

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD051325\  
 Data File : PD088536.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 13 May 2025 19:32  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 05/14/2025  
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 13 22:47:39 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD041825.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Apr 19 06:32:27 2025  
 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...          | 3.552 | 2.883 | 47019851 | 322.3E6  | 23.541  | 22.043  |
| 28) SA Decachlor...         | 9.074 | 8.074 | 75566561 | 356.9E6  | 22.843  | 19.312  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.001 | 3.395 | 46594454 | 261.0E6  | 10.806  | 11.417  |
| 3) MA gamma-BHC...          | 4.331 | 3.731 | 46757756 | 244.0E6  | 11.166  | 11.331  |
| 6) B beta-BHC               | 4.516 | 4.027 | 19677250 | 107.0E6  | 12.121  | 11.564  |
| 14) MA Endrin               | 6.575 | 5.791 | 171.2E6  | 916.2E6  | 57.411  | 50.335  |
| 16) A 4,4'-DDD              | 6.705 | 5.931 | 6622362  | 40303261 | 2.633   | 2.460   |
| 17) MA 4,4'-DDT             | 7.022 | 6.185 | 312.7E6  | 1608.5E6 | 112.583 | 94.525  |
| 18) B Endrin al...          | 6.916 | 6.260 | 1780680  | 12805372 | 0.772m  | 0.963   |
| 20) A Methoxychlor          | 7.493 | 6.756 | 383.6E6  | 1770.7E6 | 255.817 | 194.136 |
| 21) B Endrin ke...          | 7.631 | 6.992 | 3153341  | 27177282 | 1.022   | 1.453 # |
| -----                       |       |       |          |          |         |         |

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

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Acq On : 13 May 2025 19:32  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

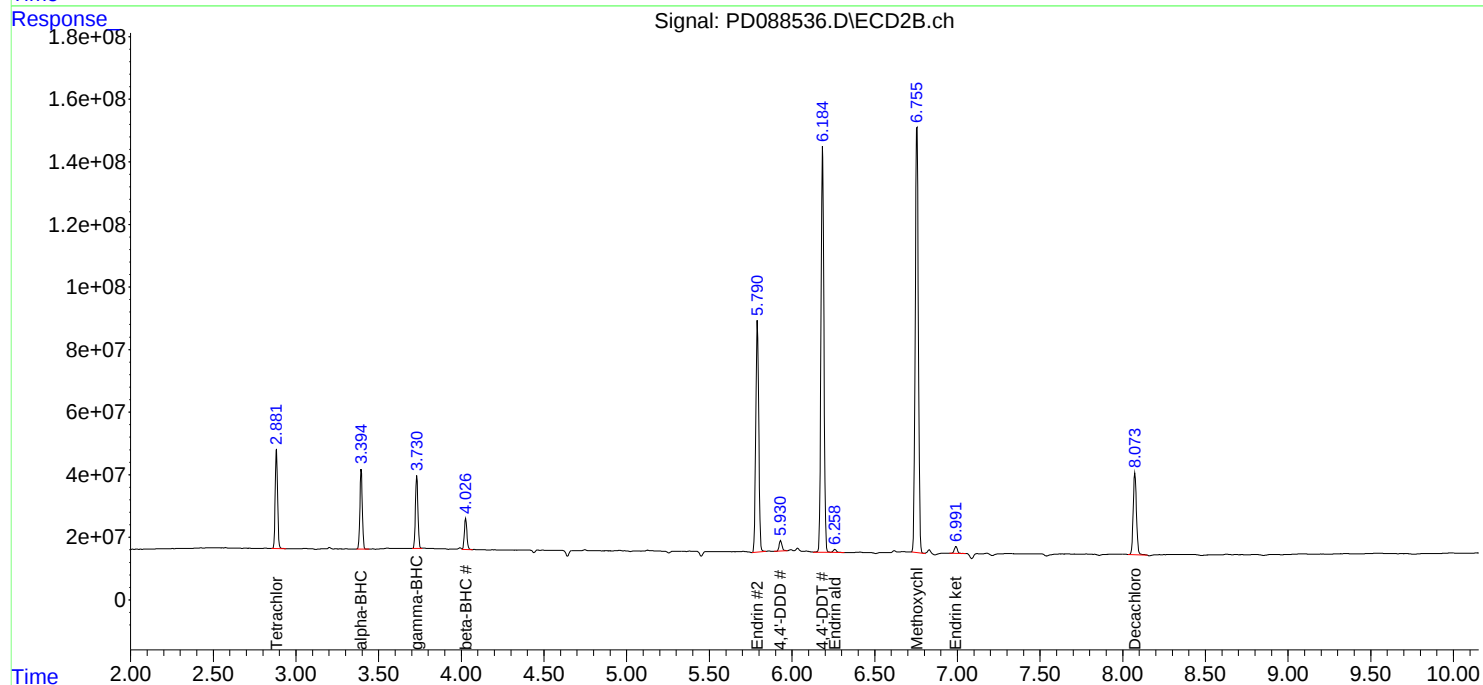
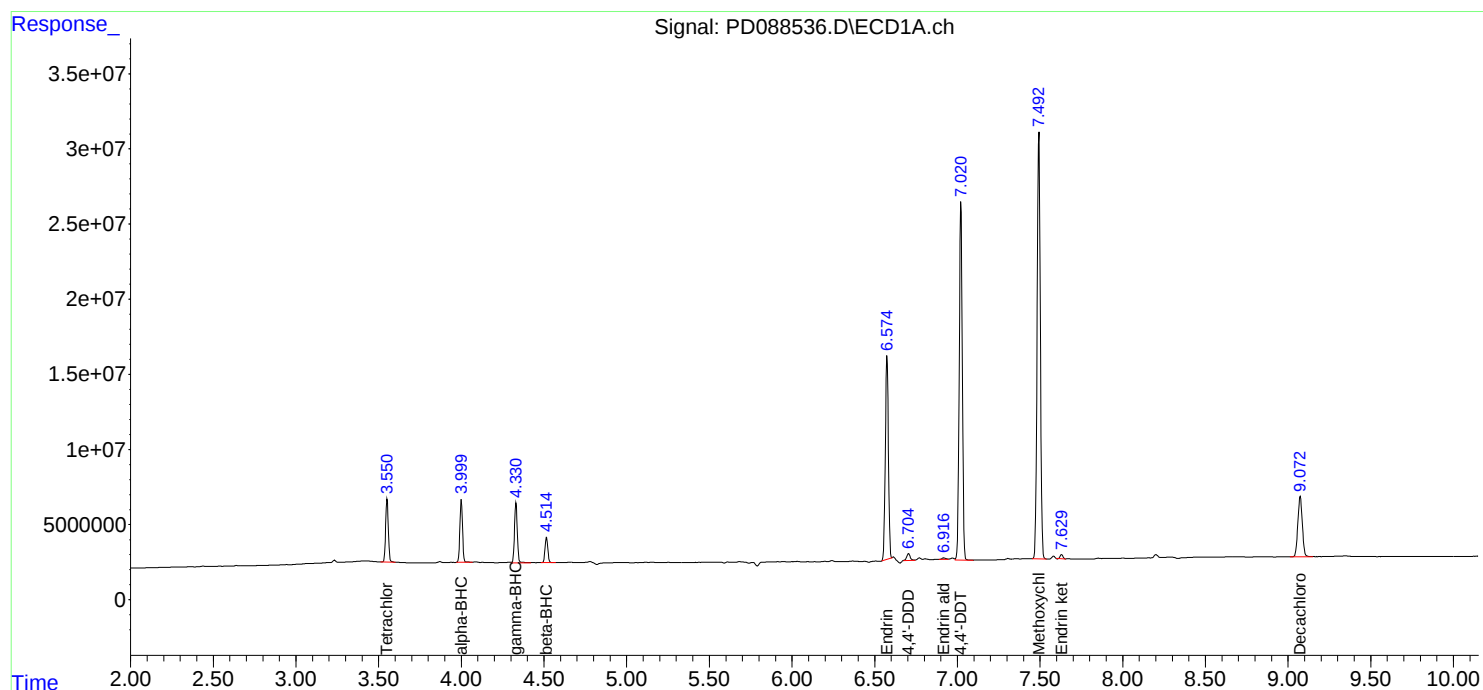
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

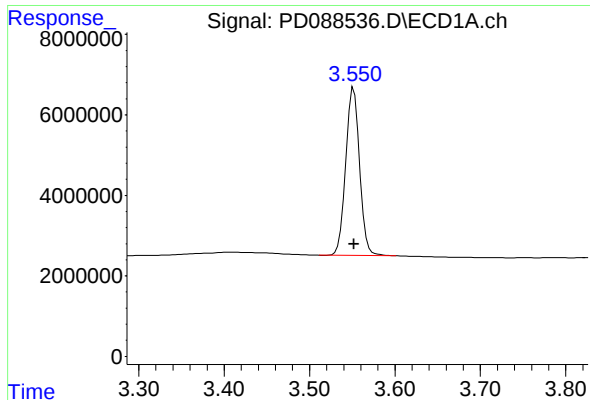
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Integration File signal 1: autoint1.e  
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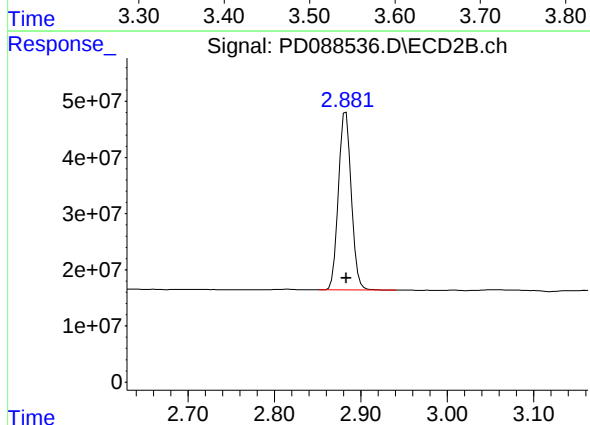
#1 Tetrachloro-m-xylene

R.T.: 3.552 min  
Delta R.T.: 0.000 min  
Response: 47019851  
Conc: 23.54 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

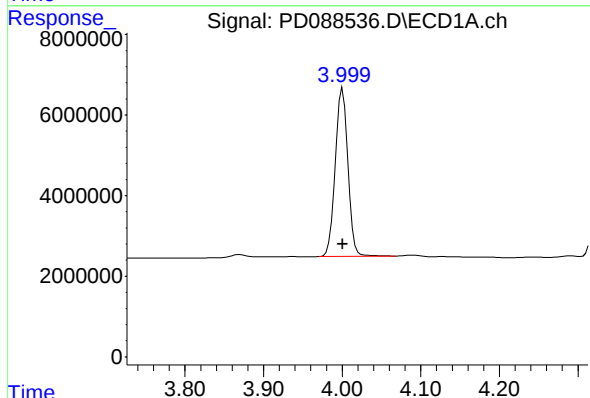
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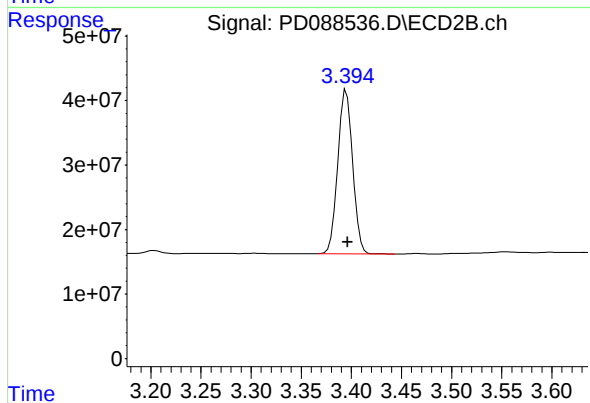
#1 Tetrachloro-m-xylene

R.T.: 2.883 min  
Delta R.T.: 0.000 min  
Response: 322310458  
Conc: 22.04 ng/ml



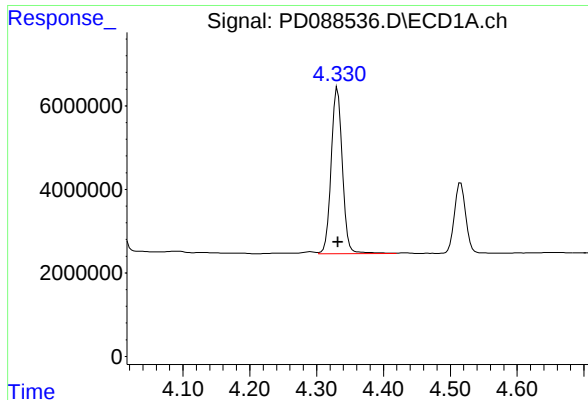
#2 alpha-BHC

R.T.: 4.001 min  
Delta R.T.: 0.000 min  
Response: 46594454  
Conc: 10.81 ng/ml



#2 alpha-BHC

R.T.: 3.395 min  
Delta R.T.: -0.001 min  
Response: 261004901  
Conc: 11.42 ng/ml



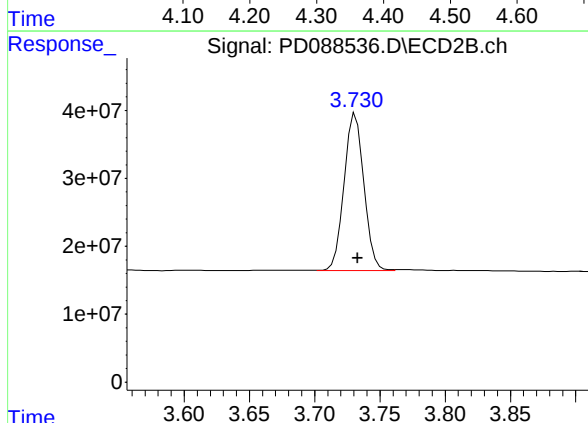
#3 gamma-BHC (Lindane)

R.T.: 4.331 min  
Delta R.T.: 0.000 min  
Response: 46757756  
Conc: 11.17 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

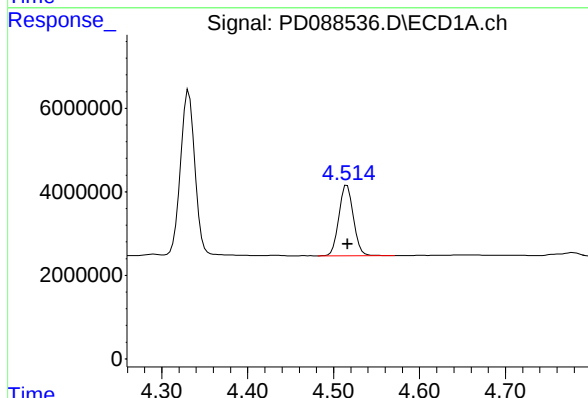
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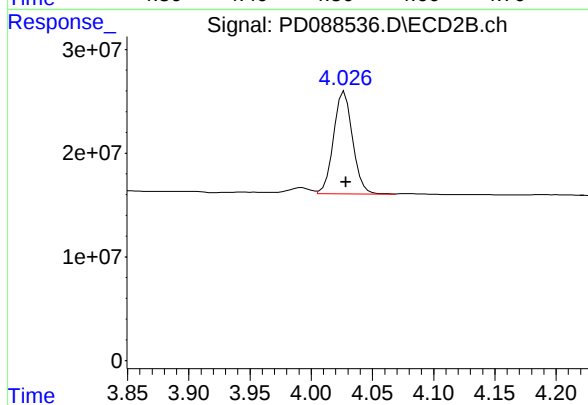
#3 gamma-BHC (Lindane)

R.T.: 3.731 min  
Delta R.T.: -0.002 min  
Response: 244047790  
Conc: 11.33 ng/ml



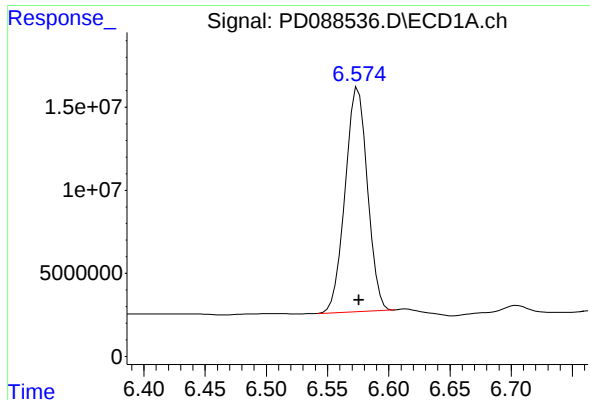
#6 beta-BHC

R.T.: 4.516 min  
Delta R.T.: 0.000 min  
Response: 19677250  
Conc: 12.12 ng/ml



#6 beta-BHC

R.T.: 4.027 min  
Delta R.T.: -0.001 min  
Response: 107012302  
Conc: 11.56 ng/ml



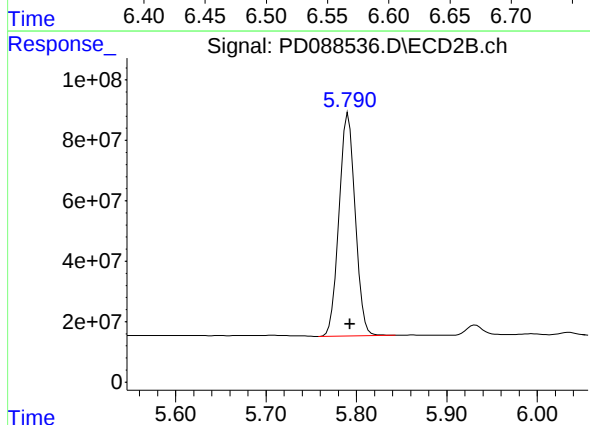
#14 Endrin

R.T.: 6.575 min  
Delta R.T.: 0.000 min  
Response: 171233306  
Conc: 57.41 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

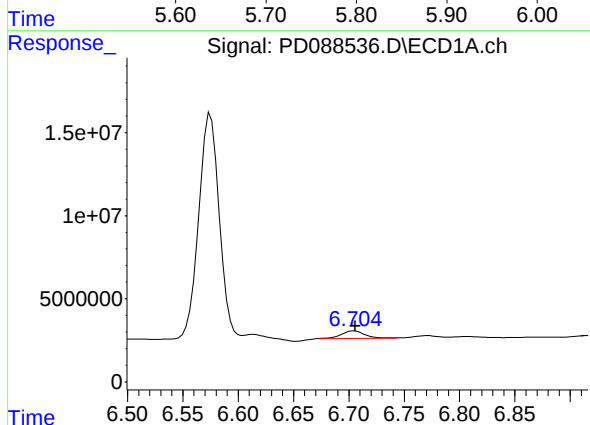
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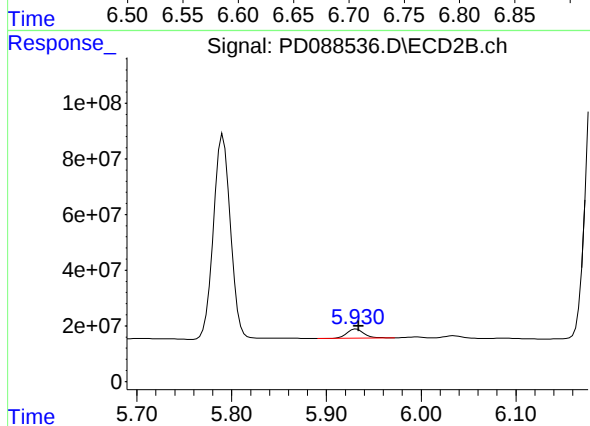
#14 Endrin

R.T.: 5.791 min  
Delta R.T.: -0.002 min  
Response: 916213544  
Conc: 50.33 ng/ml



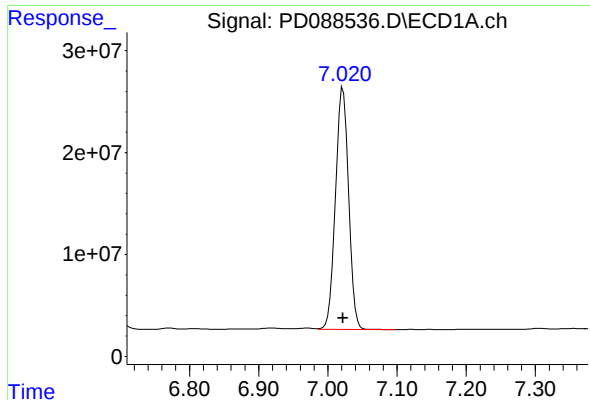
#16 4,4'-DDD

R.T.: 6.705 min  
Delta R.T.: 0.000 min  
Response: 6622362  
Conc: 2.63 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min  
Delta R.T.: -0.003 min  
Response: 40303261  
Conc: 2.46 ng/ml



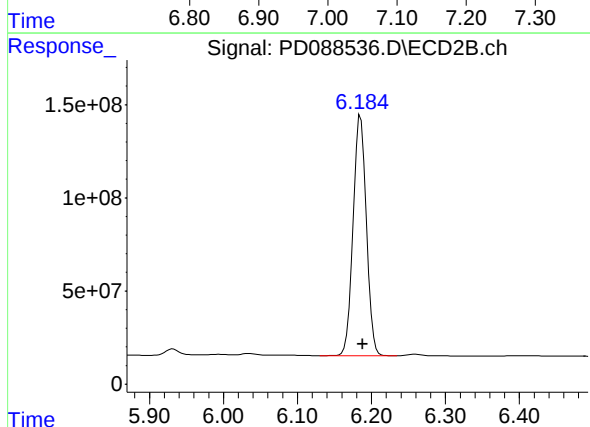
#17 4,4'-DDT

R.T.: 7.022 min  
Delta R.T.: 0.000 min  
Response: 312704240  
Conc: 112.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

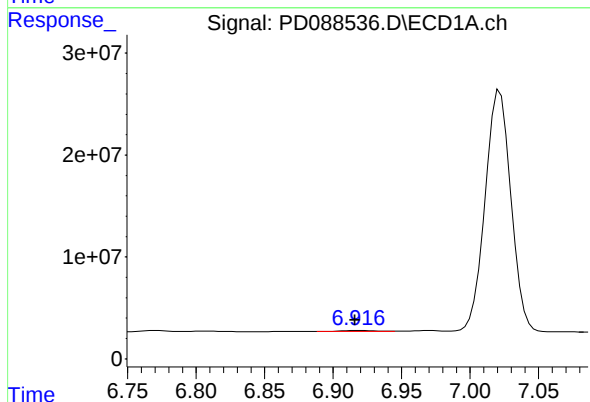
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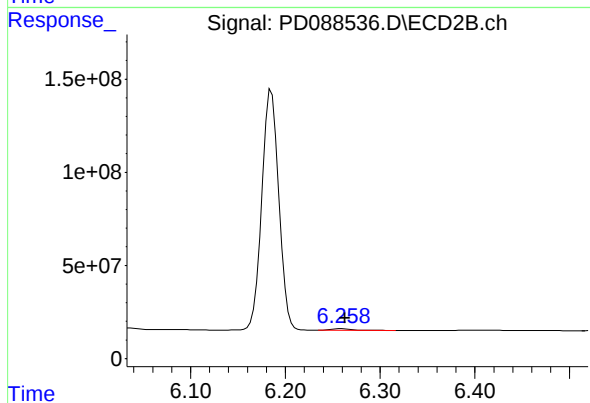
#17 4,4'-DDT

R.T.: 6.185 min  
Delta R.T.: -0.003 min  
Response: 1608485138  
Conc: 94.53 ng/ml



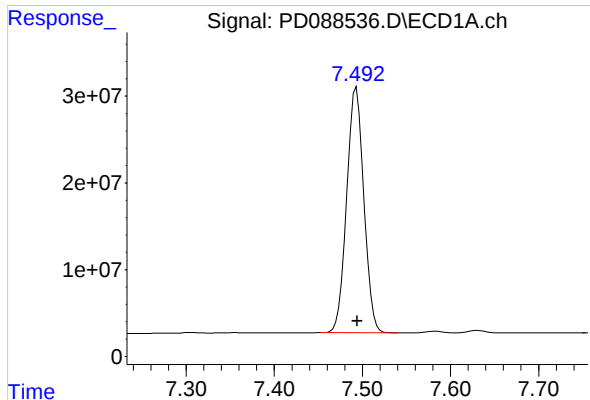
#18 Endrin aldehyde

R.T.: 6.916 min  
Delta R.T.: 0.000 min  
Response: 1780680  
Conc: 0.77 ng/ml m



#18 Endrin aldehyde

R.T.: 6.260 min  
Delta R.T.: -0.003 min  
Response: 12805372  
Conc: 0.96 ng/ml



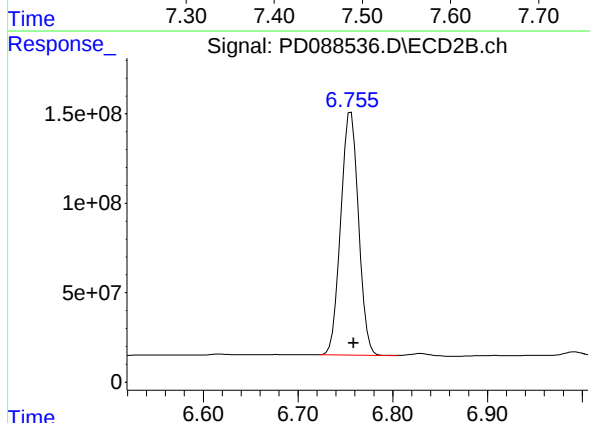
#20 Methoxychlor

R.T.: 7.493 min  
Delta R.T.: -0.001 min  
Response: 383609476  
Conc: 255.82 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

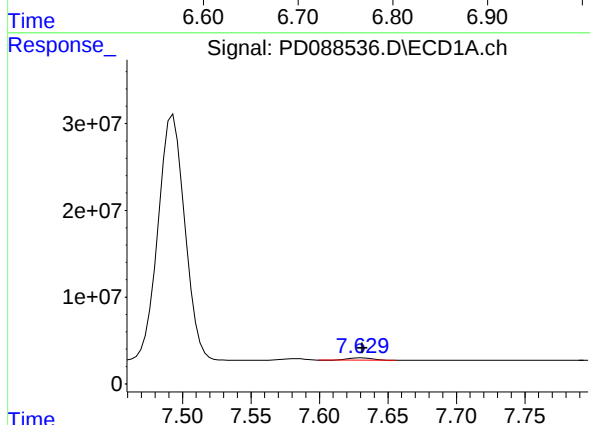
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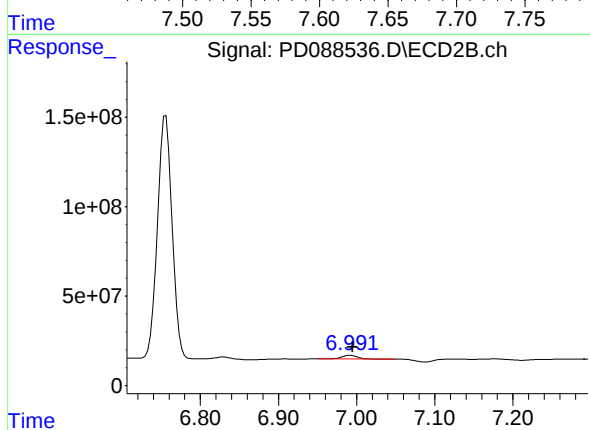
#20 Methoxychlor

R.T.: 6.756 min  
Delta R.T.: -0.003 min  
Response: 1770726355  
Conc: 194.14 ng/ml



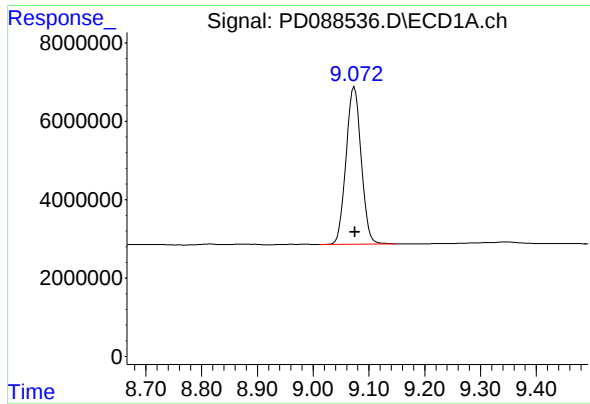
#21 Endrin ketone

R.T.: 7.631 min  
Delta R.T.: 0.000 min  
Response: 3153341  
Conc: 1.02 ng/ml



#21 Endrin ketone

R.T.: 6.992 min  
Delta R.T.: -0.003 min  
Response: 27177282  
Conc: 1.45 ng/ml



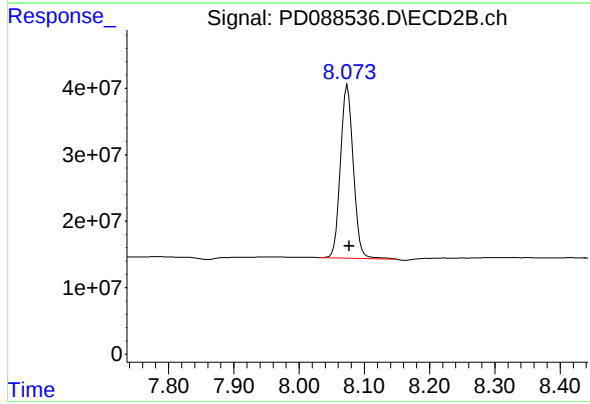
#28 Decachlorobiphenyl

R.T.: 9.074 min  
Delta R.T.: -0.001 min  
Response: 75566561  
Conc: 22.84 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

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#28 Decachlorobiphenyl

R.T.: 8.074 min  
Delta R.T.: -0.003 min  
Response: 356885540  
Conc: 19.31 ng/ml