

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050325\  
 Data File : PL095498.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 30 Apr 2025 11:52  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 05/01/2025  
 Supervised By : mohammad ahmed 05/02/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: May 01 00:20:07 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...          | 3.594 | 2.910 | 63343650 | 72964446 | 19.403  | 22.947   |
| 2) SA Decachlor...          | 9.121 | 8.086 | 63129208 | 60666253 | 22.784  | 20.500   |
| Target Compounds            |       |       |          |          |         |          |
| 2) A alpha-BHC              | 4.045 | 3.419 | 47177459 | 56046524 | 9.524   | 12.598 # |
| 3) MA gamma-BHC...          | 4.375 | 3.753 | 46084226 | 53051135 | 9.735m  | 12.062   |
| 6) B beta-BHC               | 4.563 | 4.047 | 20291420 | 24247458 | 9.814   | 11.681   |
| 12) B 4,4'-DDE              | 6.240 | 5.409 | 2301043  | 667586   | 0.587m  | 0.164m#  |
| 14) MA Endrin               | 6.621 | 5.808 | 173.9E6  | 188.8E6  | 54.603m | 51.869   |
| 16) A 4,4'-DDD              | 6.749 | 5.949 | 882842   | 1855304  | 0.312m  | 0.568m#  |
| 17) MA 4,4'-DDT             | 7.067 | 6.204 | 310.1E6  | 340.2E6  | 108.855 | 99.001   |
| 18) B Endrin al...          | 6.966 | 6.276 | 783117   | 1942226  | 0.337m  | 0.743m#  |
| 20) A Methoxychlor          | 7.539 | 6.772 | 357.4E6  | 417.5E6  | 256.149 | 218.903m |
| 21) B Endrin ke...          | 7.676 | 7.001 | 1733001  | 4381521  | 0.608m  | 1.244m#  |
| -----                       |       |       |          |          |         |          |

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL050325\  
Data File : PL095498.D  
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Acq On : 30 Apr 2025 11:52  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

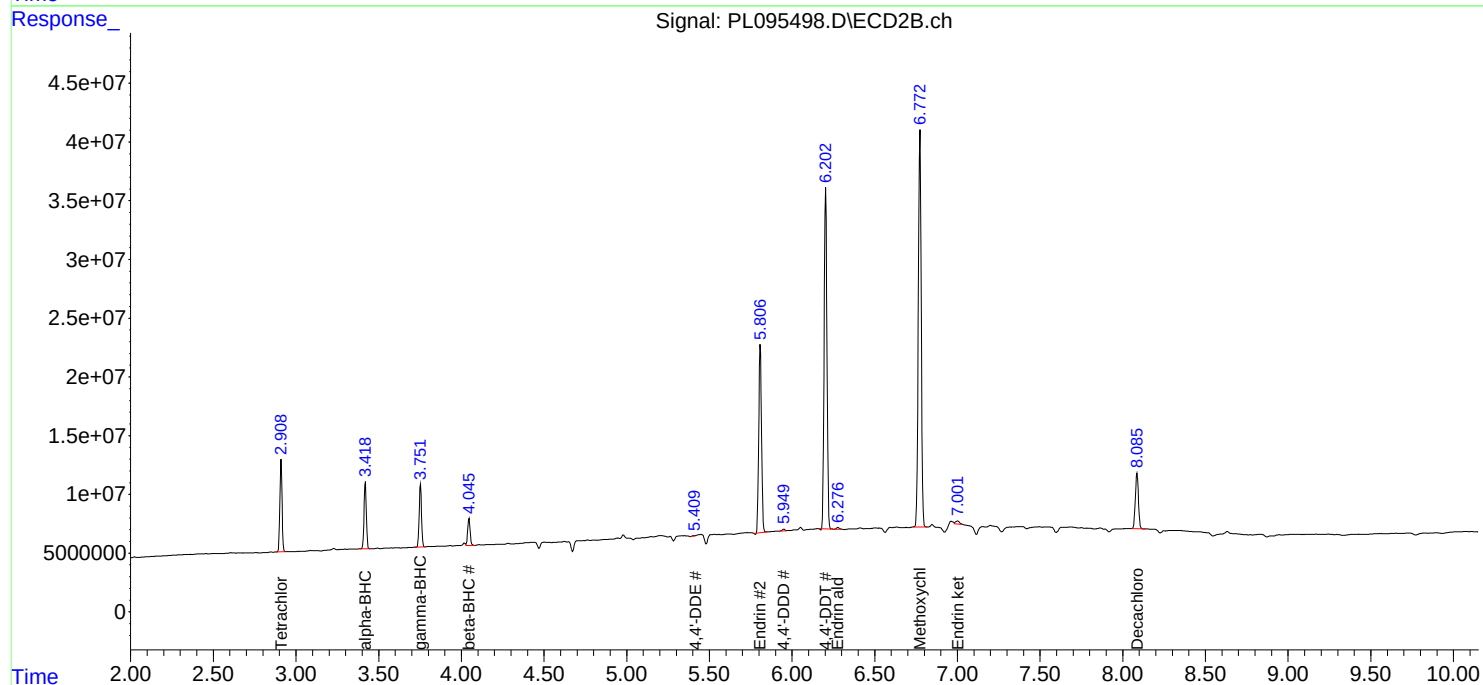
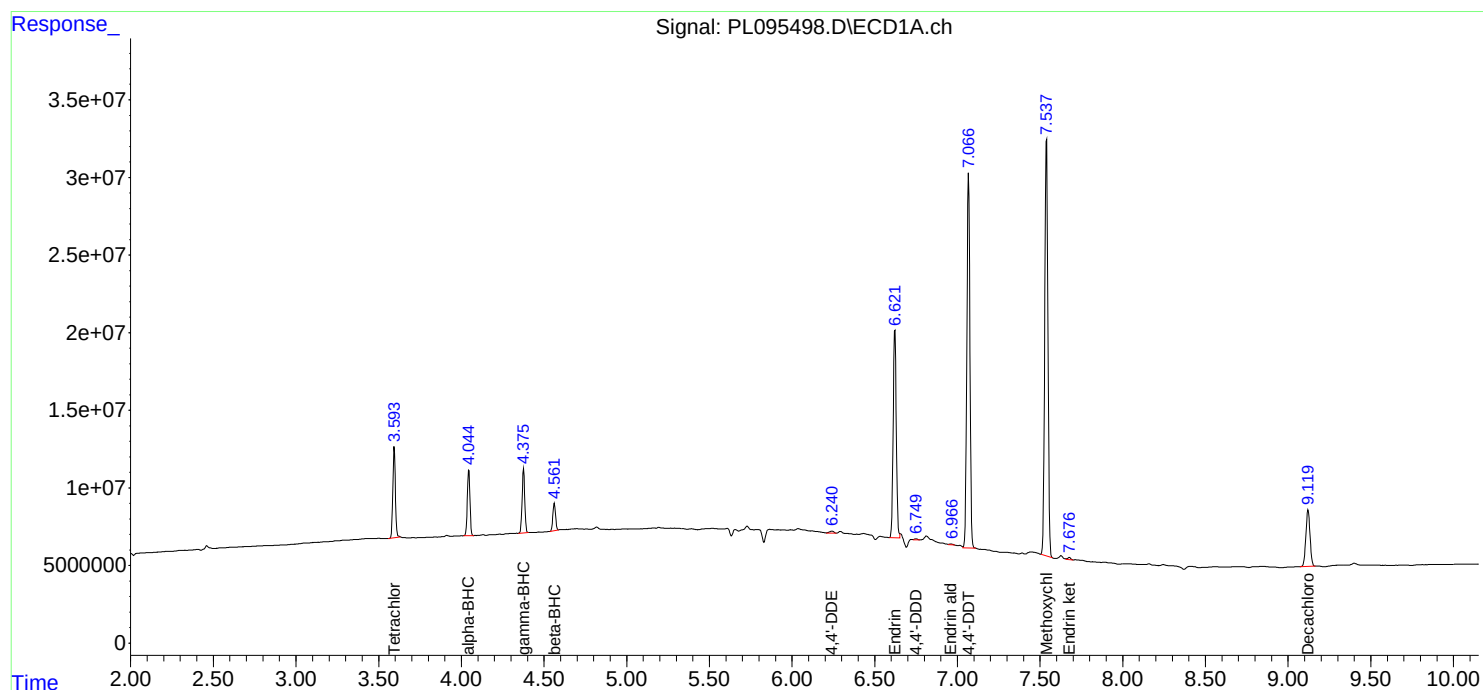
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

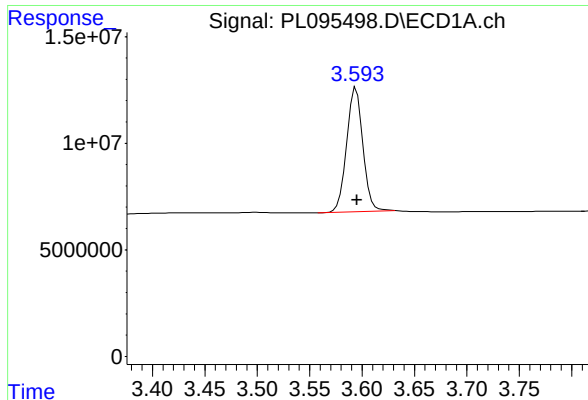
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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Volume Inj. : 1 µl  
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





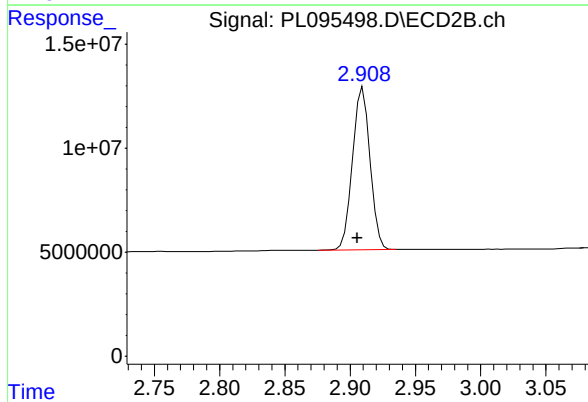
#1 Tetrachloro-m-xylene

R.T.: 3.594 min  
Delta R.T.: 0.000 min  
Response: 63343650  
Conc: 19.40 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

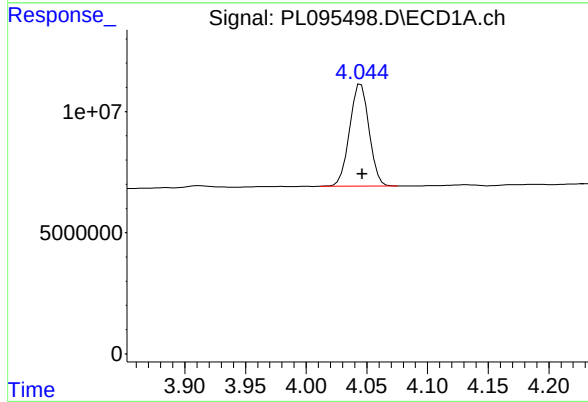
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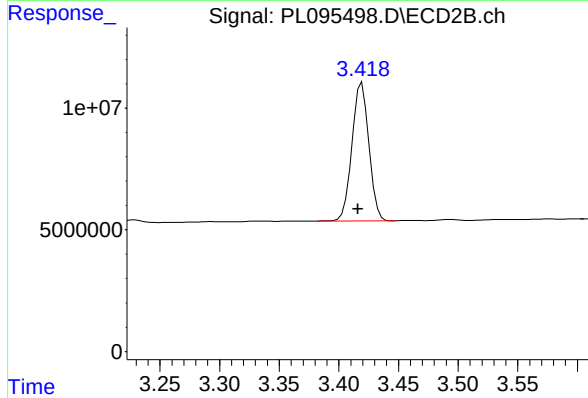
#1 Tetrachloro-m-xylene

R.T.: 2.910 min  
Delta R.T.: 0.004 min  
Response: 72964446  
Conc: 22.95 ng/ml



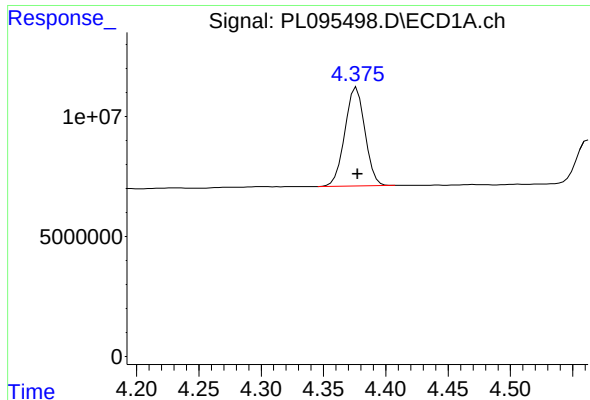
#2 alpha-BHC

R.T.: 4.045 min  
Delta R.T.: -0.001 min  
Response: 47177459  
Conc: 9.52 ng/ml



#2 alpha-BHC

R.T.: 3.419 min  
Delta R.T.: 0.003 min  
Response: 56046524  
Conc: 12.60 ng/ml



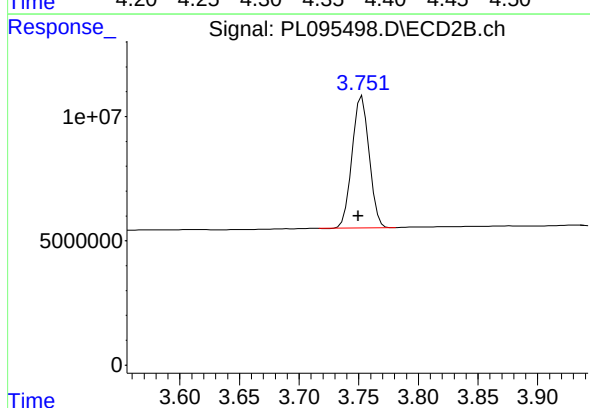
#3 gamma-BHC (Lindane)

R.T.: 4.375 min  
Delta R.T.: -0.002 min  
Response: 46084226  
Conc: 9.73 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

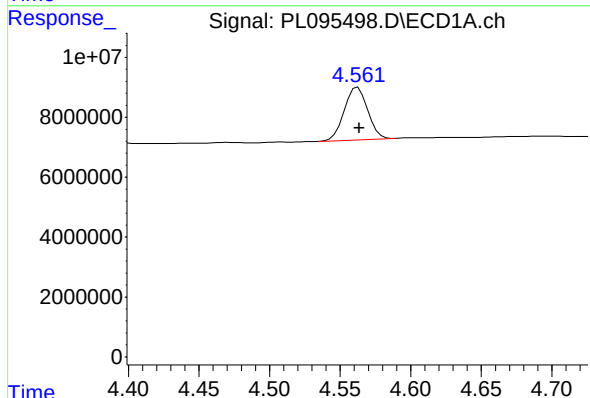
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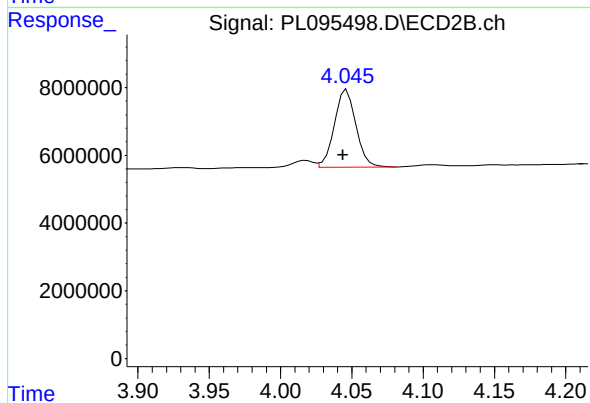
#3 gamma-BHC (Lindane)

R.T.: 3.753 min  
Delta R.T.: 0.003 min  
Response: 53051135  
Conc: 12.06 ng/ml



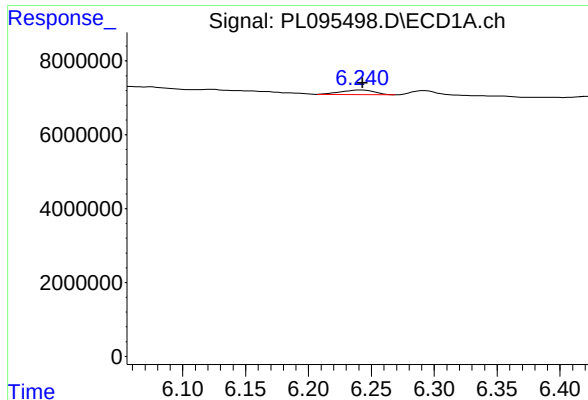
#6 beta-BHC

R.T.: 4.563 min  
Delta R.T.: -0.001 min  
Response: 20291420  
Conc: 9.81 ng/ml



#6 beta-BHC

R.T.: 4.047 min  
Delta R.T.: 0.003 min  
Response: 24247458  
Conc: 11.68 ng/ml



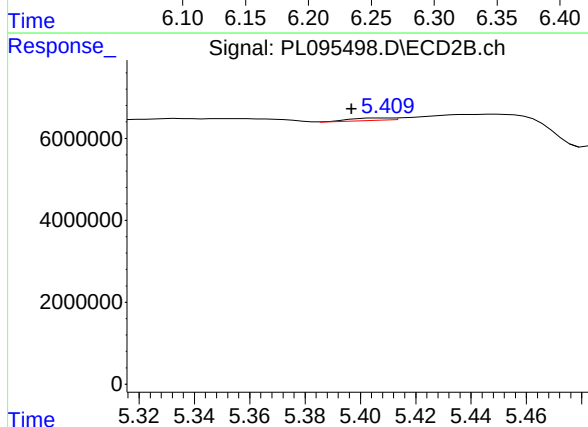
#12 4,4'-DDE

R.T.: 6.240 min  
Delta R.T.: -0.003 min  
Response: 2301043  
Conc: 0.59 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

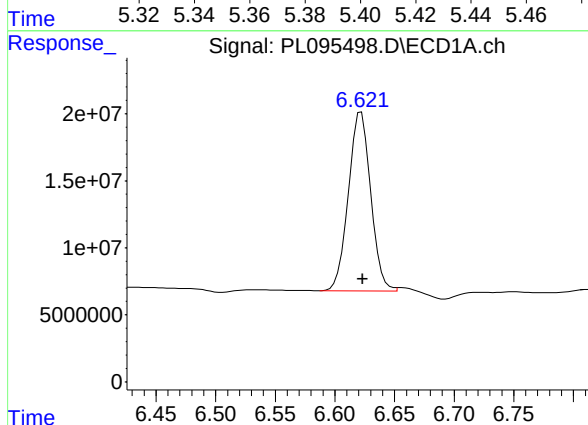
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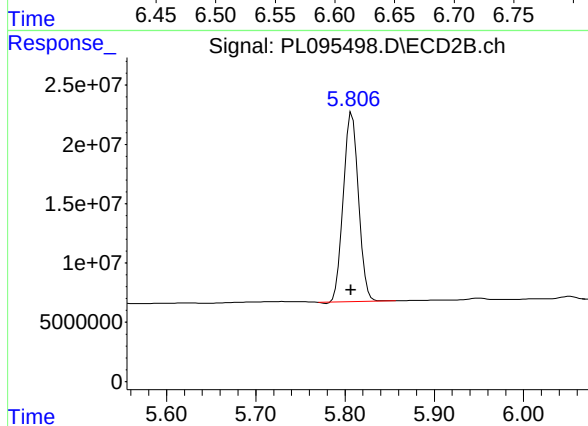
#12 4,4'-DDE

R.T.: 5.409 min  
Delta R.T.: 0.012 min  
Response: 667586  
Conc: 0.16 ng/ml



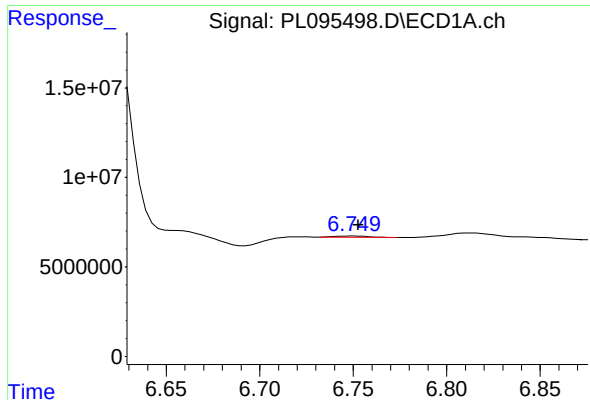
#14 Endrin

R.T.: 6.621 min  
Delta R.T.: -0.002 min  
Response: 173896109  
Conc: 54.60 ng/ml



#14 Endrin

R.T.: 5.808 min  
Delta R.T.: 0.000 min  
Response: 188842095  
Conc: 51.87 ng/ml



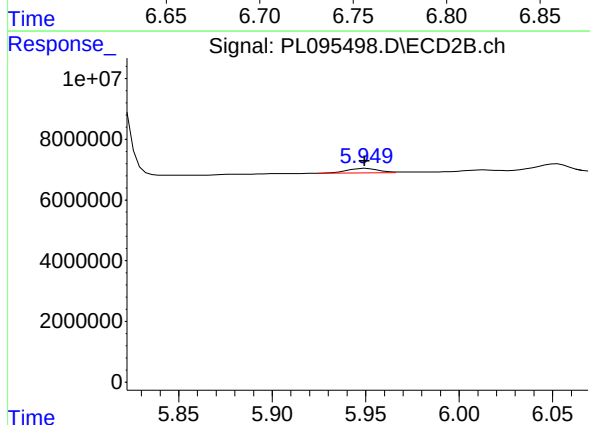
#16 4,4'-DDD

R.T.: 6.749 min  
Delta R.T.: -0.004 min  
Response: 882842  
Conc: 0.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

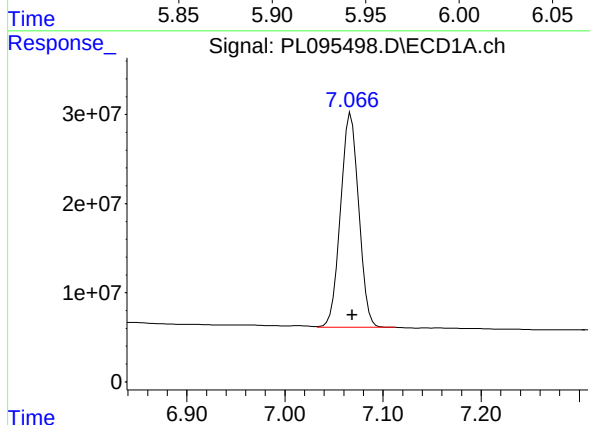
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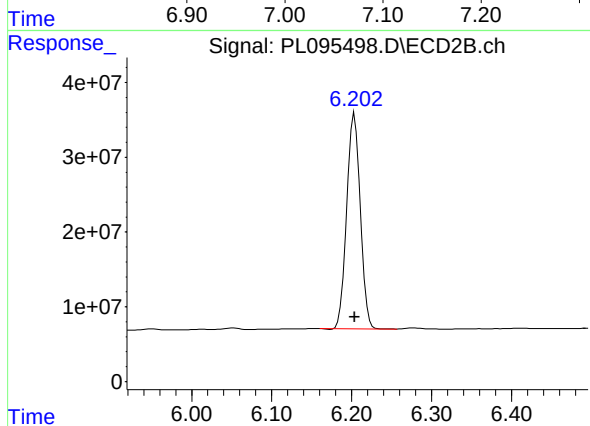
#16 4,4'-DDD

R.T.: 5.949 min  
Delta R.T.: 0.000 min  
Response: 1855304  
Conc: 0.57 ng/ml



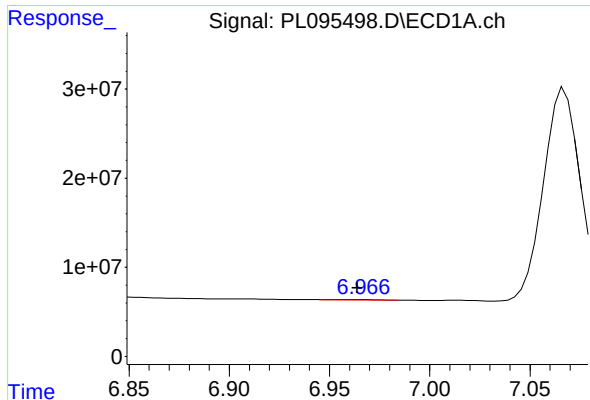
#17 4,4'-DDT

R.T.: 7.067 min  
Delta R.T.: -0.001 min  
Response: 310083145  
Conc: 108.86 ng/ml



#17 4,4'-DDT

R.T.: 6.204 min  
Delta R.T.: 0.000 min  
Response: 340183657  
Conc: 99.00 ng/ml



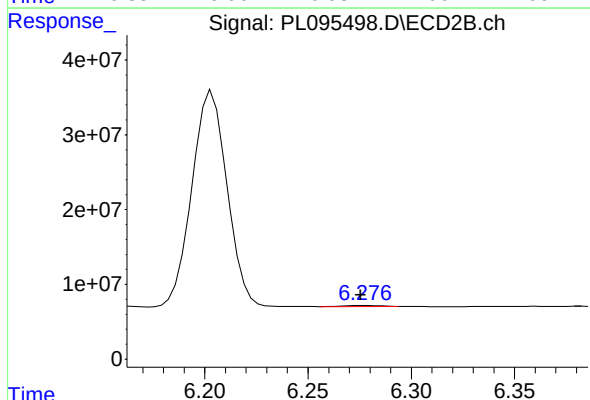
#18 Endrin aldehyde

R.T.: 6.966 min  
Delta R.T.: 0.002 min  
Response: 783117  
Conc: 0.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

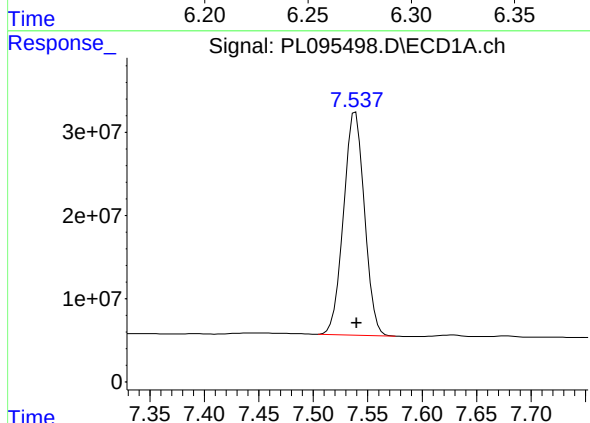
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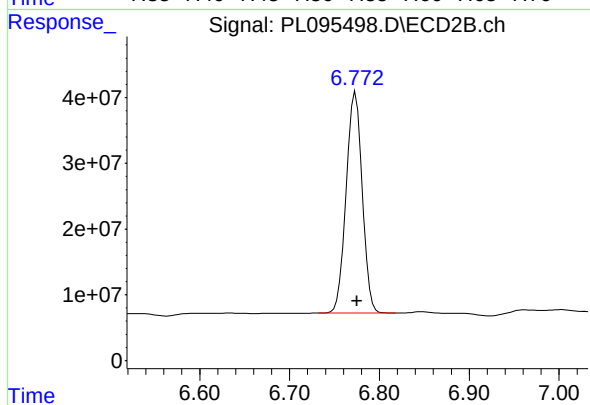
#18 Endrin aldehyde

R.T.: 6.276 min  
Delta R.T.: 0.000 min  
Response: 1942226  
Conc: 0.74 ng/ml m



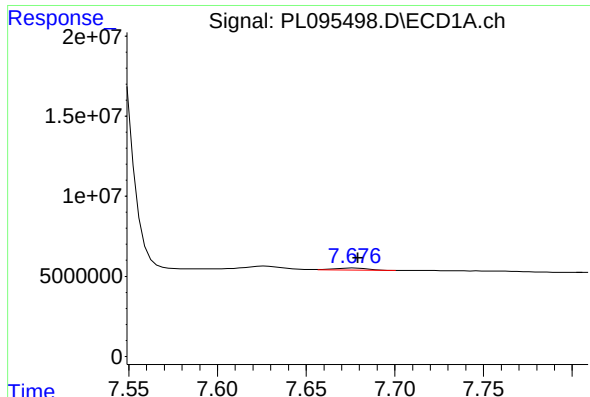
#20 Methoxychlor

R.T.: 7.539 min  
Delta R.T.: 0.000 min  
Response: 357361833  
Conc: 256.15 ng/ml



#20 Methoxychlor

R.T.: 6.772 min  
Delta R.T.: -0.003 min  
Response: 417541091  
Conc: 218.90 ng/ml m



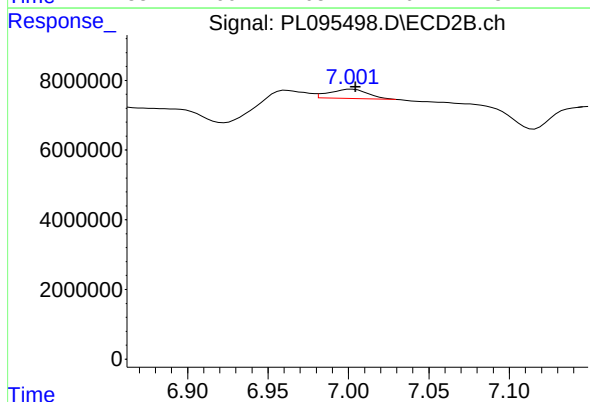
#21 Endrin ketone

R.T.: 7.676 min  
Delta R.T.: -0.004 min  
Response: 1733001  
Conc: 0.61 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

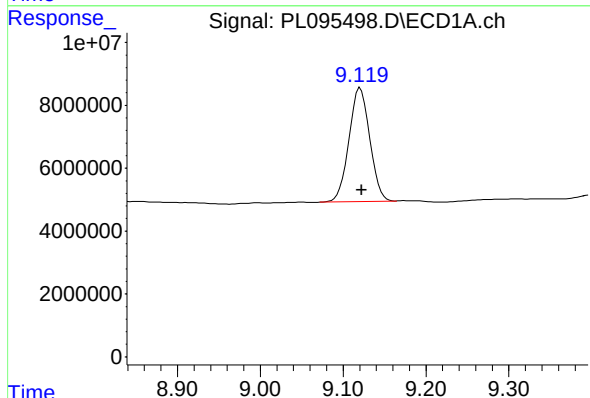
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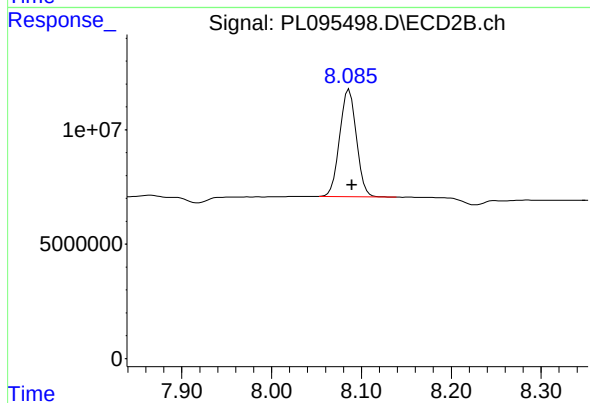
#21 Endrin ketone

R.T.: 7.001 min  
Delta R.T.: -0.004 min  
Response: 4381521  
Conc: 1.24 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.121 min  
Delta R.T.: -0.001 min  
Response: 63129208  
Conc: 22.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.086 min  
Delta R.T.: -0.003 min  
Response: 60666253  
Conc: 20.50 ng/ml