

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL110821\  
 Data File : PL070822.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 08 Nov 2021 10:09  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 11/09/2021  
 Supervised By : mohammad ahmed 11/09/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 09 00:44:41 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL110321.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Nov 04 19:28:07 2021  
 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... | 4.569  | 5.504  | 9790410  | 25073139 | 19.988  | 19.886  |
| 28)                         | SA Decachlor... | 10.332 | 11.395 | 14164408 | 27209543 | 20.730  | 20.345  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 5.275  | 6.084  | 5621238  | 17299531 | 8.397   | 9.398   |
| 3)                          | MA gamma-BHC... | 5.698  | 6.480  | 5910672  | 15992807 | 8.812   | 9.223   |
| 6)                          | B beta-BHC      | 6.078  | 6.736  | 3487743  | 10091416 | 10.737m | 11.778  |
| 12)                         | B 4,4'-DDE      | 7.567  | 8.503  | 212688   | 622009   | 0.365m  | 0.422   |
| 14)                         | MA Endrin       | 7.986  | 8.896  | 25803410 | 58711625 | 45.511  | 50.688  |
| 16)                         | A 4,4'-DDD      | 8.154  | 9.042  | 1574423  | 4183012  | 3.099   | 3.476   |
| 17)                         | MA 4,4'-DDT     | 8.415  | 9.359  | 52081060 | 119.7E6  | 94.697  | 94.914  |
| 18)                         | B Endrin al...  | 8.487  | 9.266  | 882066   | 2096774  | 1.942   | 2.168   |
| 20)                         | A Methoxychlor  | 9.011  | 9.846  | 71578096 | 151.0E6  | 195.654 | 223.142 |
| 21)                         | B Endrin ke...  | 9.234  | 9.999  | 2454889  | 3775950  | 3.433   | 2.630   |
| -----                       |                 |        |        |          |          |         |         |

(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

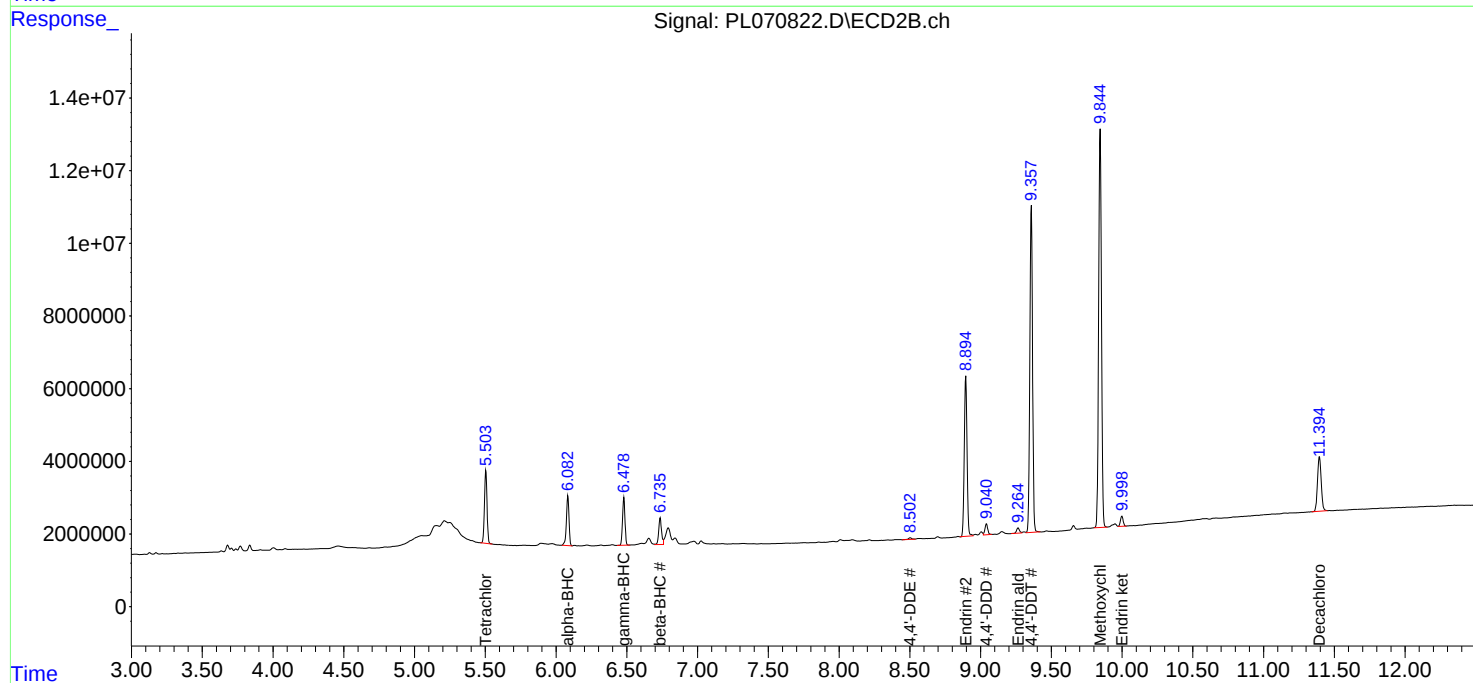
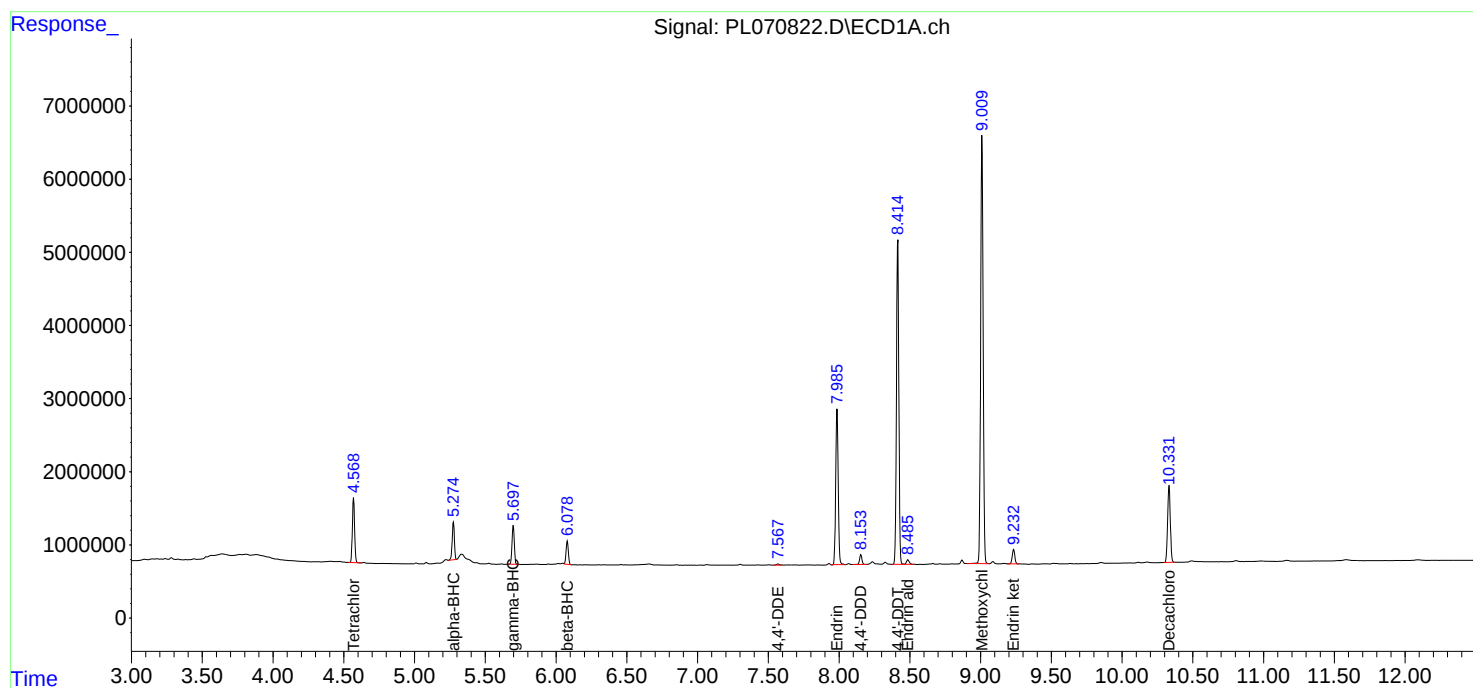
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

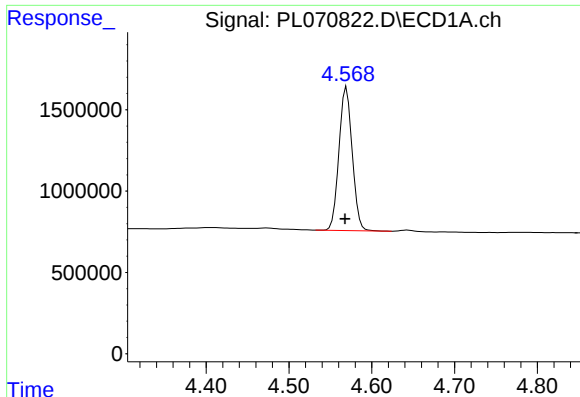
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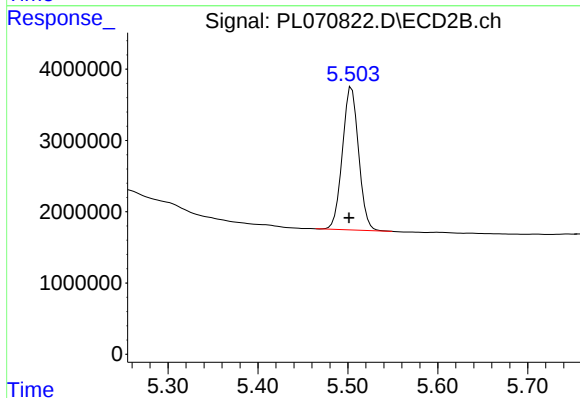
#1 Tetrachloro-m-xylene

R.T.: 4.569 min  
Delta R.T.: 0.001 min  
Response: 9790410  
Conc: 19.99 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

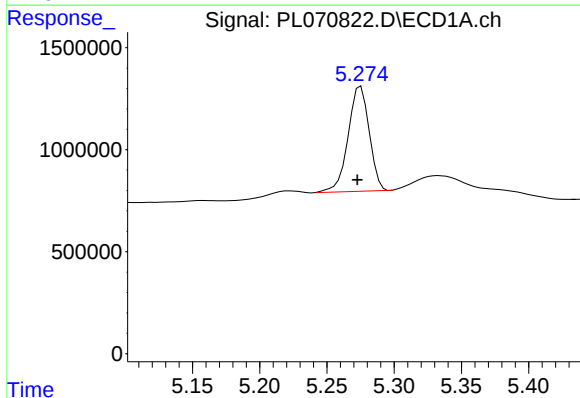
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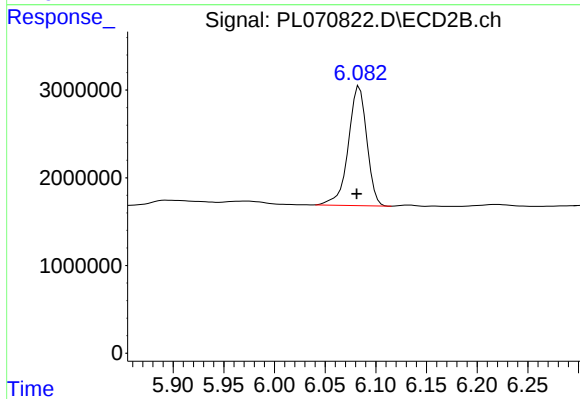
#1 Tetrachloro-m-xylene

R.T.: 5.504 min  
Delta R.T.: 0.003 min  
Response: 25073139  
Conc: 19.89 ng/ml



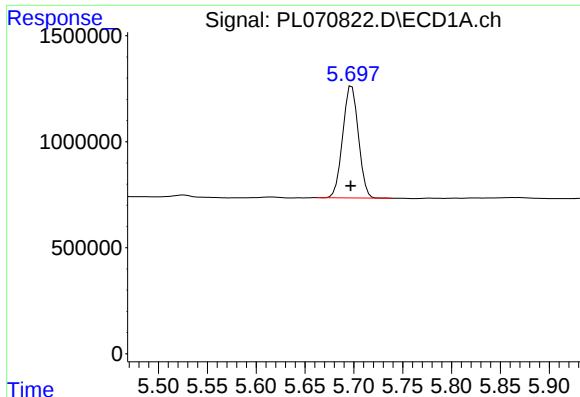
#2 alpha-BHC

R.T.: 5.275 min  
Delta R.T.: 0.002 min  
Response: 5621238  
Conc: 8.40 ng/ml



#2 alpha-BHC

R.T.: 6.084 min  
Delta R.T.: 0.003 min  
Response: 17299531  
Conc: 9.40 ng/ml



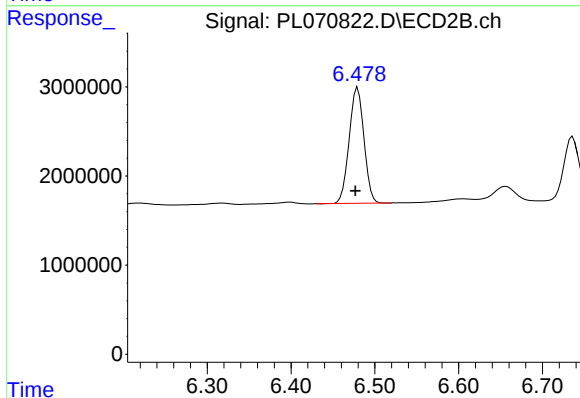
#3 gamma-BHC (Lindane)

R.T.: 5.698 min  
Delta R.T.: 0.001 min  
Response: 5910672  
Conc: 8.81 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

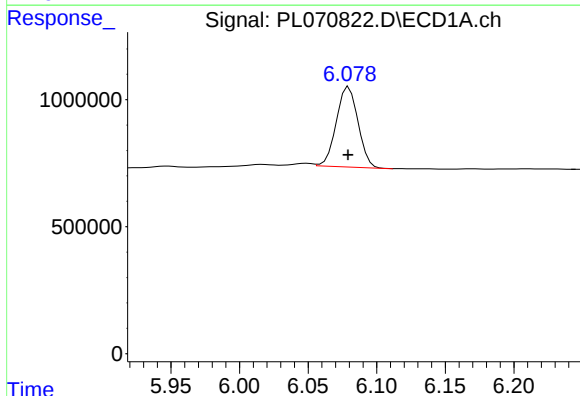
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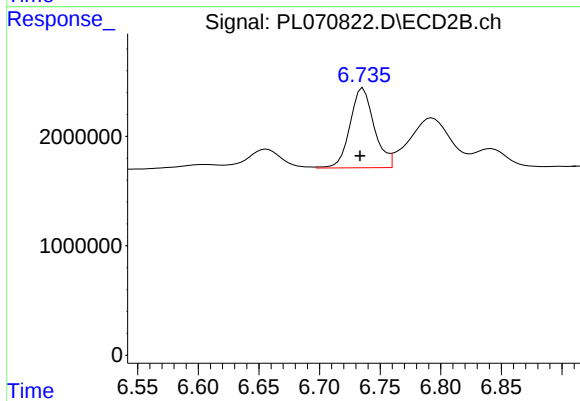
#3 gamma-BHC (Lindane)

R.T.: 6.480 min  
Delta R.T.: 0.003 min  
Response: 15992807  
Conc: 9.22 ng/ml



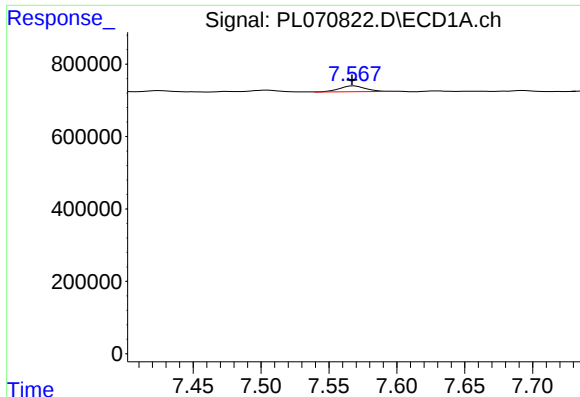
#6 beta-BHC

R.T.: 6.078 min  
Delta R.T.: 0.000 min  
Response: 3487743  
Conc: 10.74 ng/ml m



#6 beta-BHC

R.T.: 6.736 min  
Delta R.T.: 0.003 min  
Response: 10091416  
Conc: 11.78 ng/ml



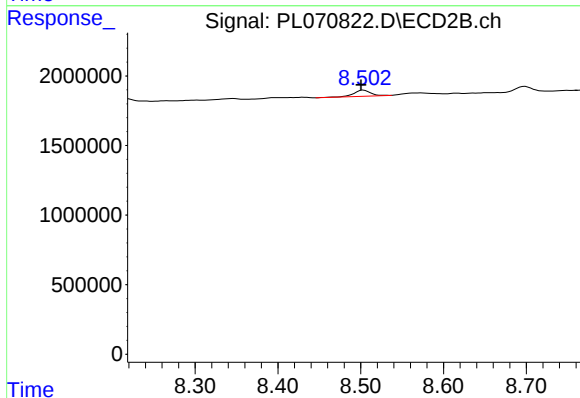
#12 4,4'-DDE

R.T.: 7.567 min  
Delta R.T.: 0.000 min  
Response: 212688  
Conc: 0.37 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

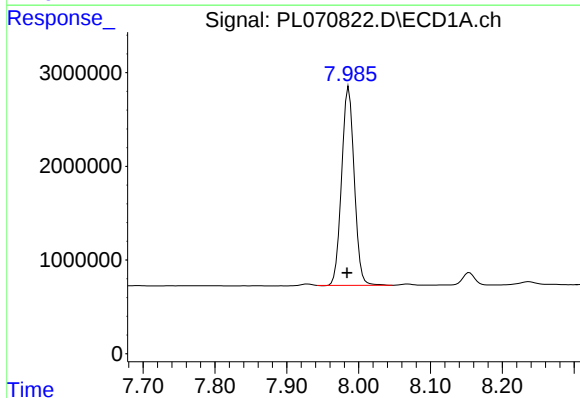
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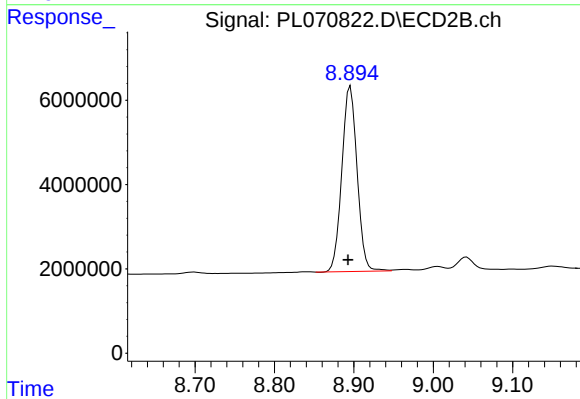
#12 4,4'-DDE

R.T.: 8.503 min  
Delta R.T.: 0.003 min  
Response: 622009  
Conc: 0.42 ng/ml



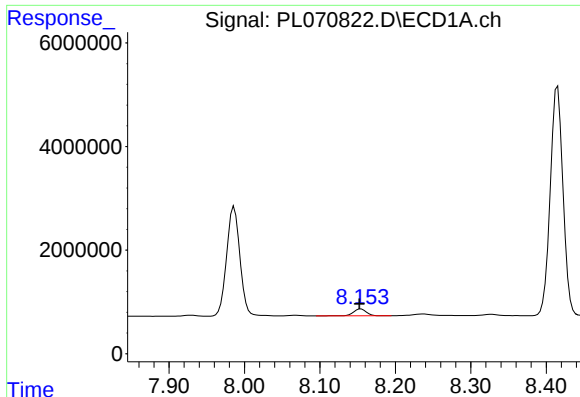
#14 Endrin

R.T.: 7.986 min  
Delta R.T.: 0.003 min  
Response: 25803410  
Conc: 45.51 ng/ml



#14 Endrin

R.T.: 8.896 min  
Delta R.T.: 0.003 min  
Response: 58711625  
Conc: 50.69 ng/ml



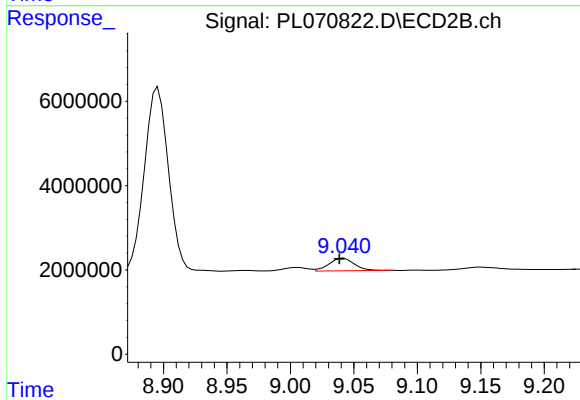
#16 4,4'-DDD

R.T.: 8.154 min  
Delta R.T.: 0.002 min  
Response: 1574423  
Conc: 3.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

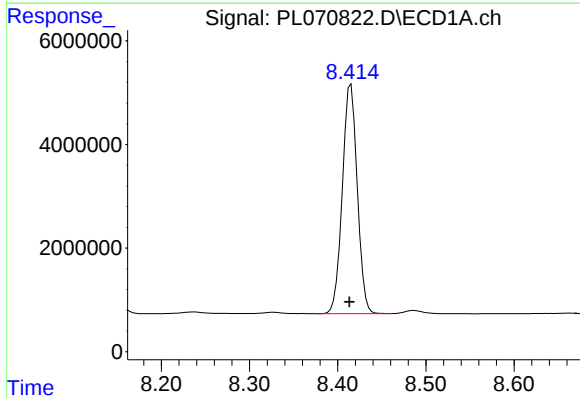
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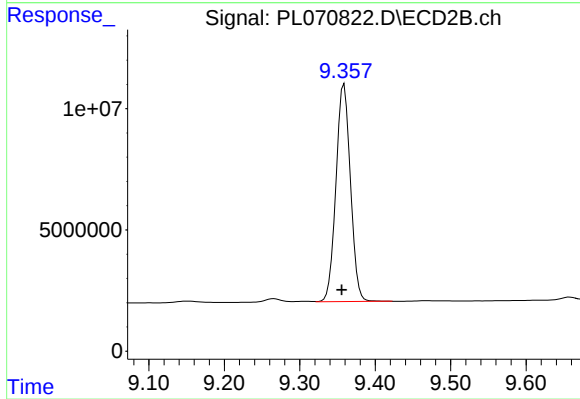
#16 4,4'-DDD

R.T.: 9.042 min  
Delta R.T.: 0.003 min  
Response: 4183012  
Conc: 3.48 ng/ml



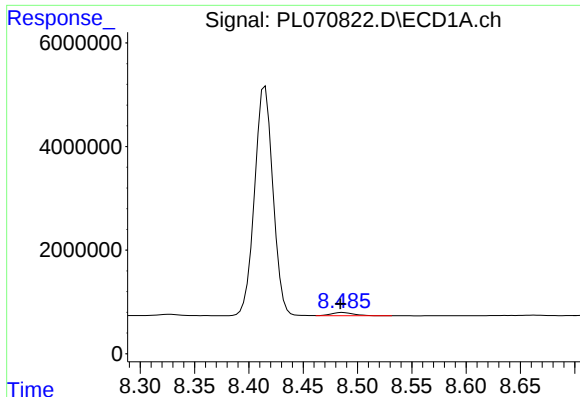
#17 4,4'-DDT

R.T.: 8.415 min  
Delta R.T.: 0.002 min  
Response: 52081060  
Conc: 94.70 ng/ml



#17 4,4'-DDT

R.T.: 9.359 min  
Delta R.T.: 0.003 min  
Response: 119741594  
Conc: 94.91 ng/ml



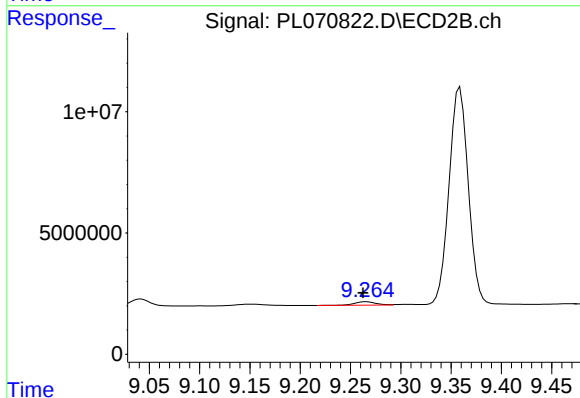
#18 Endrin aldehyde

R.T.: 8.487 min  
Delta R.T.: 0.002 min  
Response: 882066  
Conc: 1.94 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

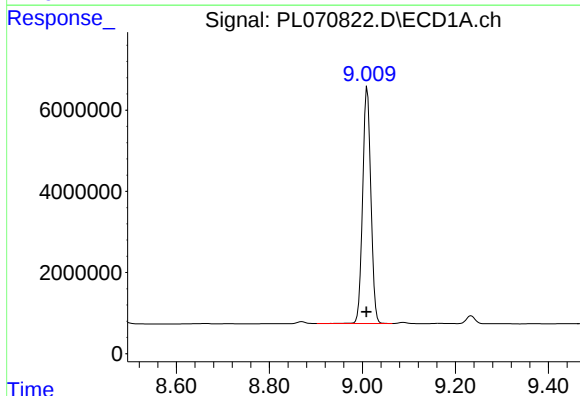
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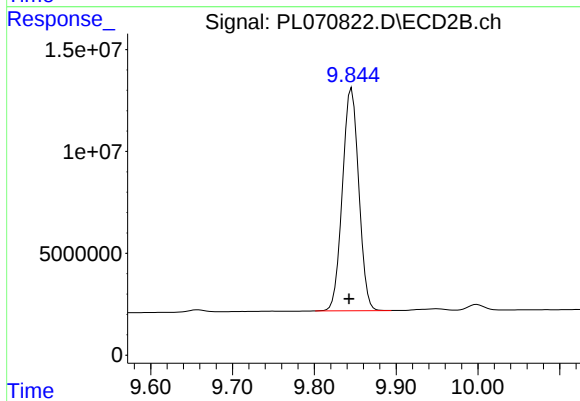
#18 Endrin aldehyde

R.T.: 9.266 min  
Delta R.T.: 0.003 min  
Response: 2096774  
Conc: 2.17 ng/ml



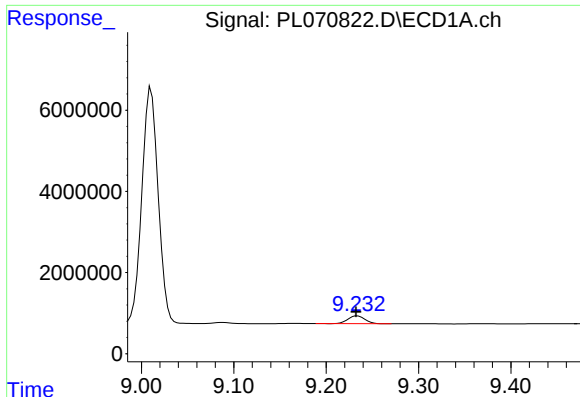
#20 Methoxychlor

R.T.: 9.011 min  
Delta R.T.: 0.002 min  
Response: 71578096  
Conc: 195.65 ng/ml



#20 Methoxychlor

R.T.: 9.846 min  
Delta R.T.: 0.003 min  
Response: 151023304  
Conc: 223.14 ng/ml



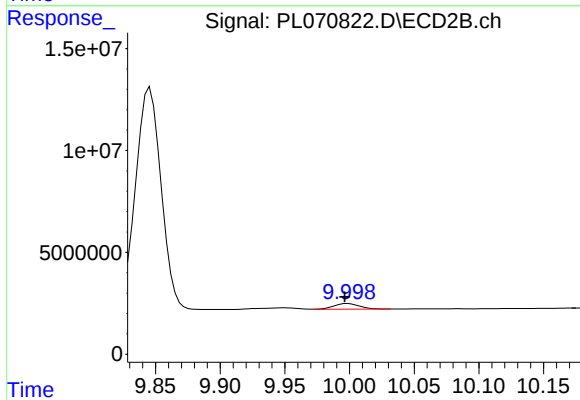
#21 Endrin ketone

R.T.: 9.234 min  
Delta R.T.: 0.002 min  
Response: 2454889  
Conc: 3.43 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

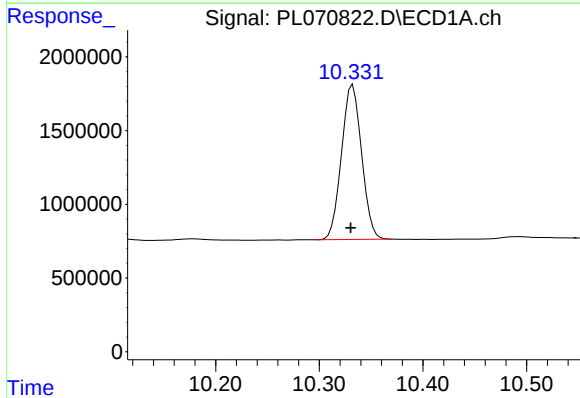
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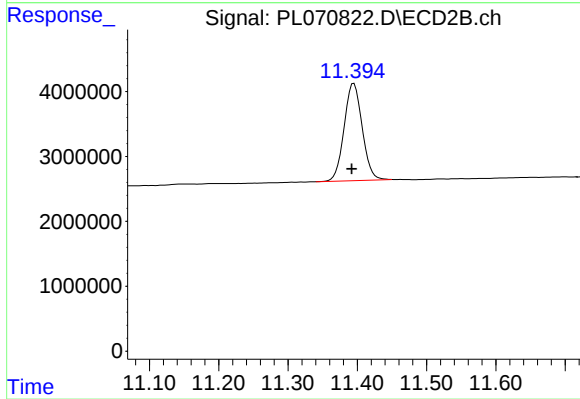
#21 Endrin ketone

R.T.: 9.999 min  
Delta R.T.: 0.003 min  
Response: 3775950  
Conc: 2.63 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.332 min  
Delta R.T.: 0.002 min  
Response: 14164408  
Conc: 20.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.395 min  
Delta R.T.: 0.003 min  
Response: 27209543  
Conc: 20.35 ng/ml