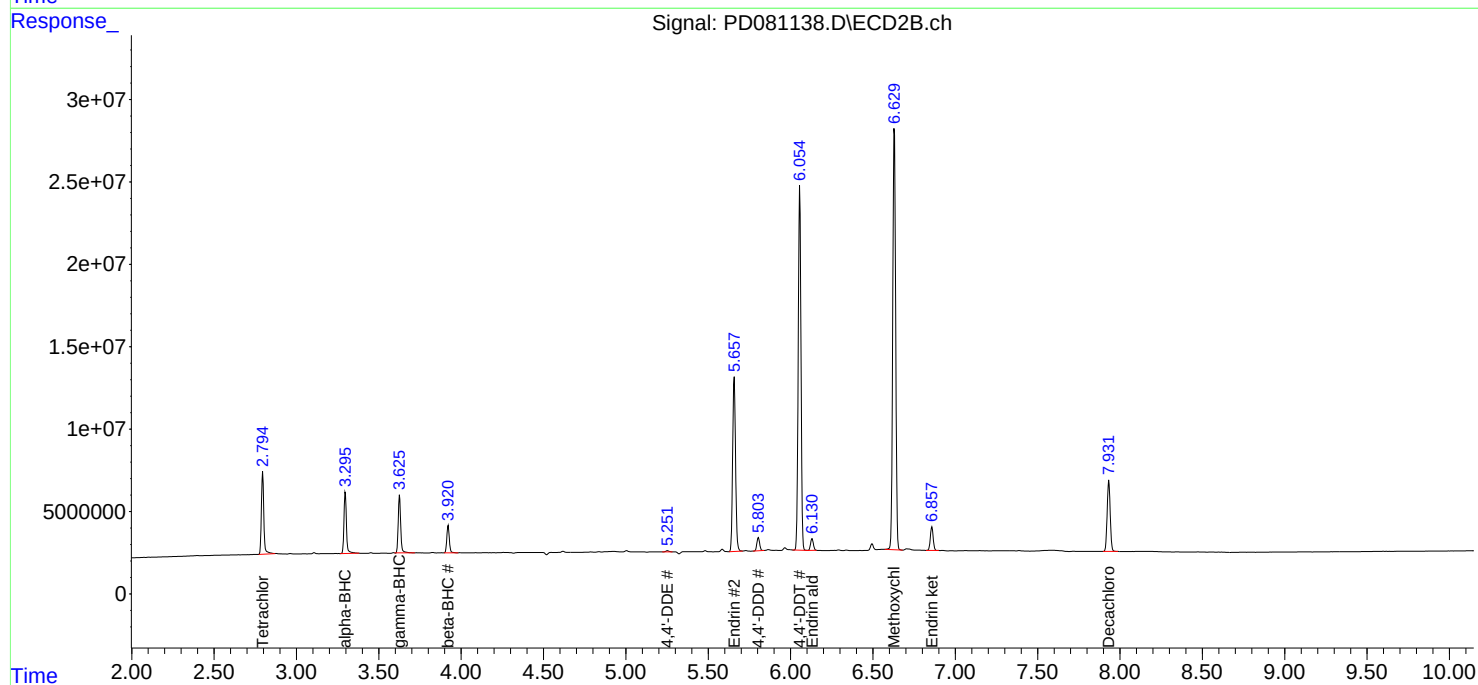
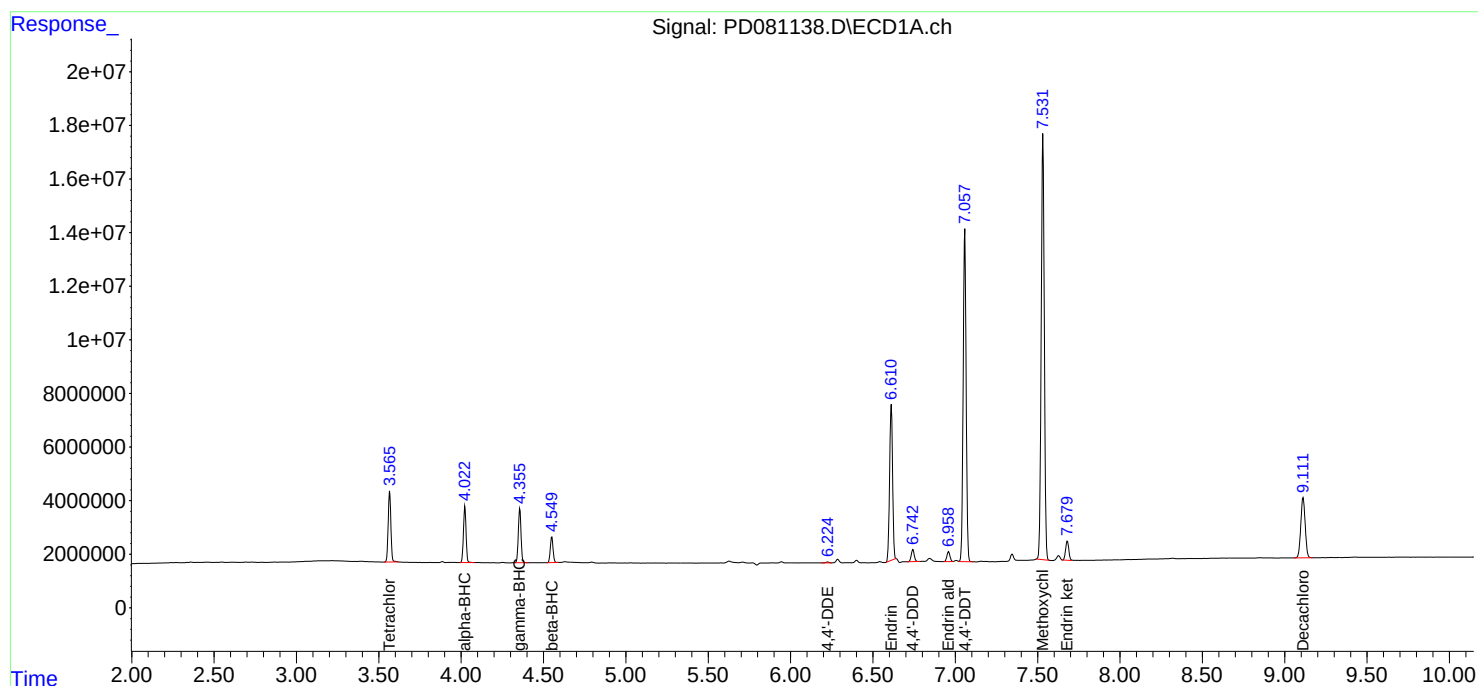
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

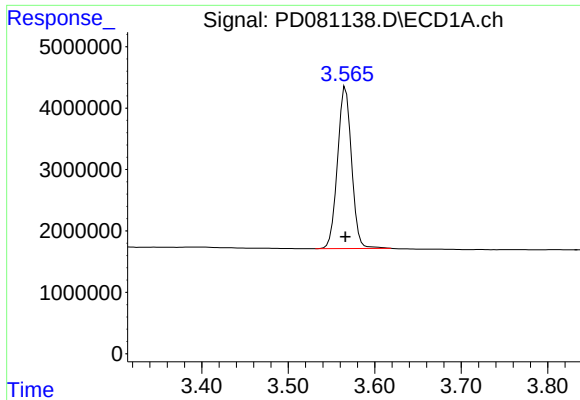
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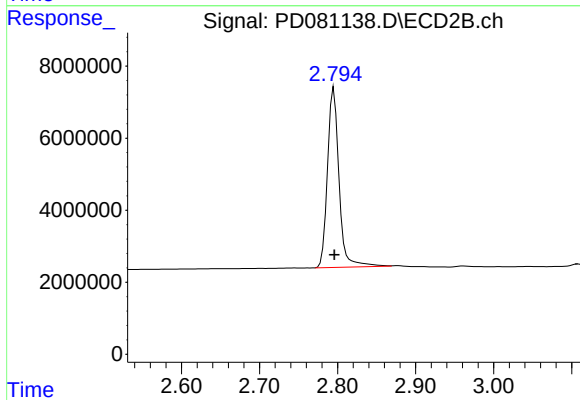
#1 Tetrachloro-m-xylene

R.T.: 3.566 min  
Delta R.T.: 0.000 min  
Response: 29517655  
Conc: 20.79 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

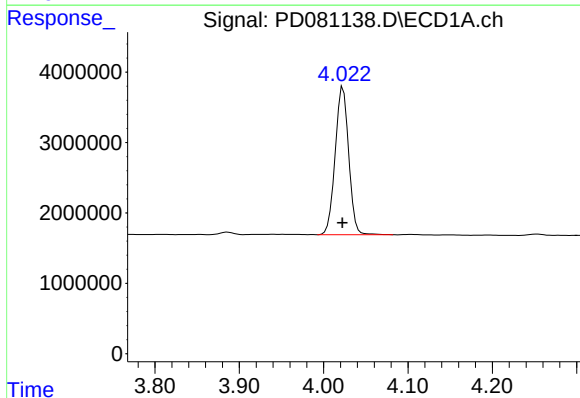
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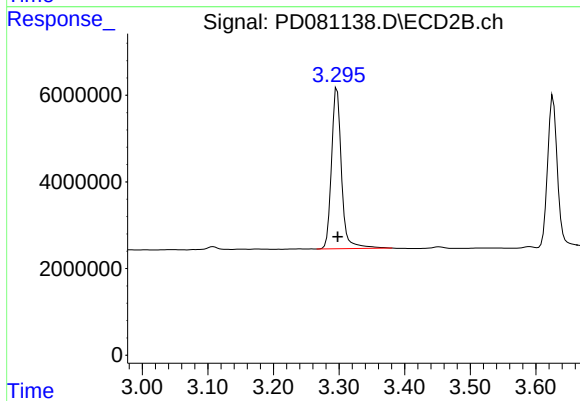
#1 Tetrachloro-m-xylene

R.T.: 2.795 min  
Delta R.T.: 0.000 min  
Response: 51338606  
Conc: 21.46 ng/ml



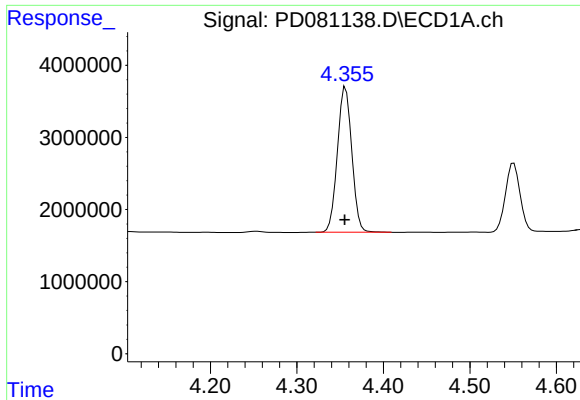
#2 alpha-BHC

R.T.: 4.023 min  
Delta R.T.: 0.000 min  
Response: 23379247  
Conc: 9.41 ng/ml



#2 alpha-BHC

R.T.: 3.297 min  
Delta R.T.: -0.001 min  
Response: 39328380  
Conc: 10.25 ng/ml



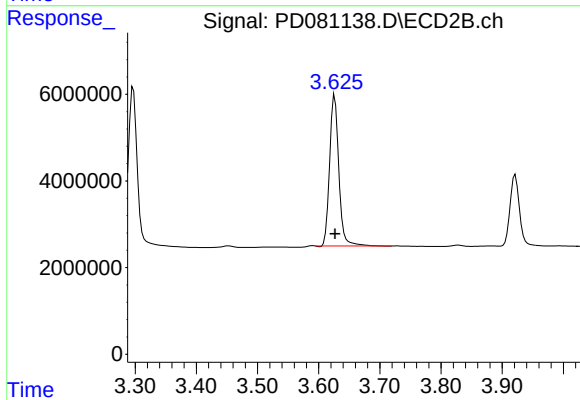
#3 gamma-BHC (Lindane)

R.T.: 4.356 min  
Delta R.T.: 0.000 min  
Response: 23180878  
Conc: 9.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

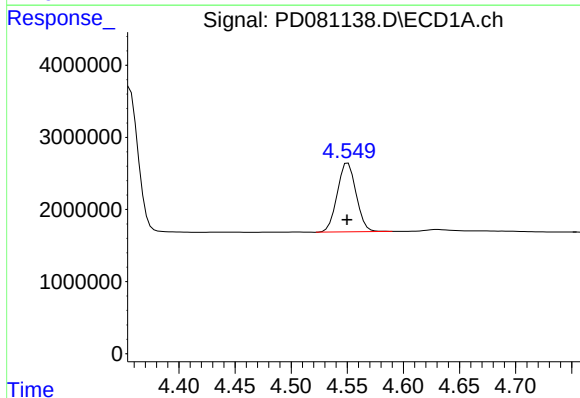
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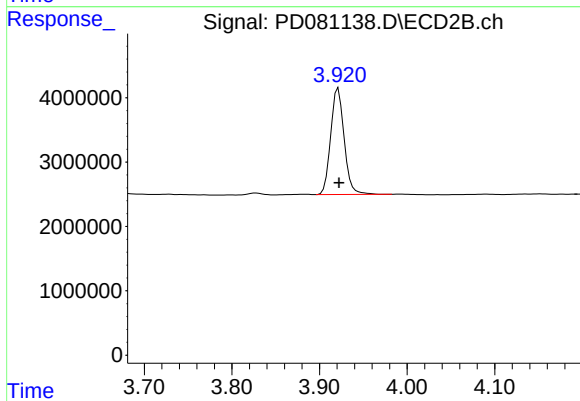
#3 gamma-BHC (Lindane)

R.T.: 3.626 min  
Delta R.T.: 0.000 min  
Response: 36382308  
Conc: 9.73 ng/ml



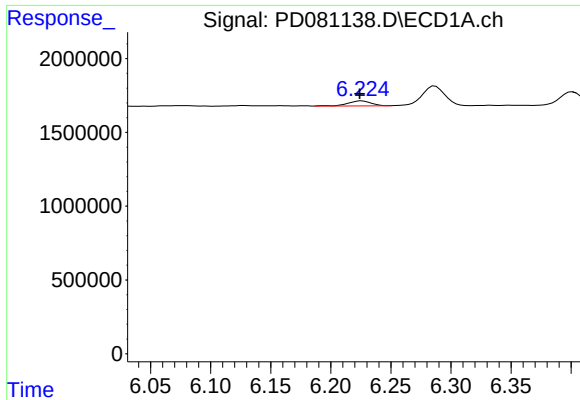
#6 beta-BHC

R.T.: 4.551 min  
Delta R.T.: 0.001 min  
Response: 11192859  
Conc: 11.06 ng/ml



#6 beta-BHC

R.T.: 3.921 min  
Delta R.T.: 0.000 min  
Response: 17697294  
Conc: 11.33 ng/ml



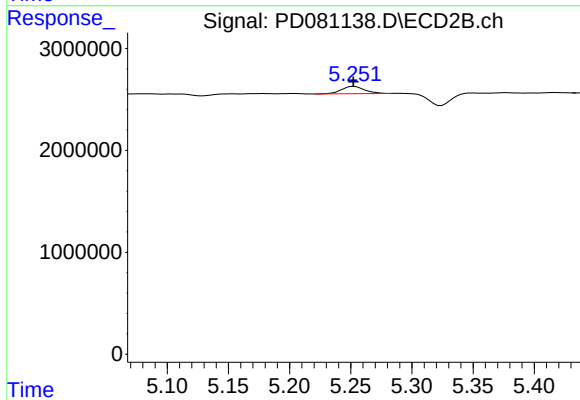
#12 4,4'-DDE

R.T.: 6.226 min  
Delta R.T.: 0.002 min  
Response: 463718  
Conc: 0.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

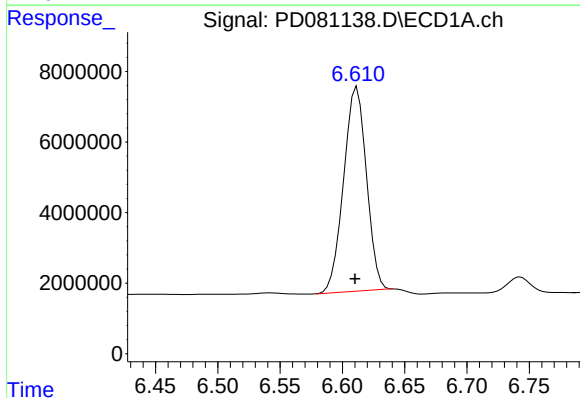
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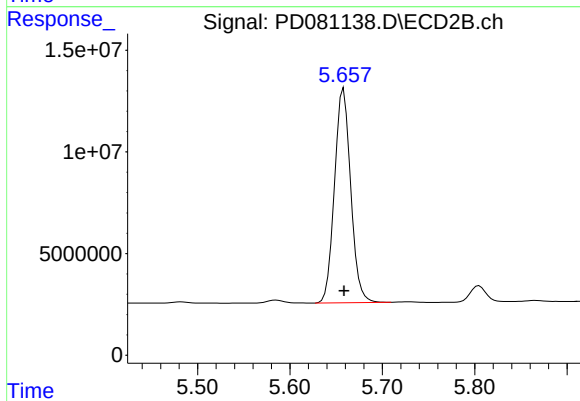
#12 4,4'-DDE

R.T.: 5.253 min  
Delta R.T.: 0.000 min  
Response: 942576  
Conc: 0.31 ng/ml



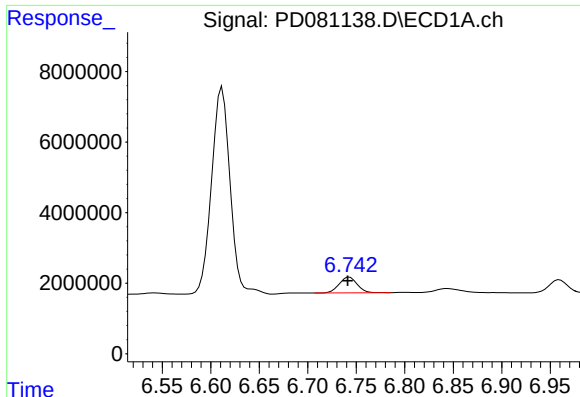
#14 Endrin

R.T.: 6.610 min  
Delta R.T.: 0.000 min  
Response: 74048487  
Conc: 39.65 ng/ml m



#14 Endrin

R.T.: 5.657 min  
Delta R.T.: -0.002 min  
Response: 128611293  
Conc: 43.40 ng/ml m



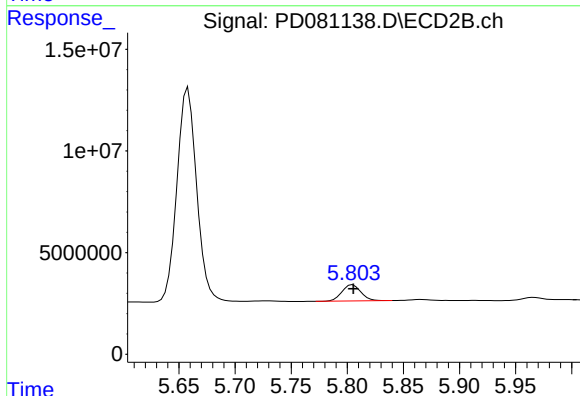
#16 4,4'-DDD

R.T.: 6.743 min  
Delta R.T.: 0.002 min  
Response: 5734088  
Conc: 3.49 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

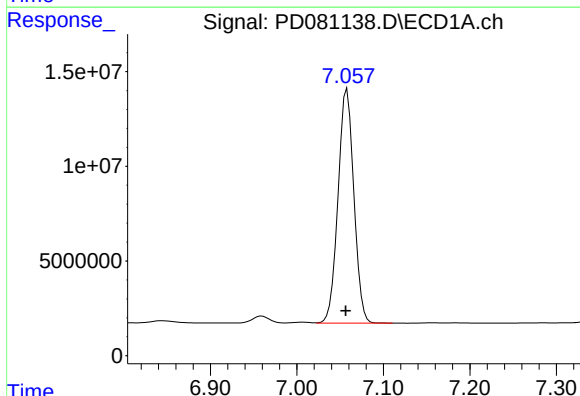
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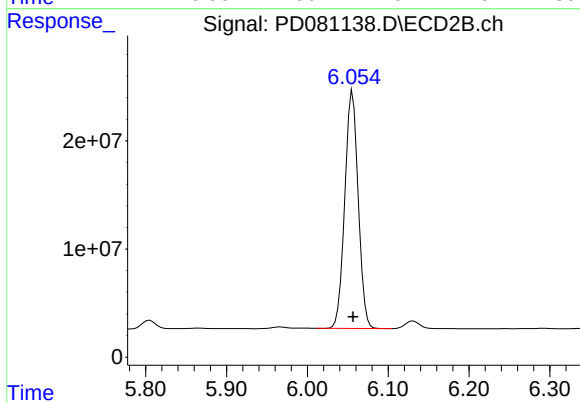
#16 4,4'-DDD

R.T.: 5.805 min  
Delta R.T.: 0.000 min  
Response: 9362772  
Conc: 3.57 ng/ml



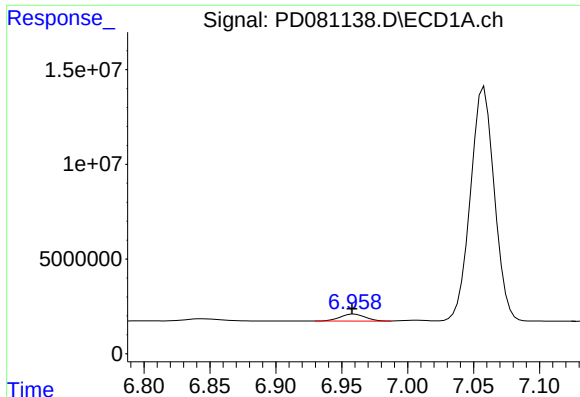
#17 4,4'-DDT

R.T.: 7.058 min  
Delta R.T.: 0.001 min  
Response: 155990533  
Conc: 87.59 ng/ml



#17 4,4'-DDT

R.T.: 6.056 min  
Delta R.T.: 0.000 min  
Response: 253232766  
Conc: 95.45 ng/ml



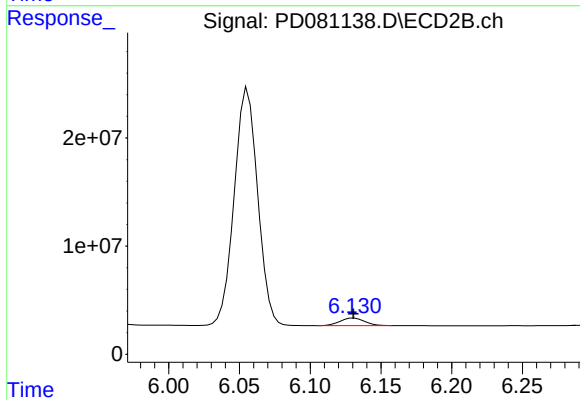
#18 Endrin aldehyde

R.T.: 6.960 min  
Delta R.T.: 0.002 min  
Response: 4927421  
Conc: 3.24 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

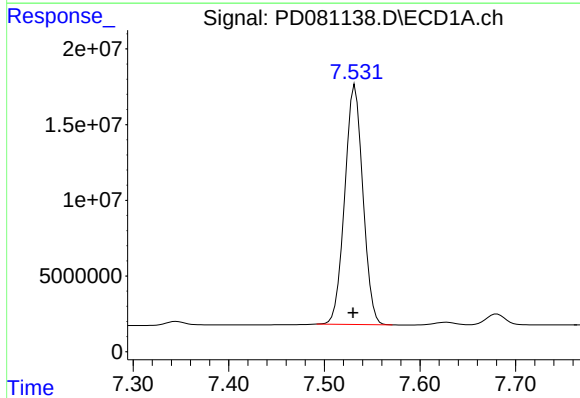
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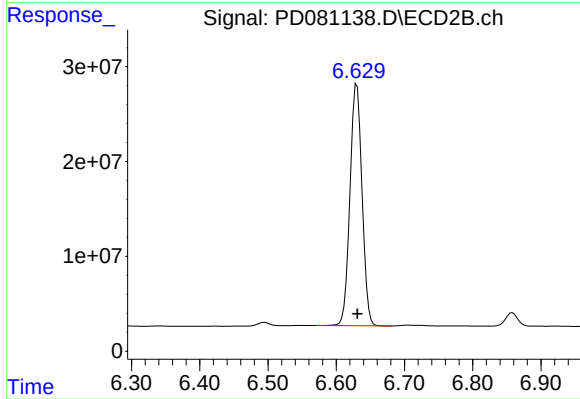
#18 Endrin aldehyde

R.T.: 6.130 min  
Delta R.T.: 0.000 min  
Response: 8625976  
Conc: 3.83 ng/ml m



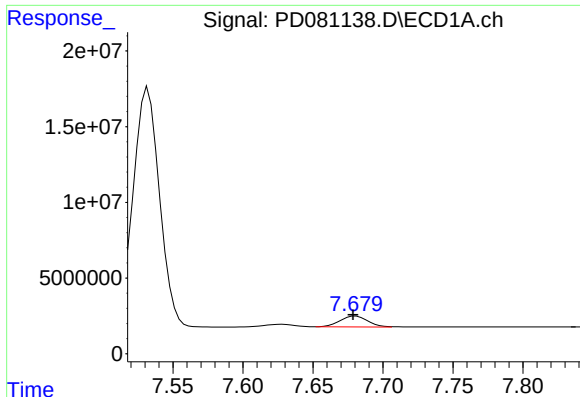
#20 Methoxychlor

R.T.: 7.532 min  
Delta R.T.: 0.002 min  
Response: 209298666  
Conc: 203.35 ng/ml



#20 Methoxychlor

R.T.: 6.630 min  
Delta R.T.: 0.000 min  
Response: 312903996  
Conc: 199.91 ng/ml



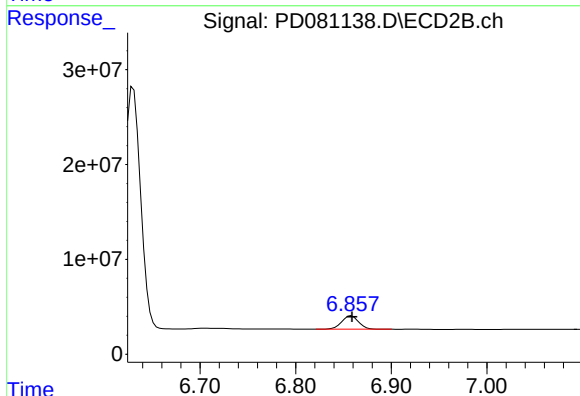
#21 Endrin ketone

R.T.: 7.679 min  
Delta R.T.: 0.000 min  
Response: 9715689  
Conc: 4.65 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

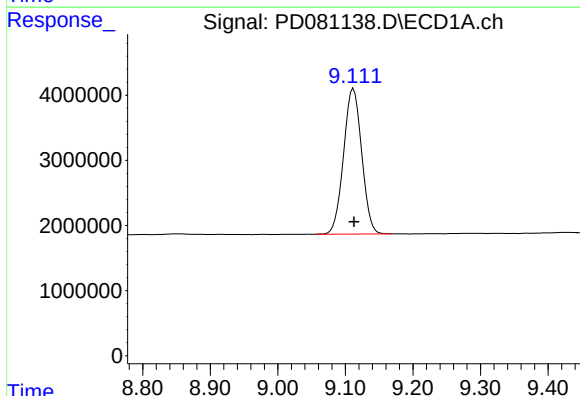
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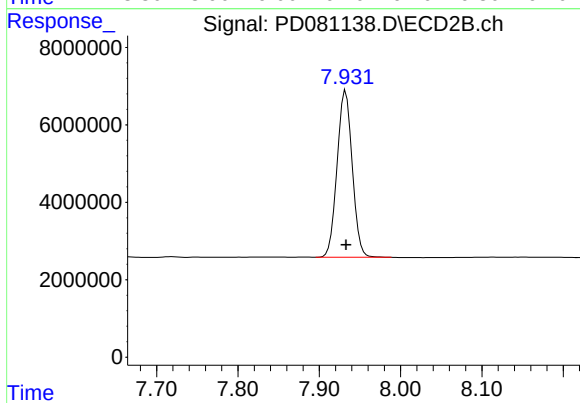
#21 Endrin ketone

R.T.: 6.858 min  
Delta R.T.: 0.000 min  
Response: 17344800  
Conc: 5.37 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.112 min  
Delta R.T.: -0.001 min  
Response: 41596423  
Conc: 20.67 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.933 min  
Delta R.T.: 0.000 min  
Response: 55760622  
Conc: 20.93 ng/ml