

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL091425\  
 Data File : PL097184.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 12 Sep 2025 11:21  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/16/2025  
 Supervised By : mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 13 04:45:48 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL082025.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Sep 13 04:45:46 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 x0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.526 | 2.820 | 74696126 | 104.3E6  | 18.940  | 18.508  |
| 28)                         | SA Decachlor... | 9.003 | 7.983 | 59213953 | 89549181 | 20.000  | 18.672  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.973 | 3.325 | 54898779 | 73888231 | 9.475   | 8.998   |
| 3)                          | MA gamma-BHC... | 4.301 | 3.657 | 50876537 | 70080642 | 9.315   | 9.513   |
| 6)                          | B beta-BHC      | 4.489 | 3.953 | 23197189 | 32106478 | 10.143  | 9.842   |
| 14)                         | MA Endrin       | 6.533 | 5.700 | 169.8E6  | 261.3E6  | 45.342  | 44.229  |
| 16)                         | A 4,4'-DDD      | 6.666 | 5.847 | 28286946 | 39768592 | 8.963   | 7.615   |
| 17)                         | MA 4,4'-DDT     | 6.981 | 6.100 | 286.0E6  | 460.6E6  | 81.648  | 84.093  |
| 18)                         | B Endrin al...  | 6.875 | 6.171 | 3551756  | 9481737  | 1.365m  | 1.972 # |
| 20)                         | A Methoxychlor  | 7.454 | 6.672 | 351.2E6  | 543.5E6  | 202.362 | 181.182 |
| 21)                         | B Endrin ke...  | 7.588 | 6.897 | 12425916 | 31573143 | 3.495   | 5.044 # |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 12 Sep 2025 11:21  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

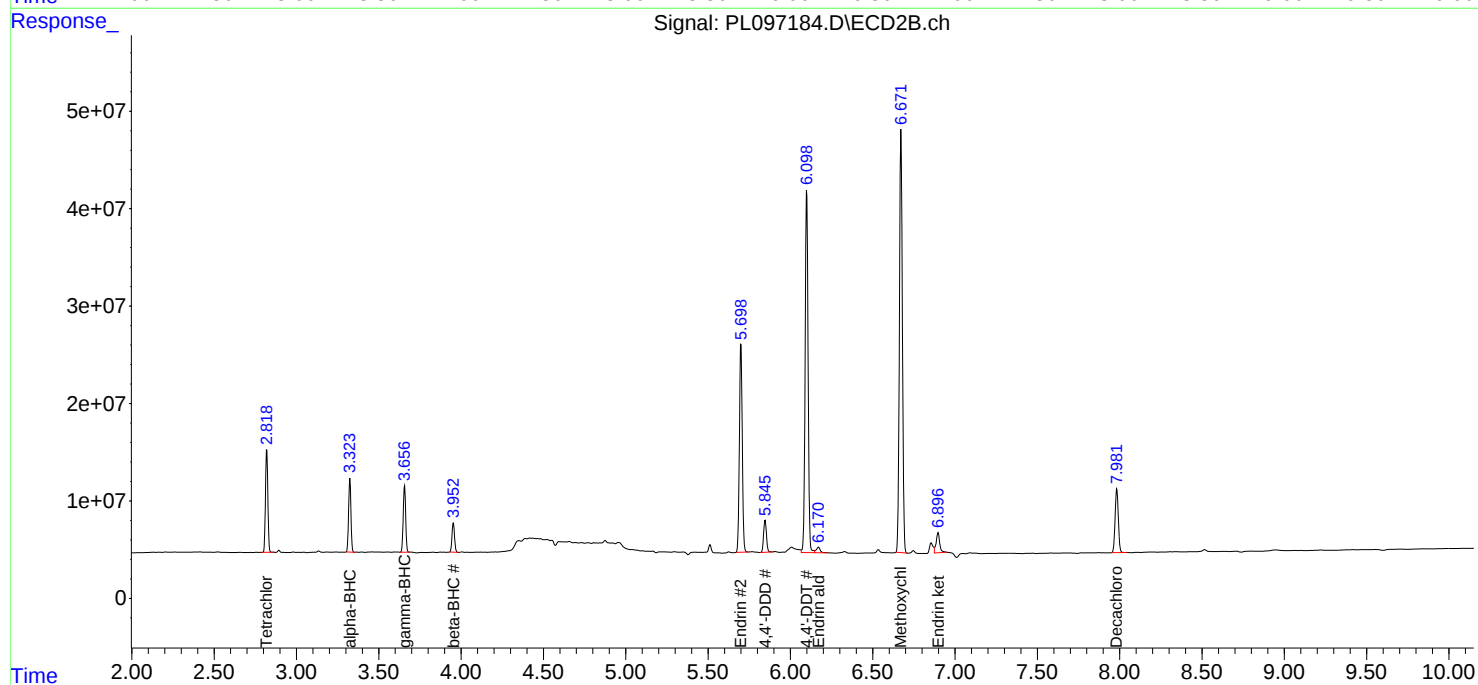
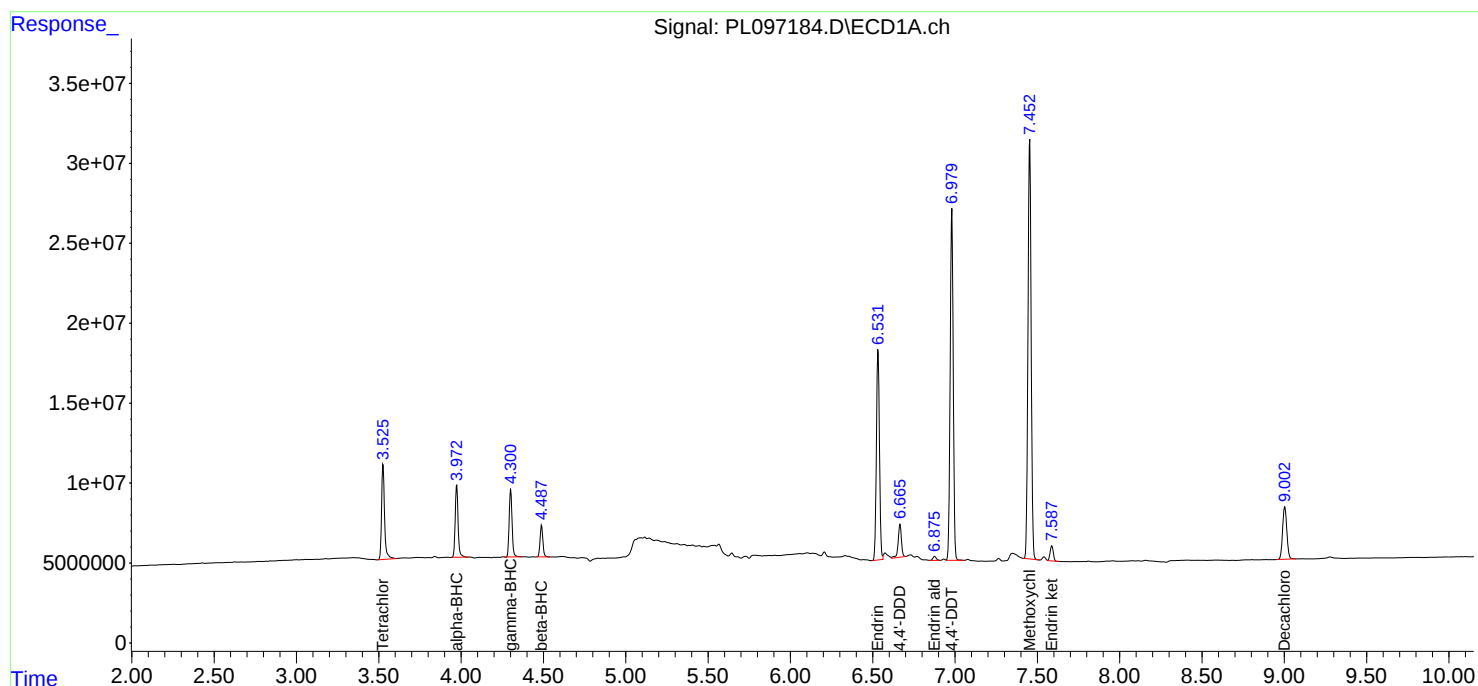
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

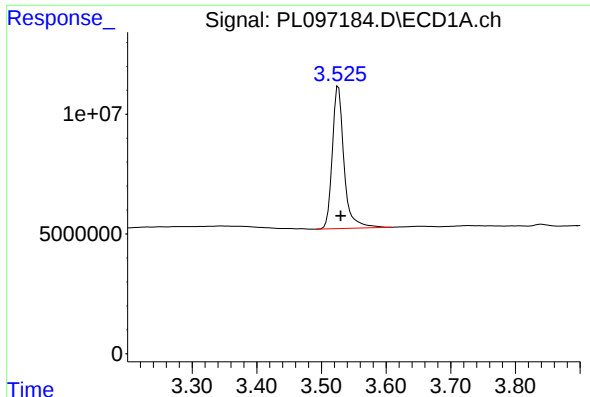
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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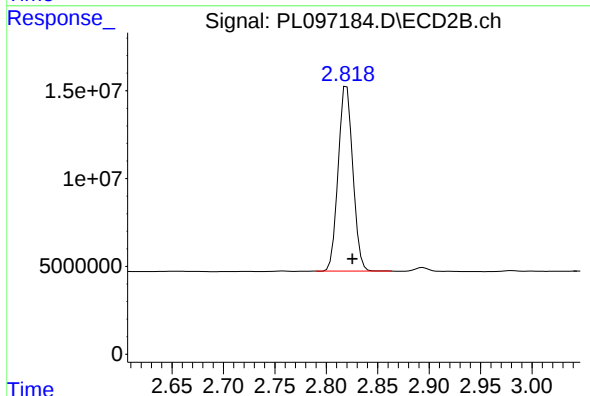
#1 Tetrachloro-m-xylene

R.T.: 3.526 min  
Delta R.T.: -0.004 min  
Response: 74696126  
Conc: 18.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

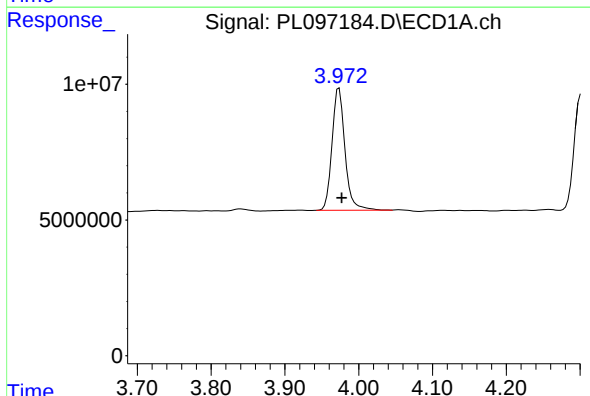
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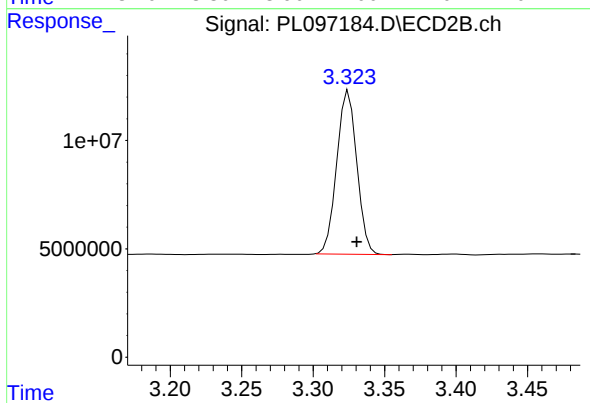
#1 Tetrachloro-m-xylene

R.T.: 2.820 min  
Delta R.T.: -0.005 min  
Response: 104324538  
Conc: 18.51 ng/ml



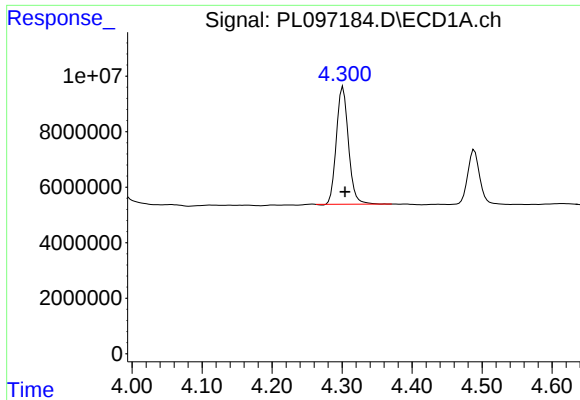
#2 alpha-BHC

R.T.: 3.973 min  
Delta R.T.: -0.004 min  
Response: 54898779  
Conc: 9.48 ng/ml



#2 alpha-BHC

R.T.: 3.325 min  
Delta R.T.: -0.006 min  
Response: 73888231  
Conc: 9.00 ng/ml



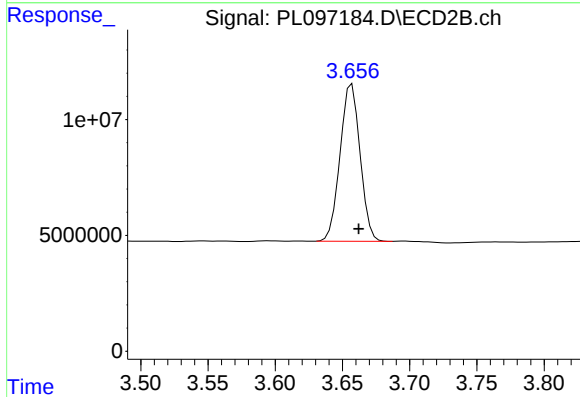
#3 gamma-BHC (Lindane)

R.T.: 4.301 min  
Delta R.T.: -0.003 min  
Response: 50876537  
Conc: 9.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

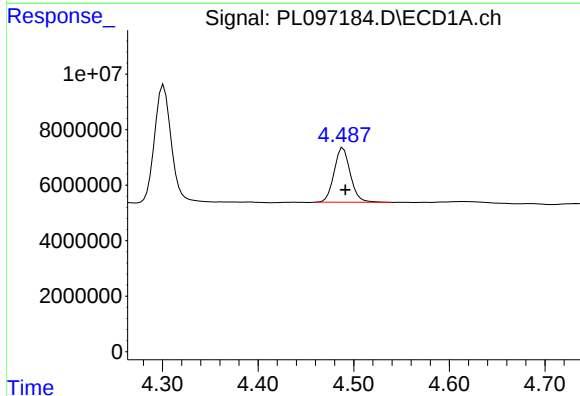
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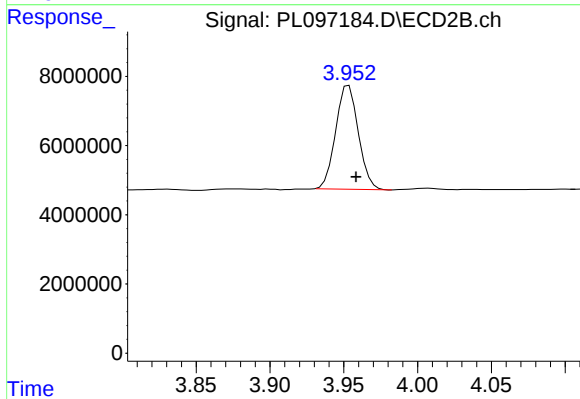
#3 gamma-BHC (Lindane)

R.T.: 3.657 min  
Delta R.T.: -0.005 min  
Response: 70080642  
Conc: 9.51 ng/ml



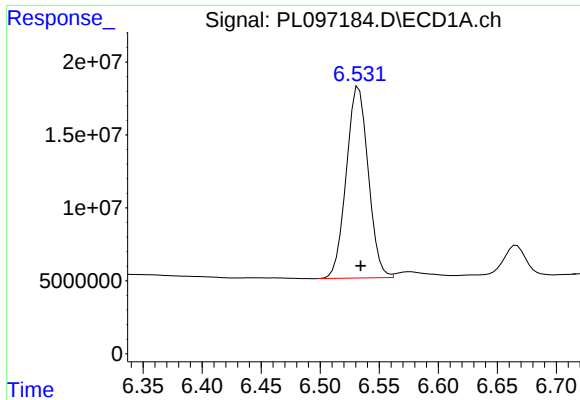
#6 beta-BHC

R.T.: 4.489 min  
Delta R.T.: -0.002 min  
Response: 23197189  
Conc: 10.14 ng/ml



#6 beta-BHC

R.T.: 3.953 min  
Delta R.T.: -0.005 min  
Response: 32106478  
Conc: 9.84 ng/ml



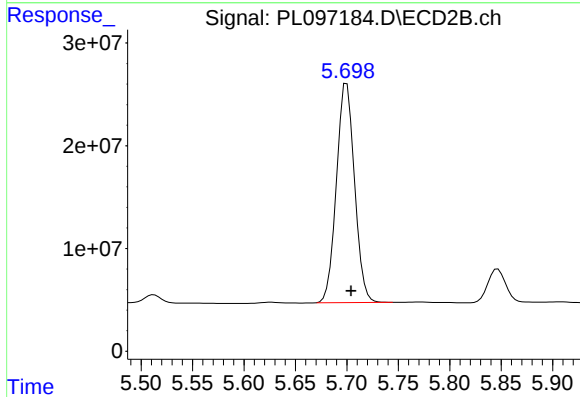
#14 Endrin

R.T.: 6.533 min  
Delta R.T.: -0.002 min  
Response: 169801928  
Conc: 45.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

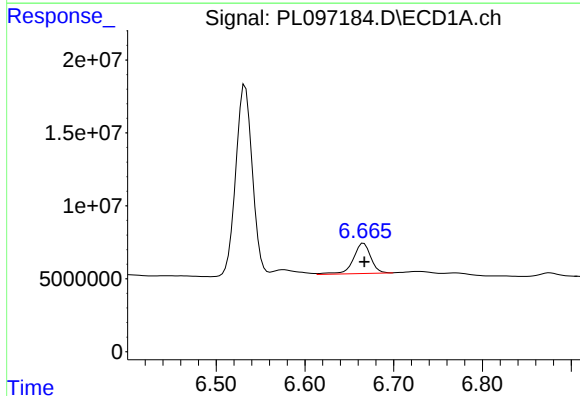
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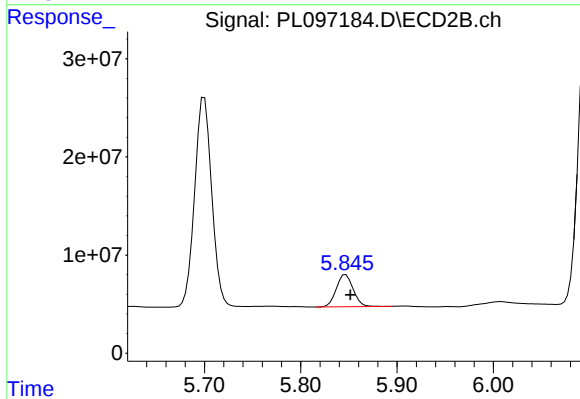
#14 Endrin

R.T.: 5.700 min  
Delta R.T.: -0.004 min  
Response: 261269128  
Conc: 44.23 ng/ml



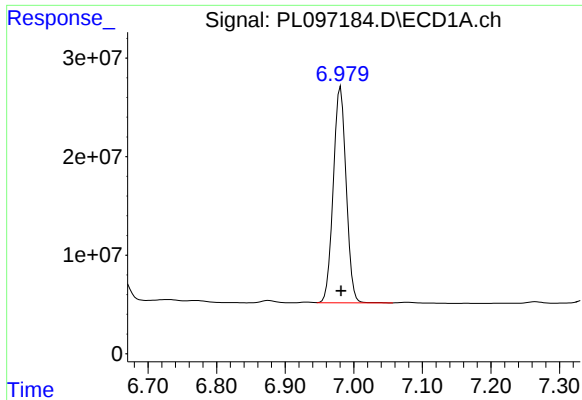
#16 4,4'-DDD

R.T.: 6.666 min  
Delta R.T.: 0.000 min  
Response: 28286946  
Conc: 8.96 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min  
Delta R.T.: -0.005 min  
Response: 39768592  
Conc: 7.62 ng/ml



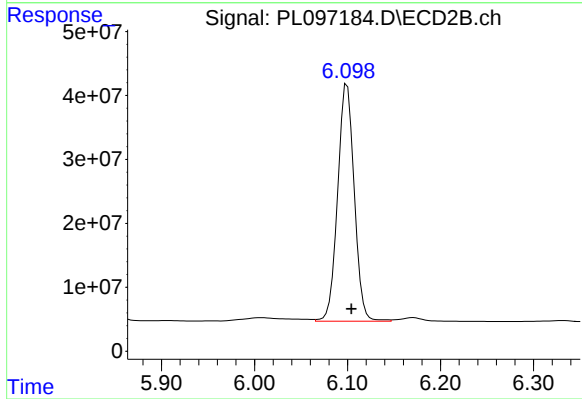
#17 4,4'-DDT

R.T.: 6.981 min  
Delta R.T.: 0.000 min  
Response: 285966924  
Conc: 81.65 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

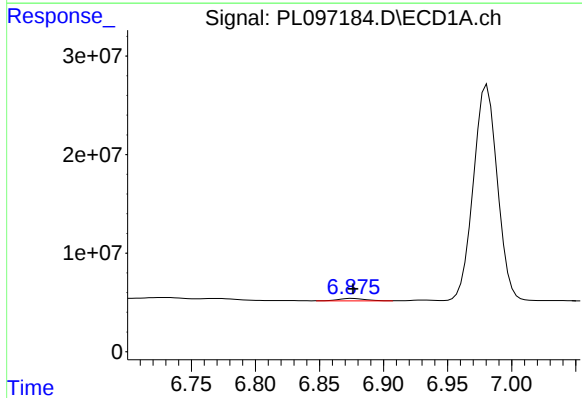
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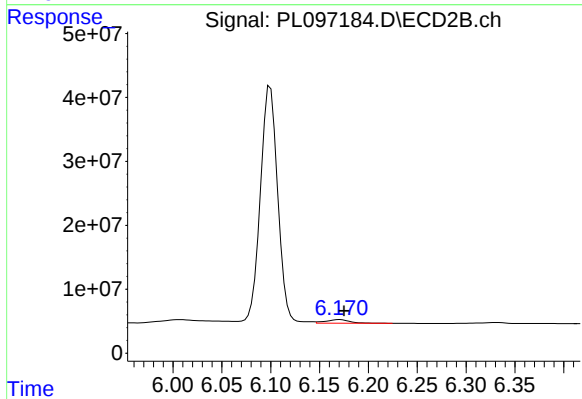
#17 4,4'-DDT

R.T.: 6.100 min  
Delta R.T.: -0.005 min  
Response: 460596415  
Conc: 84.09 ng/ml



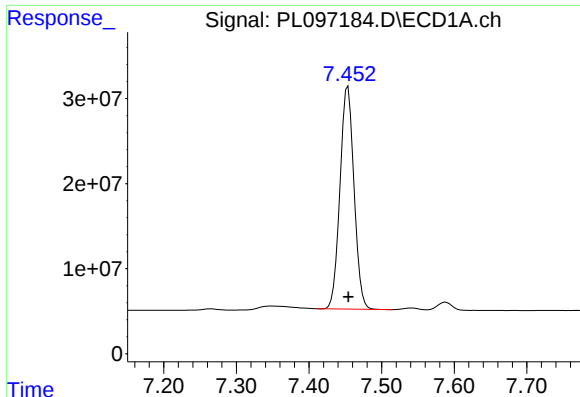
#18 Endrin aldehyde

R.T.: 6.875 min  
Delta R.T.: -0.002 min  
Response: 3551756  
Conc: 1.37 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min  
Delta R.T.: -0.004 min  
Response: 9481737  
Conc: 1.97 ng/ml



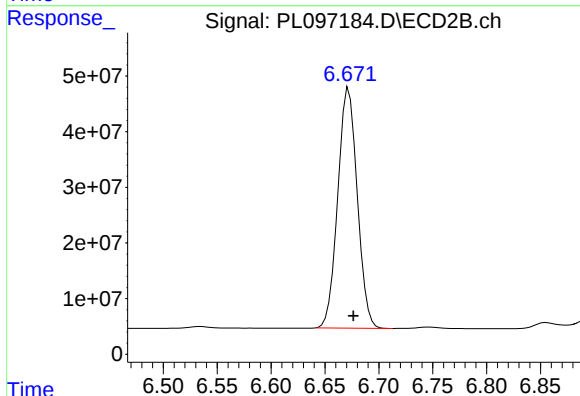
#20 Methoxychlor

R.T.: 7.454 min  
Delta R.T.: 0.000 min  
Response: 351198621  
Conc: 202.36 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

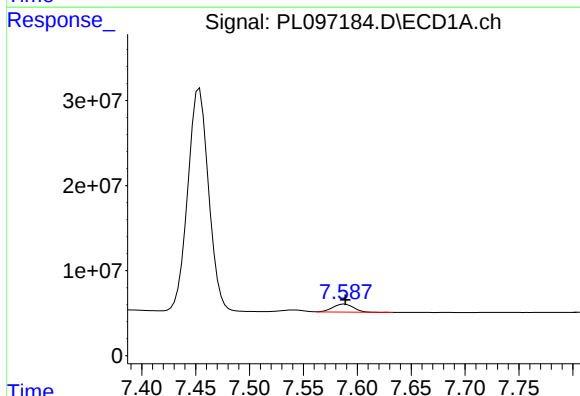
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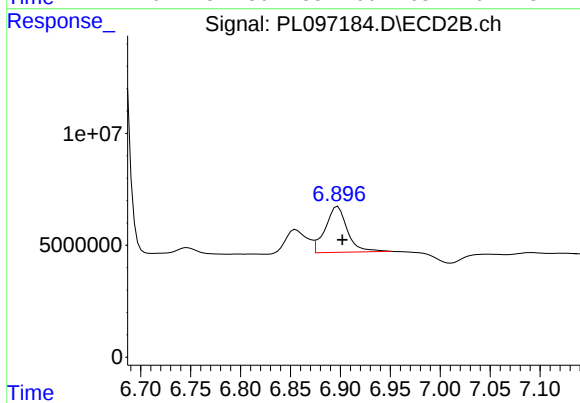
#20 Methoxychlor

R.T.: 6.672 min  
Delta R.T.: -0.004 min  
Response: 543504970  
Conc: 181.18 ng/ml



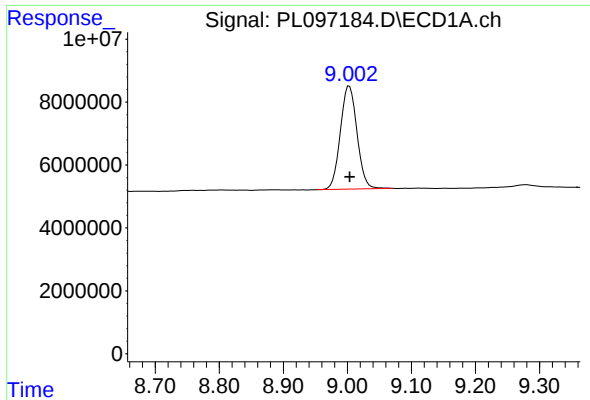
#21 Endrin ketone

R.T.: 7.588 min  
Delta R.T.: 0.000 min  
Response: 12425916  
Conc: 3.50 ng/ml



#21 Endrin ketone

R.T.: 6.897 min  
Delta R.T.: -0.005 min  
Response: 31573143  
Conc: 5.04 ng/ml



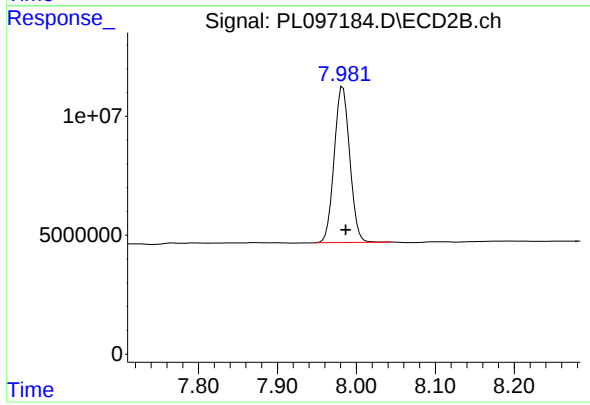
#28 Decachlorobiphenyl

R.T.: 9.003 min  
Delta R.T.: 0.000 min  
Response: 59213953  
Conc: 20.00 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

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#28 Decachlorobiphenyl

R.T.: 7.983 min  
Delta R.T.: -0.004 min  
Response: 89549181  
Conc: 18.67 ng/ml