

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL040325\  
 Data File : PL095028.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 03 Apr 2025 10:44  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 04/04/2025  
 Supervised By :mohammad ahmed 04/05/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 04 02:34:00 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031125.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 11 17:42:21 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...          | 3.537 | 2.770 | 59701278 | 76652115 | 21.091  | 21.476  |
| 28) SA Decachlor...         | 9.052 | 7.902 | 50046086 | 84325124 | 23.747  | 20.876  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 3.993 | 3.272 | 45504082 | 55574217 | 10.959  | 10.308  |
| 3) MA gamma-BHC...          | 4.326 | 3.602 | 44134117 | 52997664 | 11.060  | 10.312  |
| 6) B beta-BHC               | 4.525 | 3.902 | 20506707 | 25590781 | 11.113  | 11.521  |
| 14) MA Endrin               | 6.573 | 5.630 | 126.0E6  | 216.3E6  | 45.460  | 49.571  |
| 16) A 4,4'-DDD              | 6.707 | 5.776 | 2938328  | 4214674  | 1.357m  | 1.172m  |
| 17) MA 4,4'-DDT             | 7.023 | 6.028 | 244.9E6  | 458.0E6  | 102.942 | 113.596 |
| 18) B Endrin al...          | 6.921 | 6.104 | 3920722  | 7286181  | 1.857m  | 2.165   |
| 20) A Methoxychlor          | 7.499 | 6.602 | 299.3E6  | 555.0E6  | 250.019 | 261.652 |
| 21) B Endrin ke...          | 7.643 | 6.830 | 7535563  | 13422857 | 2.851   | 2.812m  |
| -----                       |       |       |          |          |         |         |

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

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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
Acq On : 03 Apr 2025 10:44  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

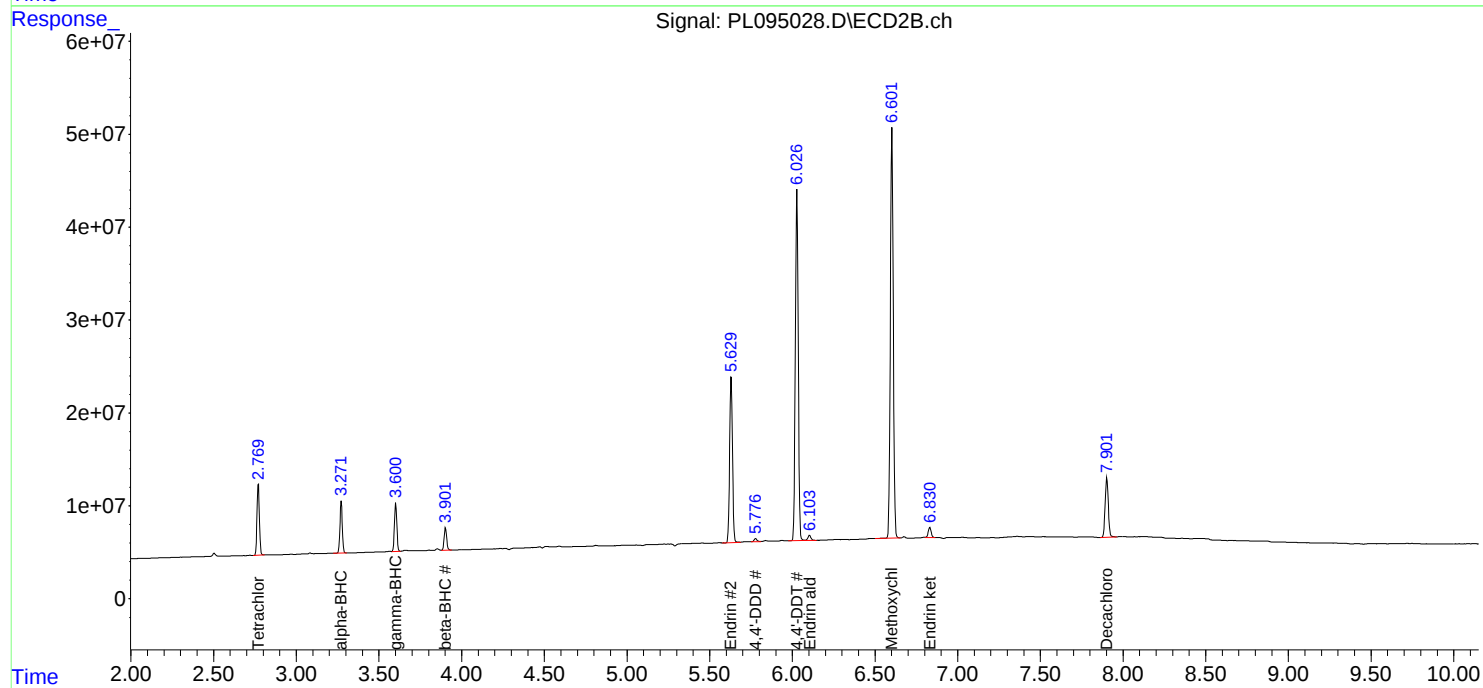
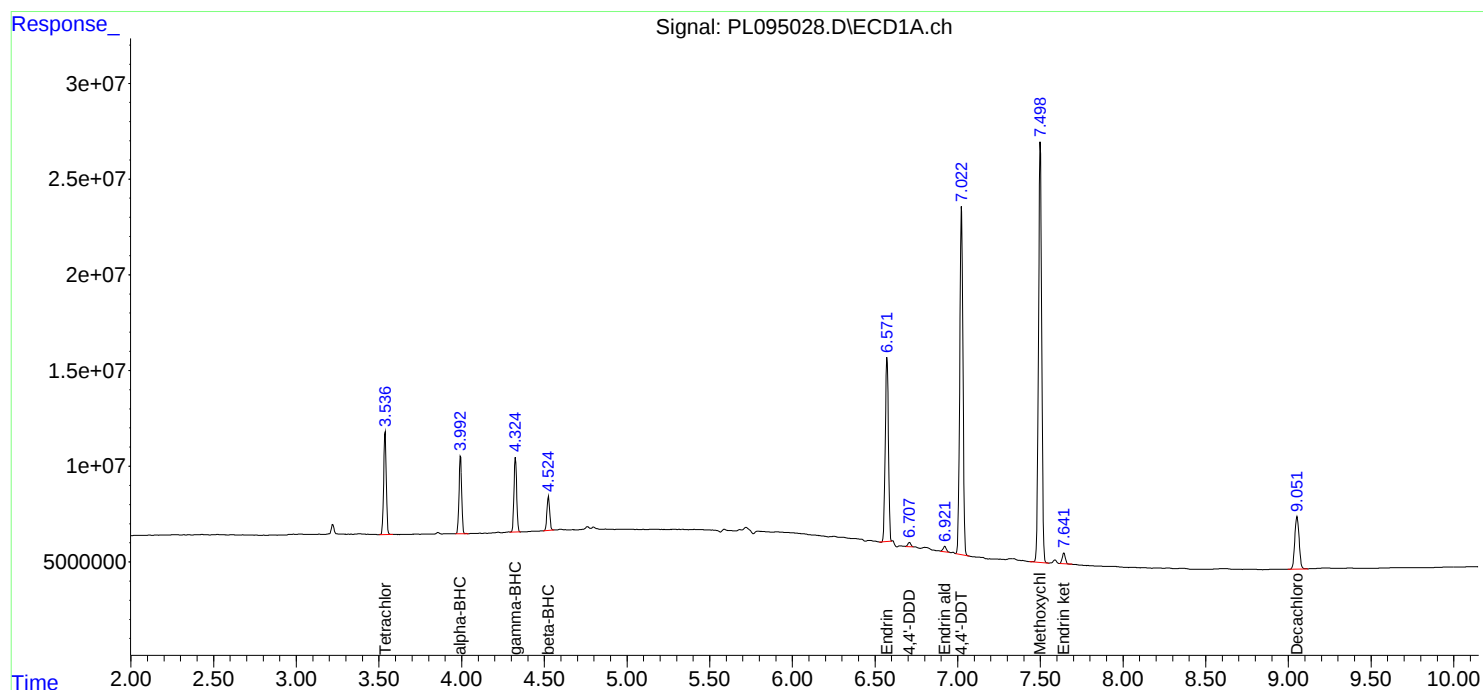
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

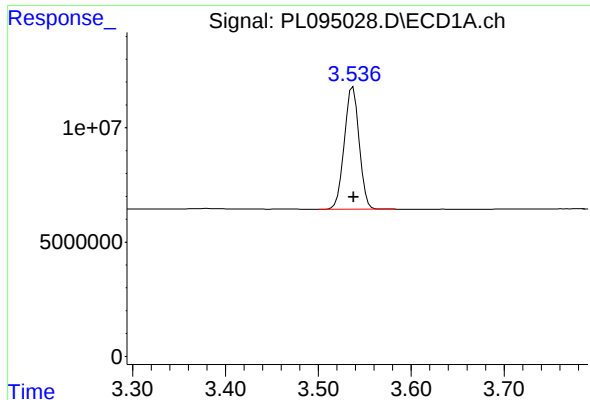
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 04 02:34:00 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL031125.M  
Quant Title : GC Extractables  
QLast Update : Tue Mar 11 17:42:21 2025  
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





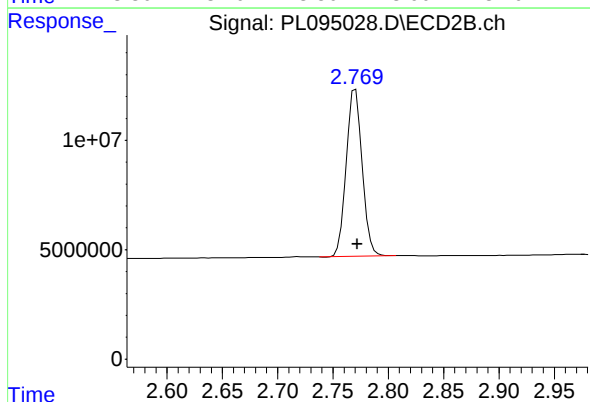
#1 Tetrachloro-m-xylene

R.T.: 3.537 min  
Delta R.T.: 0.000 min  
Response: 59701278  
Conc: 21.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

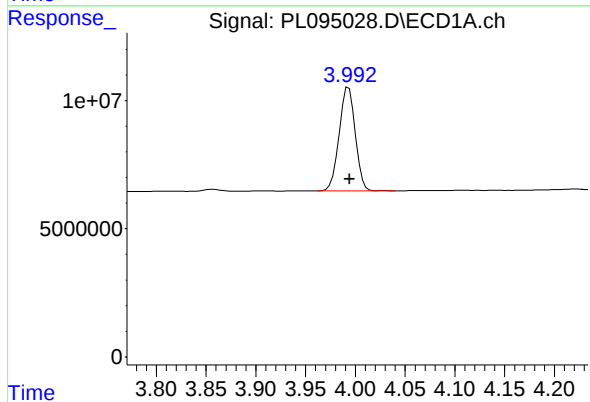
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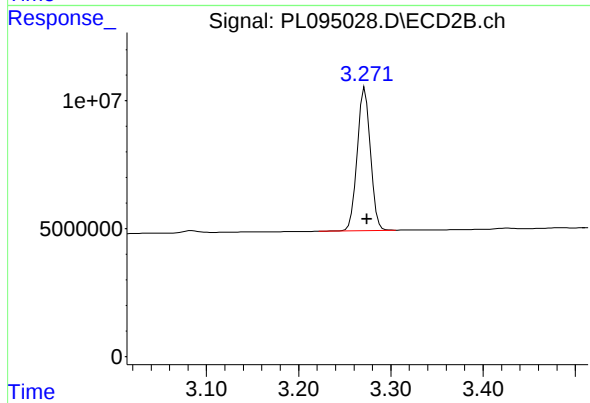
#1 Tetrachloro-m-xylene

R.T.: 2.770 min  
Delta R.T.: -0.002 min  
Response: 76652115  
Conc: 21.48 ng/ml



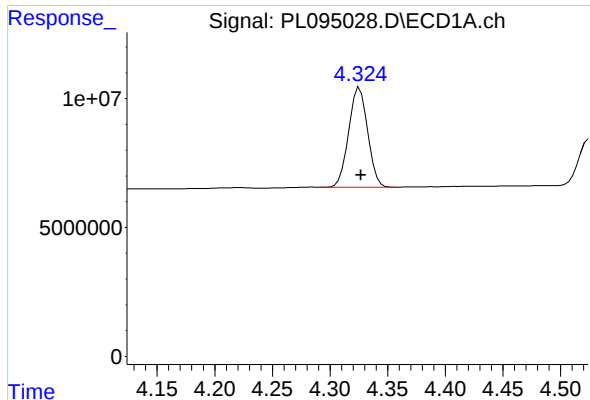
#2 alpha-BHC

R.T.: 3.993 min  
Delta R.T.: 0.000 min  
Response: 45504082  
Conc: 10.96 ng/ml



#2 alpha-BHC

R.T.: 3.272 min  
Delta R.T.: -0.002 min  
Response: 55574217  
Conc: 10.31 ng/ml



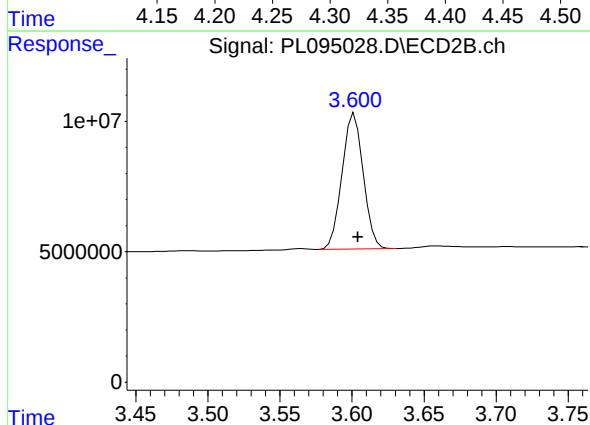
#3 gamma-BHC (Lindane)

R.T.: 4.326 min  
Delta R.T.: -0.001 min  
Response: 44134117  
Conc: 11.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

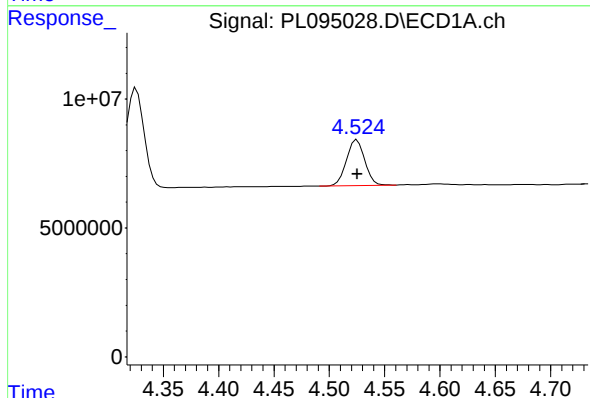
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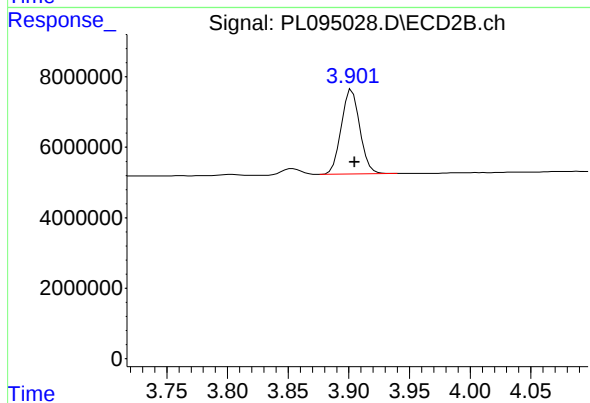
#3 gamma-BHC (Lindane)

R.T.: 3.602 min  
Delta R.T.: -0.003 min  
Response: 52997664  
Conc: 10.31 ng/ml



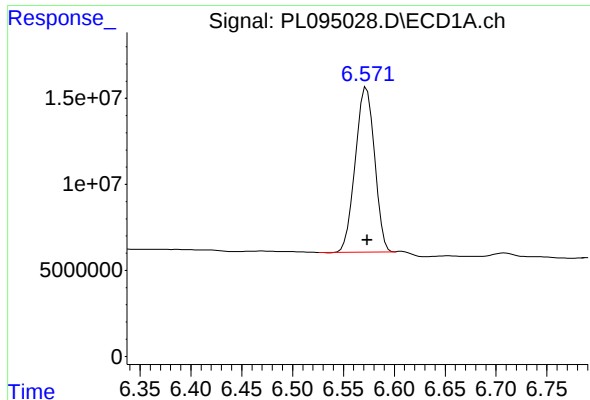
#6 beta-BHC

R.T.: 4.525 min  
Delta R.T.: 0.000 min  
Response: 20506707  
Conc: 11.11 ng/ml



#6 beta-BHC

R.T.: 3.902 min  
Delta R.T.: -0.002 min  
Response: 25590781  
Conc: 11.52 ng/ml



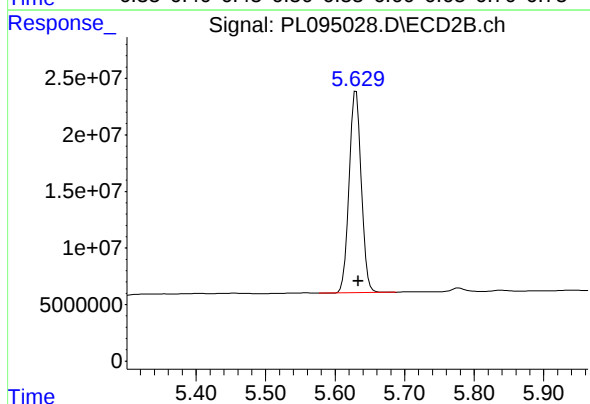
#14 Endrin

R.T.: 6.573 min  
Delta R.T.: 0.000 min  
Response: 126019678  
Conc: 45.46 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

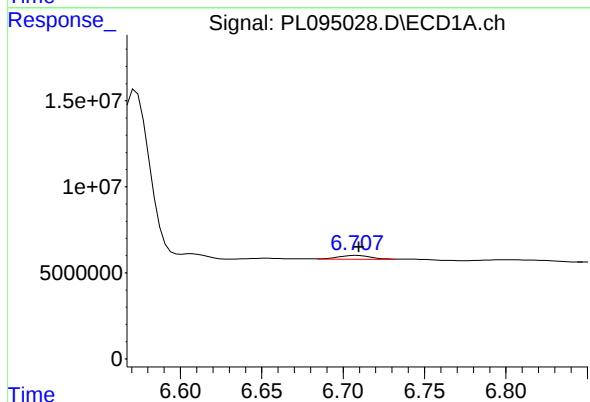
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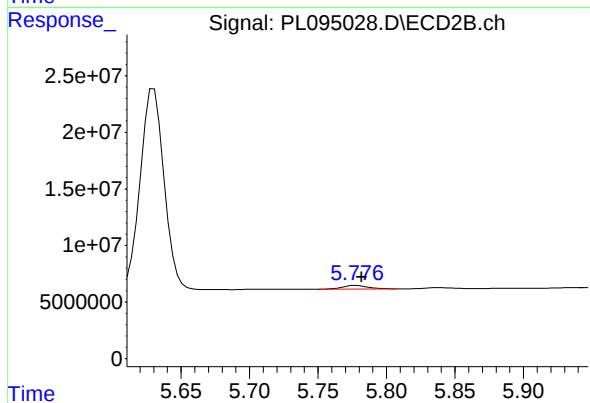
#14 Endrin

R.T.: 5.630 min  
Delta R.T.: -0.003 min  
Response: 216311491  
Conc: 49.57 ng/ml



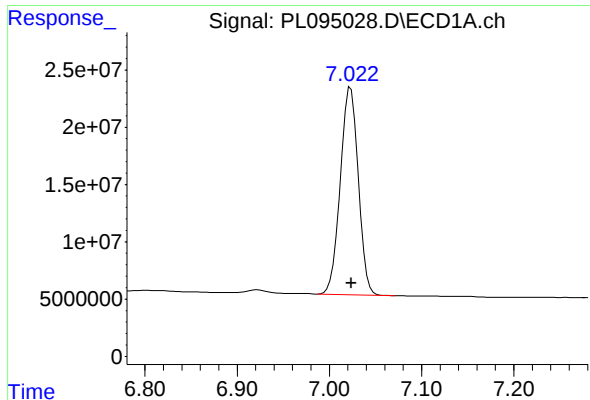
#16 4,4'-DDD

R.T.: 6.707 min  
Delta R.T.: -0.003 min  
Response: 2938328  
Conc: 1.36 ng/ml m



#16 4,4'-DDD

R.T.: 5.776 min  
Delta R.T.: -0.005 min  
Response: 4214674  
Conc: 1.17 ng/ml m



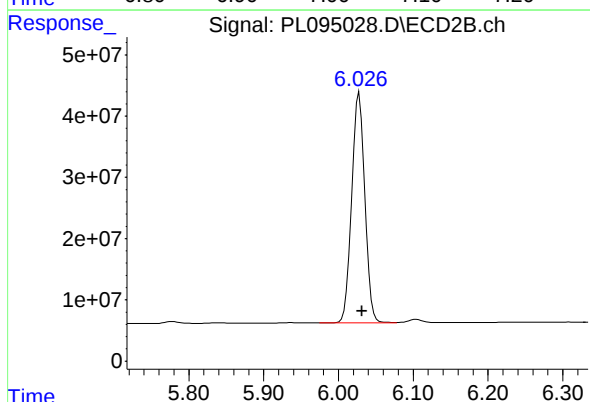
#17 4,4'-DDT

R.T.: 7.023 min  
Delta R.T.: 0.000 min  
Response: 244850546  
Conc: 102.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

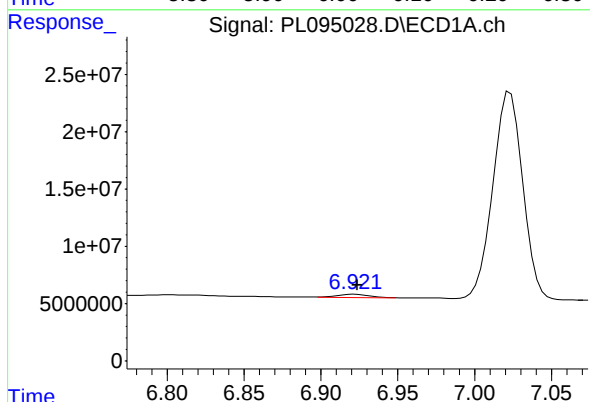
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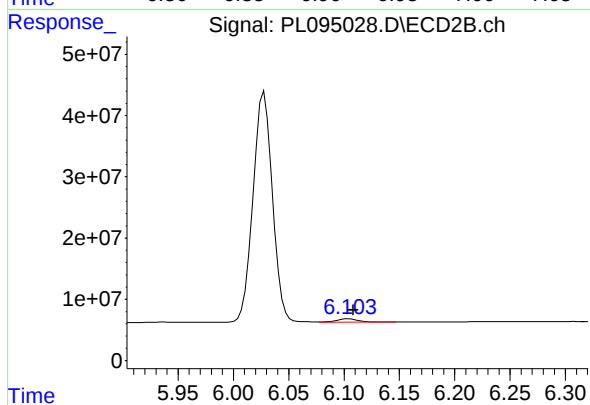
#17 4,4'-DDT

R.T.: 6.028 min  
Delta R.T.: -0.004 min  
Response: 458031415  
Conc: 113.60 ng/ml



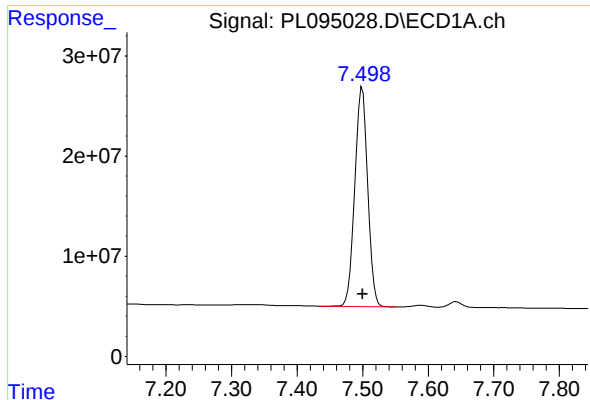
#18 Endrin aldehyde

R.T.: 6.921 min  
Delta R.T.: -0.003 min  
Response: 3920722  
Conc: 1.86 ng/ml m



#18 Endrin aldehyde

R.T.: 6.104 min  
Delta R.T.: -0.004 min  
Response: 7286181  
Conc: 2.17 ng/ml



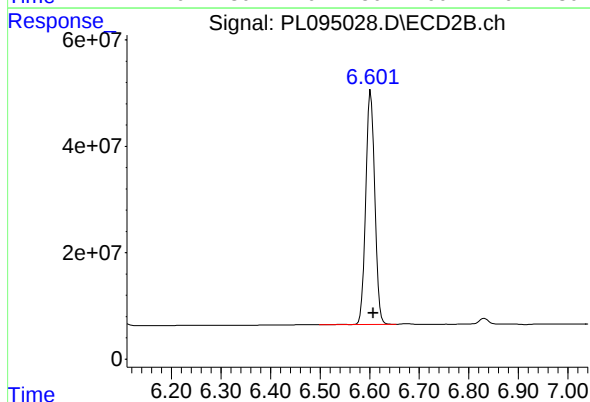
#20 Methoxychlor

R.T.: 7.499 min  
Delta R.T.: 0.000 min  
Response: 299290746  
Conc: 250.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

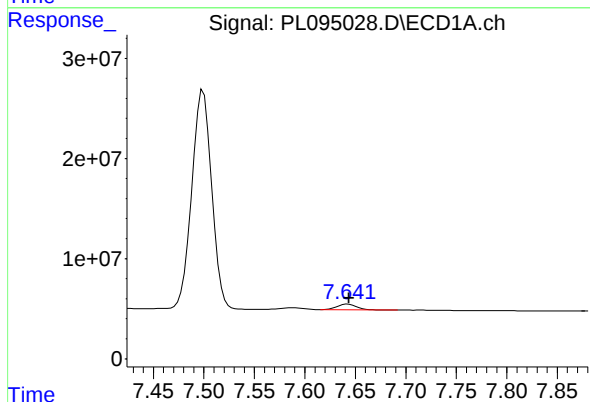
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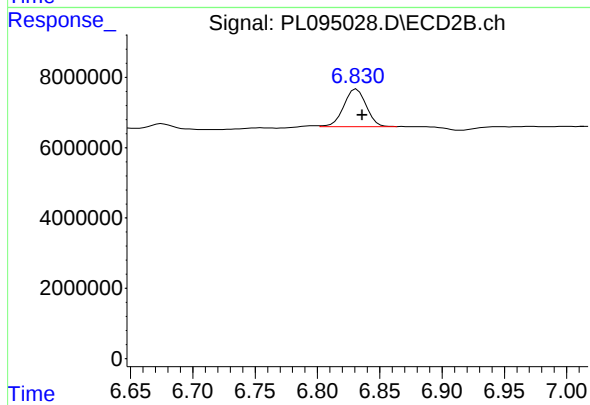
#20 Methoxychlor

R.T.: 6.602 min  
Delta R.T.: -0.005 min  
Response: 554981393  
Conc: 261.65 ng/ml



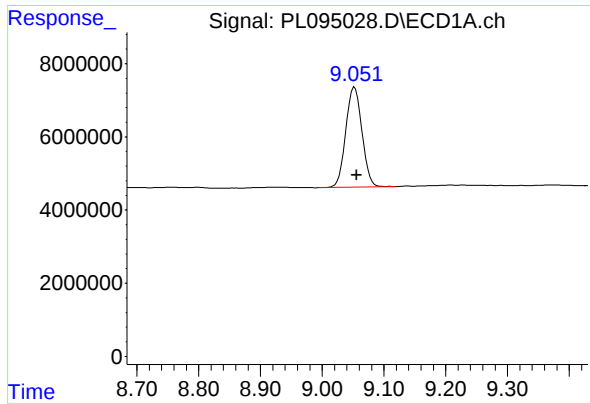
#21 Endrin ketone

R.T.: 7.643 min  
Delta R.T.: 0.000 min  
Response: 7535563  
Conc: 2.85 ng/ml



#21 Endrin ketone

R.T.: 6.830 min  
Delta R.T.: -0.006 min  
Response: 13422857  
Conc: 2.81 ng/ml m



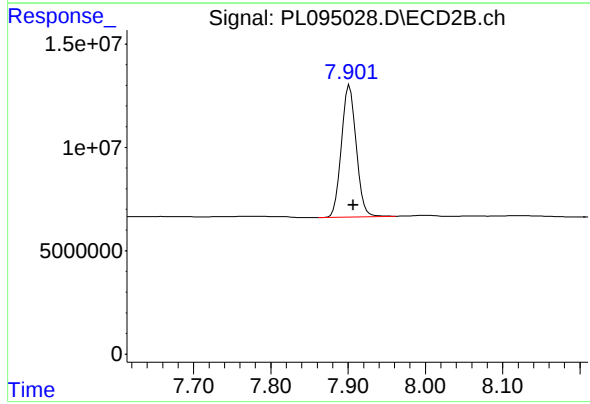
#28 Decachlorobiphenyl

R.T.: 9.052 min  
Delta R.T.: -0.003 min  
Response: 50046086  
Conc: 23.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

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#28 Decachlorobiphenyl

R.T.: 7.902 min  
Delta R.T.: -0.005 min  
Response: 84325124  
Conc: 20.88 ng/ml