

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL082525\  
 Data File : PL096959.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 25 Aug 2025 11:01  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 08/26/2025  
 Supervised By :mohammad ahmed 08/27/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 26 05:50:48 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... | 3.530 | 2.825 | 71441932 | 104.8E6  | 18.115  | 18.599  |
| 28)                         | SA Decachlor... | 9.006 | 7.987 | 56315896 | 101.7E6  | 19.021  | 21.212  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.977 | 3.330 | 51310857 | 74812648 | 8.856   | 9.111   |
| 3)                          | MA gamma-BHC... | 4.305 | 3.662 | 49450571 | 71533363 | 9.054   | 9.711   |
| 6)                          | B beta-BHC      | 4.491 | 3.958 | 21001543 | 33133881 | 9.183   | 10.157  |
| 14)                         | MA Endrin       | 6.535 | 5.704 | 172.6E6  | 295.2E6  | 46.082  | 49.970  |
| 16)                         | A 4,4'-DDD      | 6.667 | 5.852 | 3907156  | 5072959  | 1.238m  | 0.971   |
| 17)                         | MA 4,4'-DDT     | 6.983 | 6.104 | 321.9E6  | 567.8E6  | 91.917  | 103.664 |
| 20)                         | A Methoxychlor  | 7.455 | 6.676 | 389.4E6  | 681.8E6  | 224.386 | 227.294 |
| 21)                         | B Endrin ke...  | 7.589 | 6.901 | 3945144  | 10740127 | 1.110m  | 1.716 # |
| -----                       |                 |       |       |          |          |         |         |

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

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Data File : PL096959.D  
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Acq On : 25 Aug 2025 11:01  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

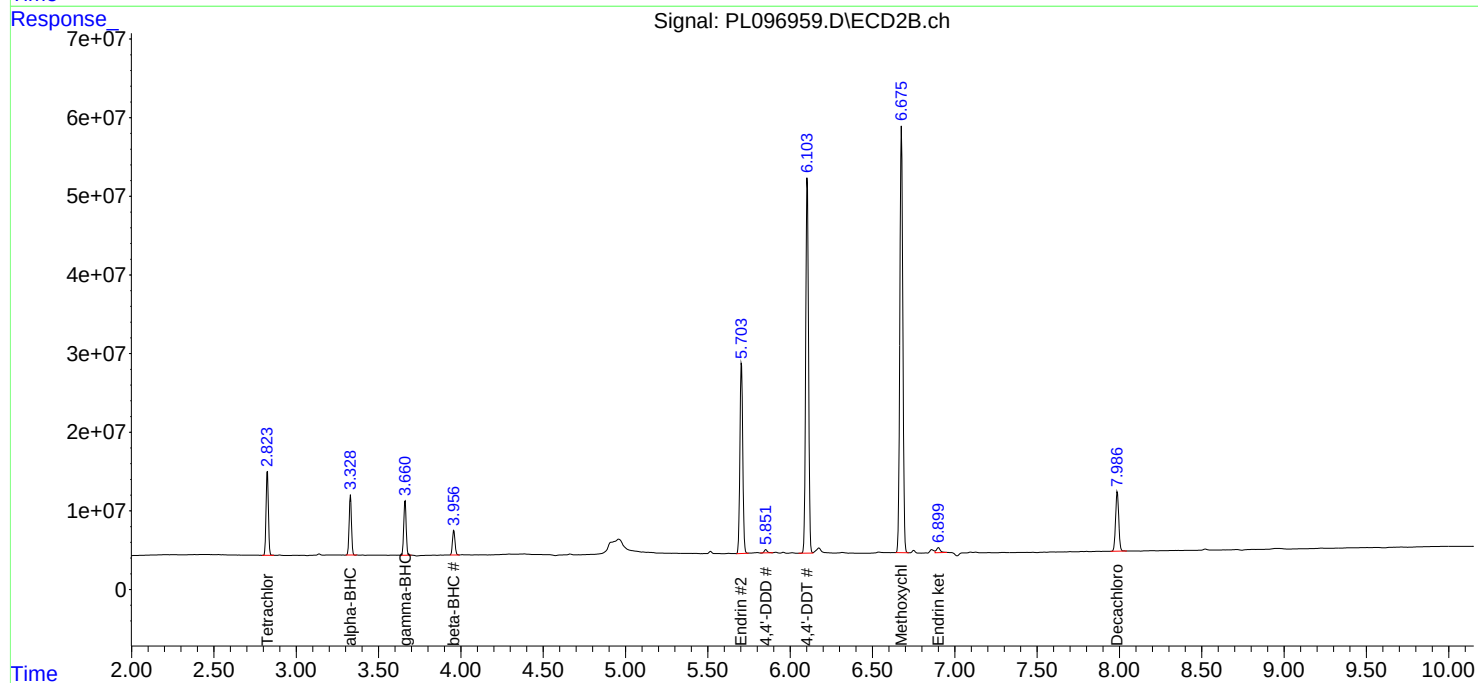
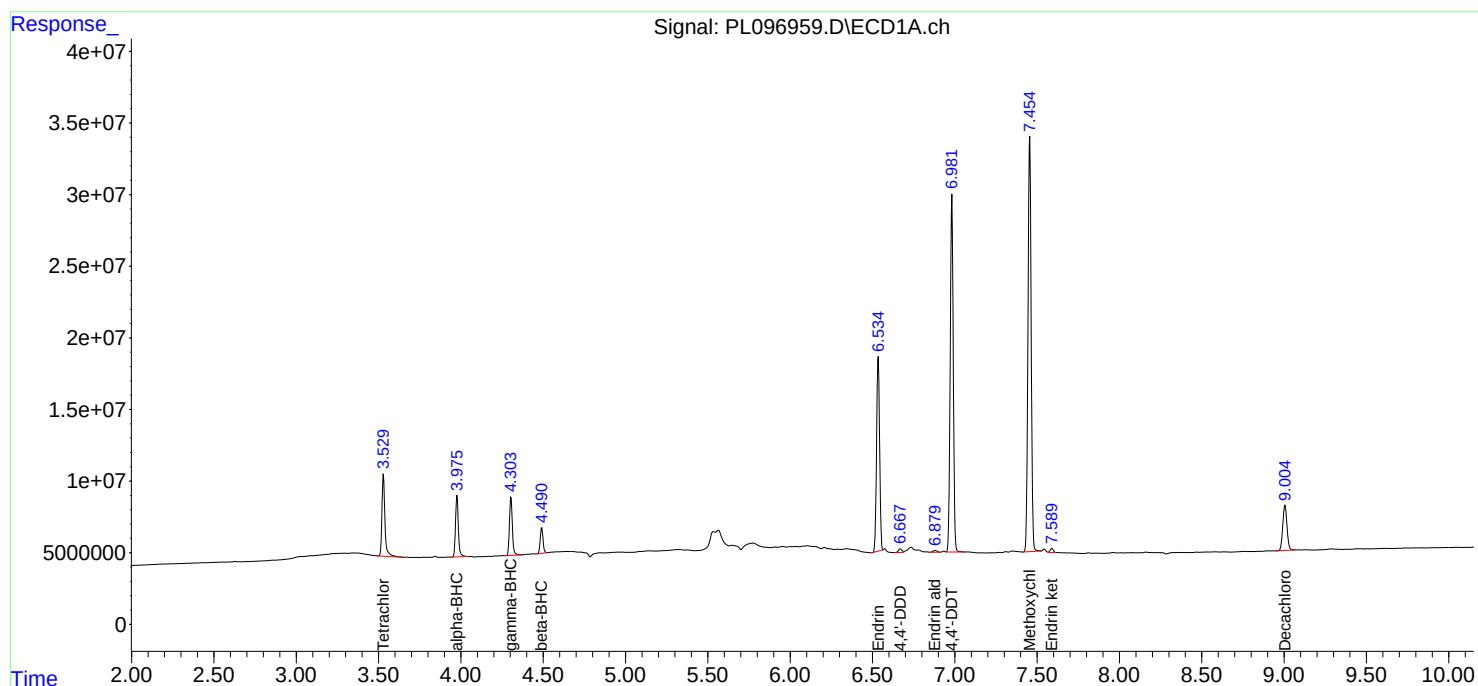
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

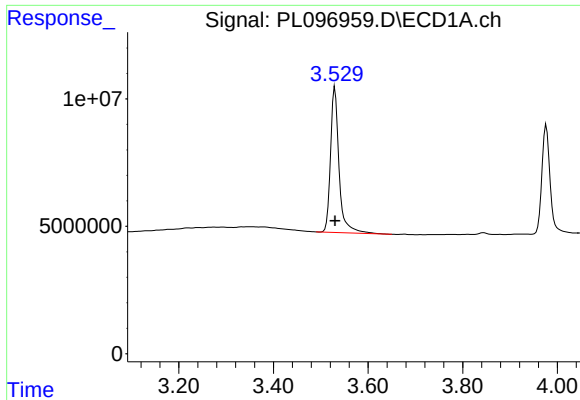
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Integration File signal 1: autoint1.e  
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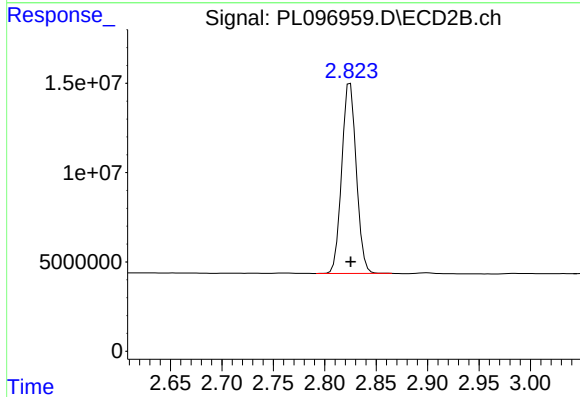
#1 Tetrachloro-m-xylene

R.T.: 3.530 min  
Delta R.T.: 0.000 min  
Response: 71441932  
Conc: 18.11 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

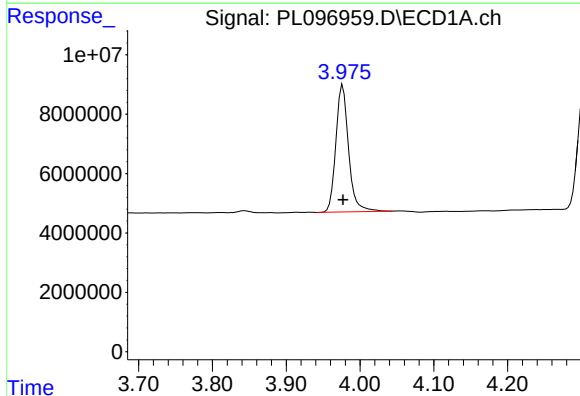
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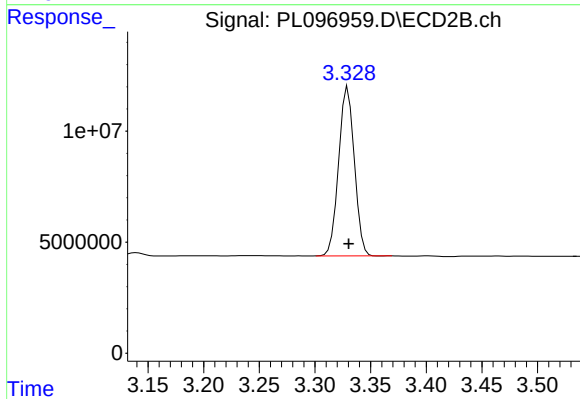
#1 Tetrachloro-m-xylene

R.T.: 2.825 min  
Delta R.T.: 0.000 min  
Response: 104833426  
Conc: 18.60 ng/ml



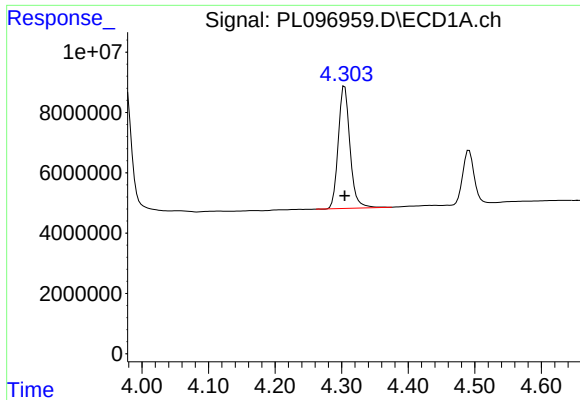
#2 alpha-BHC

R.T.: 3.977 min  
Delta R.T.: 0.000 min  
Response: 51310857  
Conc: 8.86 ng/ml



#2 alpha-BHC

R.T.: 3.330 min  
Delta R.T.: 0.000 min  
Response: 74812648  
Conc: 9.11 ng/ml



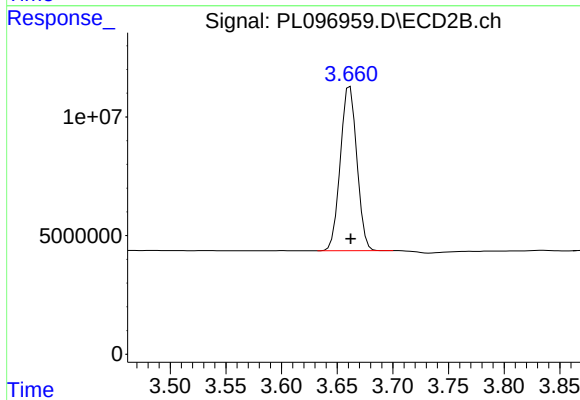
#3 gamma-BHC (Lindane)

R.T.: 4.305 min  
Delta R.T.: 0.000 min  
Response: 49450571  
Conc: 9.05 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

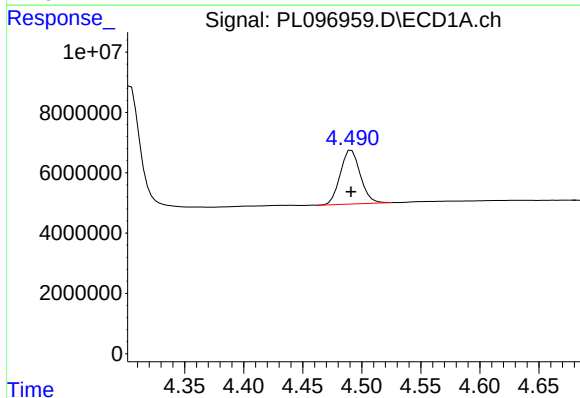
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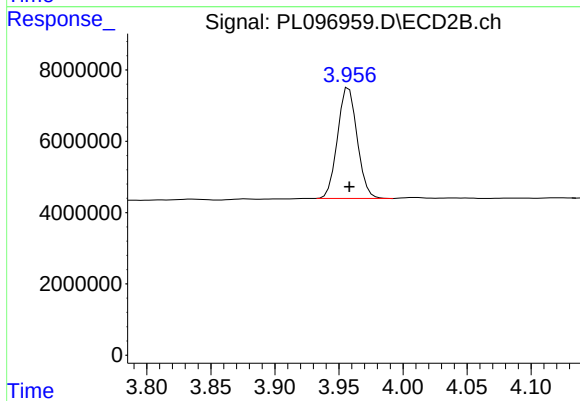
#3 gamma-BHC (Lindane)

R.T.: 3.662 min  
Delta R.T.: 0.000 min  
Response: 71533363  
Conc: 9.71 ng/ml



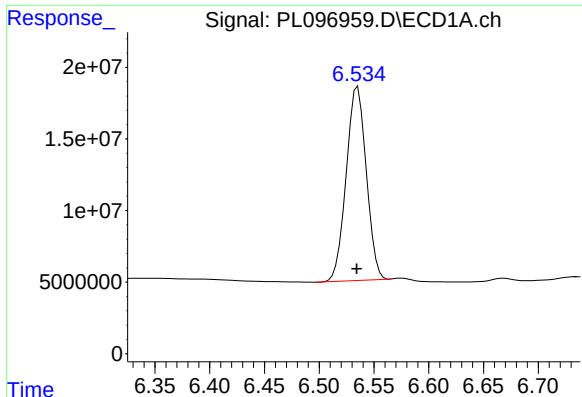
#6 beta-BHC

R.T.: 4.491 min  
Delta R.T.: 0.000 min  
Response: 21001543  
Conc: 9.18 ng/ml



#6 beta-BHC

R.T.: 3.958 min  
Delta R.T.: 0.000 min  
Response: 33133881  
Conc: 10.16 ng/ml



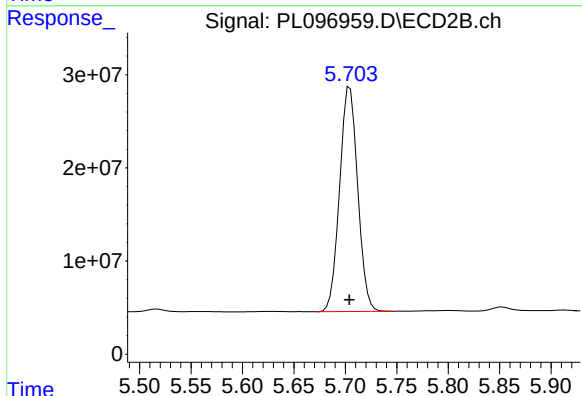
#14 Endrin

R.T.: 6.535 min  
Delta R.T.: 0.000 min  
Response: 172572371  
Conc: 46.08 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

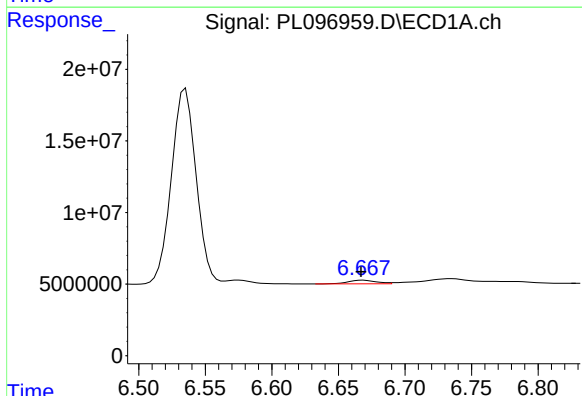
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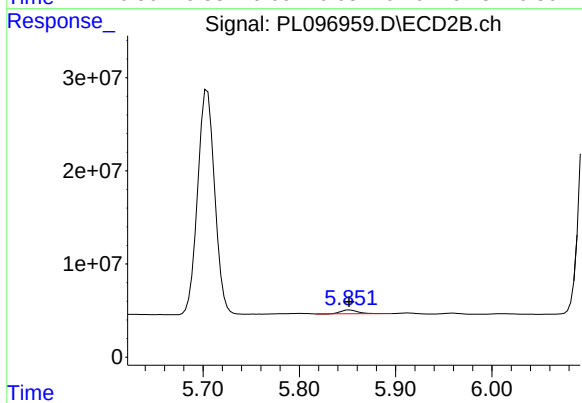
#14 Endrin

R.T.: 5.704 min  
Delta R.T.: 0.000 min  
Response: 295183560  
Conc: 49.97 ng/ml



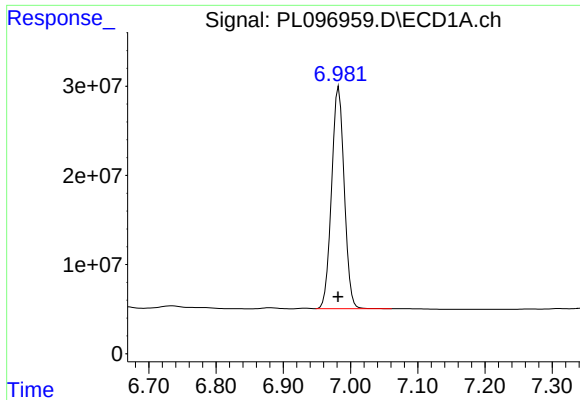
#16 4,4'-DDD

R.T.: 6.667 min  
Delta R.T.: 0.000 min  
Response: 3907156  
Conc: 1.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.852 min  
Delta R.T.: 0.000 min  
Response: 5072959  
Conc: 0.97 ng/ml



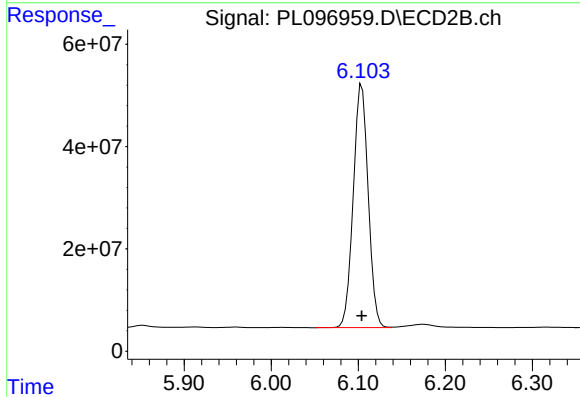
#17 4,4'-DDT

R.T.: 6.983 min  
Delta R.T.: 0.001 min  
Response: 321933570  
Conc: 91.92 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

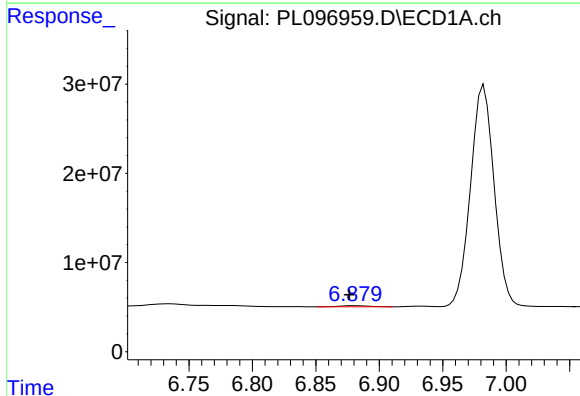
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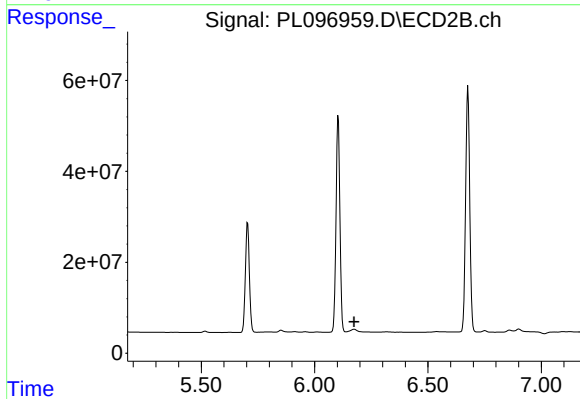
#17 4,4'-DDT

R.T.: 6.104 min  
Delta R.T.: 0.000 min  
Response: 567794886  
Conc: 103.66 ng/ml



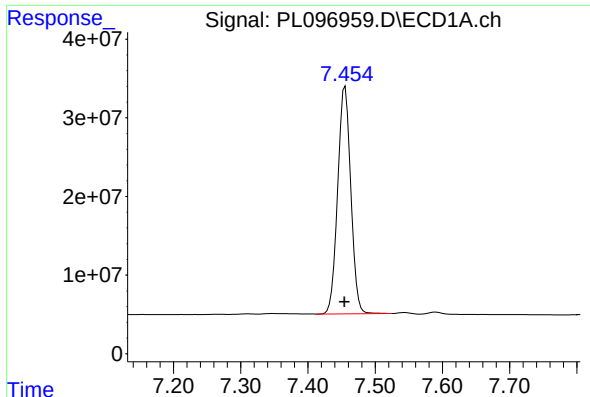
#18 Endrin aldehyde

R.T.: 6.879 min  
Delta R.T.: 0.003 min  
Response: 2143665  
Conc: 0.82 ng/ml m



#18 Endrin aldehyde

R.T.: 6.175 min  
Delta R.T.: 0.000 min  
Response: 13351652  
Conc: N.D.



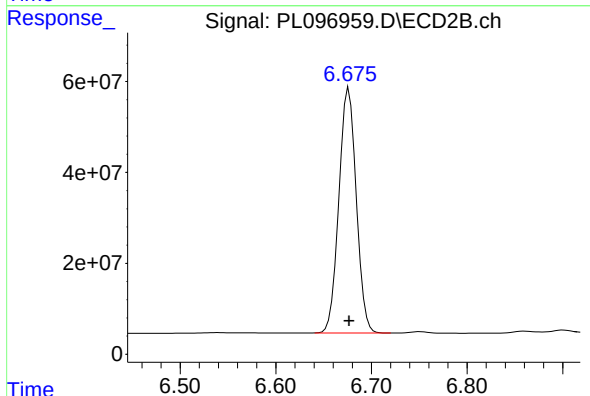
#20 Methoxychlor

R.T.: 7.455 min  
Delta R.T.: 0.000 min  
Response: 389420675  
Conc: 224.39 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

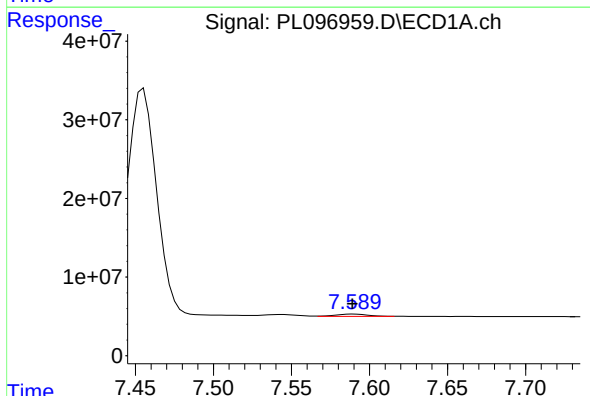
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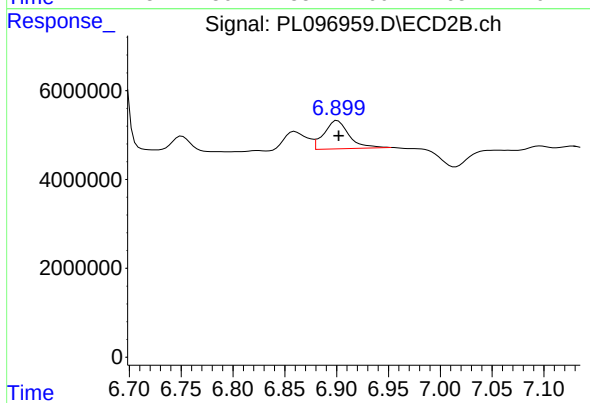
#20 Methoxychlor

R.T.: 6.676 min  
Delta R.T.: 0.000 min  
Response: 681831944  
Conc: 227.29 ng/ml



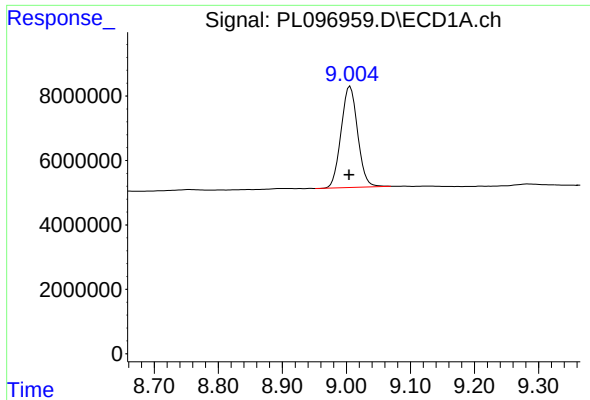
#21 Endrin ketone

R.T.: 7.589 min  
Delta R.T.: 0.000 min  
Response: 3945144  
Conc: 1.11 ng/ml m



#21 Endrin ketone

R.T.: 6.901 min  
Delta R.T.: -0.001 min  
Response: 10740127  
Conc: 1.72 ng/ml



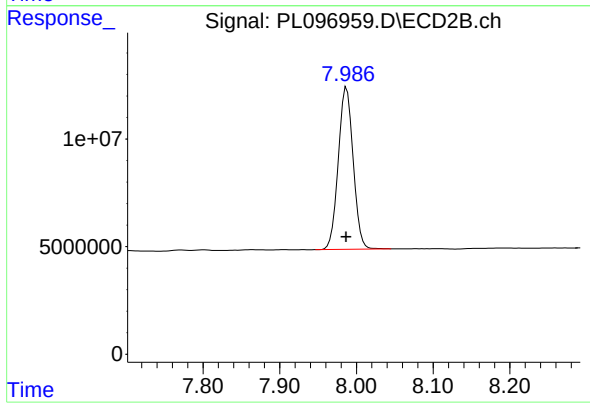
#28 Decachlorobiphenyl

R.T.: 9.006 min  
Delta R.T.: 0.002 min  
Response: 56315896  
Conc: 19.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
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#28 Decachlorobiphenyl

R.T.: 7.987 min  
Delta R.T.: 0.000 min  
Response: 101726676  
Conc: 21.21 ng/ml