

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042325\  
 Data File : PL095327.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 23 Apr 2025 11:04  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 04/24/2025  
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 23 14:09:20 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
 Quant Title : GC Extractables  
 QLast Update : Wed Apr 23 14:07:39 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...          | 3.594 | 2.905 | 73541125 | 72472220 | 22.526  | 22.792  |
| 28) SA Decachlor...         | 9.122 | 8.089 | 65094644 | 68362526 | 23.493  | 23.101  |
| Target Compounds            |       |       |          |          |         |         |
| 2) A alpha-BHC              | 4.045 | 3.415 | 54247618 | 49140358 | 10.951  | 11.046  |
| 3) MA gamma-BHC...          | 4.375 | 3.748 | 53220046 | 48800893 | 11.242m | 11.096  |
| 6) B beta-BHC               | 4.563 | 4.042 | 22651669 | 23957368 | 10.956  | 11.541  |
| 14) MA Endrin               | 6.622 | 5.806 | 174.6E6  | 208.2E6  | 54.830  | 57.181  |
| 16) A 4,4'-DDD              | 6.747 | 5.947 | 691015   | 795341   | 0.244m  | 0.243m  |
| 17) MA 4,4'-DDT             | 7.067 | 6.203 | 320.7E6  | 398.5E6  | 112.579 | 115.976 |
| 18) B Endrin al...          | 6.964 | 6.276 | 291372   | 1927807  | 0.126m  | 0.738m# |
| 20) A Methoxychlor          | 7.538 | 6.774 | 370.0E6  | 483.6E6  | 265.186 | 253.560 |
| 21) B Endrin ke...          | 7.676 | 7.001 | 1520869  | 1991496  | 0.533m  | 0.566m  |
| -----                       |       |       |          |          |         |         |

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

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Data File : PL095327.D  
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Acq On : 23 Apr 2025 11:04  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

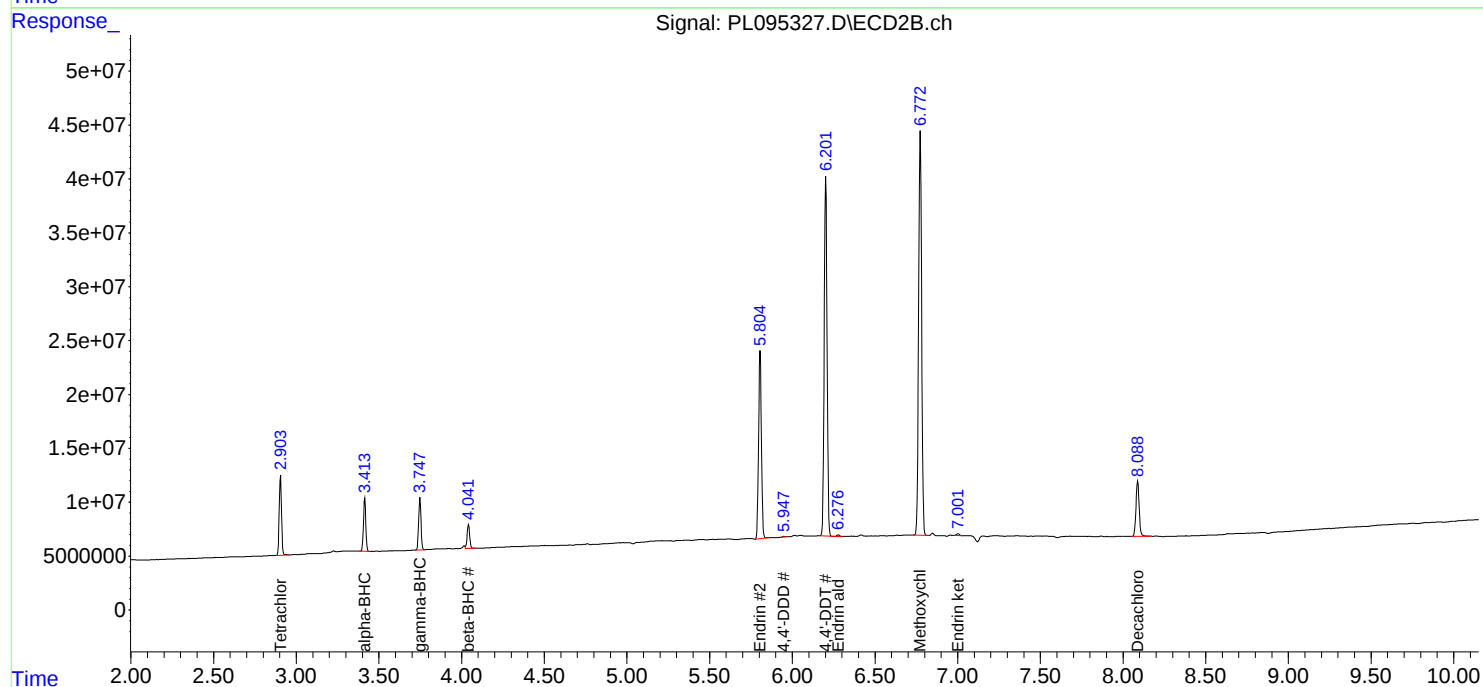
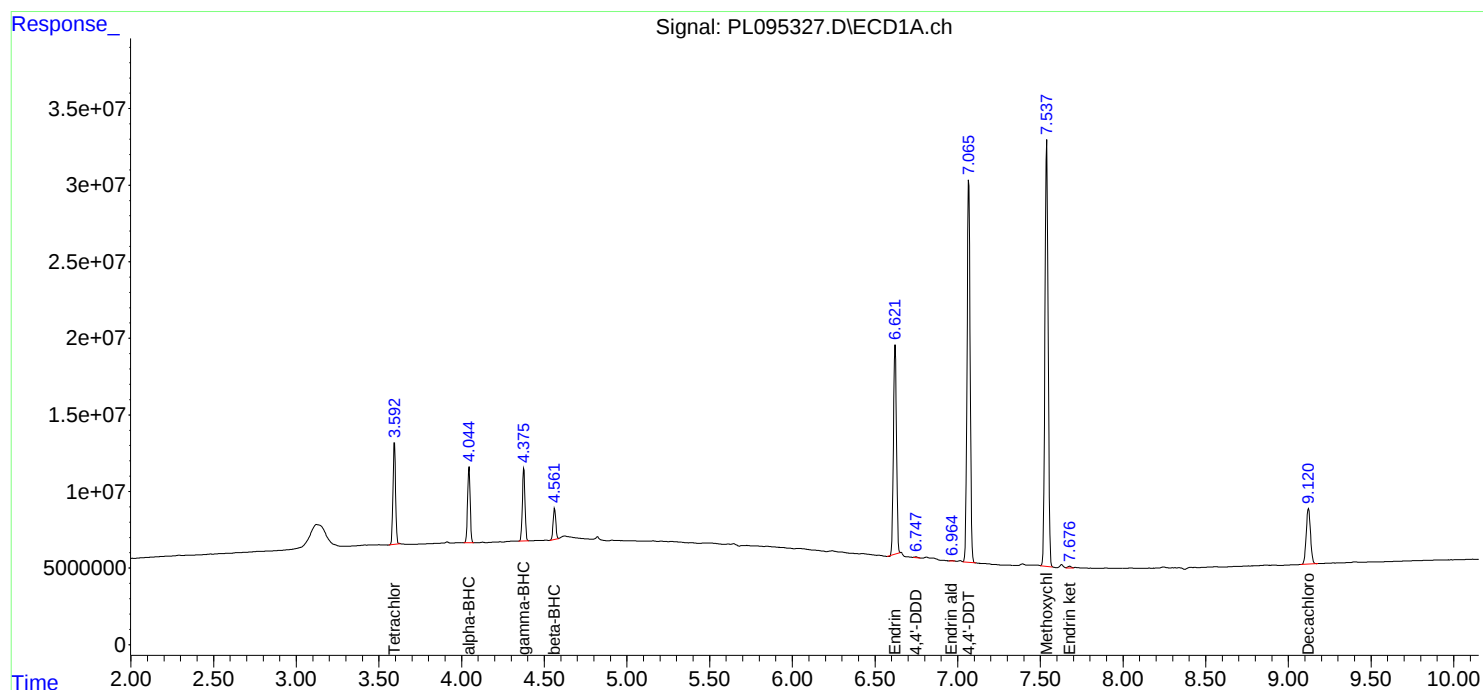
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

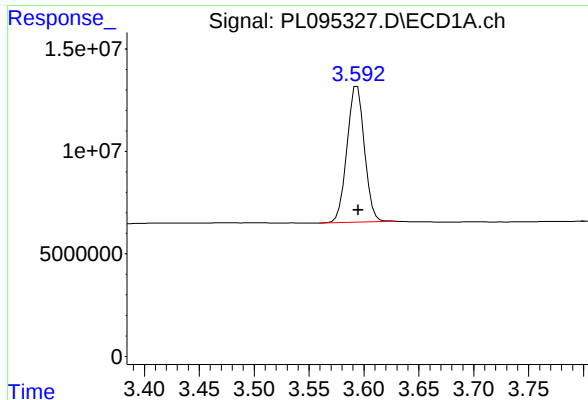
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
Quant Time: Apr 23 14:09:20 2025  
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL042325.M  
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Volume Inj. : 1 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





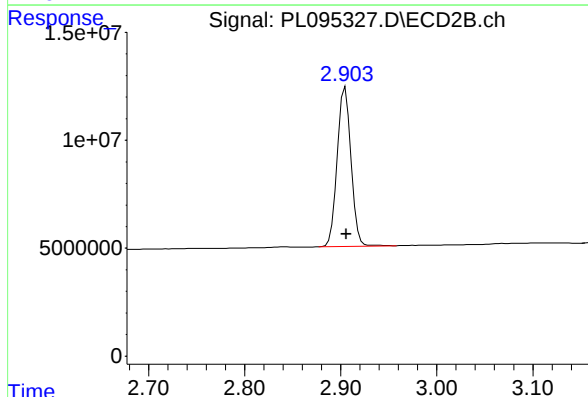
#1 Tetrachloro-m-xylene

R.T.: 3.594 min  
Delta R.T.: -0.001 min  
Response: 73541125  
Conc: 22.53 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

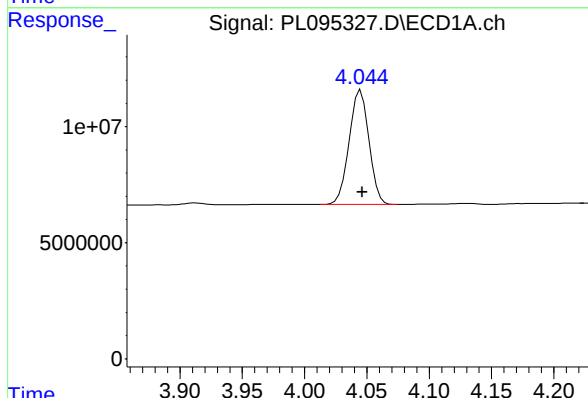
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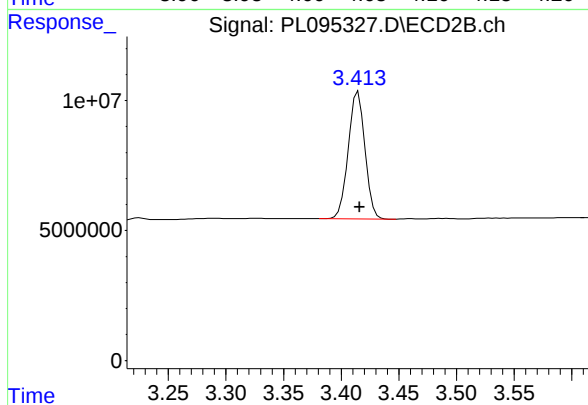
#1 Tetrachloro-m-xylene

R.T.: 2.905 min  
Delta R.T.: 0.000 min  
Response: 72472220  
Conc: 22.79 ng/ml



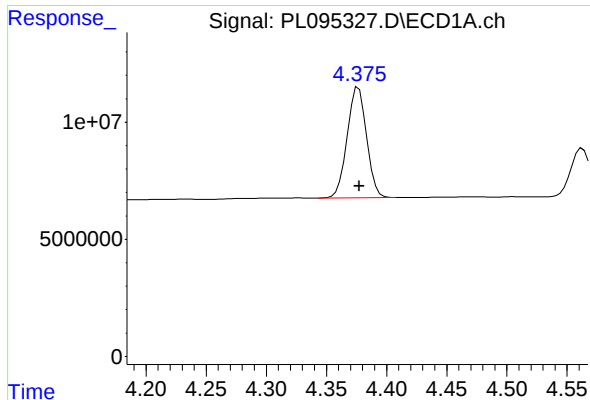
#2 alpha-BHC

R.T.: 4.045 min  
Delta R.T.: -0.001 min  
Response: 54247618  
Conc: 10.95 ng/ml



#2 alpha-BHC

R.T.: 3.415 min  
Delta R.T.: -0.002 min  
Response: 49140358  
Conc: 11.05 ng/ml



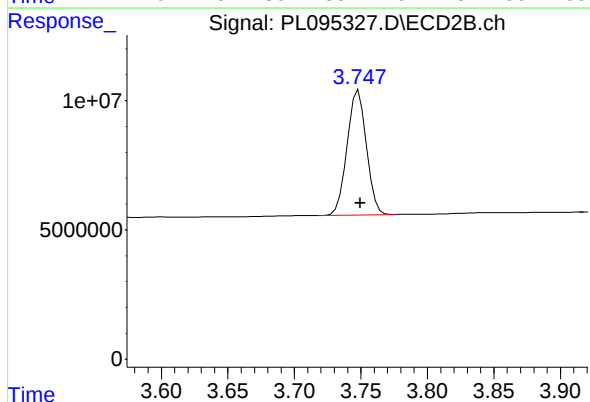
#3 gamma-BHC (Lindane)

R.T.: 4.375 min  
Delta R.T.: -0.002 min  
Response: 53220046  
Conc: 11.24 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

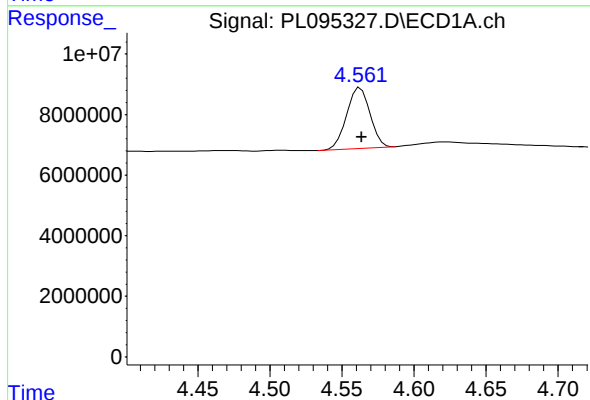
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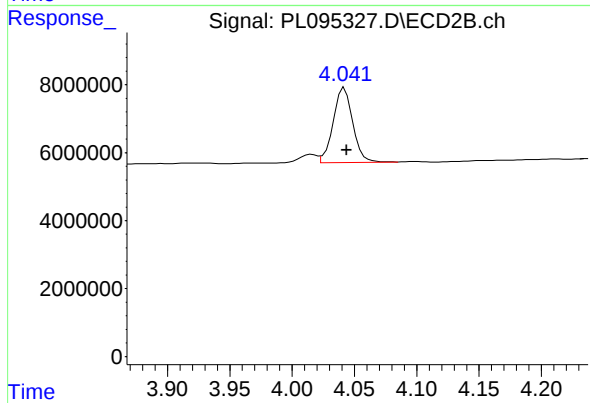
#3 gamma-BHC (Lindane)

R.T.: 3.748 min  
Delta R.T.: -0.002 min  
Response: 48800893  
Conc: 11.10 ng/ml



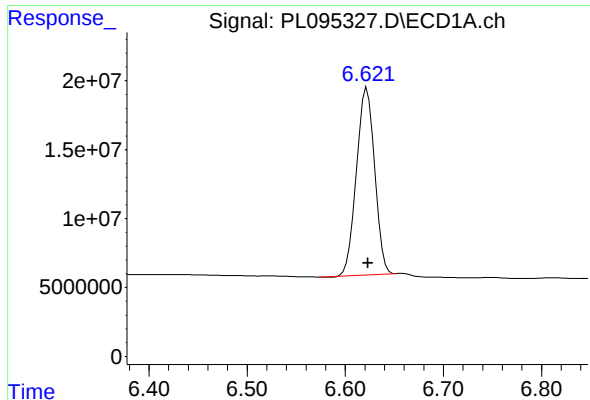
#6 beta-BHC

R.T.: 4.563 min  
Delta R.T.: 0.000 min  
Response: 22651669  
Conc: 10.96 ng/ml



#6 beta-BHC

R.T.: 4.042 min  
Delta R.T.: -0.002 min  
Response: 23957368  
Conc: 11.54 ng/ml



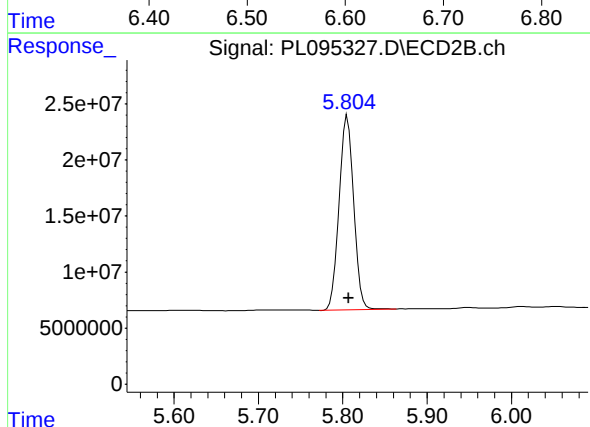
#14 Endrin

R.T.: 6.622 min  
Delta R.T.: 0.000 min  
Response: 174620420  
Conc: 54.83 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

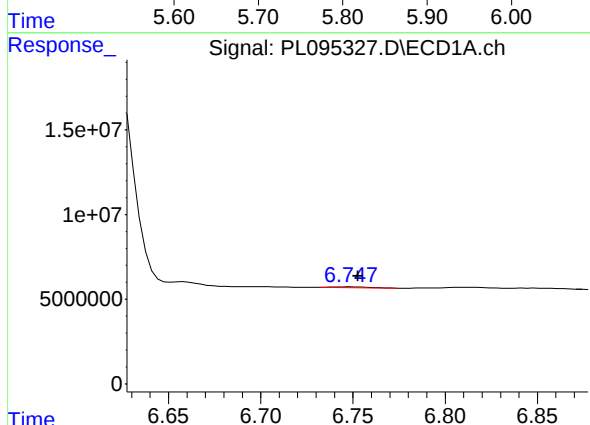
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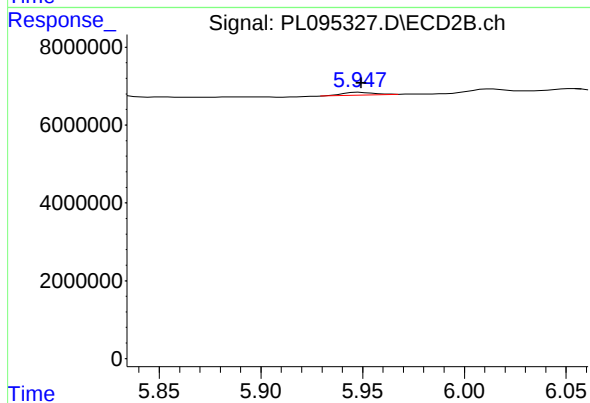
#14 Endrin

R.T.: 5.806 min  
Delta R.T.: -0.001 min  
Response: 208180230  
Conc: 57.18 ng/ml



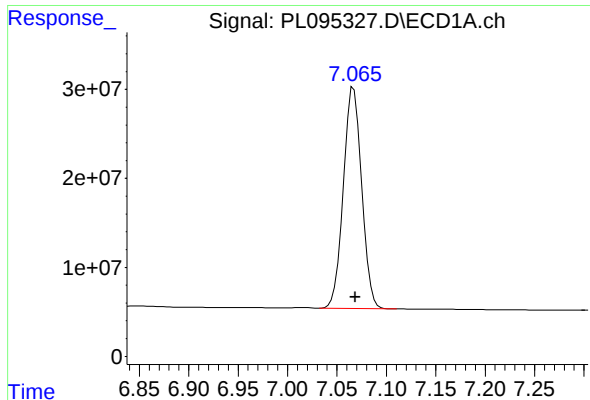
#16 4,4'-DDD

R.T.: 6.747 min  
Delta R.T.: -0.005 min  
Response: 691015  
Conc: 0.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.947 min  
Delta R.T.: -0.002 min  
Response: 795341  
Conc: 0.24 ng/ml m



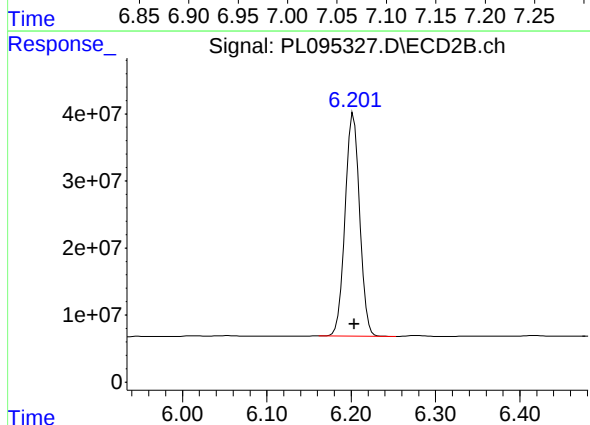
#17 4,4'-DDT

R.T.: 7.067 min  
Delta R.T.: -0.002 min  
Response: 320688921  
Conc: 112.58 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

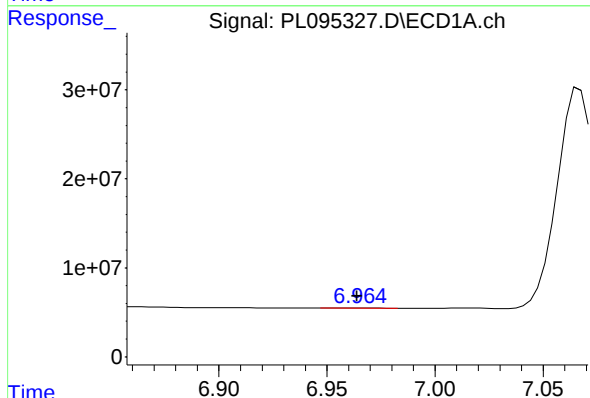
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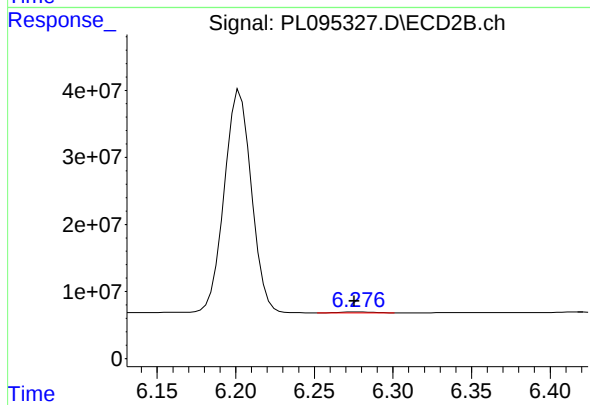
#17 4,4'-DDT

R.T.: 6.203 min  
Delta R.T.: -0.001 min  
Response: 398515432  
Conc: 115.98 ng/ml



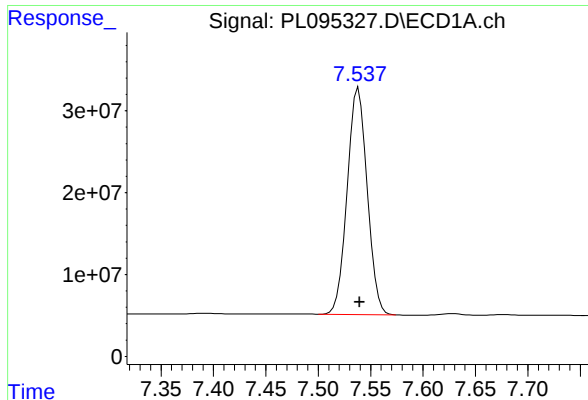
#18 Endrin aldehyde

R.T.: 6.964 min  
Delta R.T.: 0.000 min  
Response: 291372  
Conc: 0.13 ng/ml m



#18 Endrin aldehyde

R.T.: 6.276 min  
Delta R.T.: 0.000 min  
Response: 1927807  
Conc: 0.74 ng/ml m



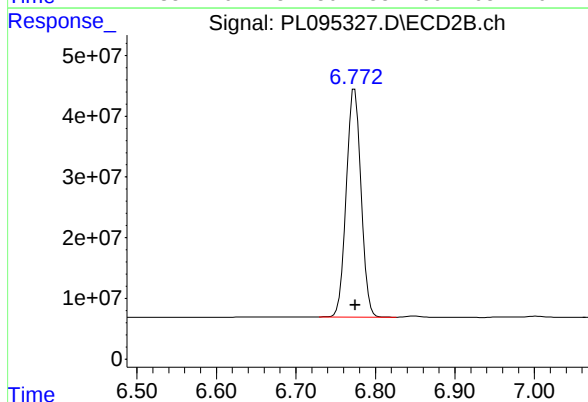
#20 Methoxychlor

R.T.: 7.538 min  
Delta R.T.: -0.001 min  
Response: 369969247  
Conc: 265.19 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

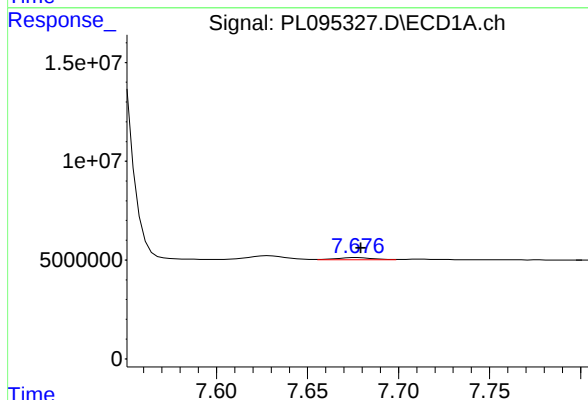
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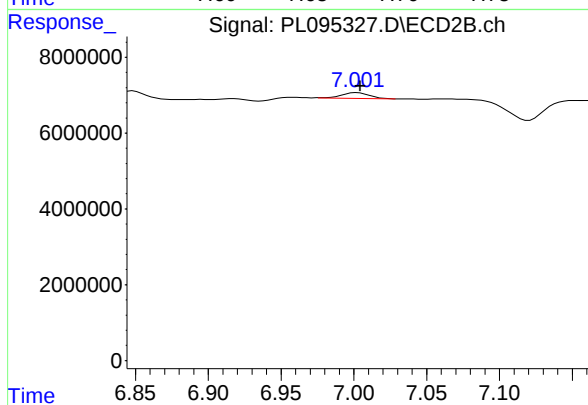
#20 Methoxychlor

R.T.: 6.774 min  
Delta R.T.: 0.000 min  
Response: 483648088  
Conc: 253.56 ng/ml



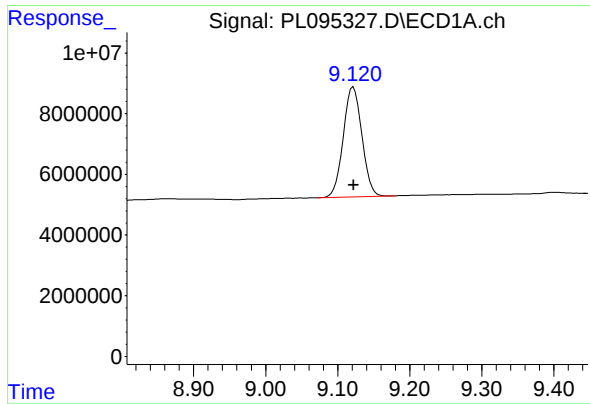
#21 Endrin ketone

R.T.: 7.676 min  
Delta R.T.: -0.003 min  
Response: 1520869  
Conc: 0.53 ng/ml m



#21 Endrin ketone

R.T.: 7.001 min  
Delta R.T.: -0.004 min  
Response: 1991496  
Conc: 0.57 ng/ml m



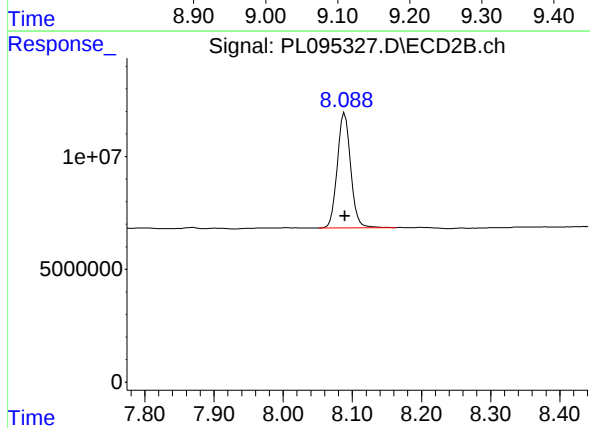
#28 Decachlorobiphenyl

R.T.: 9.122 min  
Delta R.T.: 0.000 min  
Response: 65094644  
Conc: 23.49 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

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#28 Decachlorobiphenyl

R.T.: 8.089 min  
Delta R.T.: 0.000 min  
Response: 68362526  
Conc: 23.10 ng/ml