

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050925\  
 Data File : PL095617.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 09 May 2025 18:03  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/12/2025  
 Supervised By : mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 09 23:16:17 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 23 16:23:18 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... | 3.592  | 2.907 | 58949373 | 74757881 | 18.057  | 23.511 #  |
| 28)                         | SA Decachlor... | 9.115  | 8.083 | 55153848 | 76968851 | 19.905  | 26.009m#  |
| Target Compounds            |                 |        |       |          |          |         |           |
| 2)                          | A alpha-BHC     | 4.042  | 3.416 | 42186014 | 58354581 | 8.516   | 13.117 #  |
| 3)                          | MA gamma-BHC... | 4.372  | 3.750 | 41476298 | 56487249 | 8.761m  | 12.843 #  |
| 6)                          | B beta-BHC      | 4.559  | 4.044 | 17858612 | 26548168 | 8.638   | 12.789 #  |
| 12)                         | B 4,4'-DDE      | 6.287f | 0.000 | 10881201 | 0        | 2.775m  | N.D. d#   |
| 14)                         | MA Endrin       | 6.617  | 5.805 | 151.2E6  | 238.0E6  | 47.490m | 65.383 #  |
| 16)                         | A 4,4'-DDD      | 6.745  | 5.947 | 3339039  | 4663007  | 1.179m  | 1.427     |
| 17)                         | MA 4,4'-DDT     | 7.063  | 6.201 | 272.7E6  | 437.0E6  | 95.730  | 127.187 # |
| 18)                         | B Endrin al...  | 6.955  | 6.274 | 1260016  | 3626609  | 0.543m  | 1.388m#   |
| 20)                         | A Methoxychlor  | 7.534  | 6.769 | 311.0E6  | 514.9E6  | 222.952 | 269.946m  |
| 21)                         | B Endrin ke...  | 7.672  | 6.999 | 2651772  | 4910955  | 0.930m  | 1.395m#   |
| -----                       |                 |        |       |          |          |         |           |

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

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Acq On : 09 May 2025 18:03  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

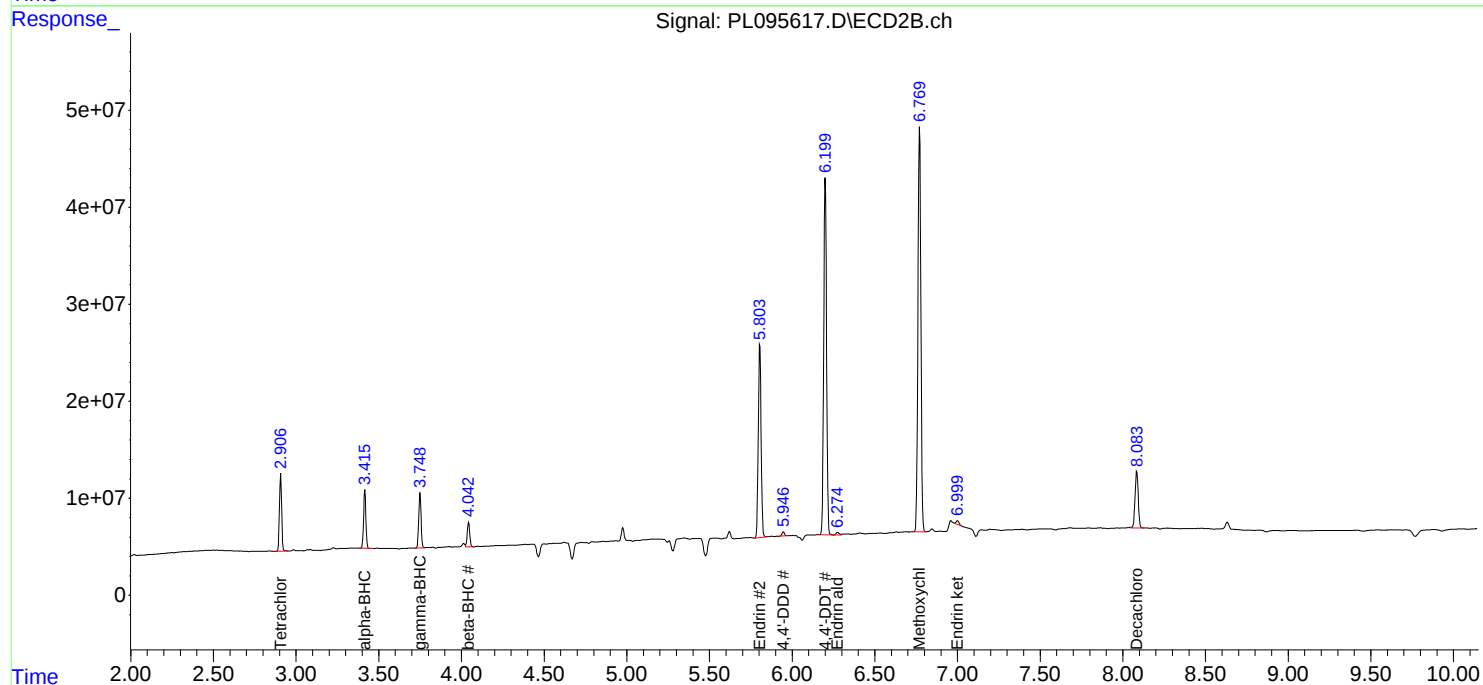
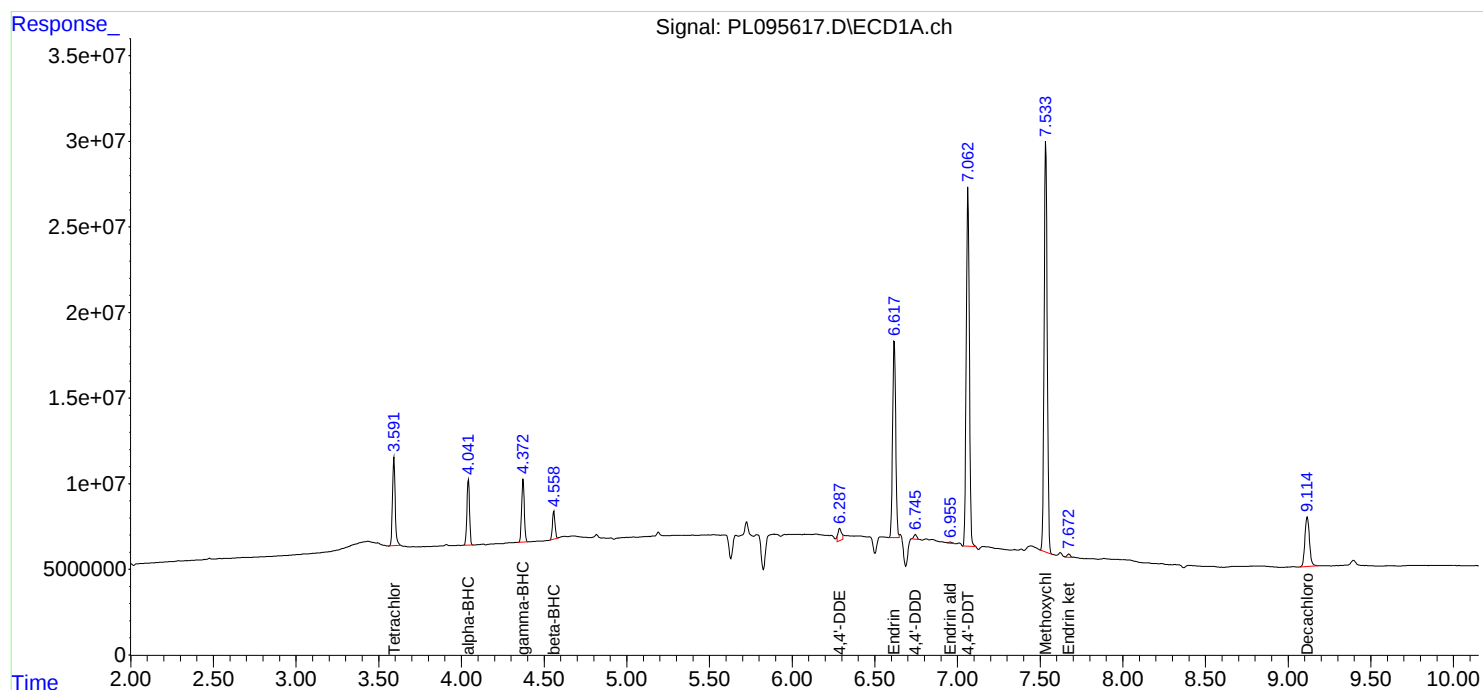
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

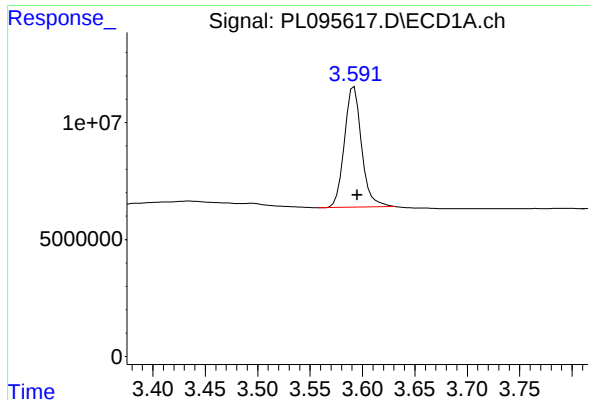
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
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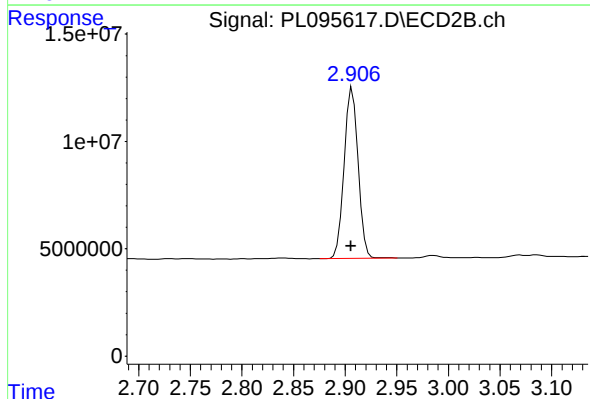
#1 Tetrachloro-m-xylene

R.T.: 3.592 min  
Delta R.T.: -0.003 min  
Response: 58949373  
Conc: 18.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

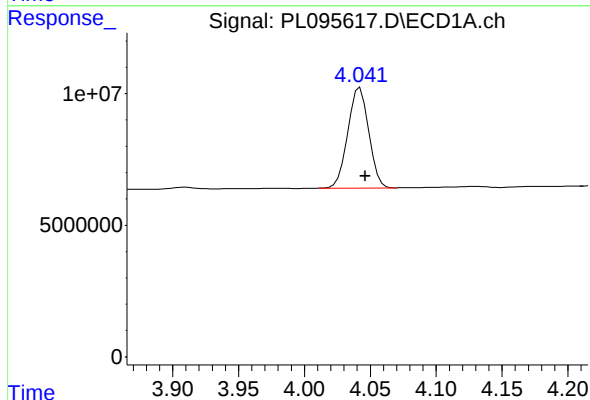
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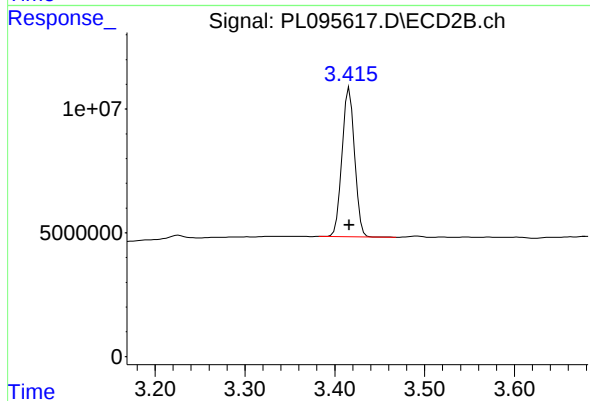
#1 Tetrachloro-m-xylene

R.T.: 2.907 min  
Delta R.T.: 0.001 min  
Response: 74757881  
Conc: 23.51 ng/ml



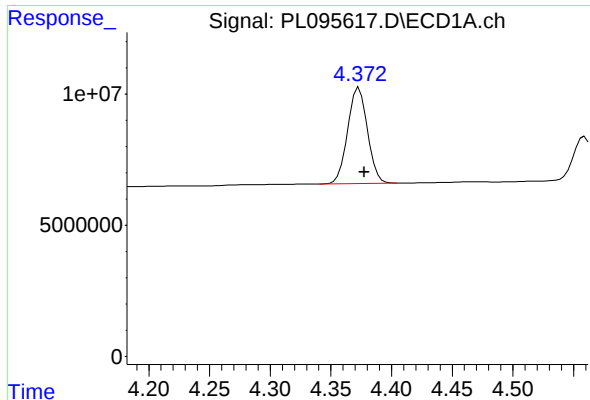
#2 alpha-BHC

R.T.: 4.042 min  
Delta R.T.: -0.004 min  
Response: 42186014  
Conc: 8.52 ng/ml



#2 alpha-BHC

R.T.: 3.416 min  
Delta R.T.: 0.000 min  
Response: 58354581  
Conc: 13.12 ng/ml



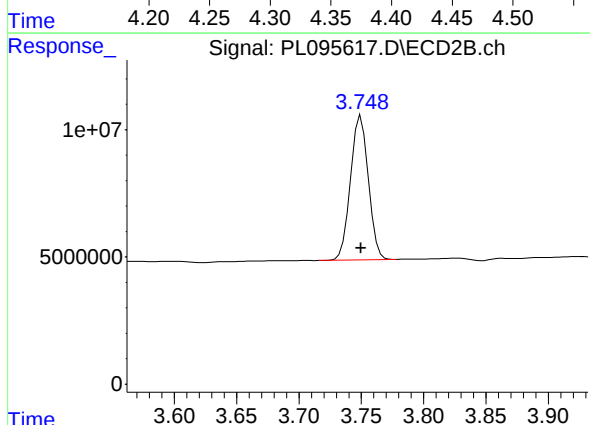
#3 gamma-BHC (Lindane)

R.T.: 4.372 min  
Delta R.T.: -0.006 min  
Response: 41476298  
Conc: 8.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

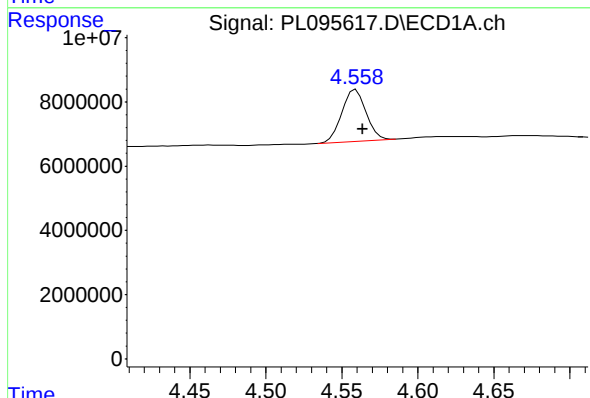
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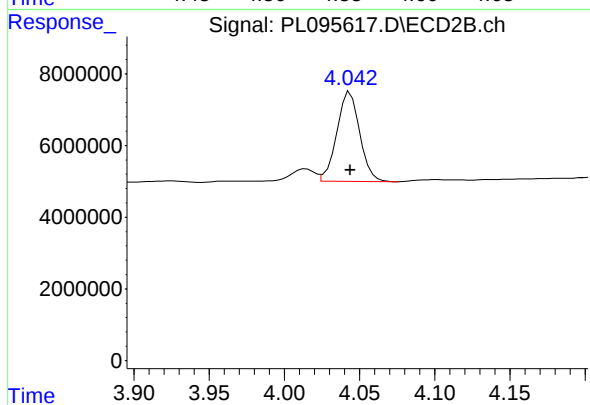
#3 gamma-BHC (Lindane)

R.T.: 3.750 min  
Delta R.T.: 0.000 min  
Response: 56487249  
Conc: 12.84 ng/ml



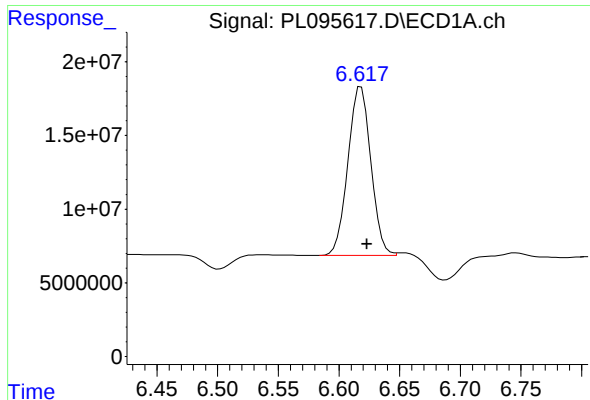
#6 beta-BHC

R.T.: 4.559 min  
Delta R.T.: -0.004 min  
Response: 17858612  
Conc: 8.64 ng/ml



#6 beta-BHC

R.T.: 4.044 min  
Delta R.T.: 0.000 min  
Response: 26548168  
Conc: 12.79 ng/ml



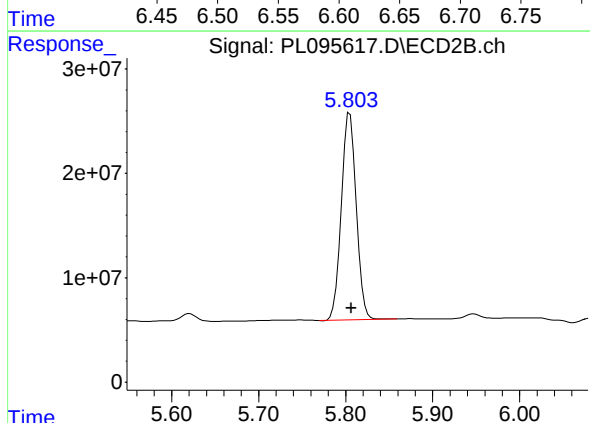
#14 Endrin

R.T.: 6.617 min  
Delta R.T.: -0.006 min  
Response: 151242911  
Conc: 47.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

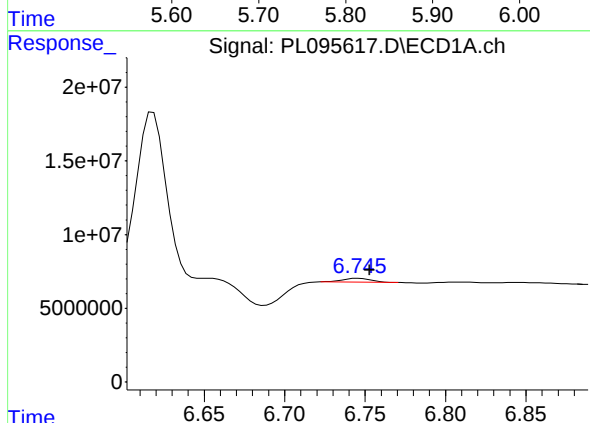
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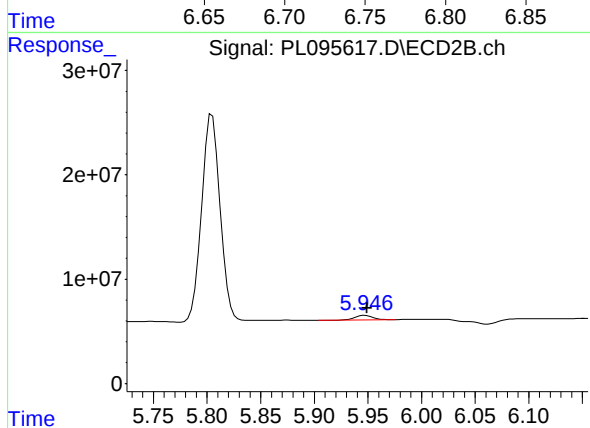
#14 Endrin

R.T.: 5.805 min  
Delta R.T.: -0.002 min  
Response: 238040675  
Conc: 65.38 ng/ml



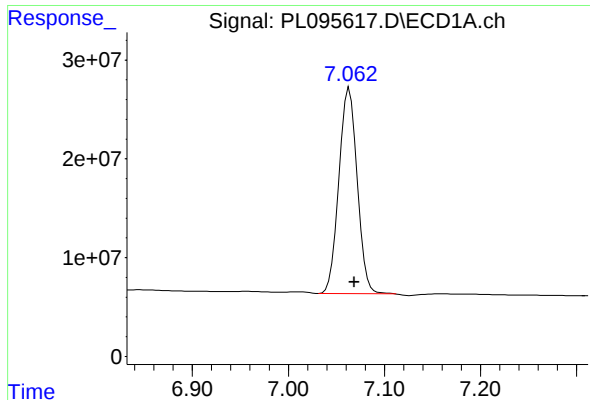
#16 4,4'-DDD

R.T.: 6.745 min  
Delta R.T.: -0.008 min  
Response: 3339039  
Conc: 1.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.947 min  
Delta R.T.: -0.002 min  
Response: 4663007  
Conc: 1.43 ng/ml



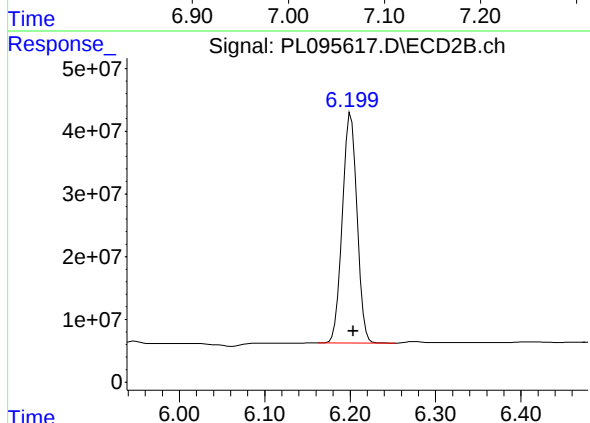
#17 4,4'-DDT

R.T.: 7.063 min  
Delta R.T.: -0.005 min  
Response: 272693759  
Conc: 95.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

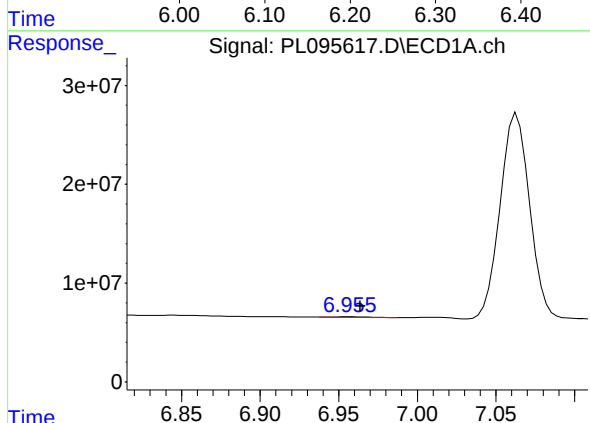
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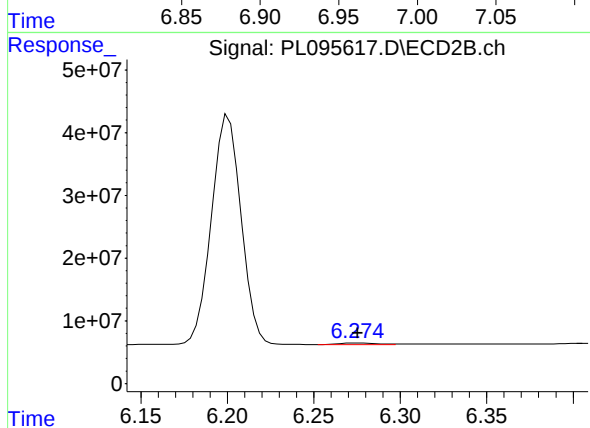
#17 4,4'-DDT

R.T.: 6.201 min  
Delta R.T.: -0.003 min  
Response: 437038951  
Conc: 127.19 ng/ml



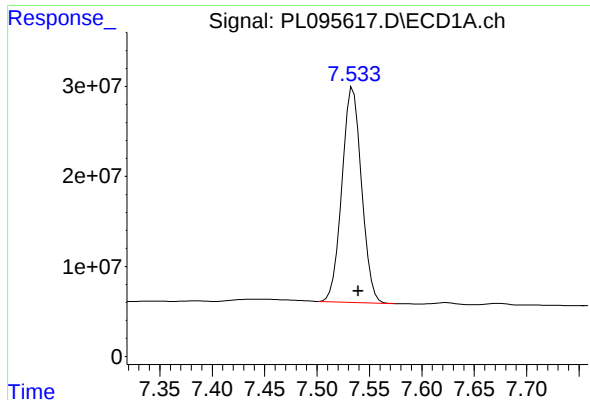
#18 Endrin aldehyde

R.T.: 6.955 min  
Delta R.T.: -0.008 min  
Response: 1260016  
Conc: 0.54 ng/ml m



#18 Endrin aldehyde

R.T.: 6.274 min  
Delta R.T.: -0.002 min  
Response: 3626609  
Conc: 1.39 ng/ml m



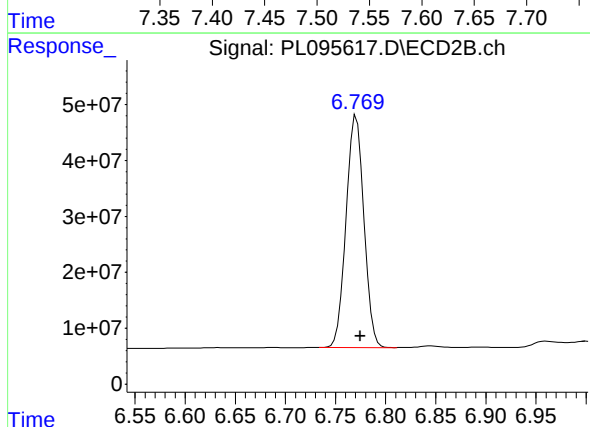
#20 Methoxychlor

R.T.: 7.534 min  
Delta R.T.: -0.005 min  
Response: 311046540  
Conc: 222.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

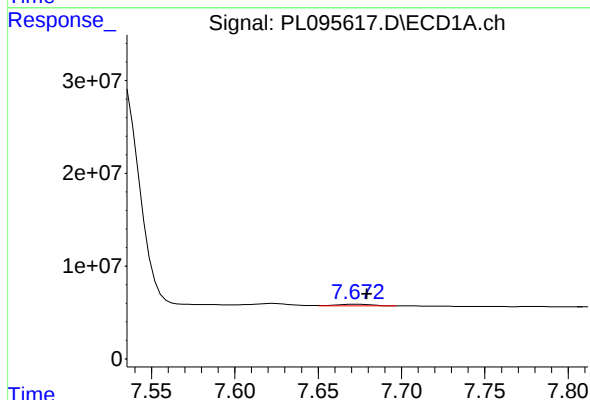
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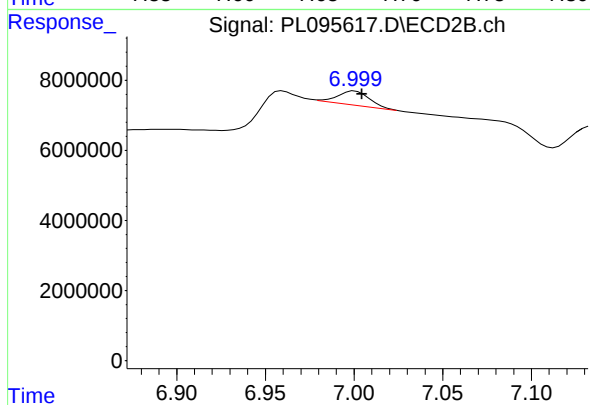
#20 Methoxychlor

R.T.: 6.769 min  
Delta R.T.: -0.005 min  
Response: 514903324  
Conc: 269.95 ng/ml



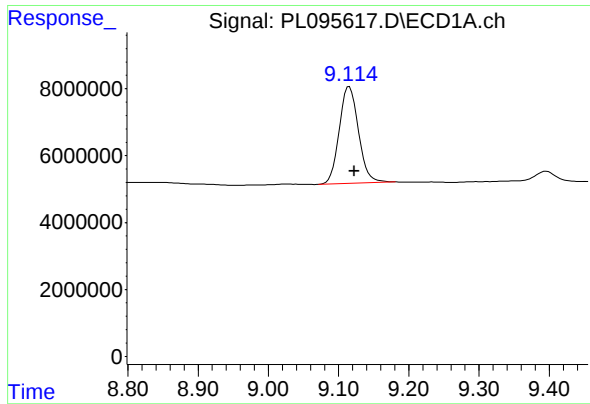
#21 Endrin ketone

R.T.: 7.672 min  
Delta R.T.: -0.007 min  
Response: 2651772  
Conc: 0.93 ng/ml



#21 Endrin ketone

R.T.: 6.999 min  
Delta R.T.: -0.005 min  
Response: 4910955  
Conc: 1.39 ng/ml



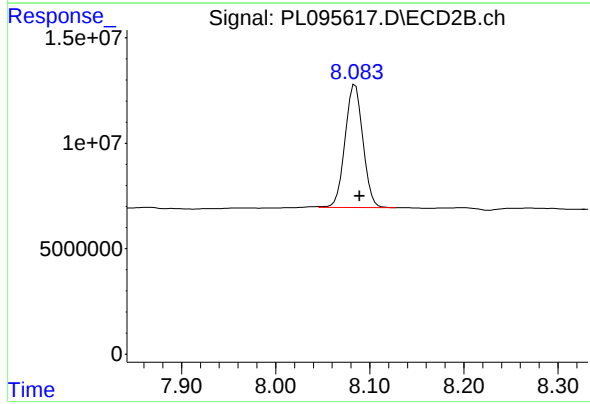
#28 Decachlorobiphenyl

R.T.: 9.115 min  
Delta R.T.: -0.007 min  
Response: 55153848  
Conc: 19.91 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

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#28 Decachlorobiphenyl

R.T.: 8.083 min  
Delta R.T.: -0.006 min  
Response: 76968851  
Conc: 26.01 ng/ml