

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL110323\  
 Data File : PL086399.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 02 Nov 2023 15:28  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/04/2023  
 Supervised By : mohammad ahmed 11/06/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 02 21:29:22 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL110123.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 02 05:32:51 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... | 3.352 | 2.618 | 59126824 | 17849678 | 18.631  | 18.750  |
| 28)                         | SA Decachlor... | 8.852 | 7.768 | 57975148 | 24699439 | 21.920  | 21.533  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.806 | 3.116 | 41880392 | 11082719 | 8.873   | 8.540   |
| 3)                          | MA gamma-BHC... | 4.138 | 3.443 | 41283330 | 11128454 | 9.060   | 8.472   |
| 6)                          | B beta-BHC      | 4.342 | 3.746 | 20121606 | 6408145  | 10.202  | 11.165  |
| 12)                         | B 4,4'-DDE      | 6.013 | 5.077 | 846719   | 135506   | 0.267m  | 0.137 # |
| 14)                         | MA Endrin       | 6.383 | 5.467 | 149.0E6  | 50319515 | 44.630  | 45.665  |
| 16)                         | A 4,4'-DDD      | 6.532 | 5.630 | 5560680  | 1630140  | 2.344m  | 2.001   |
| 17)                         | MA 4,4'-DDT     | 6.848 | 5.881 | 277.1E6  | 102.6E6  | 106.197 | 108.829 |
| 18)                         | B Endrin al...  | 6.737 | 5.947 | 5009663  | 2360355  | 2.058   | 2.799 # |
| 20)                         | A Methoxychlor  | 7.335 | 6.465 | 353.3E6  | 140.0E6  | 254.707 | 239.602 |
| 21)                         | B Endrin ke...  | 7.453 | 6.671 | 8486026  | 3908668  | 2.659m  | 3.134   |
| -----                       |                 |       |       |          |          |         |         |

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

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Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

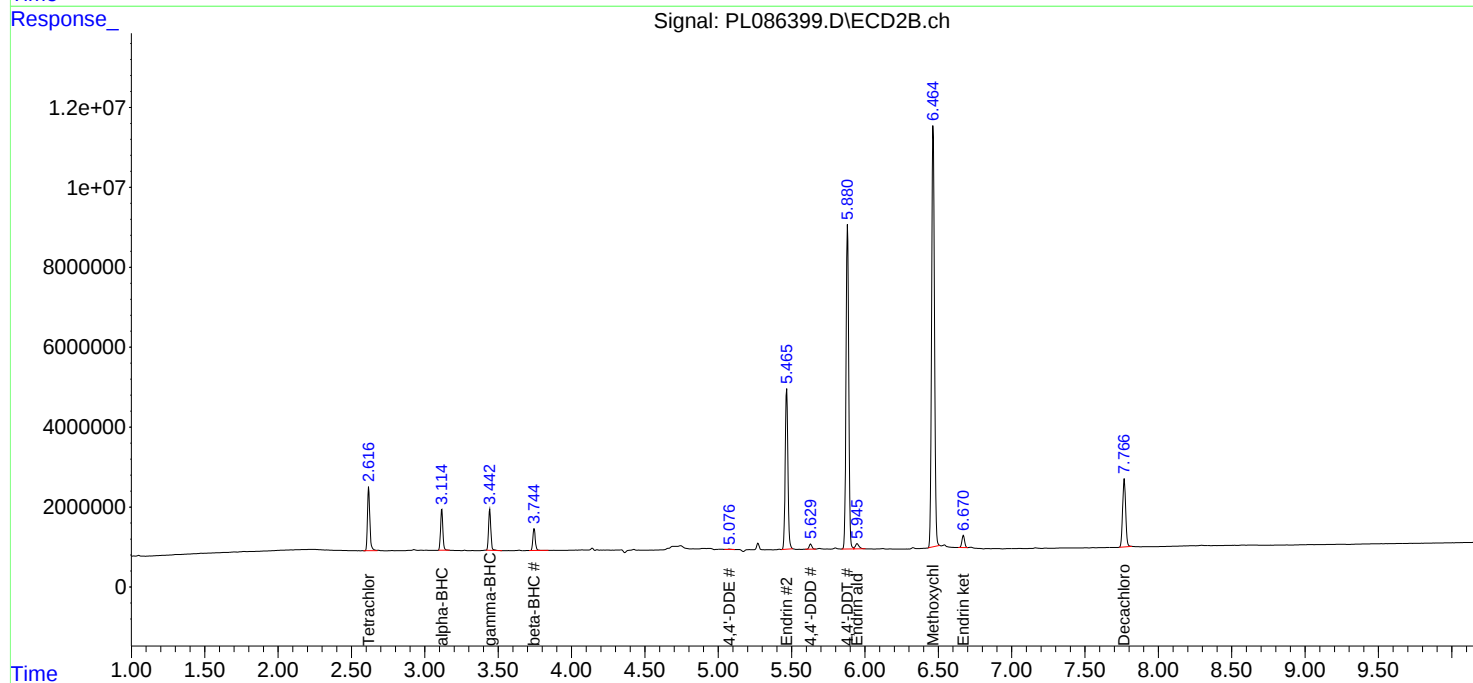
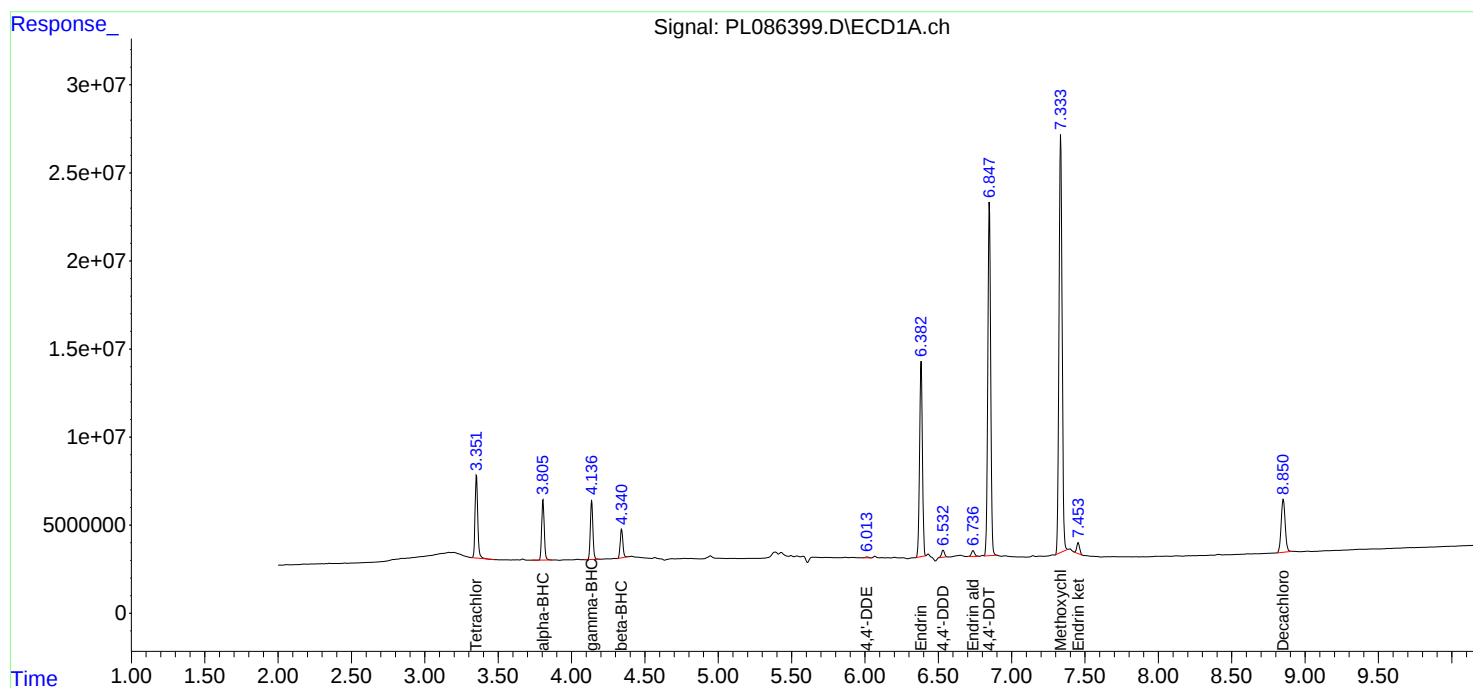
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

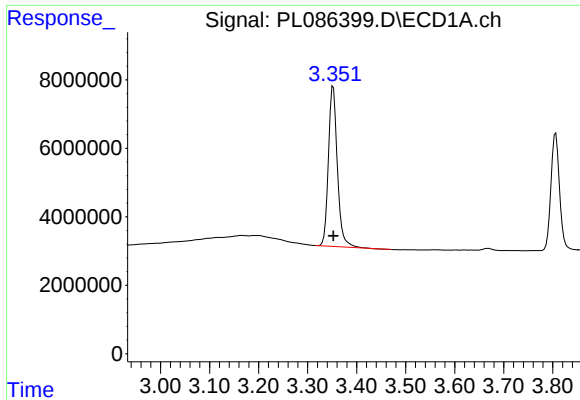
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Integration File signal 1: autoint1.e  
Integration File signal 2: autoint2.e  
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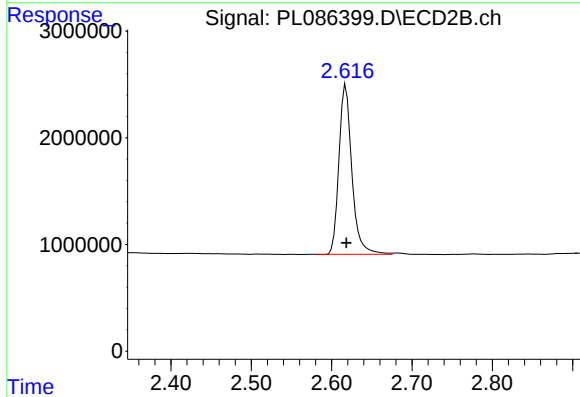
#1 Tetrachloro-m-xylene

R.T.: 3.352 min  
Delta R.T.: 0.000 min  
Response: 59126824  
Conc: 18.63 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

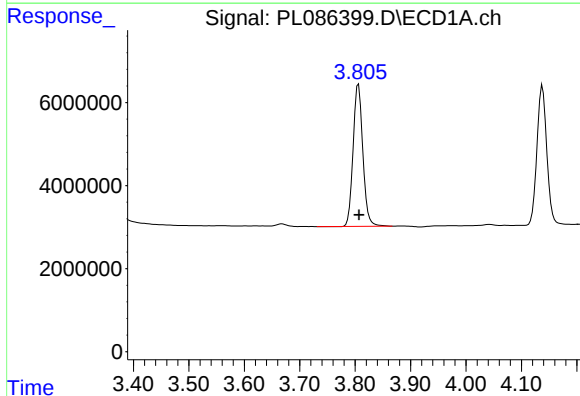
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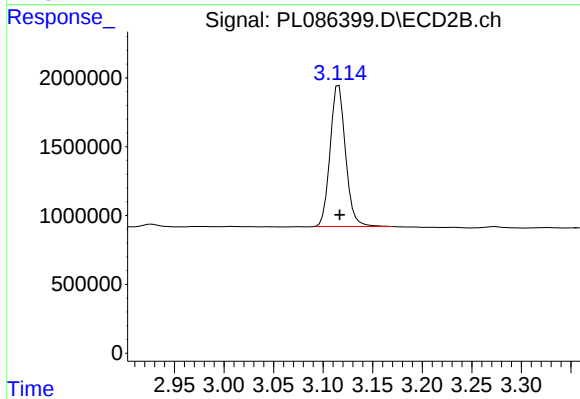
#1 Tetrachloro-m-xylene

R.T.: 2.618 min  
Delta R.T.: 0.000 min  
Response: 17849678  
Conc: 18.75 ng/ml



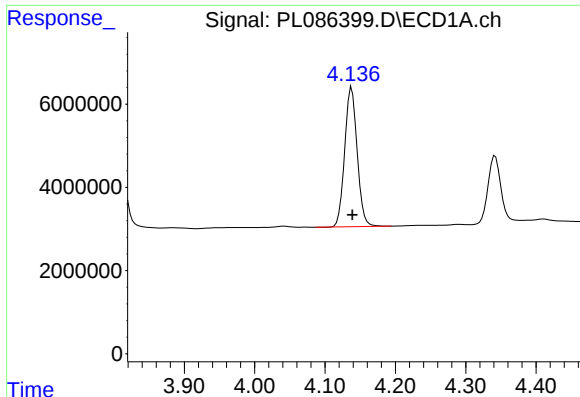
#2 alpha-BHC

R.T.: 3.806 min  
Delta R.T.: 0.000 min  
Response: 41880392  
Conc: 8.87 ng/ml



#2 alpha-BHC

R.T.: 3.116 min  
Delta R.T.: 0.000 min  
Response: 11082719  
Conc: 8.54 ng/ml



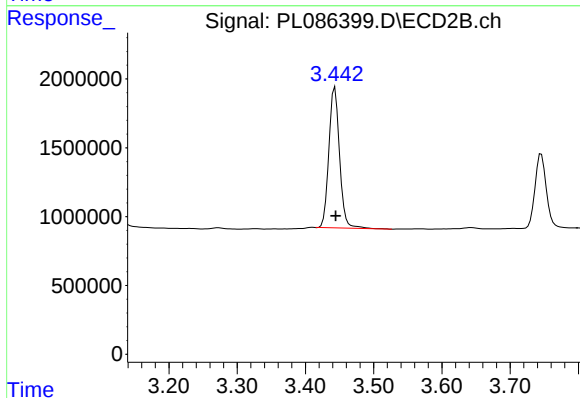
#3 gamma-BHC (Lindane)

R.T.: 4.138 min  
Delta R.T.: 0.000 min  
Response: 41283330  
Conc: 9.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

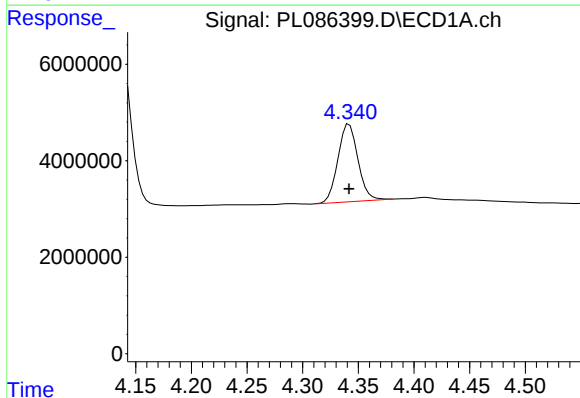
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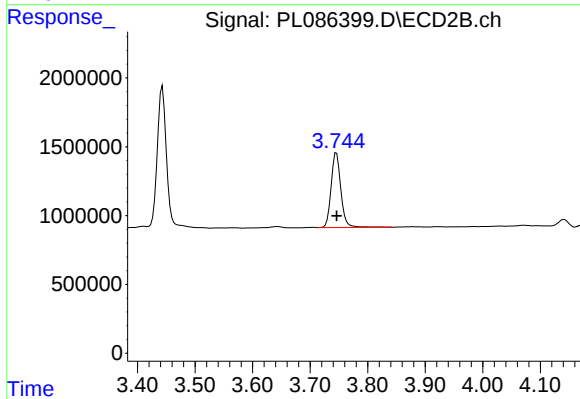
#3 gamma-BHC (Lindane)

R.T.: 3.443 min  
Delta R.T.: -0.001 min  
Response: 11128454  
Conc: 8.47 ng/ml



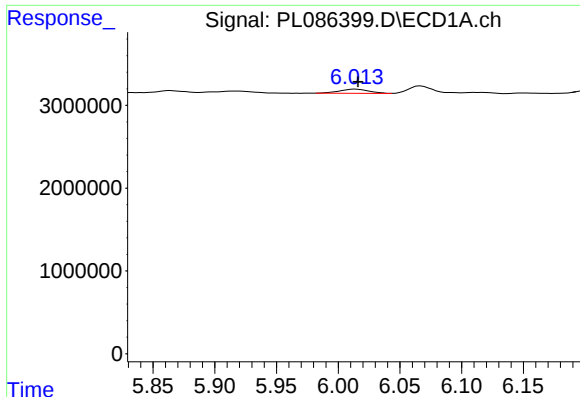
#6 beta-BHC

R.T.: 4.342 min  
Delta R.T.: 0.000 min  
Response: 20121606  
Conc: 10.20 ng/ml



#6 beta-BHC

R.T.: 3.746 min  
Delta R.T.: 0.000 min  
Response: 6408145  
Conc: 11.17 ng/ml



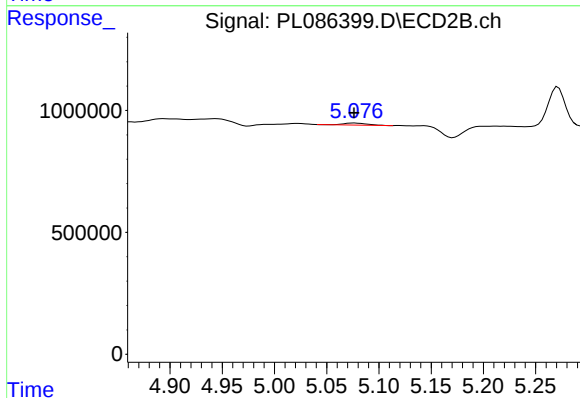
#12 4,4'-DDE

R.T.: 6.013 min  
Delta R.T.: -0.003 min  
Response: 846719  
Conc: 0.27 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

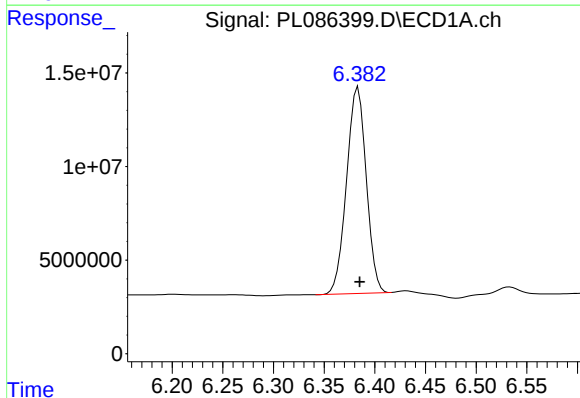
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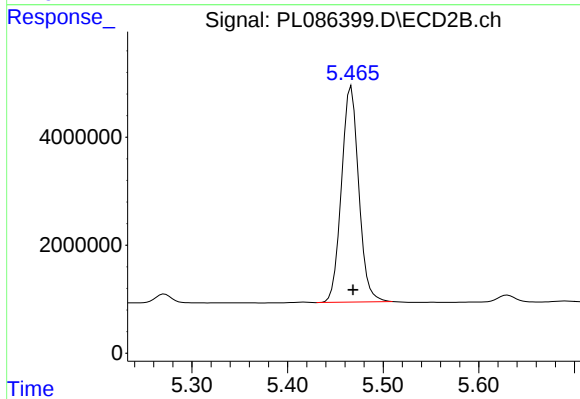
#12 4,4'-DDE

R.T.: 5.077 min  
Delta R.T.: 0.001 min  
Response: 135506  
Conc: 0.14 ng/ml



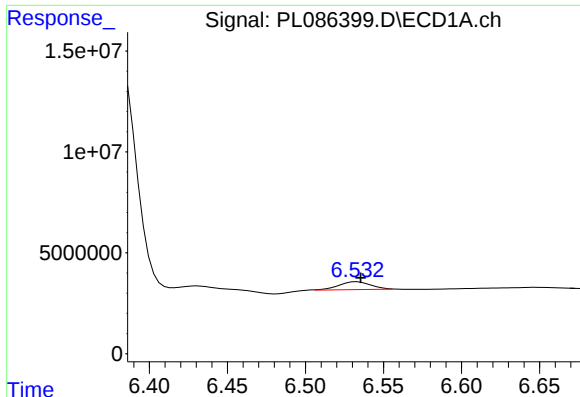
#14 Endrin

R.T.: 6.383 min  
Delta R.T.: -0.002 min  
Response: 148986036  
Conc: 44.63 ng/ml



#14 Endrin

R.T.: 5.467 min  
Delta R.T.: -0.002 min  
Response: 50319515  
Conc: 45.66 ng/ml



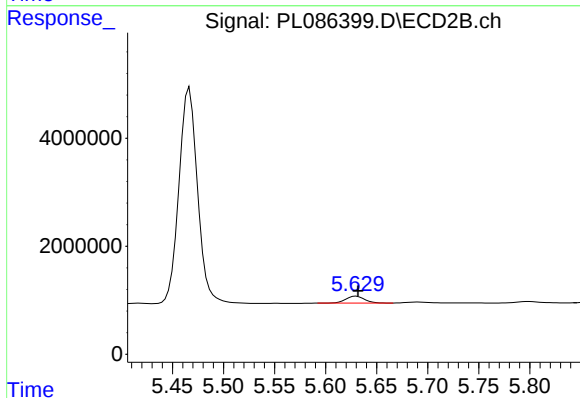
#16 4,4'-DDD

R.T.: 6.532 min  
Delta R.T.: -0.004 min  
Response: 5560680  
Conc: 2.34 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

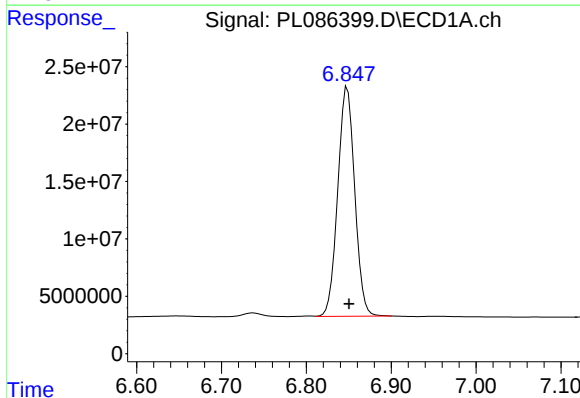
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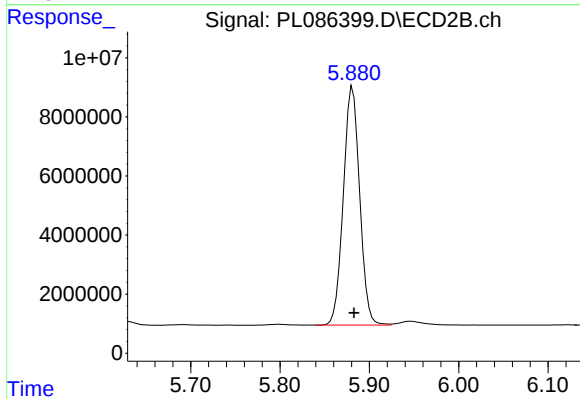
#16 4,4'-DDD

R.T.: 5.630 min  
Delta R.T.: -0.002 min  
Response: 1630140  
Conc: 2.00 ng/ml



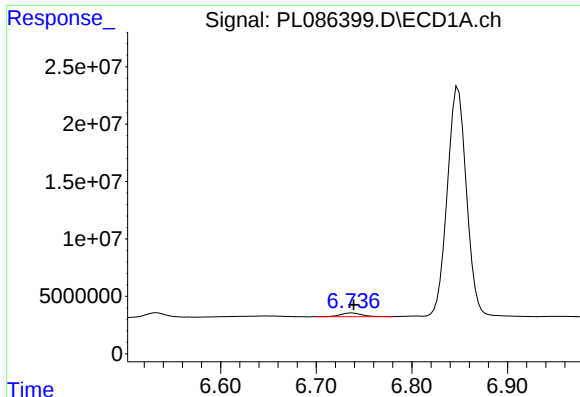
#17 4,4'-DDT

R.T.: 6.848 min  
Delta R.T.: -0.002 min  
Response: 277058115  
Conc: 106.20 ng/ml



#17 4,4'-DDT

R.T.: 5.881 min  
Delta R.T.: -0.002 min  
Response: 102597994  
Conc: 108.83 ng/ml



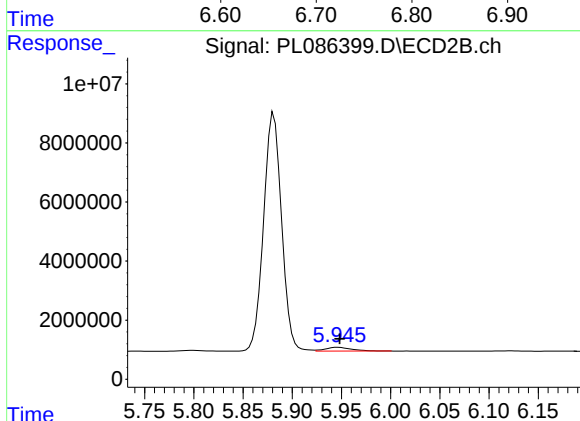
#18 Endrin aldehyde

R.T.: 6.737 min  
Delta R.T.: -0.002 min  
Response: 5009663  
Conc: 2.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

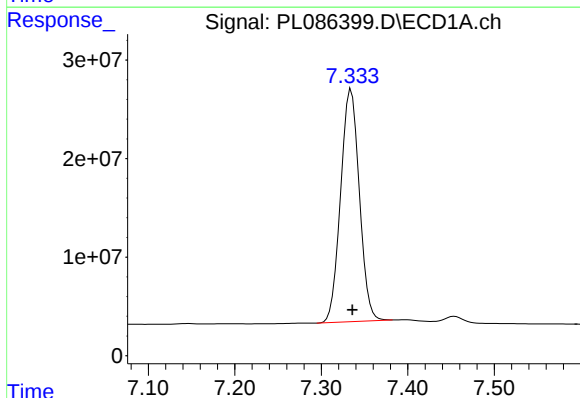
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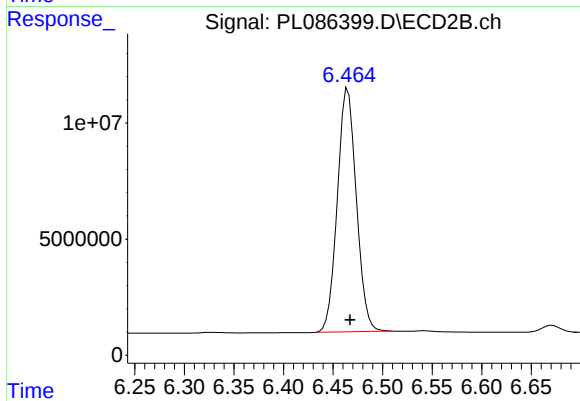
#18 Endrin aldehyde

R.T.: 5.947 min  
Delta R.T.: -0.001 min  
Response: 2360355  
Conc: 2.80 ng/ml



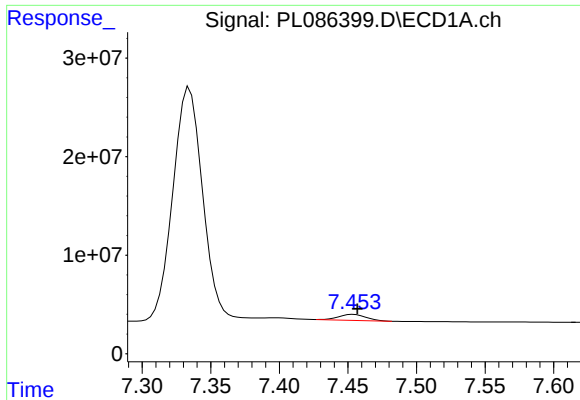
#20 Methoxychlor

R.T.: 7.335 min  
Delta R.T.: -0.001 min  
Response: 353280569  
Conc: 254.71 ng/ml



#20 Methoxychlor

R.T.: 6.465 min  
Delta R.T.: -0.002 min  
Response: 140007739  
Conc: 239.60 ng/ml



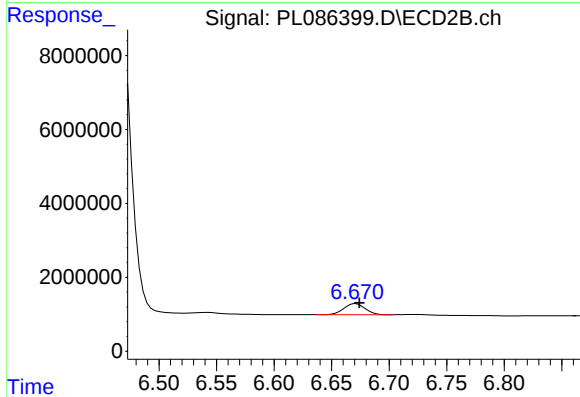
#21 Endrin ketone

R.T.: 7.453 min  
Delta R.T.: -0.004 min  
Response: 8486026  
Conc: 2.66 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

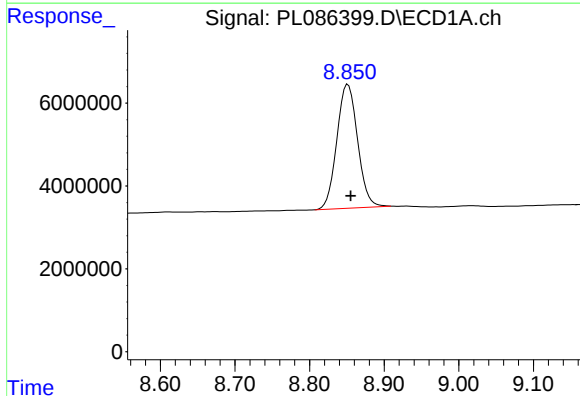
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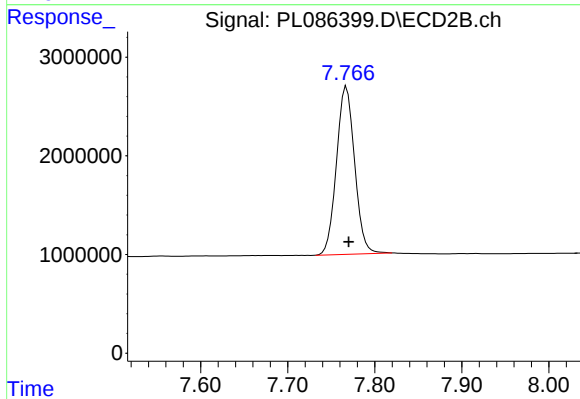
#21 Endrin ketone

R.T.: 6.671 min  
Delta R.T.: -0.003 min  
Response: 3908668  
Conc: 3.13 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.852 min  
Delta R.T.: -0.004 min  
Response: 57975148  
Conc: 21.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.768 min  
Delta R.T.: -0.002 min  
Response: 24699439  
Conc: 21.53 ng/ml