

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL080123\  
 Data File : PL084376.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 31 Jul 2023 14:36  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 08/01/2023  
 Supervised By : Ankita Jodhani 08/01/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Aug 01 05:30:27 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080123.M  
 Quant Title : GC Extractables  
 QLast Update : Mon Jul 31 17:26:06 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... | 3.482 | 2.688 | 42235069 | 20579936 | 18.279   | 18.824  |
| 28)                         | SA Decachlor... | 9.032 | 7.873 | 30139805 | 24244311 | 19.625   | 19.827  |
| Target Compounds            |                 |       |       |          |          |          |         |
| 2)                          | A alpha-BHC     | 3.941 | 3.193 | 29675265 | 14060687 | 8.702    | 8.585   |
| 3)                          | MA gamma-BHC... | 4.275 | 3.524 | 29416647 | 13243186 | 8.992    | 8.309   |
| 6)                          | B beta-BHC      | 4.474 | 3.826 | 13271383 | 6753873  | 9.193    | 9.730   |
| 12)                         | B 4,4'-DDE      | 6.155 | 5.168 | 291755   | 135174   | 0.128m   | 0.107m  |
| 14)                         | MA Endrin       | 6.531 | 5.566 | 92363512 | 55687533 | 42.014   | 44.405  |
| 16)                         | A 4,4'-DDD      | 6.672 | 5.725 | 476237   | 171879   | 0.291m   | 0.164m# |
| 17)                         | MA 4,4'-DDT     | 6.989 | 5.979 | 166.0E6  | 117.6E6  | 93.221   | 98.692  |
| 18)                         | B Endrin al...  | 6.883 | 6.046 | 1891331  | 1951822  | 1.145    | 1.938 # |
| 20)                         | A Methoxychlor  | 7.469 | 6.563 | 198.1E6  | 155.4E6  | 214.455m | 221.766 |
| 21)                         | B Endrin ke...  | 7.600 | 6.772 | 2850971  | 2509341  | 1.432m   | 1.710m  |
| -----                       |                 |       |       |          |          |          |         |

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

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Acq On : 31 Jul 2023 14:36  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

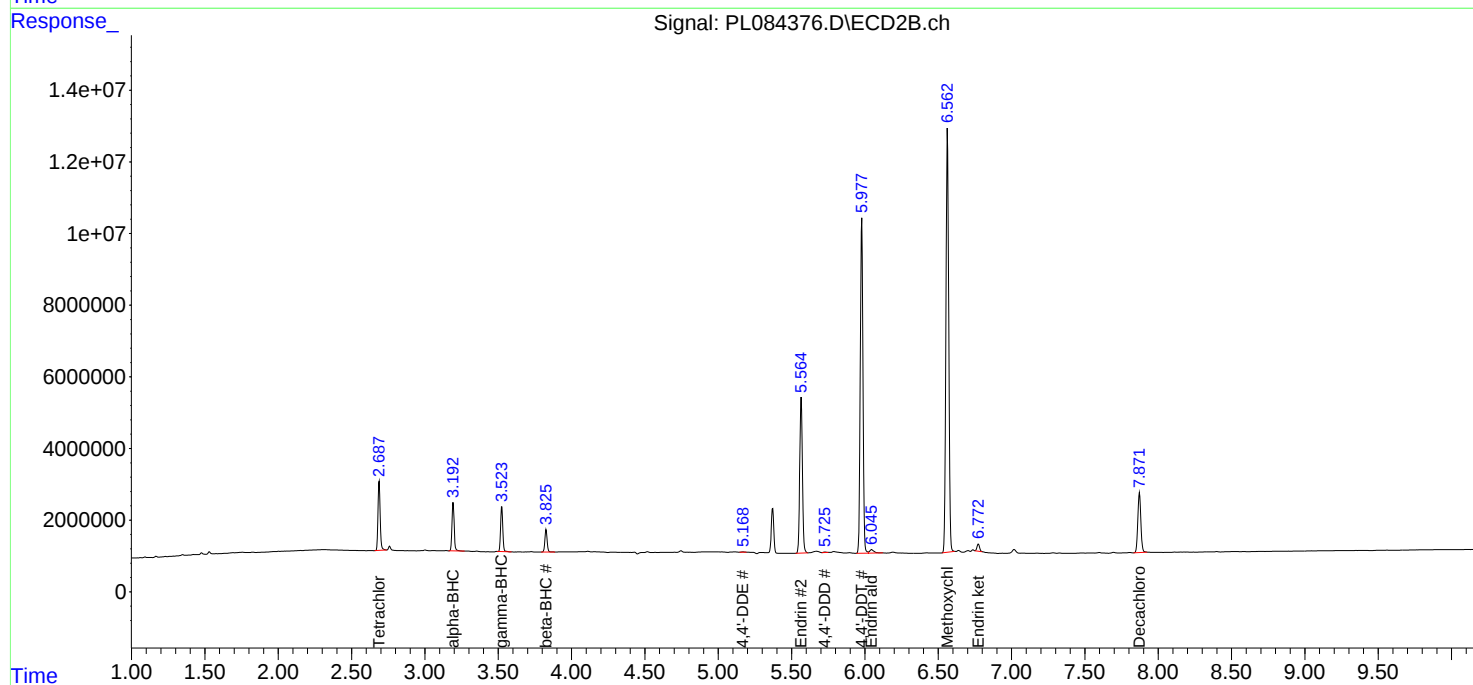
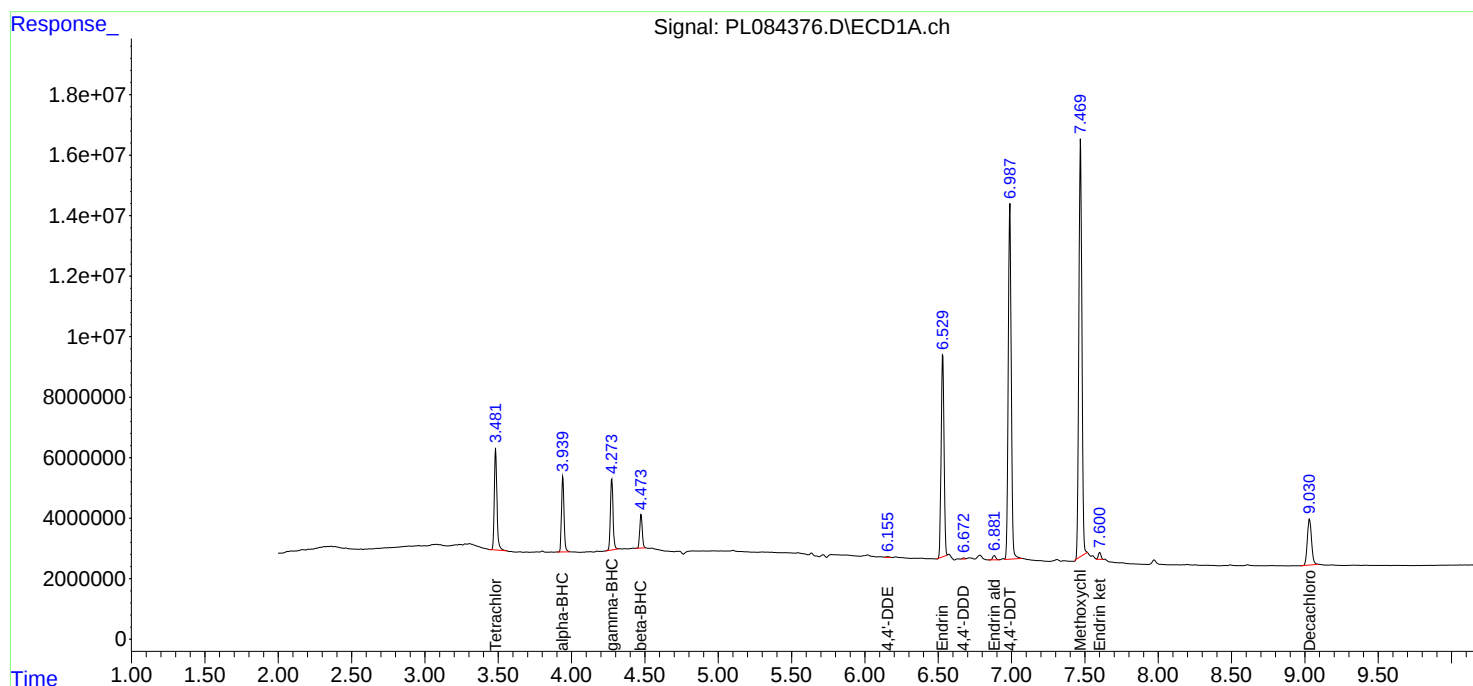
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

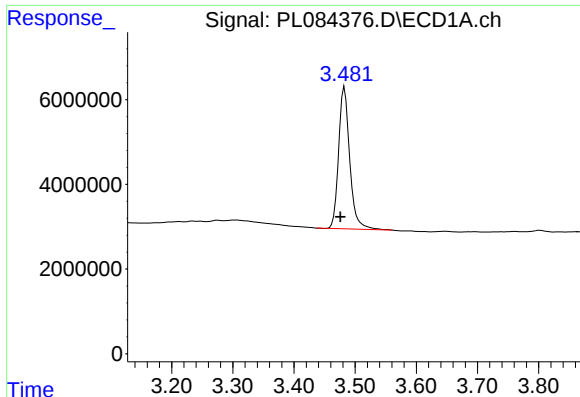
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL080123.M  
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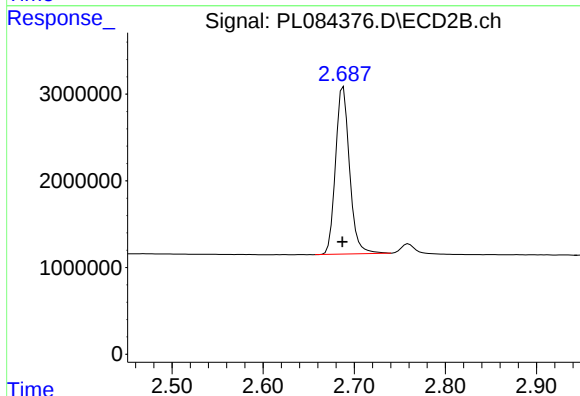
#1 Tetrachloro-m-xylene

R.T.: 3.482 min  
Delta R.T.: 0.006 min  
Response: 42235069  
Conc: 18.28 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

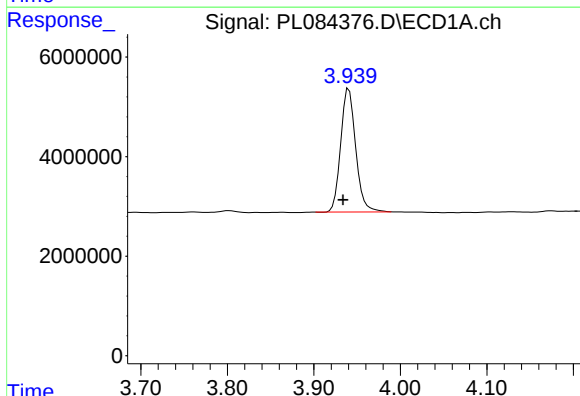
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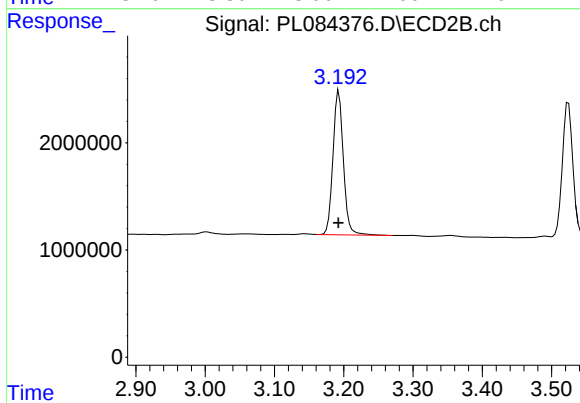
#1 Tetrachloro-m-xylene

R.T.: 2.688 min  
Delta R.T.: 0.001 min  
Response: 20579936  
Conc: 18.82 ng/ml



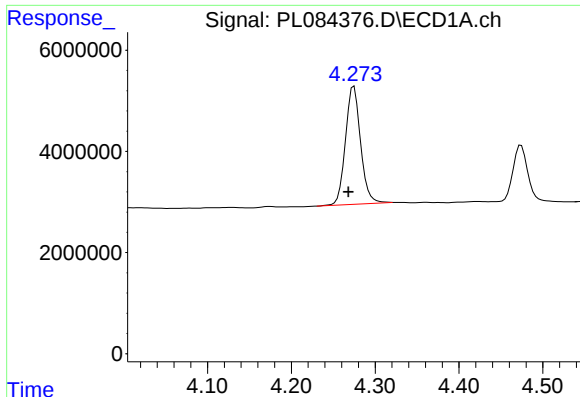
#2 alpha-BHC

R.T.: 3.941 min  
Delta R.T.: 0.007 min  
Response: 29675265  
Conc: 8.70 ng/ml



#2 alpha-BHC

R.T.: 3.193 min  
Delta R.T.: 0.000 min  
Response: 14060687  
Conc: 8.58 ng/ml



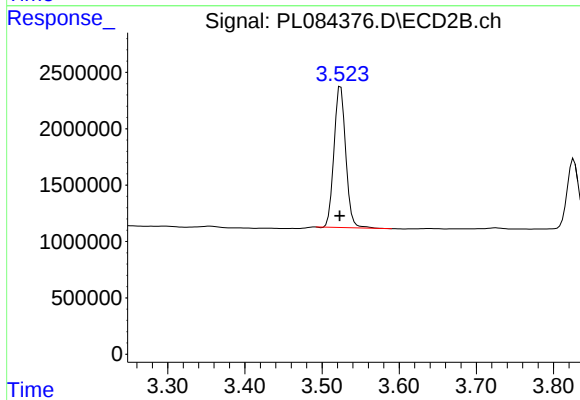
#3 gamma-BHC (Lindane)

R.T.: 4.275 min  
Delta R.T.: 0.007 min  
Response: 29416647  
Conc: 8.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

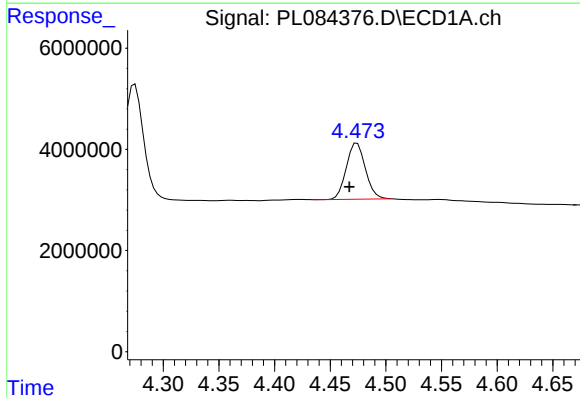
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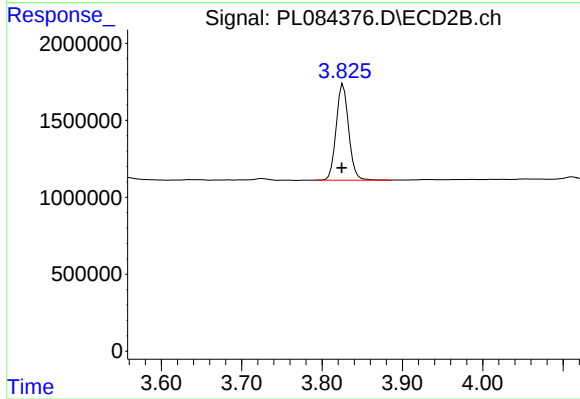
#3 gamma-BHC (Lindane)

R.T.: 3.524 min  
Delta R.T.: 0.001 min  
Response: 13243186  
Conc: 8.31 ng/ml



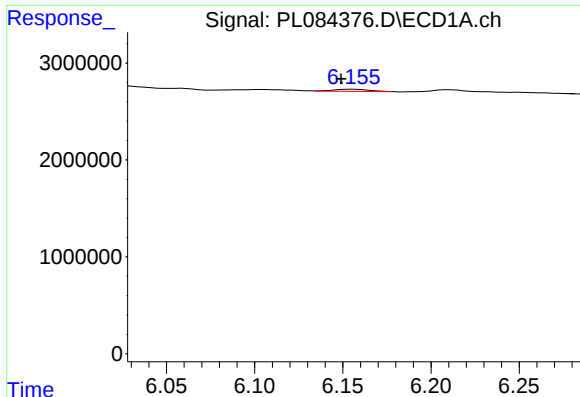
#6 beta-BHC

R.T.: 4.474 min  
Delta R.T.: 0.007 min  
Response: 13271383  
Conc: 9.19 ng/ml



#6 beta-BHC

R.T.: 3.826 min  
Delta R.T.: 0.002 min  
Response: 6753873  
Conc: 9.73 ng/ml



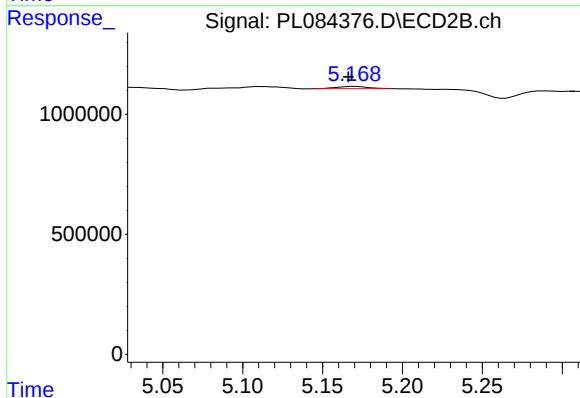
#12 4,4'-DDE

R.T.: 6.155 min  
Delta R.T.: 0.006 min  
Response: 291755  
Conc: 0.13 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

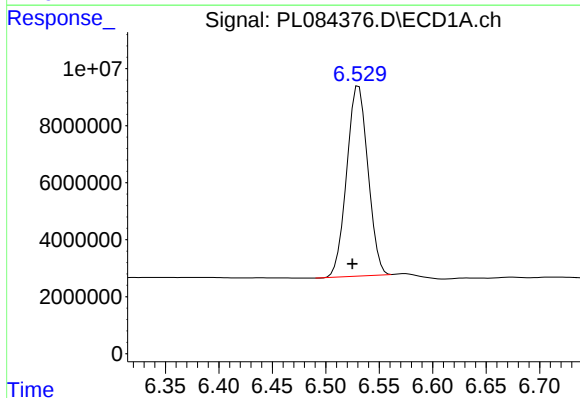
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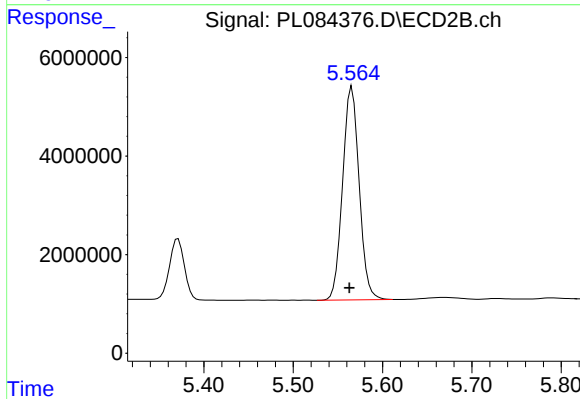
#12 4,4'-DDE

R.T.: 5.168 min  
Delta R.T.: 0.002 min  
Response: 135174  
Conc: 0.11 ng/ml m



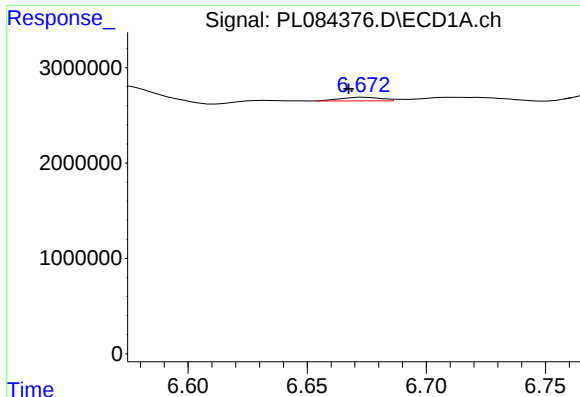
#14 Endrin

R.T.: 6.531 min  
Delta R.T.: 0.006 min  
Response: 92363512  
Conc: 42.01 ng/ml



#14 Endrin

R.T.: 5.566 min  
Delta R.T.: 0.003 min  
Response: 55687533  
Conc: 44.41 ng/ml



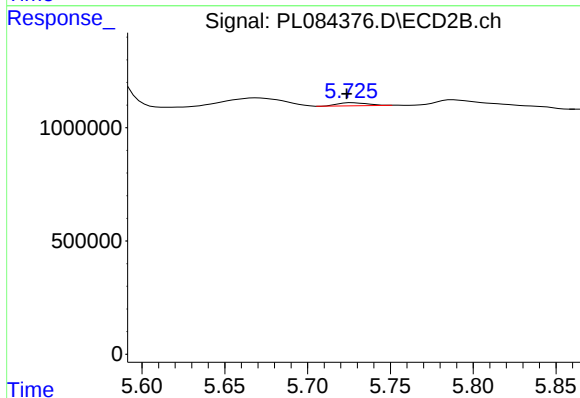
#16 4,4'-DDD

R.T.: 6.672 min  
Delta R.T.: 0.005 min  
Response: 476237  
Conc: 0.29 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

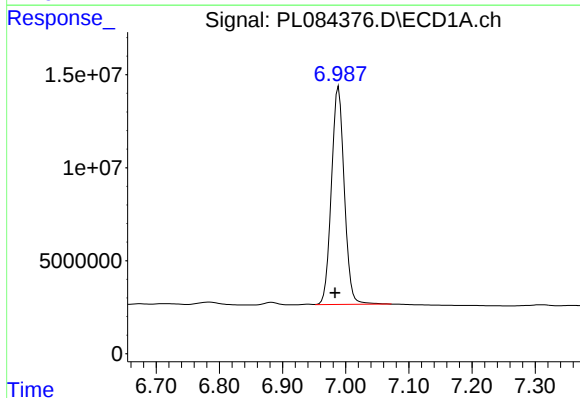
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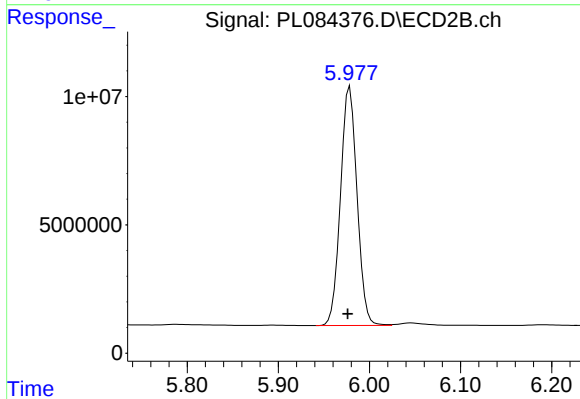
#16 4,4'-DDD

R.T.: 5.725 min  
Delta R.T.: 0.000 min  
Response: 171879  
Conc: 0.16 ng/ml m



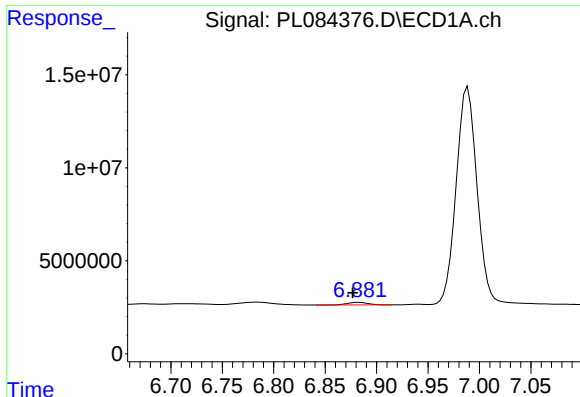
#17 4,4'-DDT

R.T.: 6.989 min  
Delta R.T.: 0.005 min  
Response: 166046006  
Conc: 93.22 ng/ml



#17 4,4'-DDT

R.T.: 5.979 min  
Delta R.T.: 0.002 min  
Response: 117572386  
Conc: 98.69 ng/ml



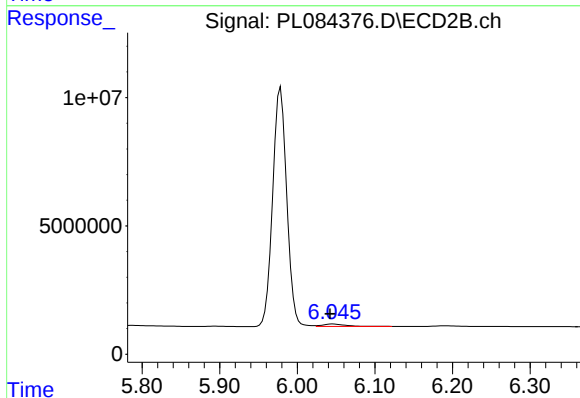
#18 Endrin aldehyde

R.T.: 6.883 min  
Delta R.T.: 0.006 min  
Response: 1891331  
Conc: 1.14 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

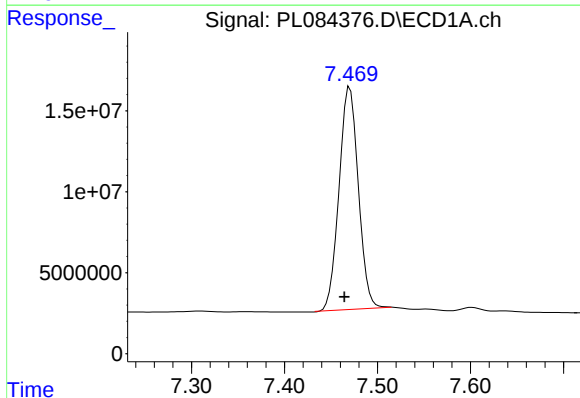
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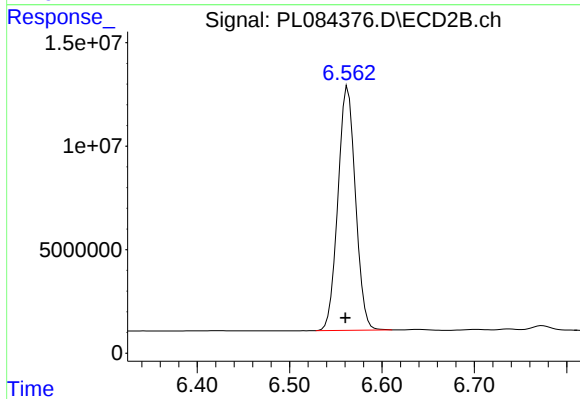
#18 Endrin aldehyde

R.T.: 6.046 min  
Delta R.T.: 0.004 min  
Response: 1951822  
Conc: 1.94 ng/ml



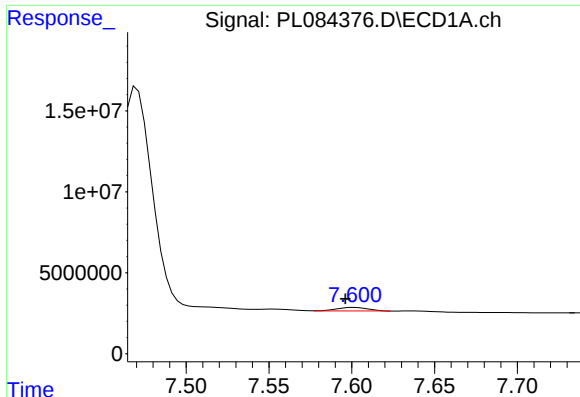
#20 Methoxychlor

R.T.: 7.469 min  
Delta R.T.: 0.004 min  
Response: 198074509  
Conc: 214.46 ng/ml m



#20 Methoxychlor

R.T.: 6.563 min  
Delta R.T.: 0.003 min  
Response: 155364886  
Conc: 221.77 ng/ml



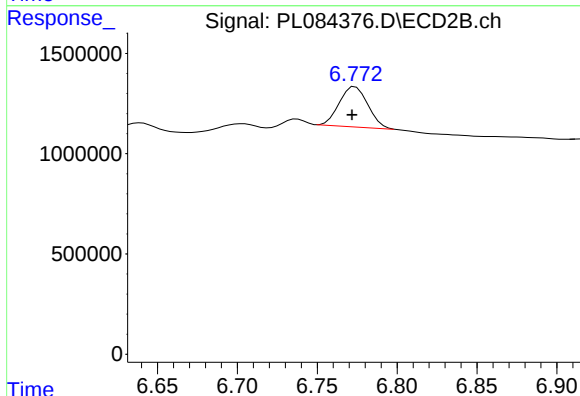
#21 Endrin ketone

R.T.: 7.600 min  
Delta R.T.: 0.004 min  
Response: 2850971  
Conc: 1.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

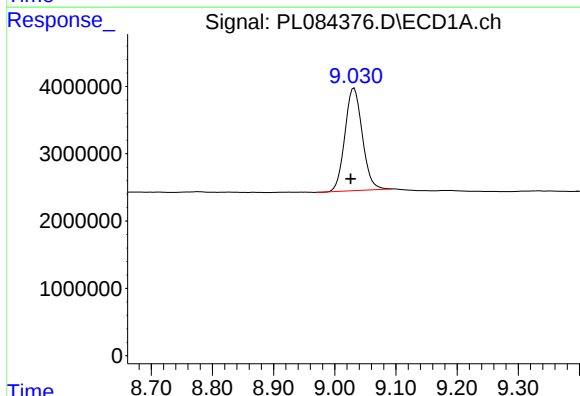
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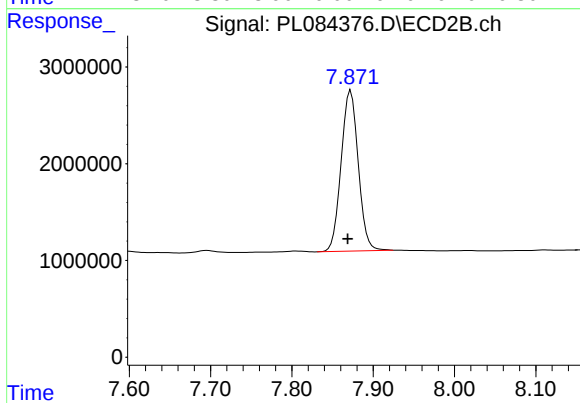
#21 Endrin ketone

R.T.: 6.772 min  
Delta R.T.: 0.000 min  
Response: 2509341  
Conc: 1.71 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.032 min  
Delta R.T.: 0.005 min  
Response: 30139805  
Conc: 19.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.873 min  
Delta R.T.: 0.004 min  
Response: 24244311  
Conc: 19.83 ng/ml