

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080525\  
 Data File : PL096702.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 05 Aug 2025 11:25  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/06/2025  
 Supervised By : mohammad ahmed 08/07/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 06 01:52:13 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL072825.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Jul 29 08:58:13 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... | 3.532 | 2.823 | 69737803 | 116.9E6  | 21.925  | 24.461  |
| 28)                         | SA Decachlor... | 9.013 | 7.989 | 54193797 | 105.8E6  | 22.726  | 24.381  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.980 | 3.329 | 50613197 | 83718687 | 10.940  | 11.830  |
| 3)                          | MA gamma-BHC... | 4.308 | 3.661 | 48296233 | 79408235 | 10.918  | 12.025  |
| 6)                          | B beta-BHC      | 4.493 | 3.958 | 21121681 | 35919214 | 11.702m | 12.733  |
| 14)                         | MA Endrin       | 6.540 | 5.706 | 175.7E6  | 341.6E6  | 58.033  | 63.195  |
| 16)                         | A 4,4'-DDD      | 6.670 | 5.854 | 675428   | 1515727  | 0.267m  | 0.322m  |
| 17)                         | MA 4,4'-DDT     | 6.988 | 6.107 | 332.1E6  | 656.8E6  | 115.817 | 129.839 |
| 20)                         | A Methoxychlor  | 7.461 | 6.679 | 409.6E6  | 772.0E6  | 278.952 | 281.684 |
| 21)                         | B Endrin ke...  | 7.595 | 6.902 | 2240899  | 1614378  | 0.745m  | 0.290m# |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 05 Aug 2025 11:25  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

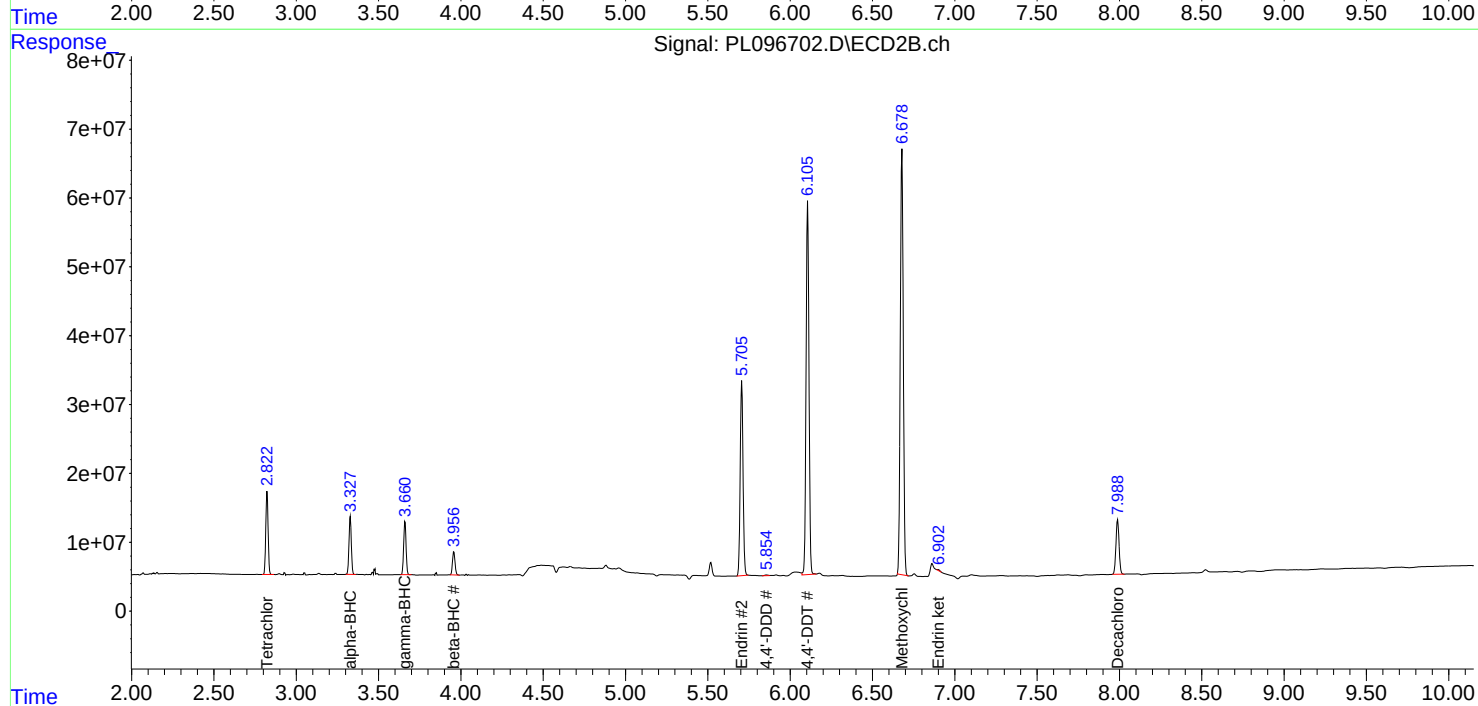
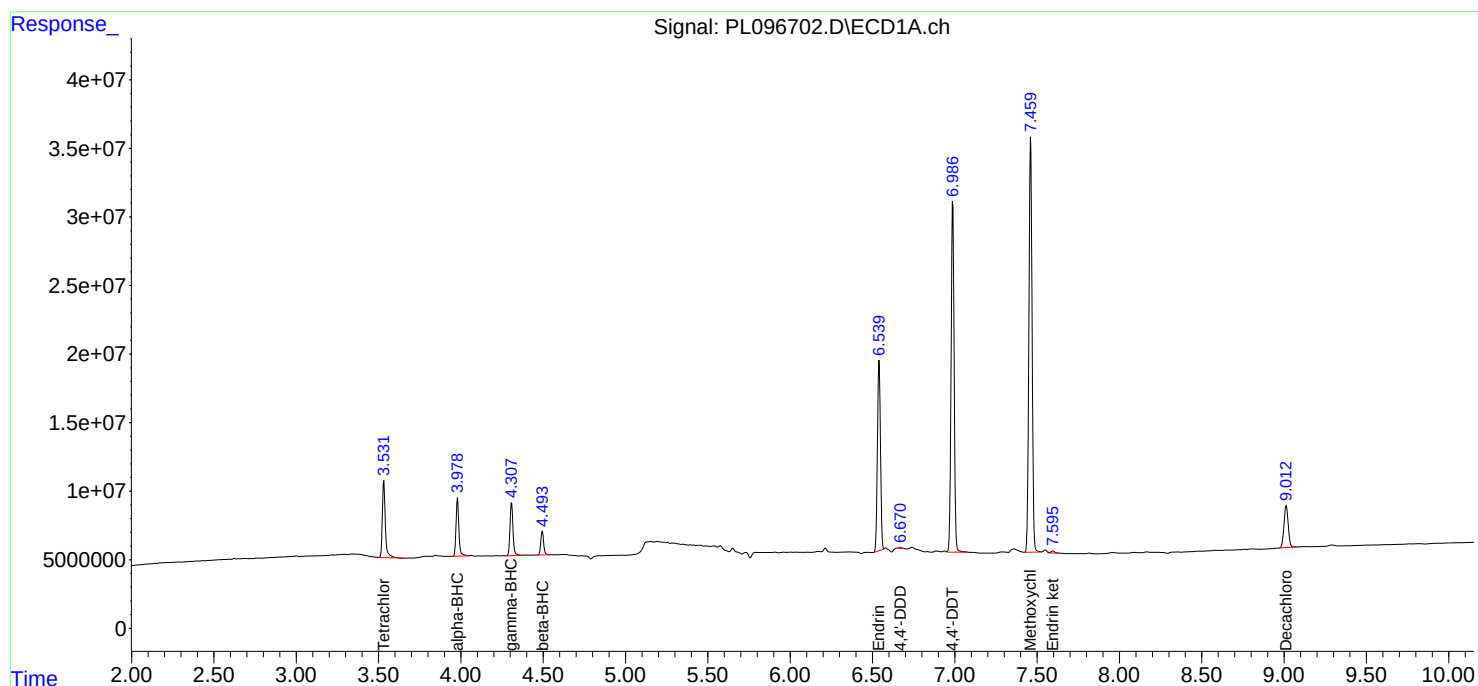
Instrument :  
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PEM

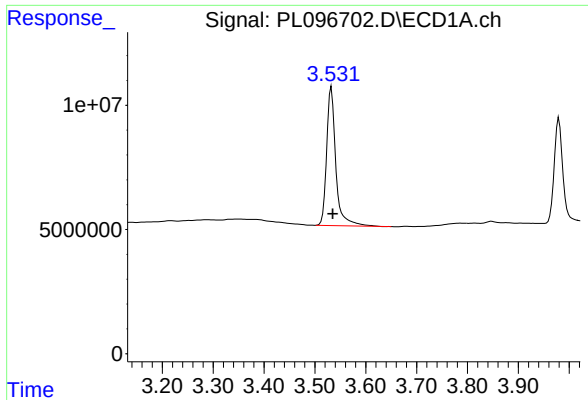
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Integration File signal 1: autoint1.e  
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL072825.M  
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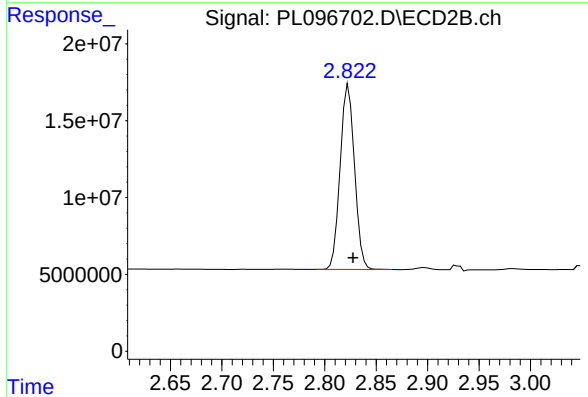
#1 Tetrachloro-m-xylene

R.T.: 3.532 min  
Delta R.T.: -0.003 min  
Response: 69737803  
Conc: 21.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

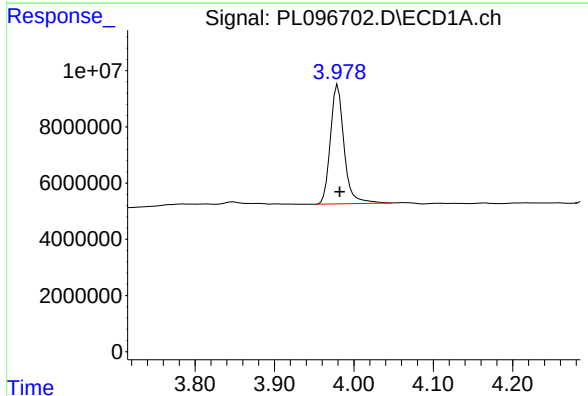
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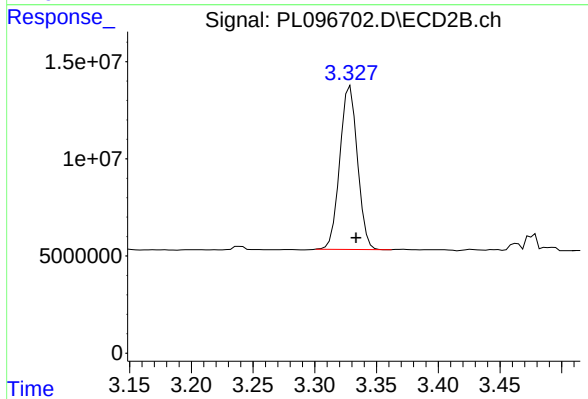
#1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: -0.005 min  
Response: 116868733  
Conc: 24.46 ng/ml



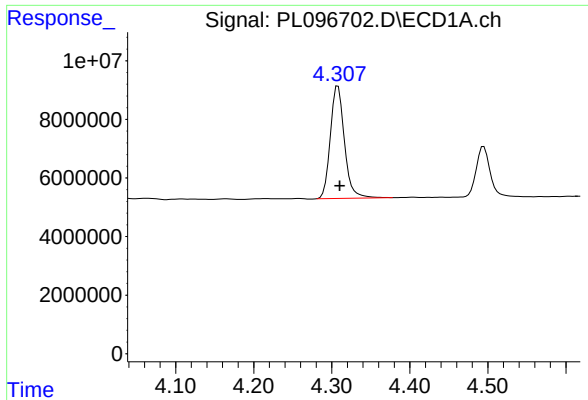
#2 alpha-BHC

R.T.: 3.980 min  
Delta R.T.: -0.002 min  
Response: 50613197  
Conc: 10.94 ng/ml



#2 alpha-BHC

R.T.: 3.329 min  
Delta R.T.: -0.005 min  
Response: 83718687  
Conc: 11.83 ng/ml



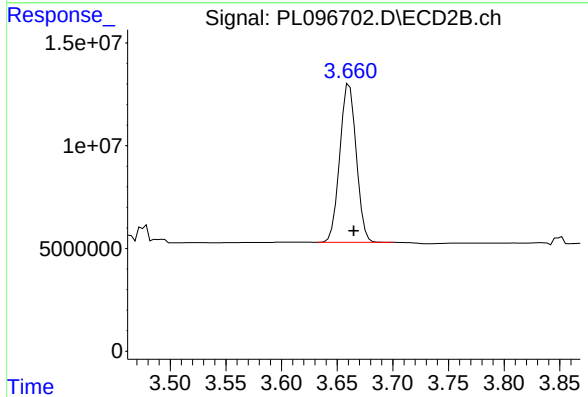
#3 gamma-BHC (Lindane)

R.T.: 4.308 min  
Delta R.T.: -0.002 min  
Response: 48296233  
Conc: 10.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

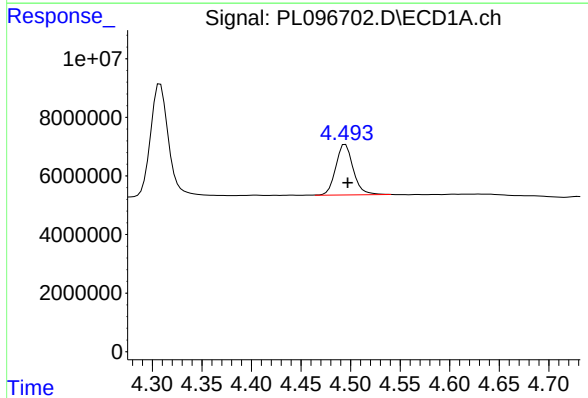
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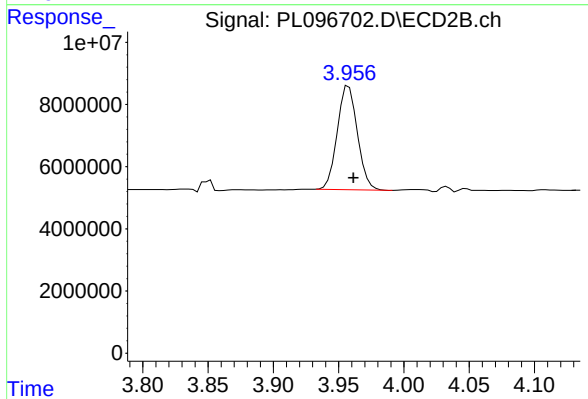
#3 gamma-BHC (Lindane)

R.T.: 3.661 min  
Delta R.T.: -0.004 min  
Response: 79408235  
Conc: 12.03 ng/ml



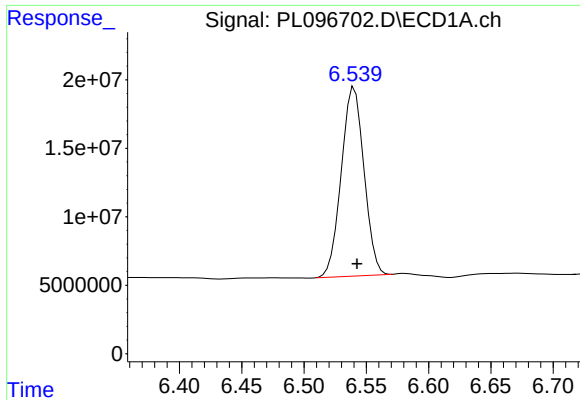
#6 beta-BHC

R.T.: 4.493 min  
Delta R.T.: -0.004 min  
Response: 21121681  
Conc: 11.70 ng/ml m



#6 beta-BHC

R.T.: 3.958 min  
Delta R.T.: -0.003 min  
Response: 35919214  
Conc: 12.73 ng/ml



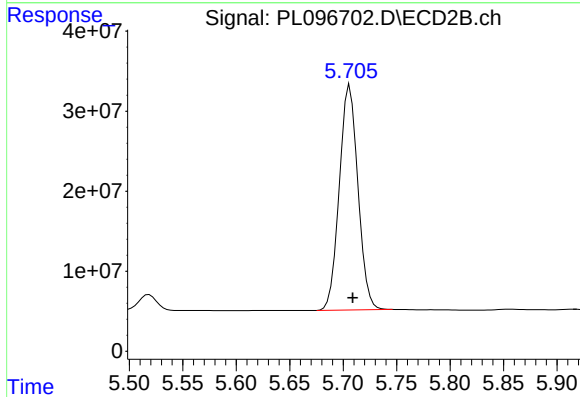
#14 Endrin

R.T.: 6.540 min  
Delta R.T.: -0.002 min  
Response: 175653623  
Conc: 58.03 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

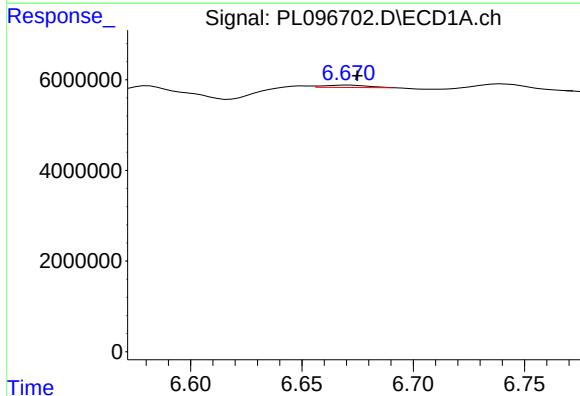
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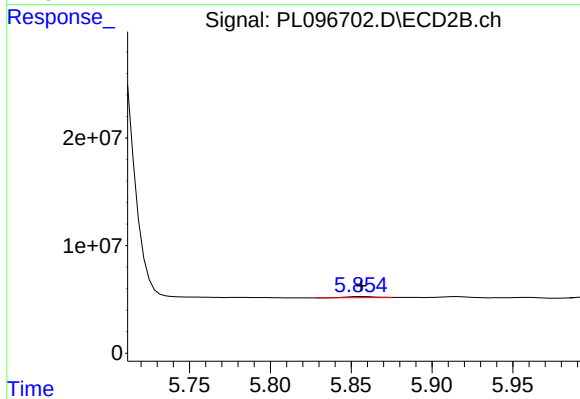
#14 Endrin

R.T.: 5.706 min  
Delta R.T.: -0.003 min  
Response: 341632221  
Conc: 63.20 ng/ml



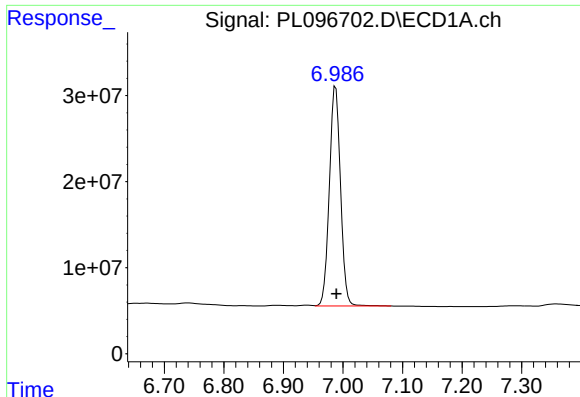
#16 4,4'-DDD

R.T.: 6.670 min  
Delta R.T.: -0.005 min  
Response: 675428  
Conc: 0.27 ng/ml m



#16 4,4'-DDD

R.T.: 5.854 min  
Delta R.T.: -0.002 min  
Response: 1515727  
Conc: 0.32 ng/ml m



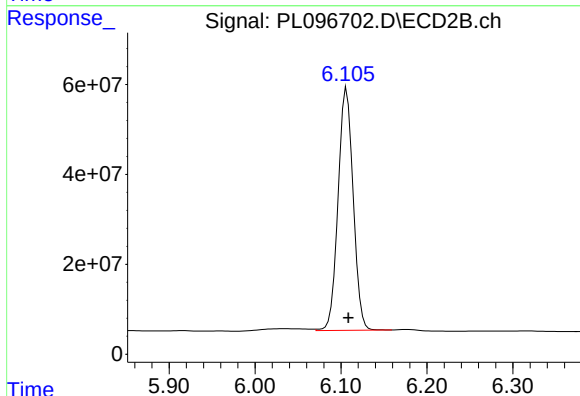
#17 4,4'-DDT

R.T.: 6.988 min  
Delta R.T.: -0.001 min  
Response: 332127586  
Conc: 115.82 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

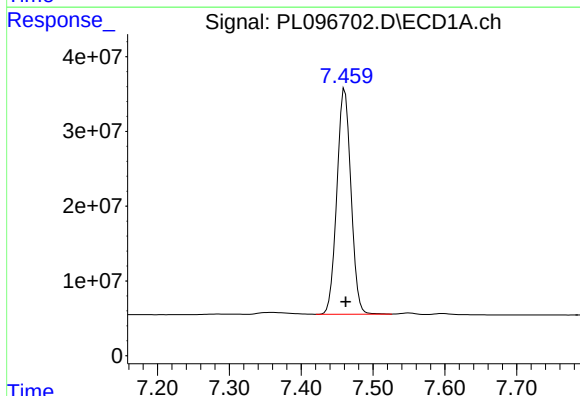
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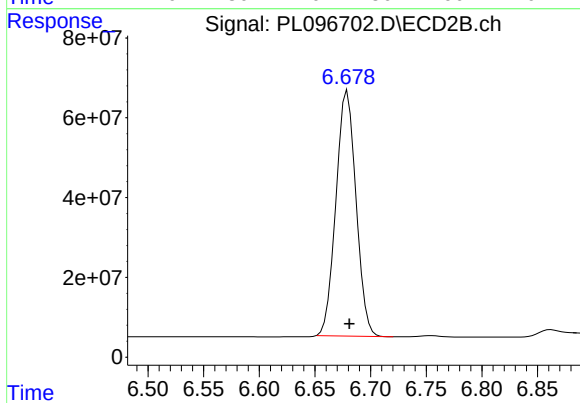
#17 4,4'-DDT

R.T.: 6.107 min  
Delta R.T.: -0.002 min  
Response: 656764893  
Conc: 129.84 ng/ml



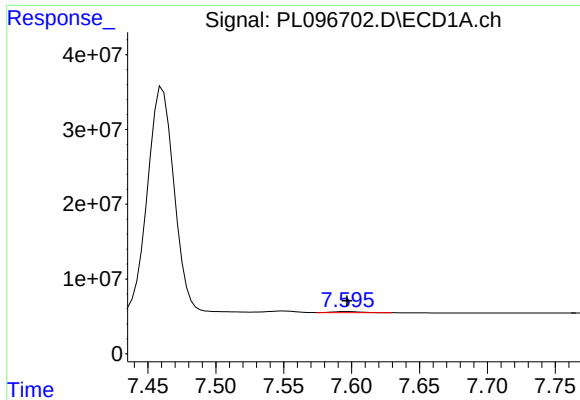
#20 Methoxychlor

R.T.: 7.461 min  
Delta R.T.: -0.002 min  
Response: 409600351  
Conc: 278.95 ng/ml



#20 Methoxychlor

R.T.: 6.679 min  
Delta R.T.: -0.002 min  
Response: 771955036  
Conc: 281.68 ng/ml



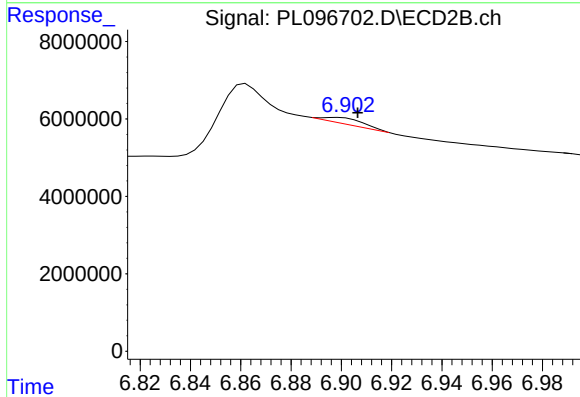
#21 Endrin ketone

R.T.: 7.595 min  
Delta R.T.: -0.002 min  
Response: 2240899  
Conc: 0.75 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

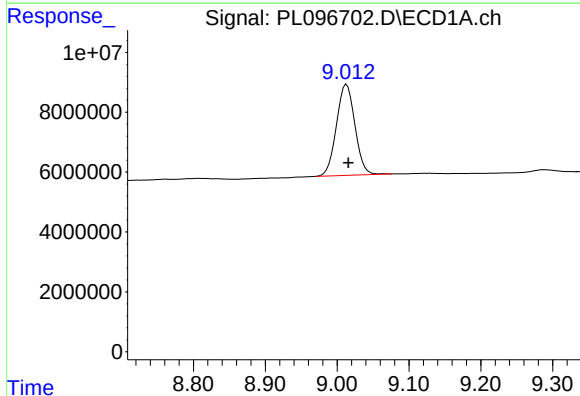
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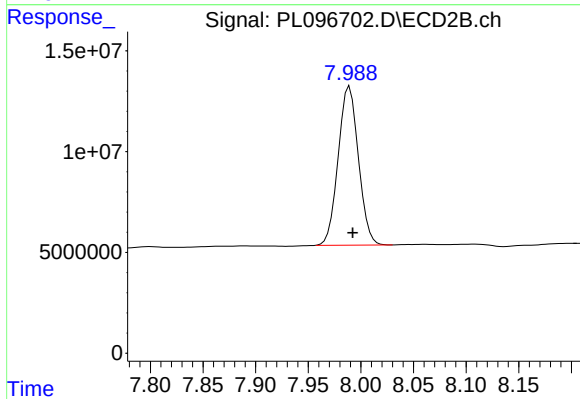
#21 Endrin ketone

R.T.: 6.902 min  
Delta R.T.: -0.005 min  
Response: 1614378  
Conc: 0.29 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.013 min  
Delta R.T.: -0.002 min  
Response: 54193797  
Conc: 22.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.989 min  
Delta R.T.: -0.003 min  
Response: 105771901  
Conc: 24.38 ng/ml