

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL120223\  
 Data File : PL086916.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 01 Dec 2023 09:43  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Yogesh Patel 12/04/2023  
 Supervised By :Ankita Jodhani 12/04/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 01 21:24:48 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL112923.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Nov 29 06:35:04 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.343 | 2.610 | 61559001 | 16722369 | 19.254  | 18.387  |
| 28)                         | SA Decachlor... | 8.843 | 7.760 | 54157990 | 21345563 | 20.287  | 19.360  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.796 | 3.108 | 42609575 | 10768205 | 9.203   | 8.479   |
| 3)                          | MA gamma-BHC... | 4.128 | 3.435 | 40723702 | 10497091 | 9.309   | 8.591   |
| 6)                          | B beta-BHC      | 4.333 | 3.737 | 21103145 | 5782461  | 11.281  | 10.929  |
| 12)                         | B 4,4'-DDE      | 6.007 | 5.066 | 1135993  | 166653   | 0.376m  | 0.182m# |
| 14)                         | MA Endrin       | 6.375 | 5.458 | 134.9E6  | 44413022 | 52.347  | 52.696  |
| 16)                         | A 4,4'-DDD      | 6.527 | 5.624 | 3839810  | 889275   | 1.640m  | 1.151 # |
| 17)                         | MA 4,4'-DDT     | 6.842 | 5.873 | 276.4E6  | 93420698 | 107.699 | 115.840 |
| 18)                         | B Endrin al...  | 6.732 | 5.939 | 5879302  | 2553606  | 2.756   | 3.655 # |
| 20)                         | A Methoxychlor  | 7.328 | 6.458 | 352.2E6  | 131.8E6  | 266.689 | 256.104 |
| 21)                         | B Endrin ke...  | 7.447 | 6.663 | 8560503  | 3297050  | 2.863m  | 2.888m  |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 01 Dec 2023 09:43  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

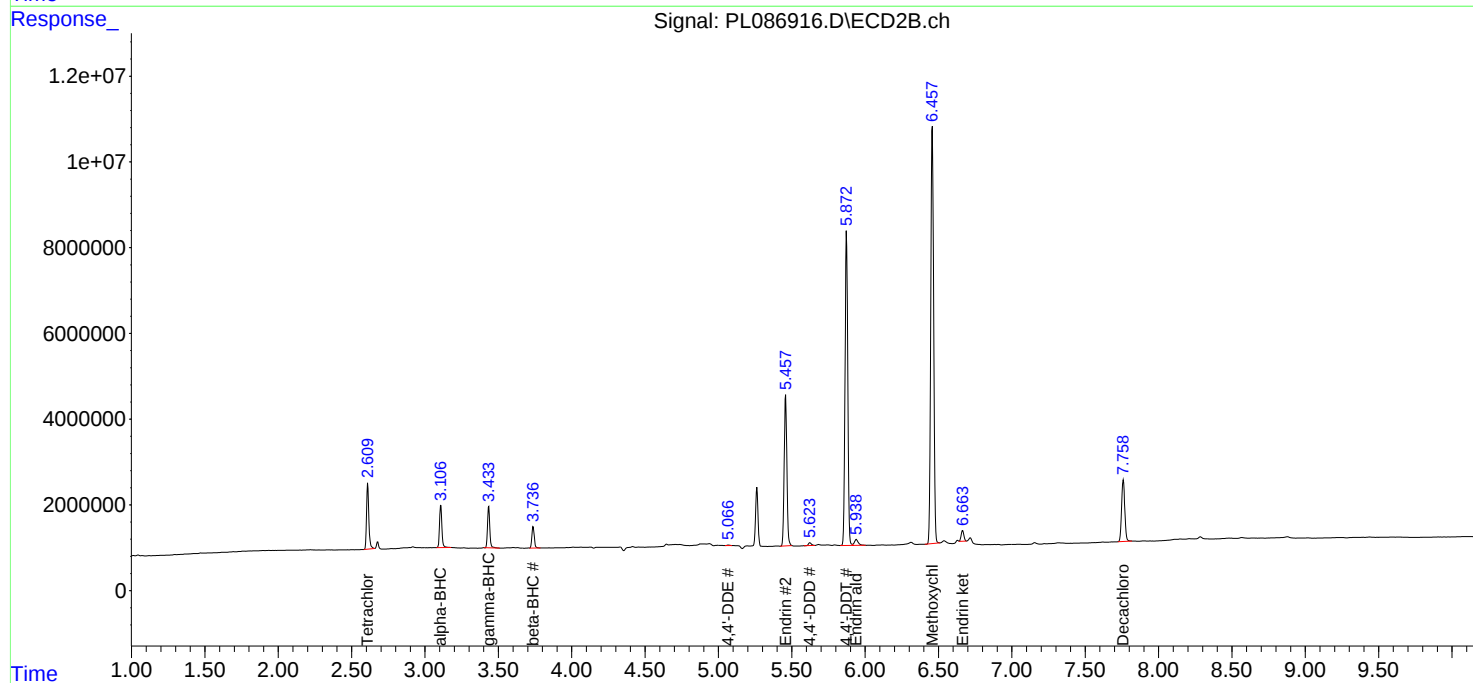
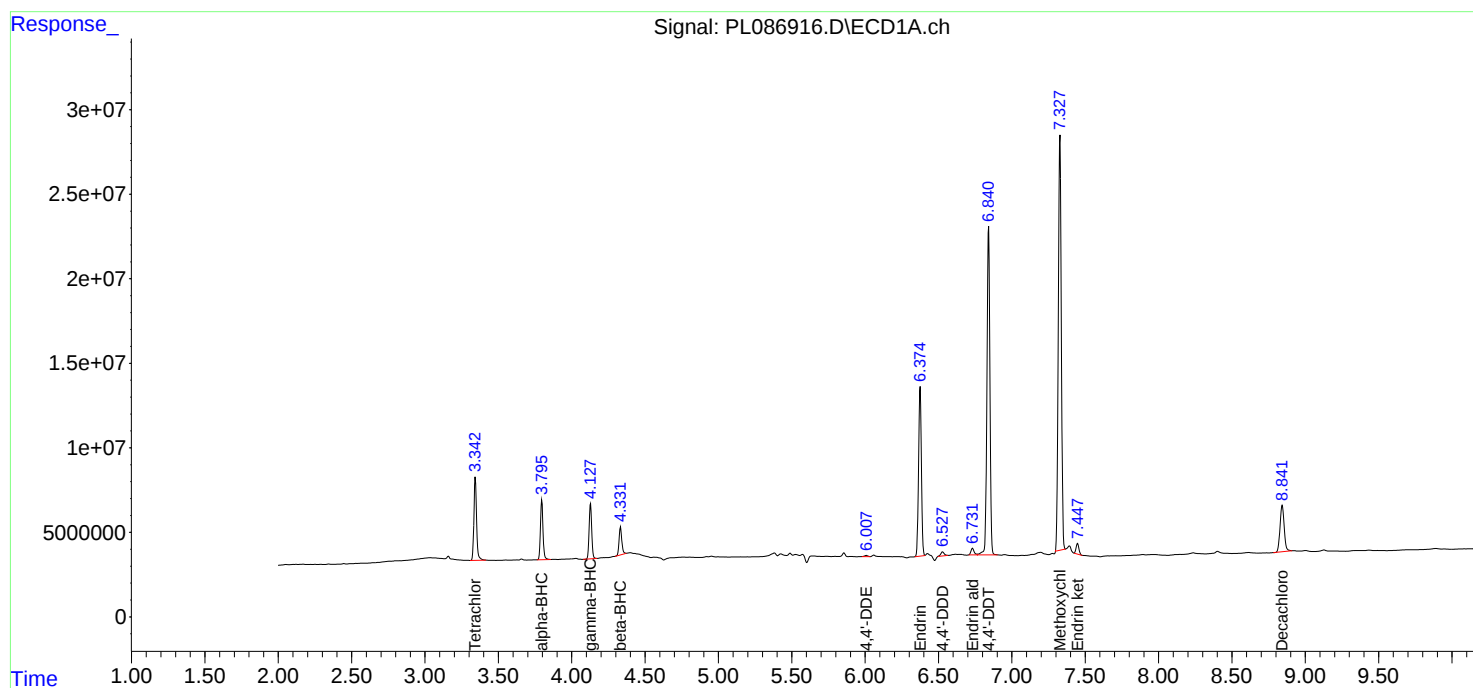
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

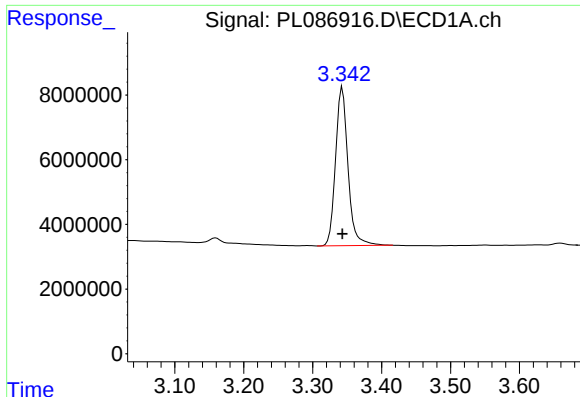
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Integration File signal 1: autoint1.e  
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Quant Time: Dec 01 21:24:48 2023  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL112923.M  
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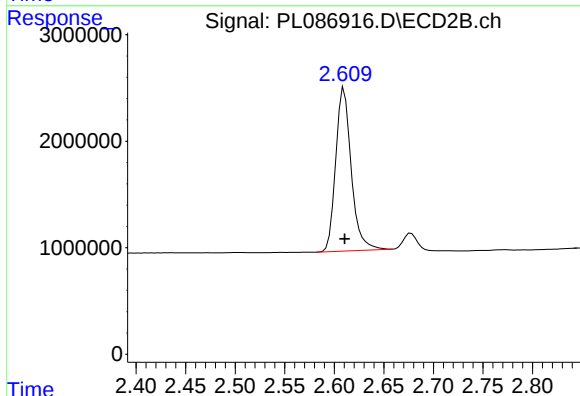
#1 Tetrachloro-m-xylene

R.T.: 3.343 min  
Delta R.T.: 0.000 min  
Response: 61559001  
Conc: 19.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

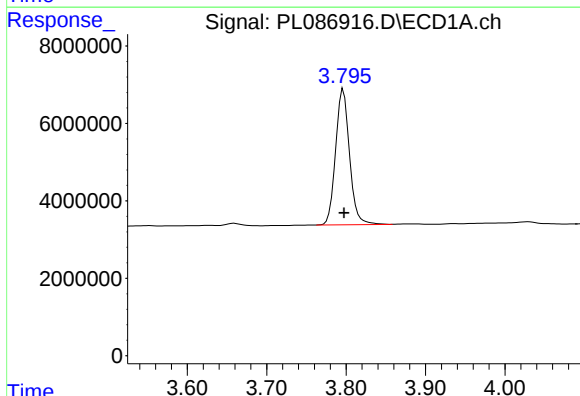
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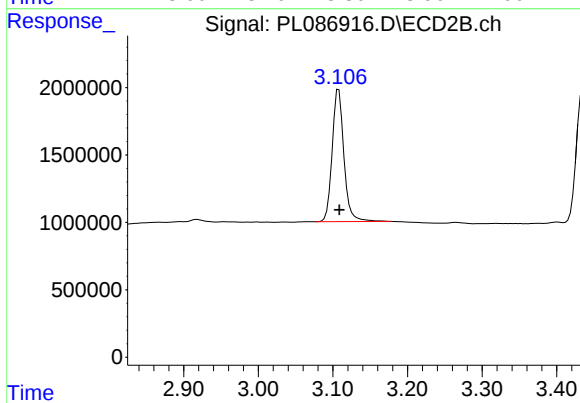
#1 Tetrachloro-m-xylene

R.T.: 2.610 min  
Delta R.T.: 0.000 min  
Response: 16722369  
Conc: 18.39 ng/ml



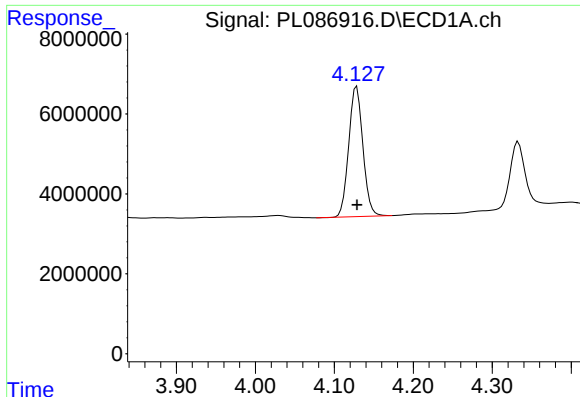
#2 alpha-BHC

R.T.: 3.796 min  
Delta R.T.: 0.000 min  
Response: 42609575  
Conc: 9.20 ng/ml



#2 alpha-BHC

R.T.: 3.108 min  
Delta R.T.: 0.000 min  
Response: 10768205  
Conc: 8.48 ng/ml



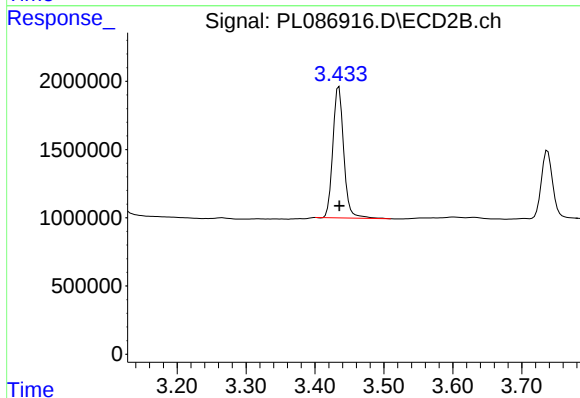
#3 gamma-BHC (Lindane)

R.T.: 4.128 min  
Delta R.T.: 0.000 min  
Response: 40723702  
Conc: 9.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

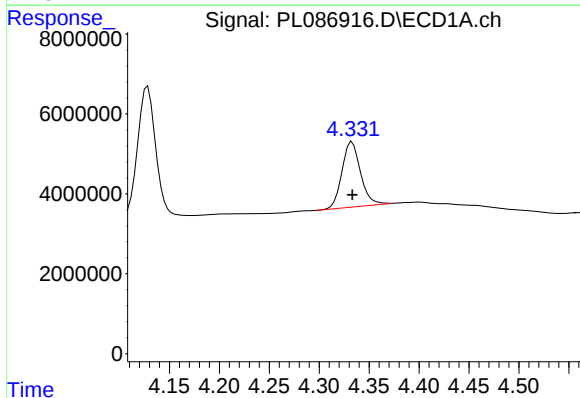
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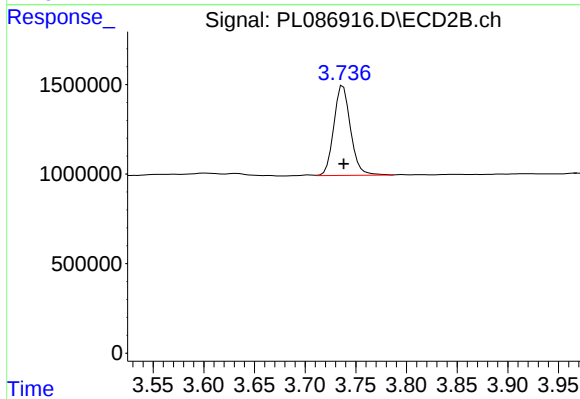
#3 gamma-BHC (Lindane)

R.T.: 3.435 min  
Delta R.T.: 0.000 min  
Response: 10497091  
Conc: 8.59 ng/ml



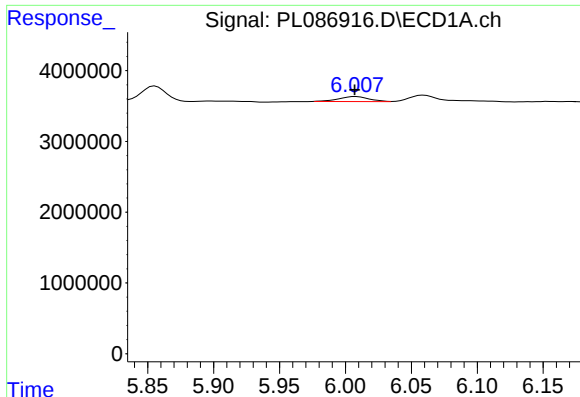
#6 beta-BHC

R.T.: 4.333 min  
Delta R.T.: 0.000 min  
Response: 21103145  
Conc: 11.28 ng/ml



#6 beta-BHC

R.T.: 3.737 min  
Delta R.T.: 0.000 min  
Response: 5782461  
Conc: 10.93 ng/ml



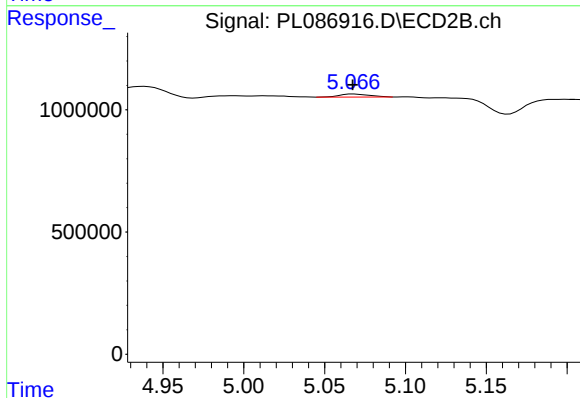
#12 4,4'-DDE

R.T.: 6.007 min  
Delta R.T.: 0.000 min  
Response: 1135993  
Conc: 0.38 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

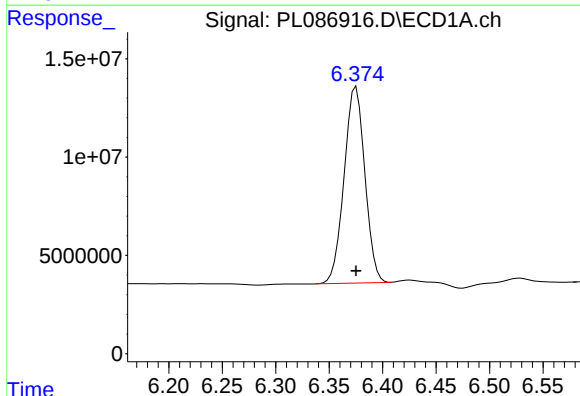
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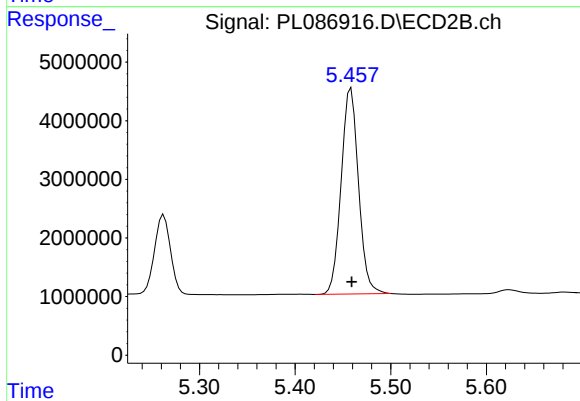
#12 4,4'-DDE

R.T.: 5.066 min  
Delta R.T.: -0.001 min  
Response: 166653  
Conc: 0.18 ng/ml m



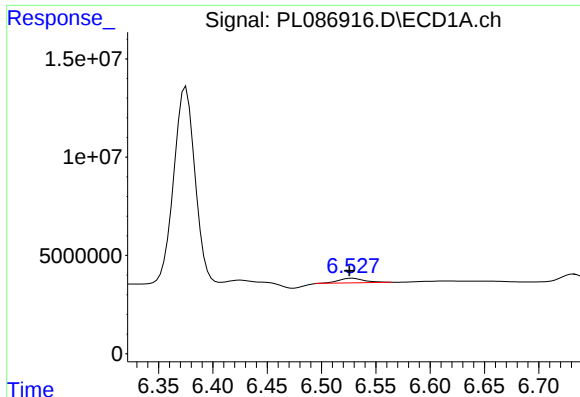
#14 Endrin

R.T.: 6.375 min  
Delta R.T.: 0.000 min  
Response: 134932089  
Conc: 52.35 ng/ml



#14 Endrin

R.T.: 5.458 min  
Delta R.T.: 0.000 min  
Response: 44413022  
Conc: 52.70 ng/ml



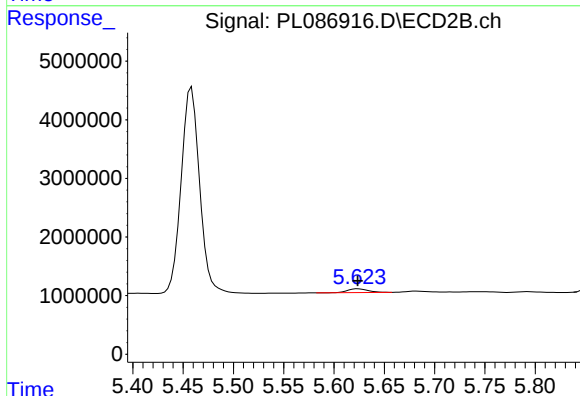
#16 4,4'-DDD

R.T.: 6.527 min  
Delta R.T.: 0.000 min  
Response: 3839810  
Conc: 1.64 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

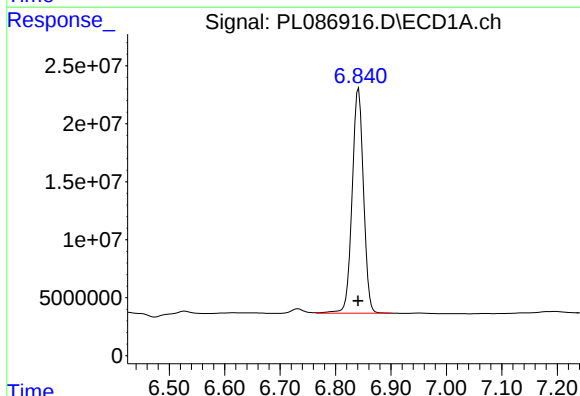
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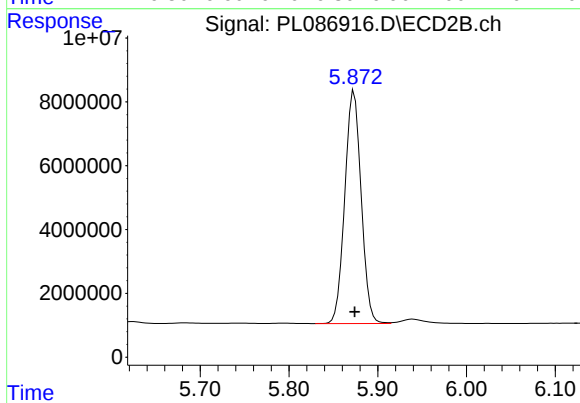
#16 4,4'-DDD

R.T.: 5.624 min  
Delta R.T.: 0.000 min  
Response: 889275  
Conc: 1.15 ng/ml



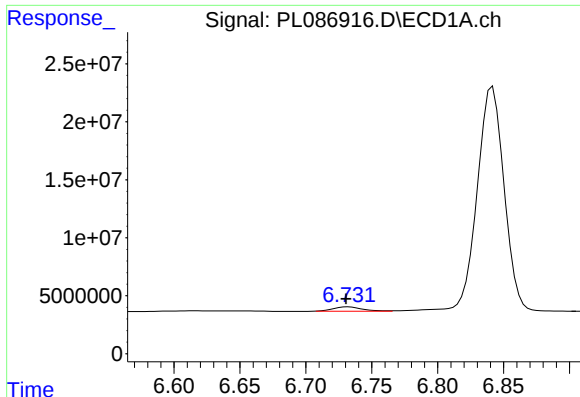
#17 4,4'-DDT

R.T.: 6.842 min  
Delta R.T.: 0.000 min  
Response: 276426117  
Conc: 107.70 ng/ml



#17 4,4'-DDT

R.T.: 5.873 min  
Delta R.T.: 0.000 min  
Response: 93420698  
Conc: 115.84 ng/ml



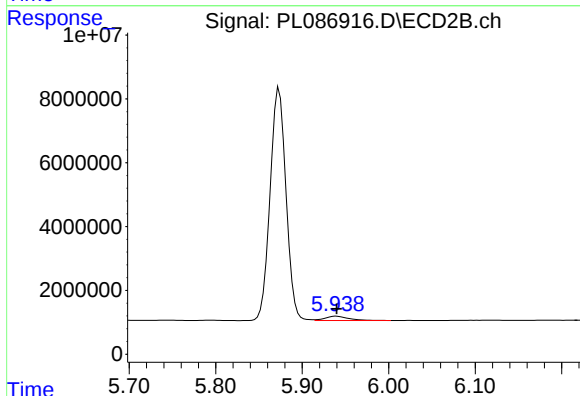
#18 Endrin aldehyde

R.T.: 6.732 min  
Delta R.T.: 0.002 min  
Response: 5879302  
Conc: 2.76 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

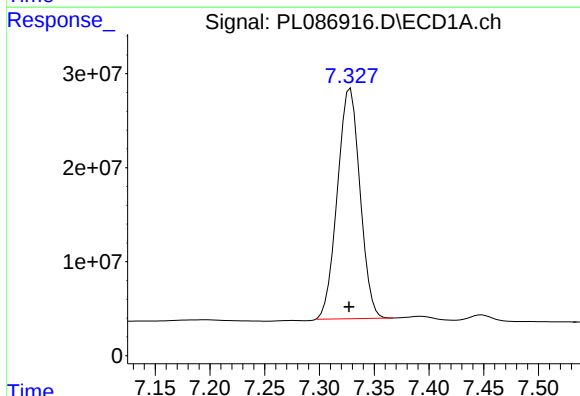
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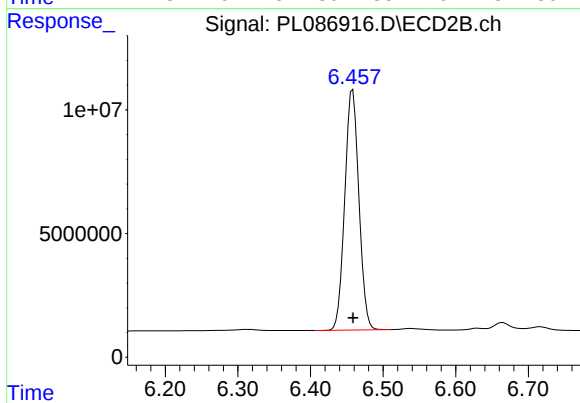
#18 Endrin aldehyde

R.T.: 5.939 min  
Delta R.T.: 0.000 min  
Response: 2553606  
Conc: 3.66 ng/ml



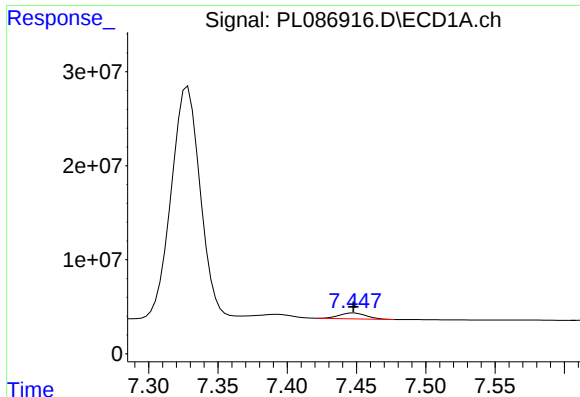
#20 Methoxychlor

R.T.: 7.328 min  
Delta R.T.: 0.001 min  
Response: 352157381  
Conc: 266.69 ng/ml



#20 Methoxychlor

R.T.: 6.458 min  
Delta R.T.: 0.000 min  
Response: 131821931  
Conc: 256.10 ng/ml



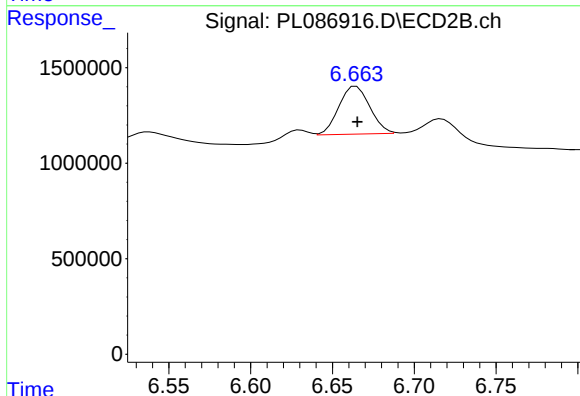
#21 Endrin ketone

R.T.: 7.447 min  
Delta R.T.: 0.000 min  
Response: 8560503  
Conc: 2.86 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

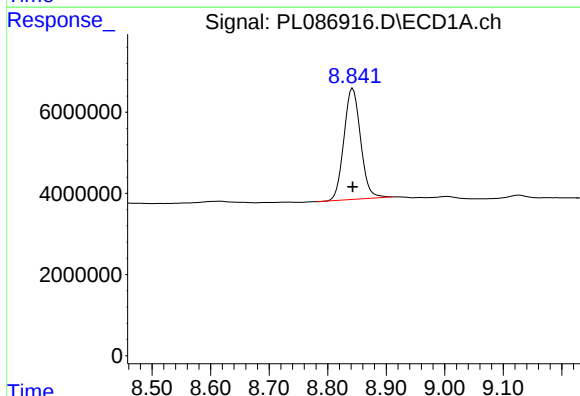
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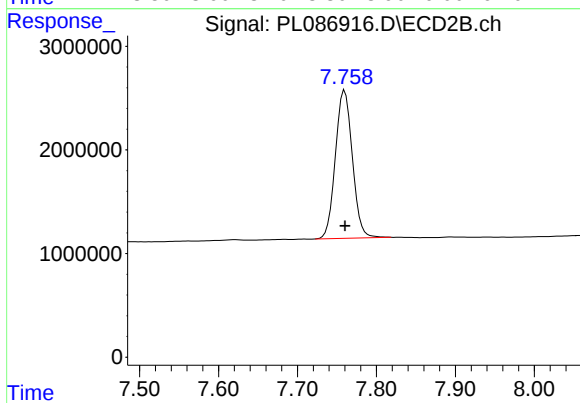
#21 Endrin ketone

R.T.: 6.663 min  
Delta R.T.: -0.002 min  
Response: 3297050  
Conc: 2.89 ng/ml m



#28 Decachlorobiphenyl

R.T.: 8.843 min  
Delta R.T.: 0.000 min  
Response: 54157990  
Conc: 20.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.760 min  
Delta R.T.: 0.000 min  
Response: 21345563  
Conc: 19.36 ng/ml