

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD101824\  
 Data File : PD086095.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 17 Oct 2024 08:53  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 10/18/2024  
 Supervised By : Ankita Jodhani 10/18/2024

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Oct 18 02:42:22 2024  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD101124.M  
 Quant Title : GC Extractables  
 QLast Update : Fri Oct 11 13:57:25 2024  
 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.442 | 2.877 | 25000696 | 136.4E6  | 20.593  | 21.850  |
| 28)                         | SA Decachlor... | 8.897 | 8.057 | 41436897 | 121.6E6  | 19.189  | 22.820  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.885 | 3.385 | 20295226 | 104.6E6  | 9.374   | 11.451  |
| 3)                          | MA gamma-BHC... | 4.212 | 3.720 | 21273971 | 94618171 | 9.580   | 11.032  |
| 6)                          | B beta-BHC      | 4.399 | 4.014 | 9925462  | 45340610 | 11.149  | 12.287  |
| 12)                         | B 4,4'-DDE      | 6.073 | 5.362 | 402938   | 3053005  | 0.233   | 0.449 # |
| 14)                         | MA Endrin       | 6.442 | 5.775 | 79048335 | 298.6E6  | 46.412  | 47.995  |
| 16)                         | A 4,4'-DDD      | 6.578 | 5.914 | 3869932  | 19717784 | 2.829   | 3.801 # |
| 17)                         | MA 4,4'-DDT     | 6.893 | 6.169 | 153.0E6  | 549.4E6  | 102.844 | 104.060 |
| 18)                         | B Endrin al...  | 6.784 | 6.244 | 2805985  | 14815385 | 1.856   | 2.825m# |
| 20)                         | A Methoxychlor  | 7.366 | 6.739 | 211.5E6  | 589.3E6  | 234.723 | 220.428 |
| 21)                         | B Endrin ke...  | 7.495 | 6.979 | 5158746  | 28737781 | 2.682   | 4.155 # |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 17 Oct 2024 08:53  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

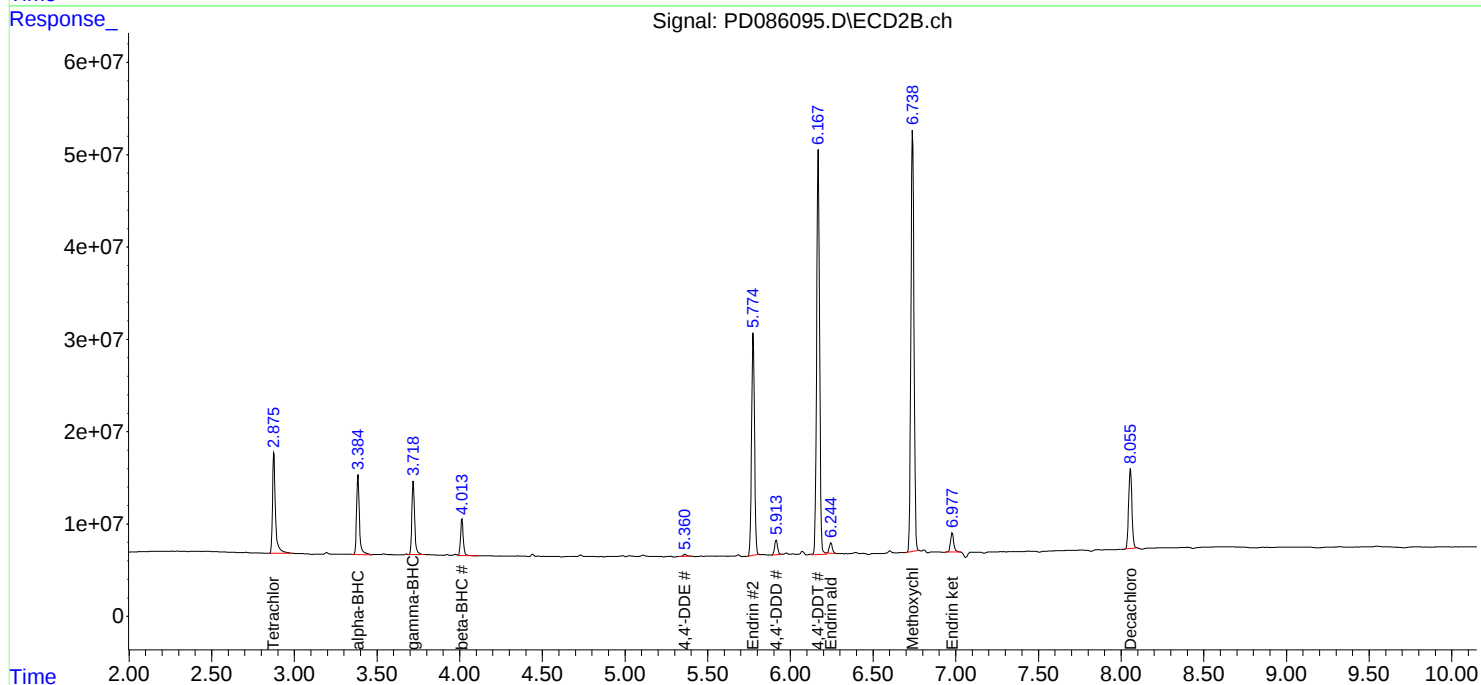
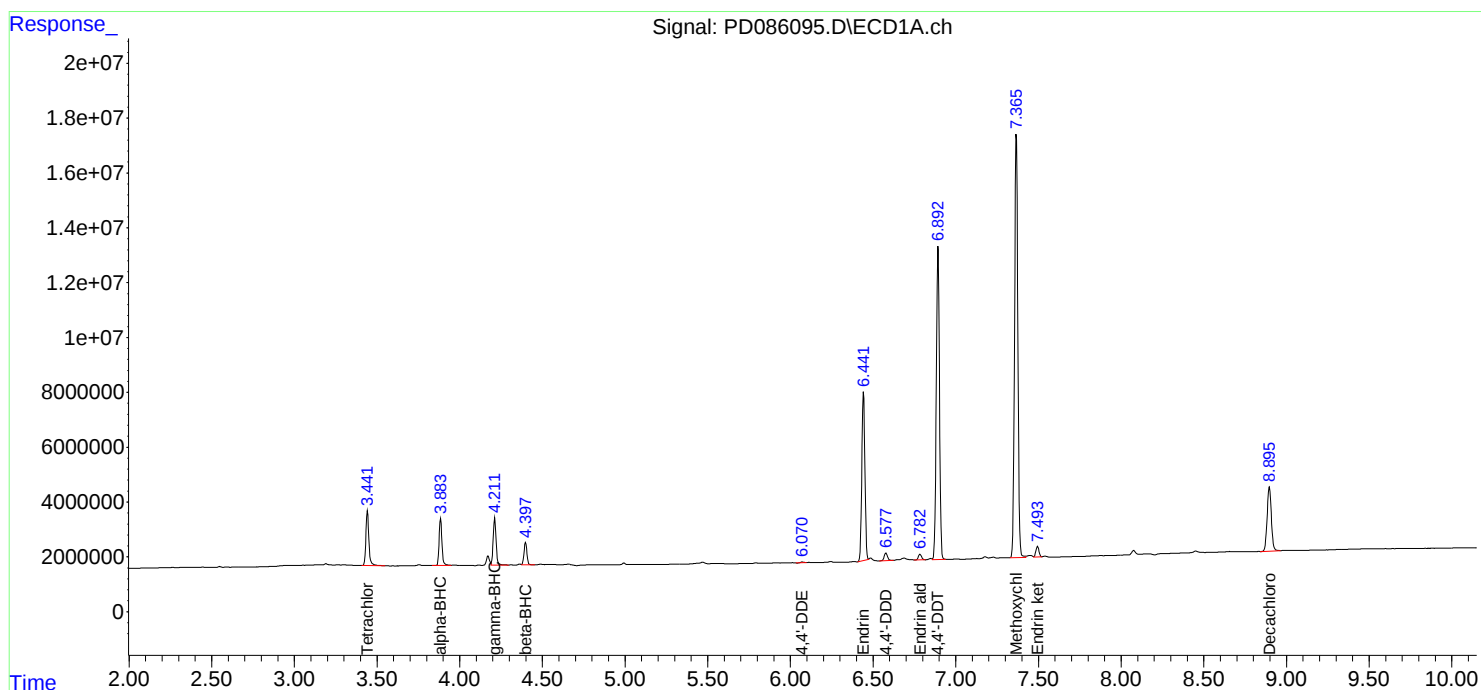
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

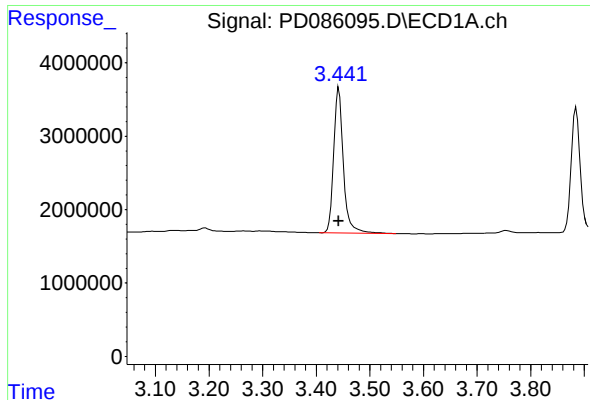
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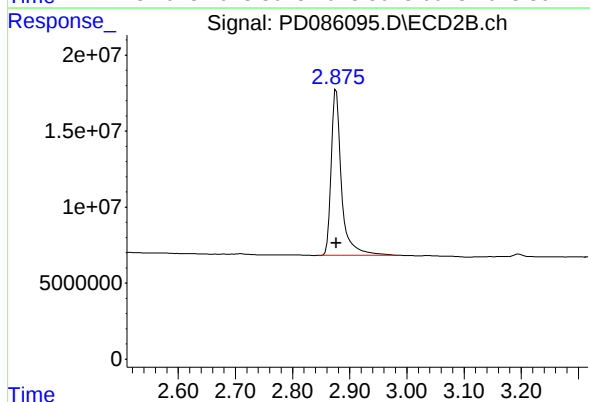
#1 Tetrachloro-m-xylene

R.T.: 3.442 min  
Delta R.T.: 0.000 min  
Response: 25000696  
Conc: 20.59 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

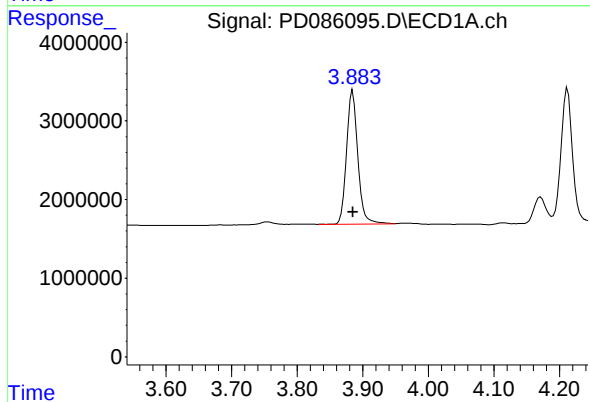
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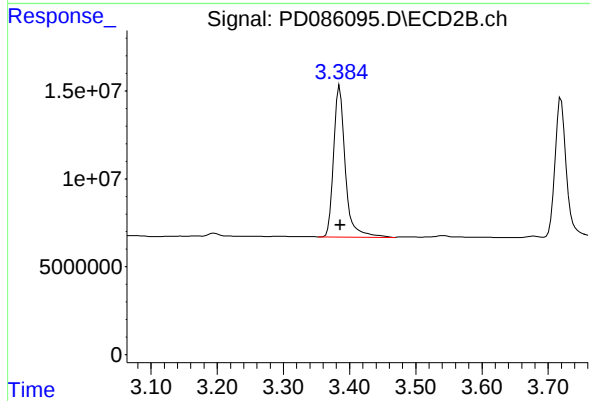
#1 Tetrachloro-m-xylene

R.T.: 2.877 min  
Delta R.T.: 0.000 min  
Response: 136405132  
Conc: 21.85 ng/ml



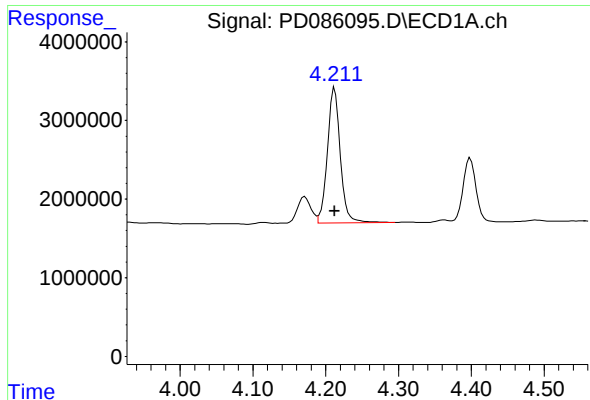
#2 alpha-BHC

R.T.: 3.885 min  
Delta R.T.: 0.000 min  
Response: 20295226  
Conc: 9.37 ng/ml



#2 alpha-BHC

R.T.: 3.385 min  
Delta R.T.: 0.000 min  
Response: 104632003  
Conc: 11.45 ng/ml



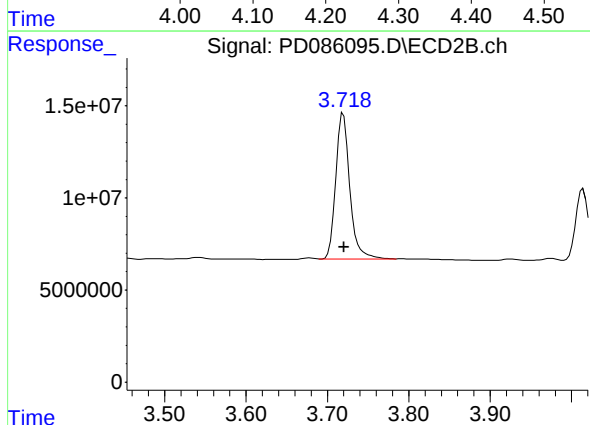
#3 gamma-BHC (Lindane)

R.T.: 4.212 min  
Delta R.T.: 0.000 min  
Response: 21273971  
Conc: 9.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

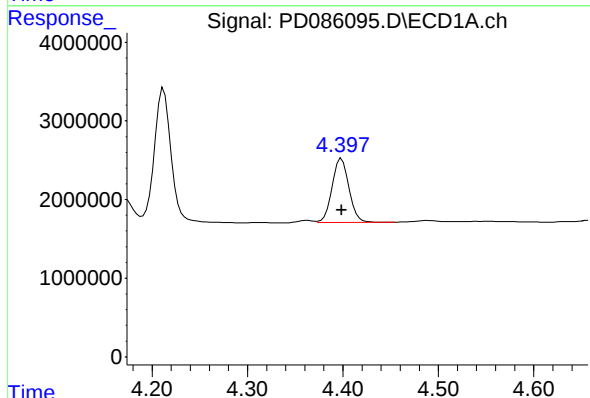
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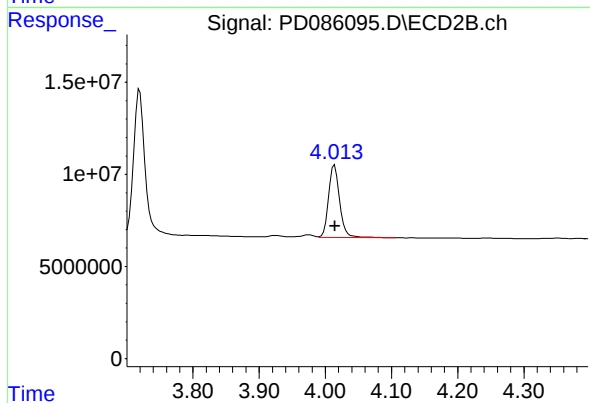
#3 gamma-BHC (Lindane)

R.T.: 3.720 min  
Delta R.T.: 0.000 min  
Response: 94618171  
Conc: 11.03 ng/ml



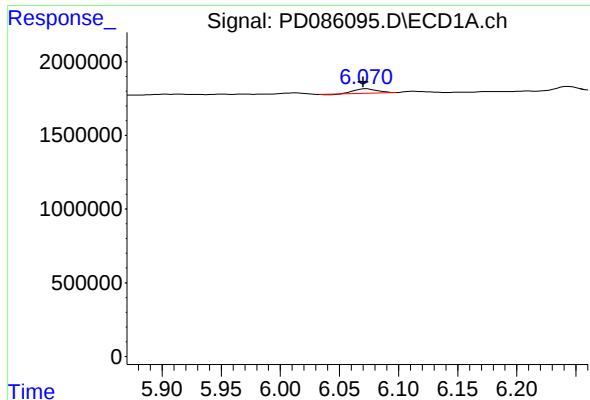
#6 beta-BHC

R.T.: 4.399 min  
Delta R.T.: 0.000 min  
Response: 9925462  
Conc: 11.15 ng/ml



#6 beta-BHC

R.T.: 4.014 min  
Delta R.T.: 0.000 min  
Response: 45340610  
Conc: 12.29 ng/ml



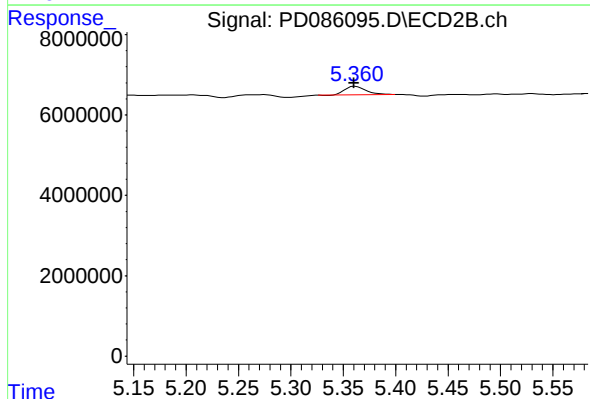
#12 4,4'-DDE

R.T.: 6.073 min  
Delta R.T.: 0.003 min  
Response: 402938  
Conc: 0.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

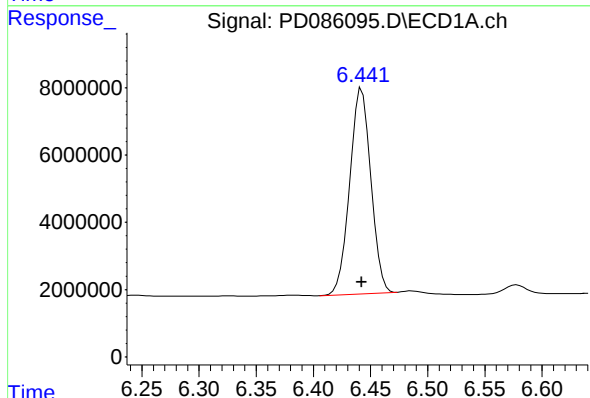
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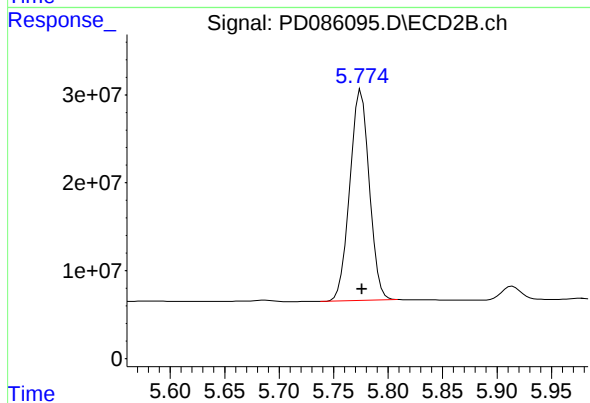
#12 4,4'-DDE

R.T.: 5.362 min  
Delta R.T.: 0.001 min  
Response: 3053005  
Conc: 0.45 ng/ml



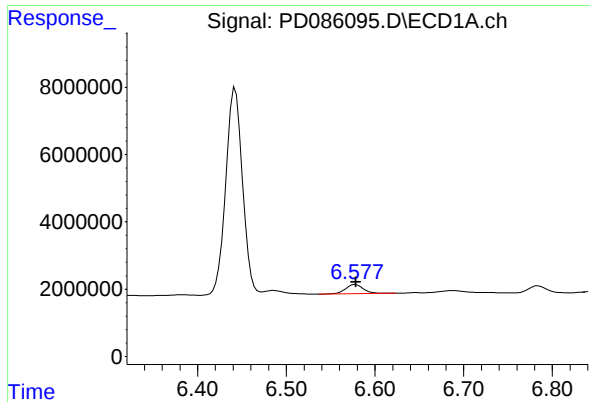
#14 Endrin

R.T.: 6.442 min  
Delta R.T.: 0.000 min  
Response: 79048335  
Conc: 46.41 ng/ml



#14 Endrin

R.T.: 5.775 min  
Delta R.T.: 0.000 min  
Response: 298556139  
Conc: 47.99 ng/ml



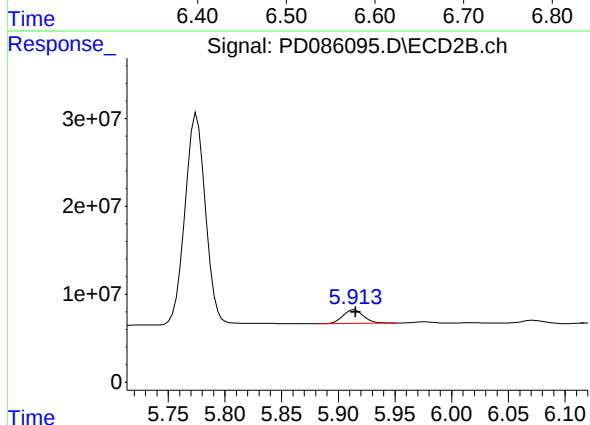
#16 4,4'-DDD

R.T.: 6.578 min  
Delta R.T.: 0.000 min  
Response: 3869932  
Conc: 2.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

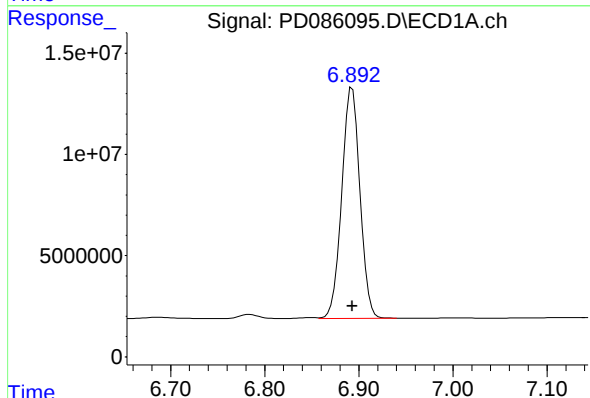
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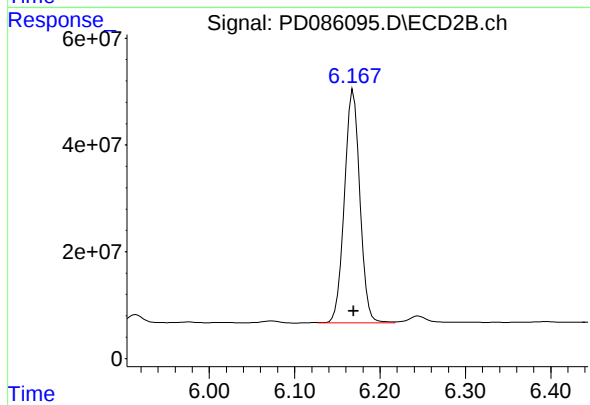
#16 4,4'-DDD

R.T.: 5.914 min  
Delta R.T.: -0.001 min  
Response: 19717784  
Conc: 3.80 ng/ml



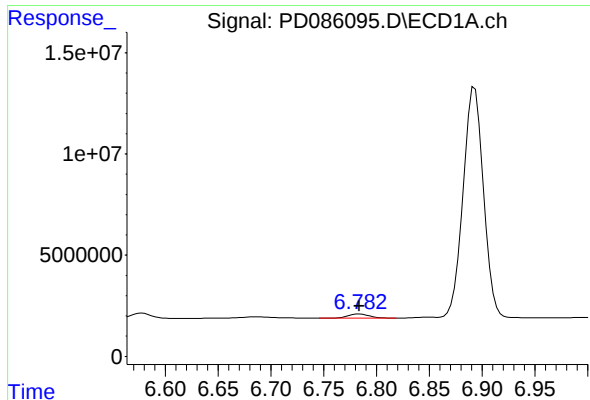
#17 4,4'-DDT

R.T.: 6.893 min  
Delta R.T.: 0.000 min  
Response: 152994446  
Conc: 102.84 ng/ml



#17 4,4'-DDT

R.T.: 6.169 min  
Delta R.T.: 0.000 min  
Response: 549431655  
Conc: 104.06 ng/ml



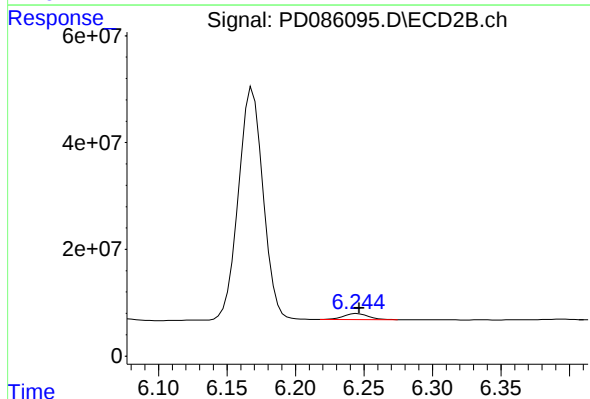
#18 Endrin aldehyde

R.T.: 6.784 min  
Delta R.T.: 0.000 min  
Response: 2805985  
Conc: 1.86 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

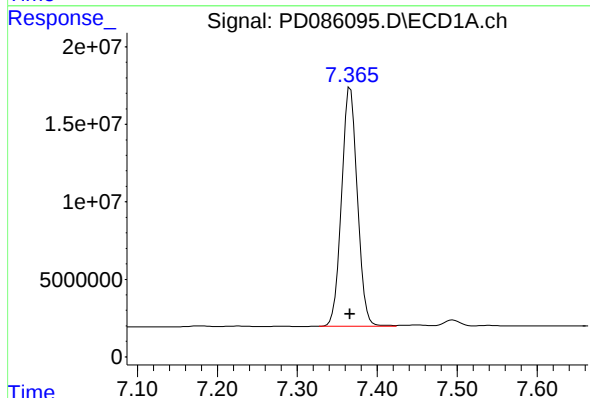
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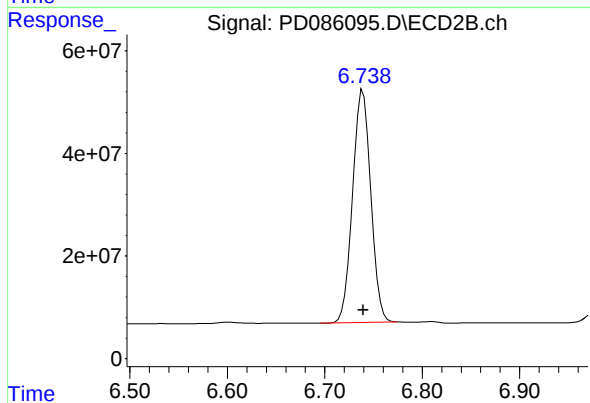
#18 Endrin aldehyde

R.T.: 6.244 min  
Delta R.T.: -0.003 min  
Response: 14815385  
Conc: 2.83 ng/ml



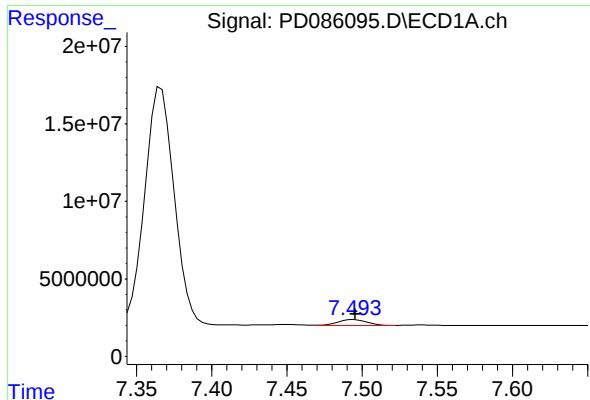
#20 Methoxychlor

R.T.: 7.366 min  
Delta R.T.: 0.000 min  
Response: 211502227  
Conc: 234.72 ng/ml



#20 Methoxychlor

R.T.: 6.739 min  
Delta R.T.: 0.000 min  
Response: 589293064  
Conc: 220.43 ng/ml



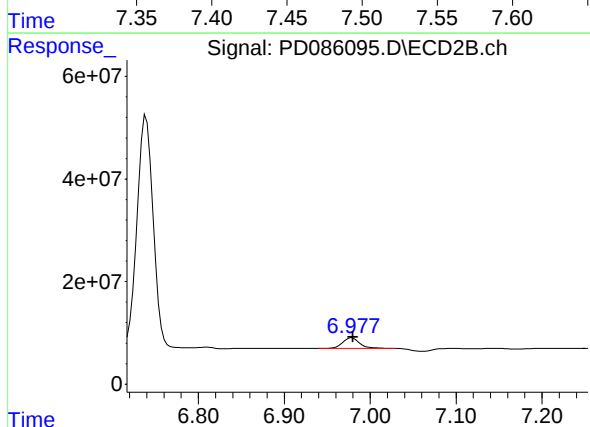
#21 Endrin ketone

R.T.: 7.495 min  
Delta R.T.: 0.000 min  
Response: 5158746  
Conc: 2.68 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

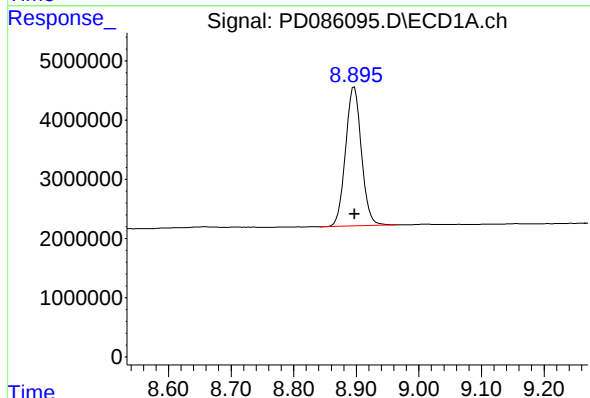
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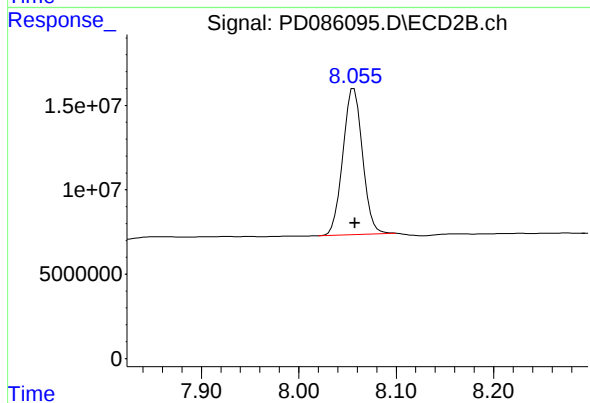
#21 Endrin ketone

R.T.: 6.979 min  
Delta R.T.: -0.001 min  
Response: 28737781  
Conc: 4.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.897 min  
Delta R.T.: 0.000 min  
Response: 41436897  
Conc: 19.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min  
Delta R.T.: 0.000 min  
Response: 121552992  
Conc: 22.82 ng/ml