

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL090525\  
 Data File : PL097050.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Sep 2025 15:58  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 09/05/2025  
 Supervised By : mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Sep 05 08:05:23 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL082025.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Aug 21 06:34:01 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... | 3.528 | 2.823 | 75506733 | 106.6E6  | 19.145  | 18.919  |
| 28)                         | SA Decachlor... | 9.008 | 7.987 | 59540707 | 103.3E6  | 20.111  | 21.535  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.975 | 3.328 | 54327781 | 76536015 | 9.377   | 9.321   |
| 3)                          | MA gamma-BHC... | 4.303 | 3.660 | 51086845 | 73093141 | 9.353   | 9.922   |
| 6)                          | B beta-BHC      | 4.491 | 3.956 | 22779169 | 33580821 | 9.960   | 10.294  |
| 14)                         | MA Endrin       | 6.536 | 5.704 | 186.2E6  | 298.8E6  | 49.733  | 50.588  |
| 16)                         | A 4,4'-DDD      | 6.668 | 5.851 | 5498561  | 8800204  | 1.742m  | 1.685   |
| 17)                         | MA 4,4'-DDT     | 6.983 | 6.104 | 331.9E6  | 570.7E6  | 94.775  | 104.186 |
| 20)                         | A Methoxychlor  | 7.457 | 6.676 | 403.4E6  | 669.1E6  | 232.469 | 223.037 |
| 21)                         | B Endrin ke...  | 7.589 | 6.901 | 5837638  | 17450832 | 1.642m  | 2.788 # |
| -----                       |                 |       |       |          |          |         |         |

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

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Data File : PL097050.D  
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Acq On : 04 Sep 2025 15:58  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

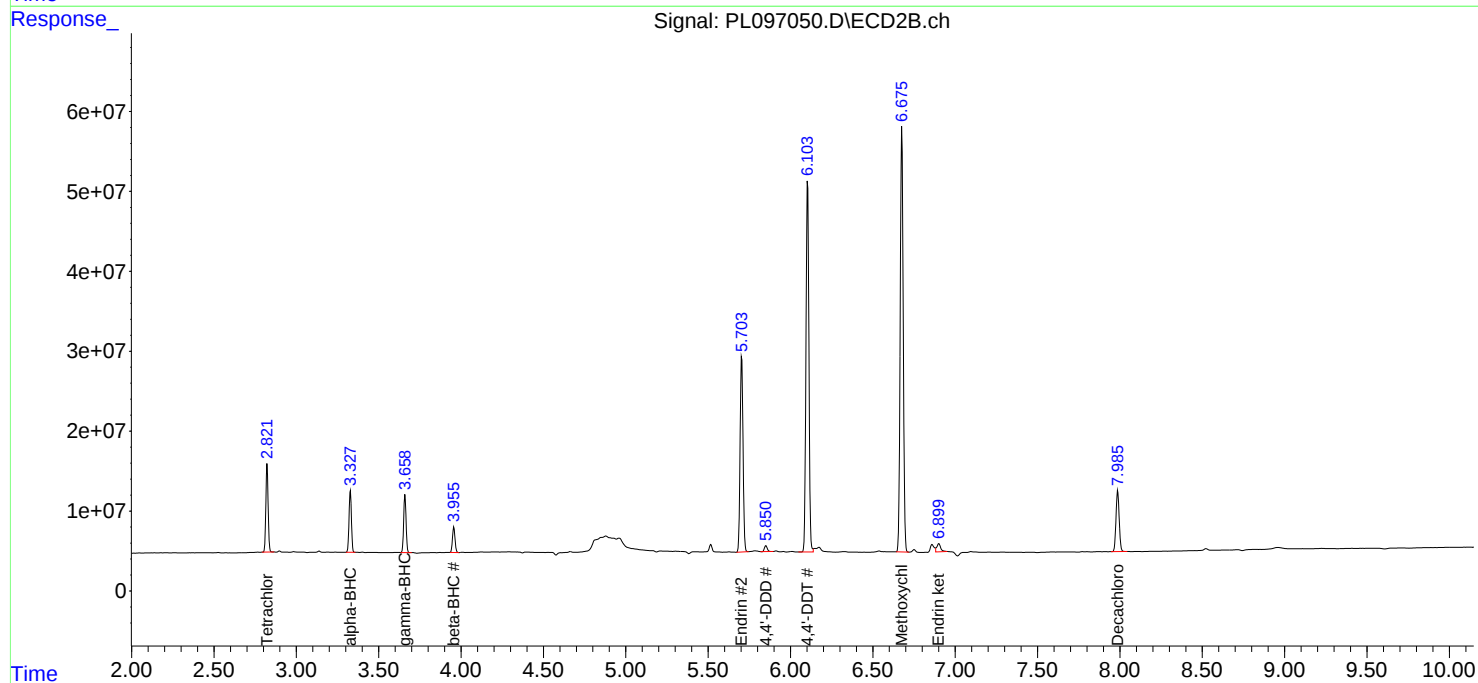
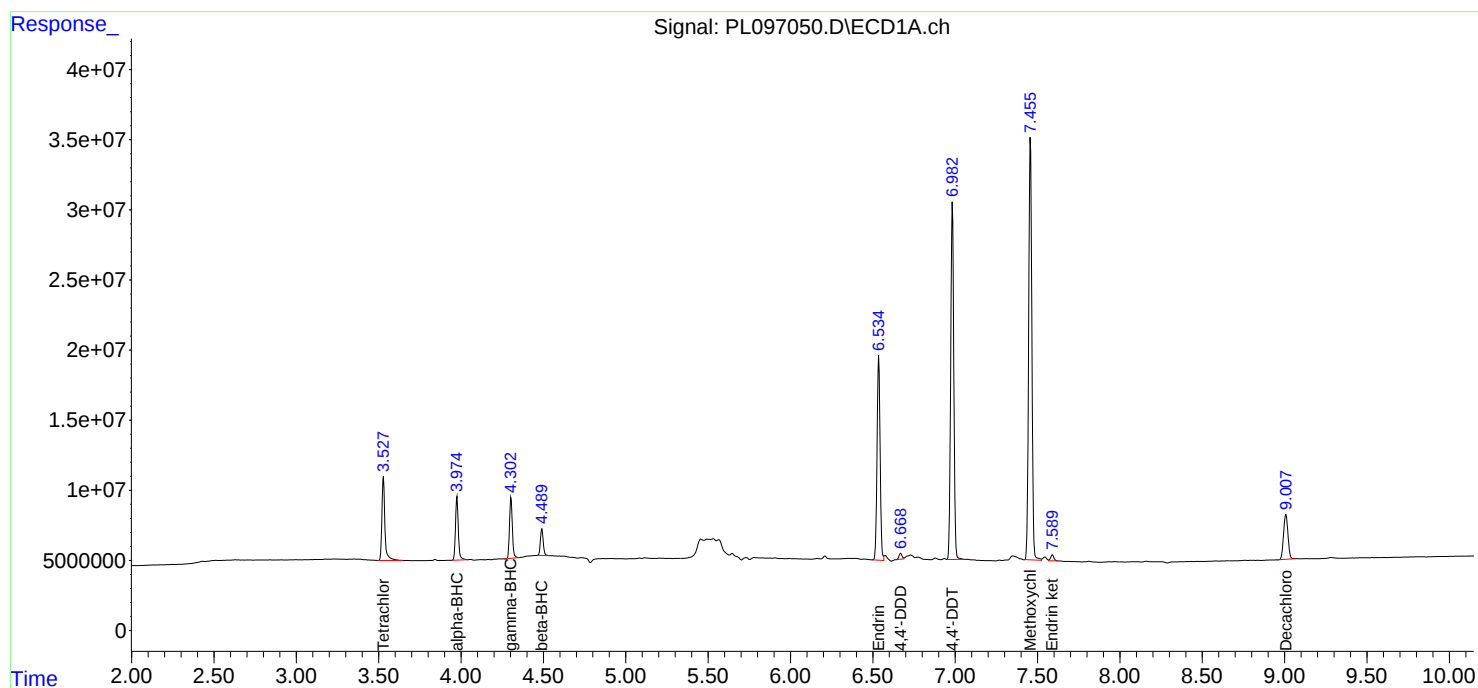
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

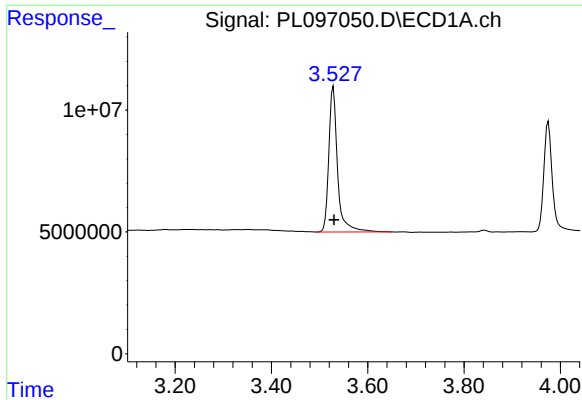
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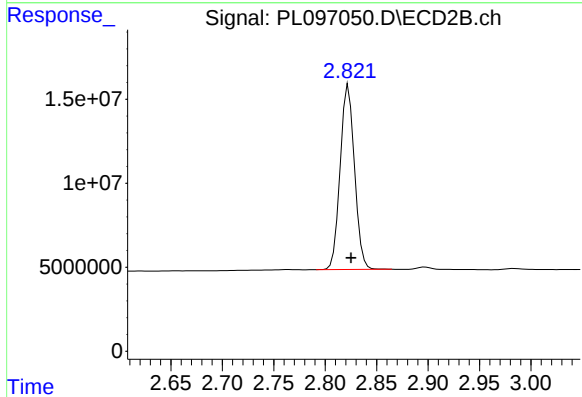
#1 Tetrachloro-m-xylene

R.T.: 3.528 min  
Delta R.T.: -0.002 min  
Response: 75506733  
Conc: 19.15 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

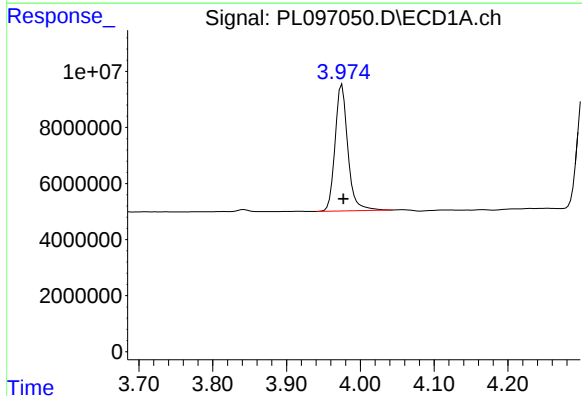
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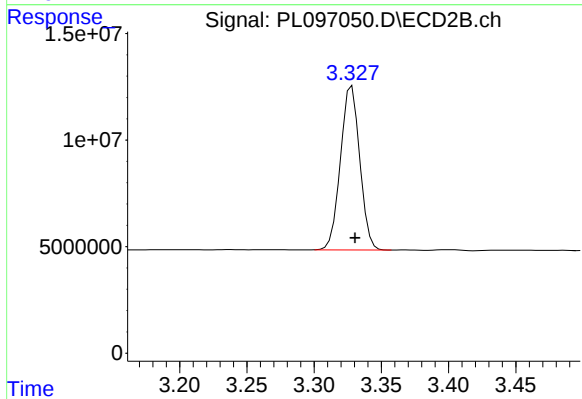
#1 Tetrachloro-m-xylene

R.T.: 2.823 min  
Delta R.T.: -0.003 min  
Response: 106640415  
Conc: 18.92 ng/ml



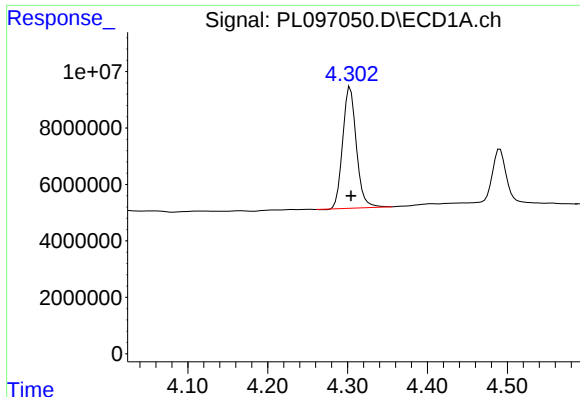
#2 alpha-BHC

R.T.: 3.975 min  
Delta R.T.: -0.002 min  
Response: 54327781  
Conc: 9.38 ng/ml



#2 alpha-BHC

R.T.: 3.328 min  
Delta R.T.: -0.002 min  
Response: 76536015  
Conc: 9.32 ng/ml



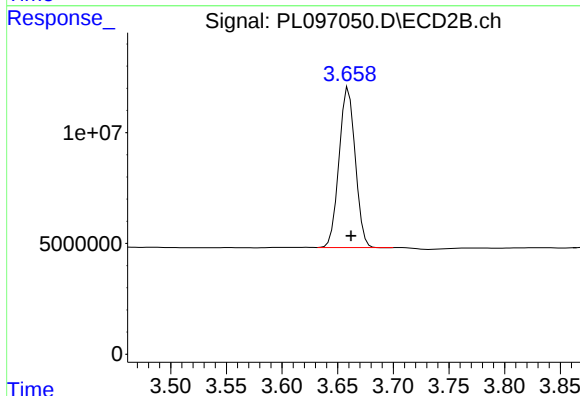
#3 gamma-BHC (Lindane)

R.T.: 4.303 min  
Delta R.T.: -0.001 min  
Response: 51086845  
Conc: 9.35 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

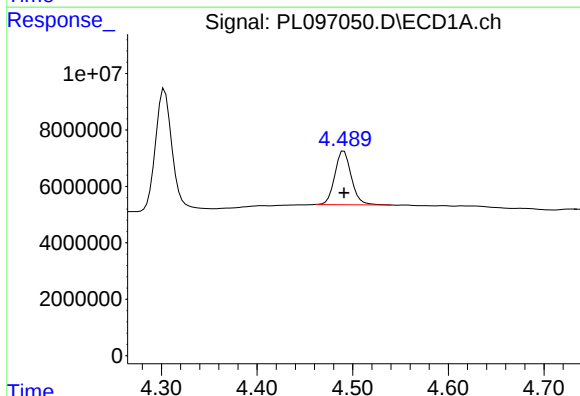
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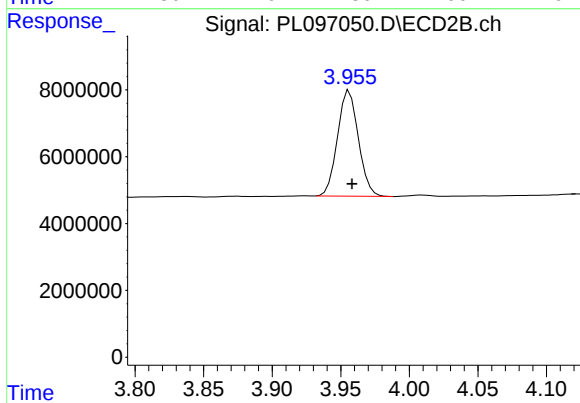
#3 gamma-BHC (Lindane)

R.T.: 3.660 min  
Delta R.T.: -0.002 min  
Response: 73093141  
Conc: 9.92 ng/ml



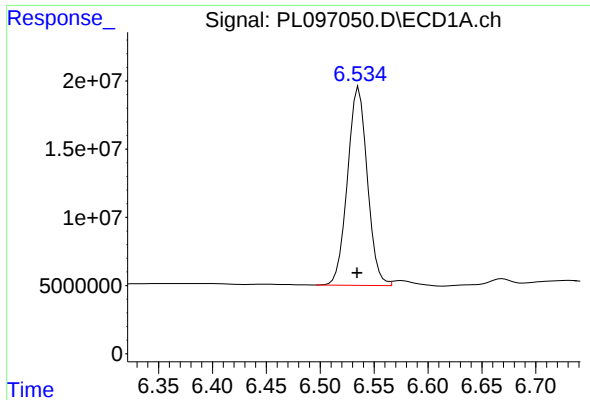
#6 beta-BHC

R.T.: 4.491 min  
Delta R.T.: 0.000 min  
Response: 22779169  
Conc: 9.96 ng/ml



#6 beta-BHC

R.T.: 3.956 min  
Delta R.T.: -0.002 min  
Response: 33580821  
Conc: 10.29 ng/ml



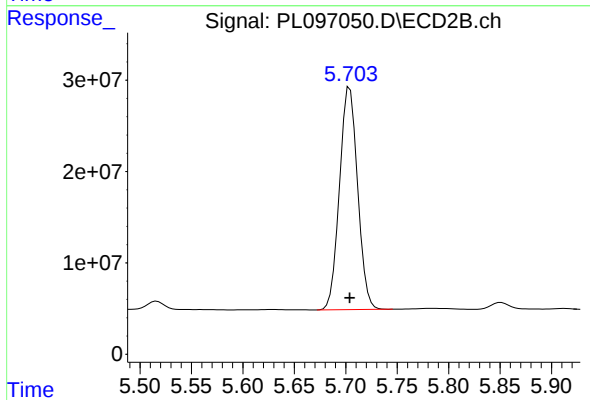
#14 Endrin

R.T.: 6.536 min  
Delta R.T.: 0.001 min  
Response: 186246836  
Conc: 49.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

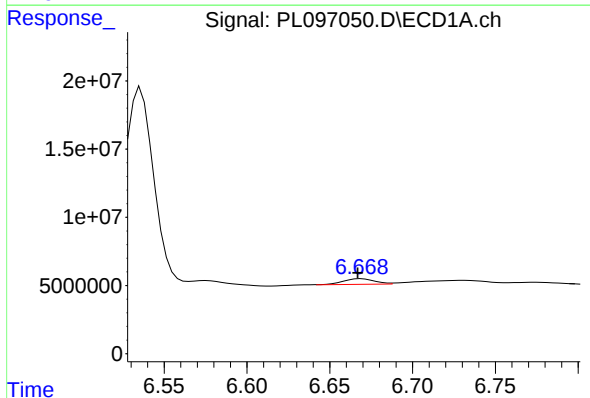
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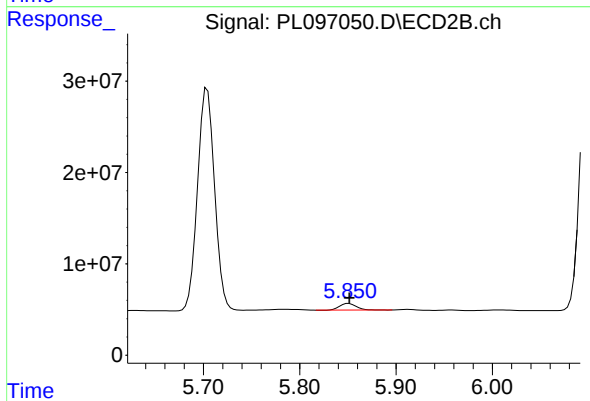
#14 Endrin

R.T.: 5.704 min  
Delta R.T.: 0.000 min  
Response: 298831548  
Conc: 50.59 ng/ml



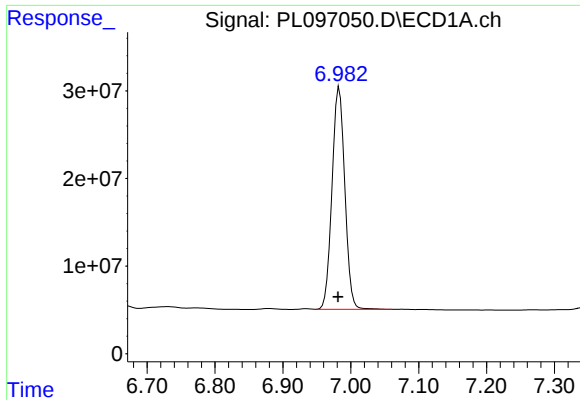
#16 4,4'-DDD

R.T.: 6.668 min  
Delta R.T.: 0.000 min  
Response: 5498561  
Conc: 1.74 ng/ml m



#16 4,4'-DDD

R.T.: 5.851 min  
Delta R.T.: 0.000 min  
Response: 8800204  
Conc: 1.69 ng/ml



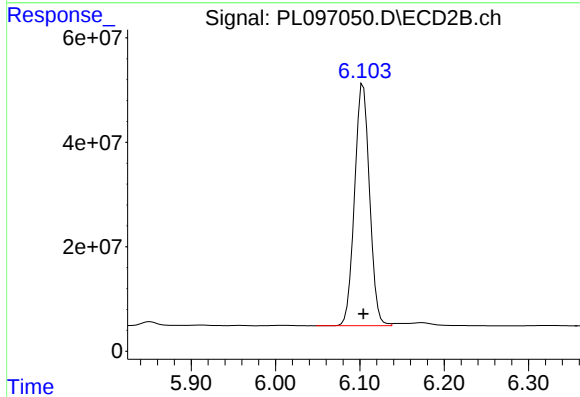
#17 4,4'-DDT

R.T.: 6.983 min  
Delta R.T.: 0.002 min  
Response: 331942095  
Conc: 94.77 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

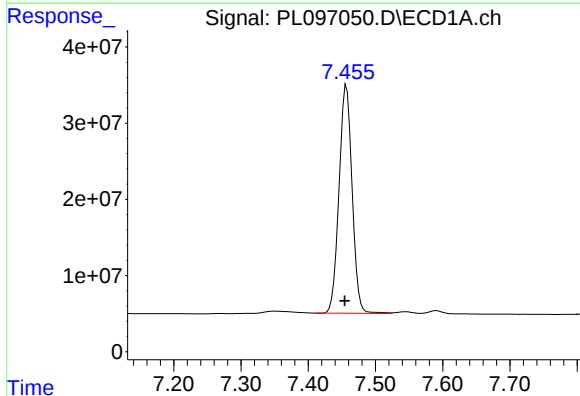
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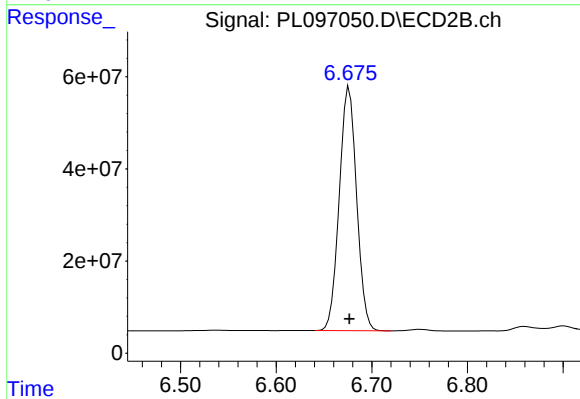
#17 4,4'-DDT

R.T.: 6.104 min  
Delta R.T.: 0.000 min  
Response: 570653425  
Conc: 104.19 ng/ml



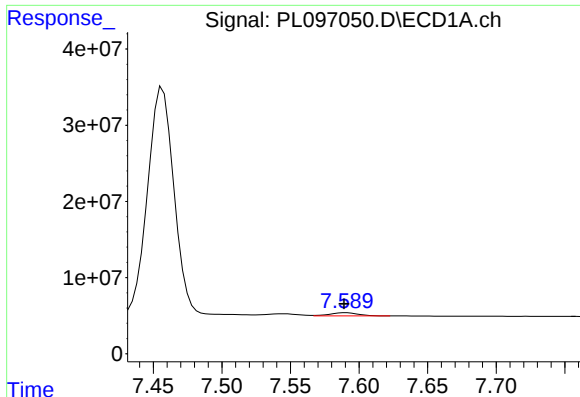
#20 Methoxychlor

R.T.: 7.457 min  
Delta R.T.: 0.003 min  
Response: 403448626  
Conc: 232.47 ng/ml



#20 Methoxychlor

R.T.: 6.676 min  
Delta R.T.: 0.000 min  
Response: 669059932  
Conc: 223.04 ng/ml



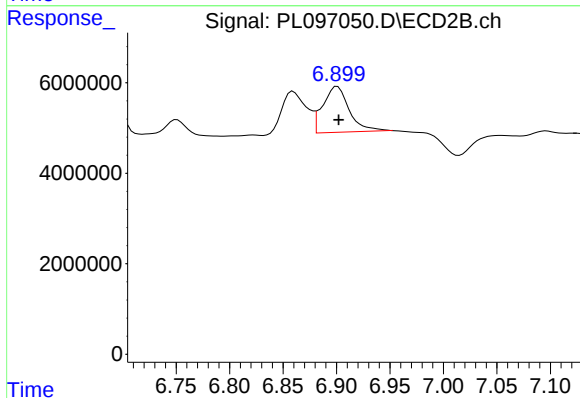
#21 Endrin ketone

R.T.: 7.589 min  
Delta R.T.: 0.000 min  
Response: 5837638  
Conc: 1.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

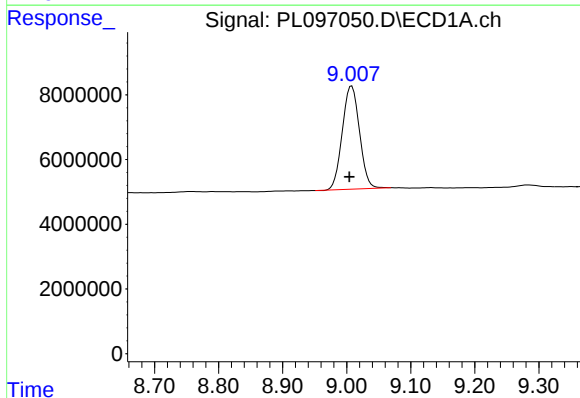
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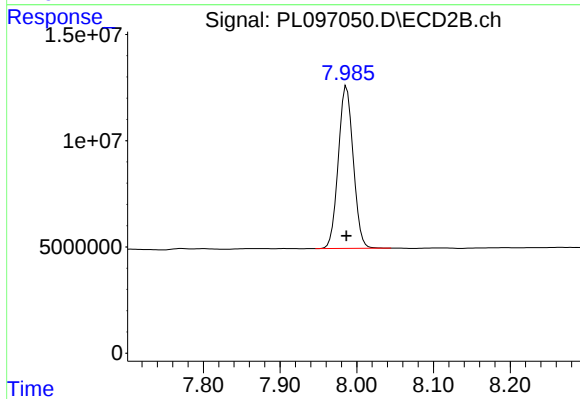
#21 Endrin ketone

R.T.: 6.901 min  
Delta R.T.: -0.001 min  
Response: 17450832  
Conc: 2.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.008 min  
Delta R.T.: 0.004 min  
Response: 59540707  
Conc: 20.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.987 min  
Delta R.T.: 0.000 min  
Response: 103279200  
Conc: 21.54 ng/ml