

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL042622\  
 Data File : PL074381.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 26 Apr 2022 18:26  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 04/27/2022  
 Supervised By : mohammad ahmed 04/28/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Apr 26 20:52:19 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL040822.M  
 Quant Title : GC Extractables  
 QLast Update : Thu Apr 14 09:29:23 2022  
 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... | 4.635  | 5.489  | 7141577  | 38266649 | 22.103  | 21.462  |
| 28)                         | SA Decachlor... | 10.404 | 11.332 | 10581226 | 38305987 | 20.347  | 21.687  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 5.342  | 6.052  | 4284728  | 23636104 | 10.210  | 9.387   |
| 3)                          | MA gamma-BHC... | 5.766  | 6.442  | 4218519  | 23021985 | 10.059  | 9.726   |
| 6)                          | B beta-BHC      | 6.146  | 6.679  | 2429981  | 12698340 | 11.893  | 11.267  |
| 12)                         | B 4,4'-DDE      | 7.640  | 8.461  | 149043   | 692784   | 0.409   | 0.348   |
| 14)                         | MA Endrin       | 8.059  | 8.845  | 20134638 | 86542288 | 49.564  | 51.098  |
| 16)                         | A 4,4'-DDD      | 8.225  | 8.988  | 1507294  | 9267754  | 4.668   | 6.023 # |
| 17)                         | MA 4,4'-DDT     | 8.486  | 9.307  | 35340517 | 157.3E6  | 95.608  | 88.732  |
| 18)                         | B Endrin al...  | 8.559  | 9.202  | 351917   | 530405   | 1.088   | 0.411m# |
| 20)                         | A Methoxychlor  | 9.081  | 9.787  | 52340790 | 203.0E6  | 210.823 | 211.045 |
| 21)                         | B Endrin ke...  | 9.307  | 9.928  | 1254298  | 4241254  | 2.567   | 2.450   |
| -----                       |                 |        |        |          |          |         |         |

(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

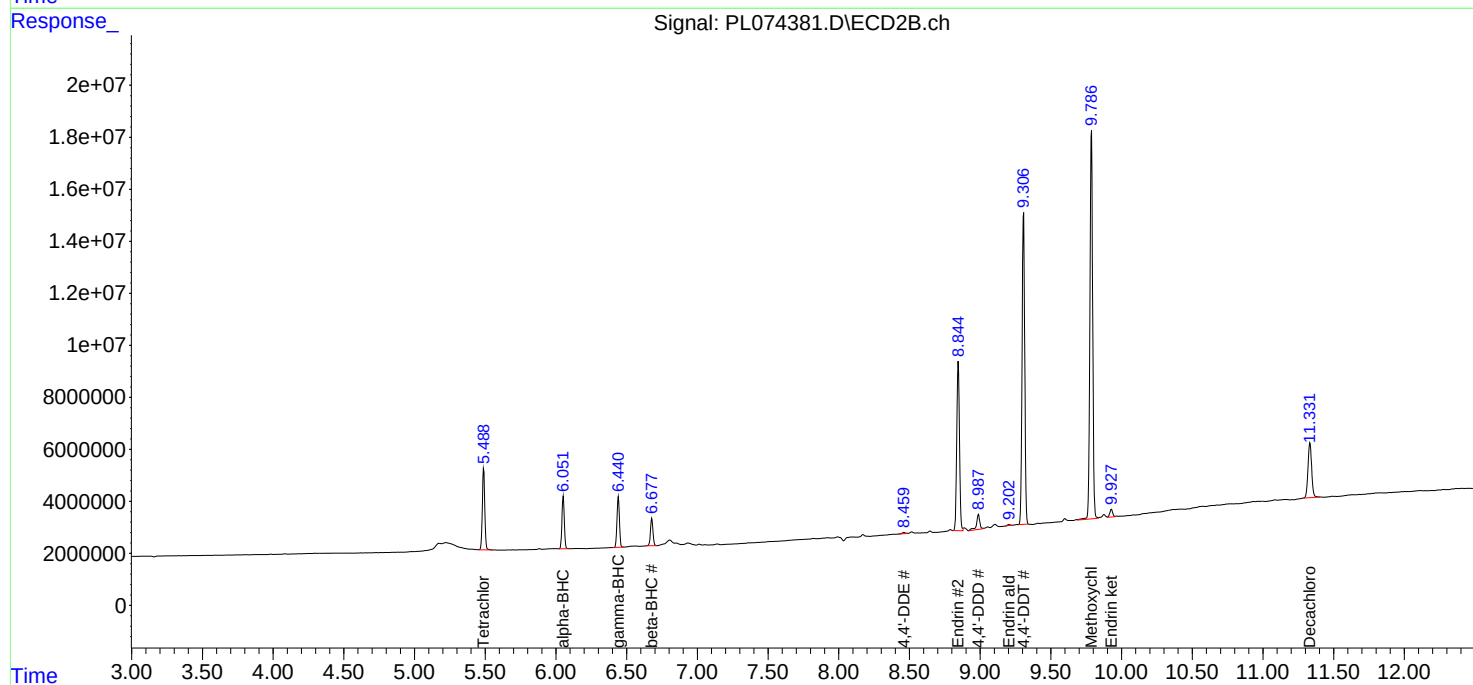
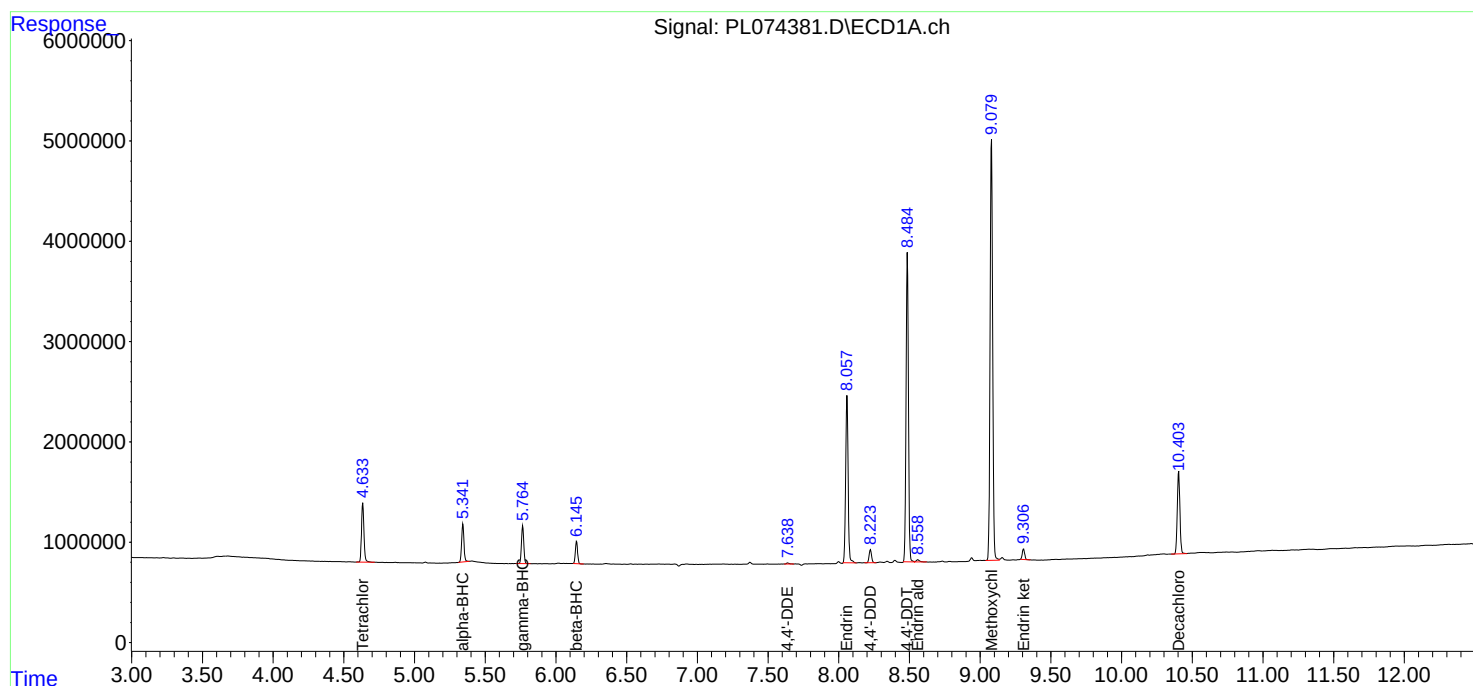
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

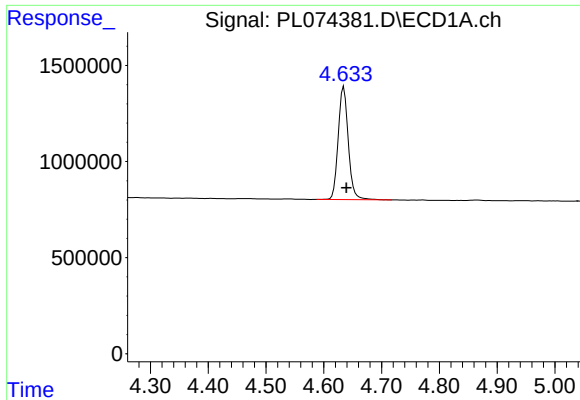
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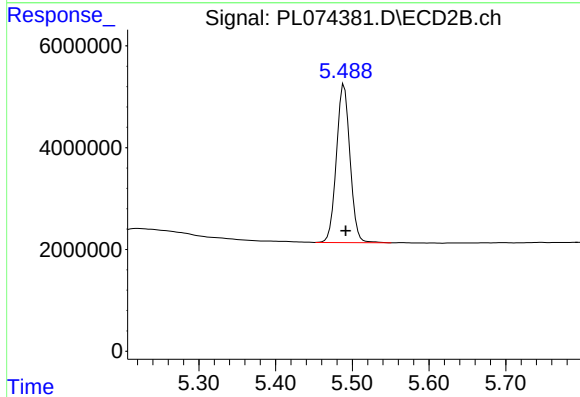
#1 Tetrachloro-m-xylene

R.T.: 4.635 min  
Delta R.T.: -0.004 min  
Response: 7141577  
Conc: 22.10 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

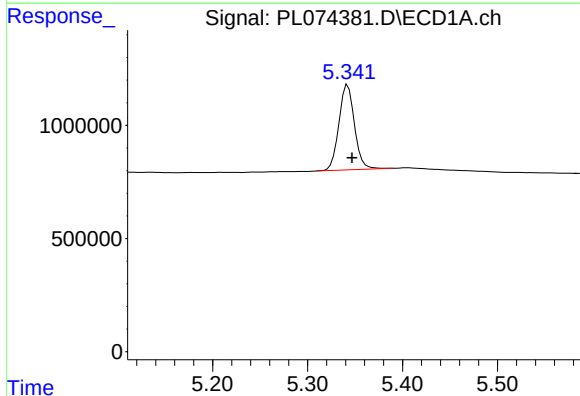
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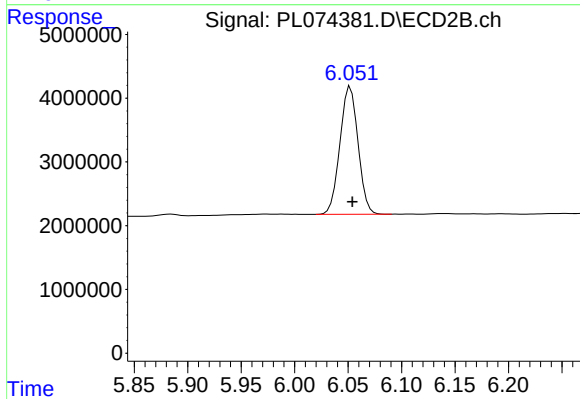
#1 Tetrachloro-m-xylene

R.T.: 5.489 min  
Delta R.T.: -0.002 min  
Response: 38266649  
Conc: 21.46 ng/ml



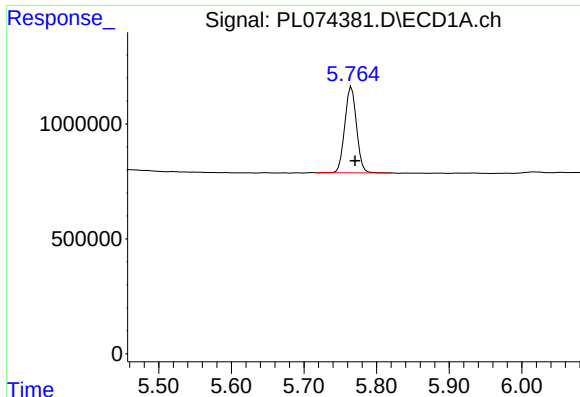
#2 alpha-BHC

R.T.: 5.342 min  
Delta R.T.: -0.005 min  
Response: 4284728  
Conc: 10.21 ng/ml



#2 alpha-BHC

R.T.: 6.052 min  
Delta R.T.: -0.002 min  
Response: 23636104  
Conc: 9.39 ng/ml



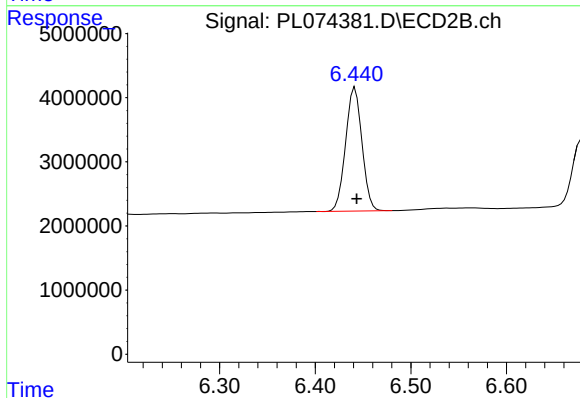
#3 gamma-BHC (Lindane)

R.T.: 5.766 min  
Delta R.T.: -0.005 min  
Response: 4218519  
Conc: 10.06 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

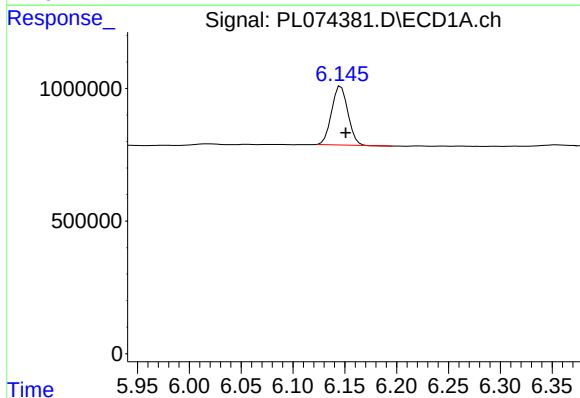
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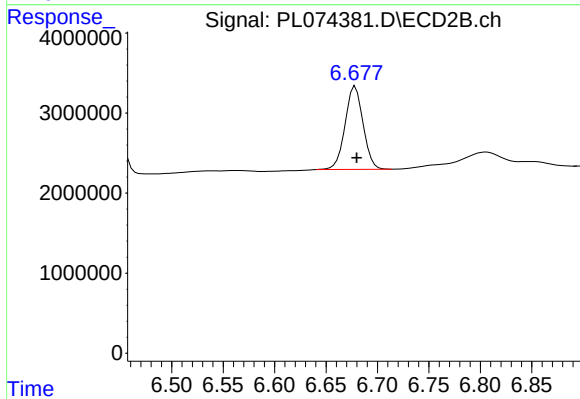
#3 gamma-BHC (Lindane)

R.T.: 6.442 min  
Delta R.T.: -0.001 min  
Response: 23021985  
Conc: 9.73 ng/ml



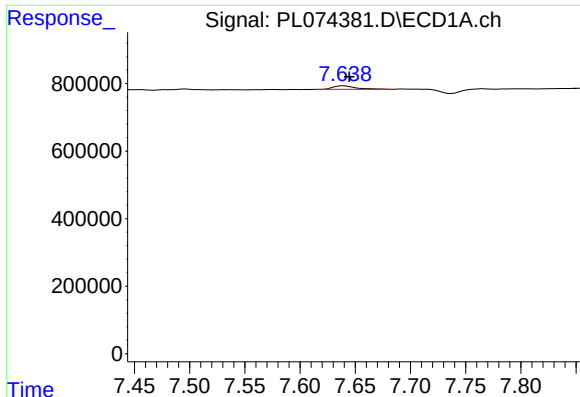
#6 beta-BHC

R.T.: 6.146 min  
Delta R.T.: -0.005 min  
Response: 2429981  
Conc: 11.89 ng/ml



#6 beta-BHC

R.T.: 6.679 min  
Delta R.T.: -0.001 min  
Response: 12698340  
Conc: 11.27 ng/ml



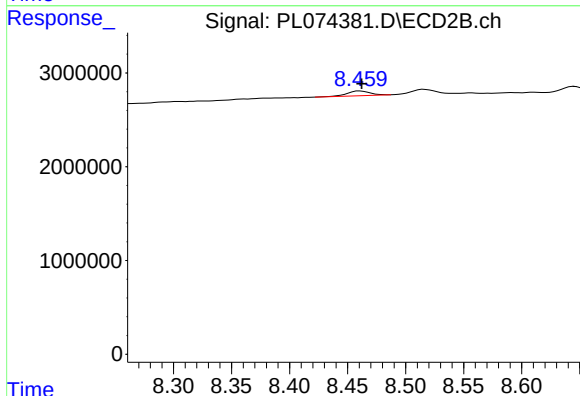
#12 4,4'-DDE

R.T.: 7.640 min  
Delta R.T.: -0.005 min  
Response: 149043  
Conc: 0.41 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

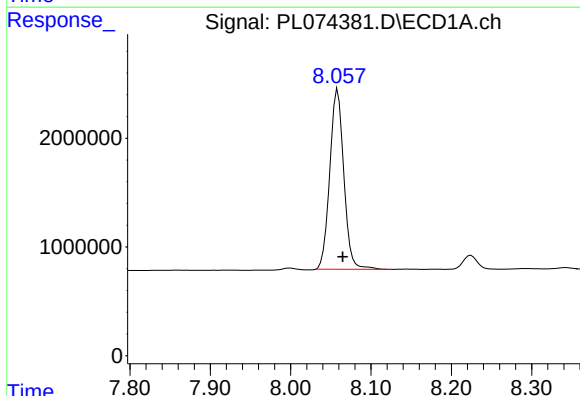
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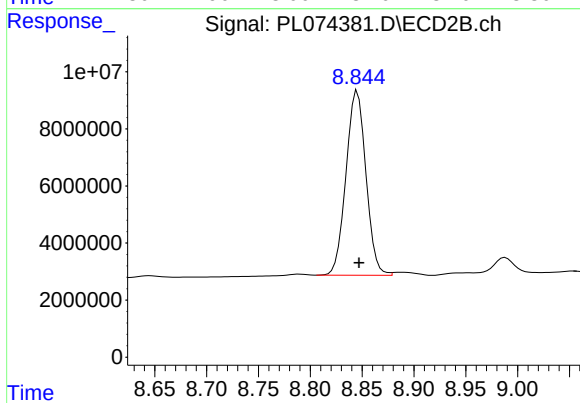
#12 4,4'-DDE

R.T.: 8.461 min  
Delta R.T.: -0.002 min  
Response: 692784  
Conc: 0.35 ng/ml



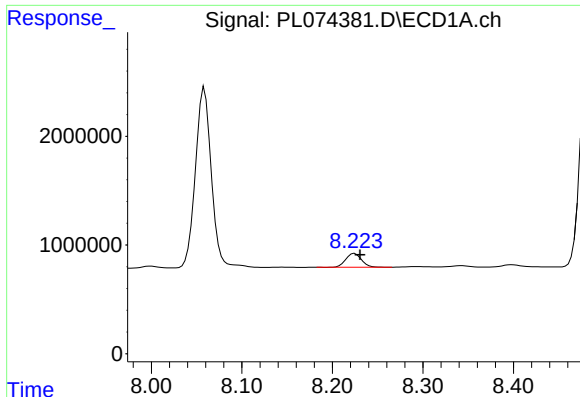
#14 Endrin

R.T.: 8.059 min  
Delta R.T.: -0.006 min  
Response: 20134638  
Conc: 49.56 ng/ml



#14 Endrin

R.T.: 8.845 min  
Delta R.T.: -0.002 min  
Response: 86542288  
Conc: 51.10 ng/ml



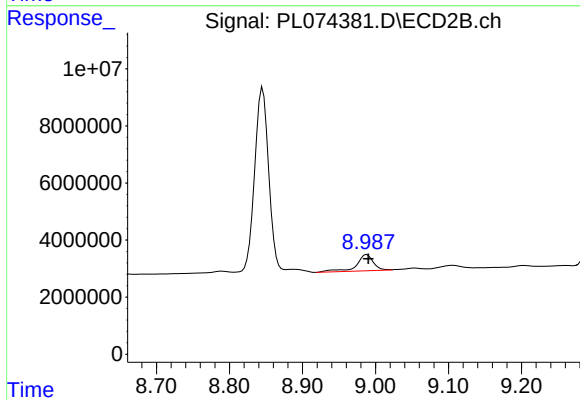
#16 4,4'-DDD

R.T.: 8.225 min  
Delta R.T.: -0.006 min  
Response: 1507294  
Conc: 4.67 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

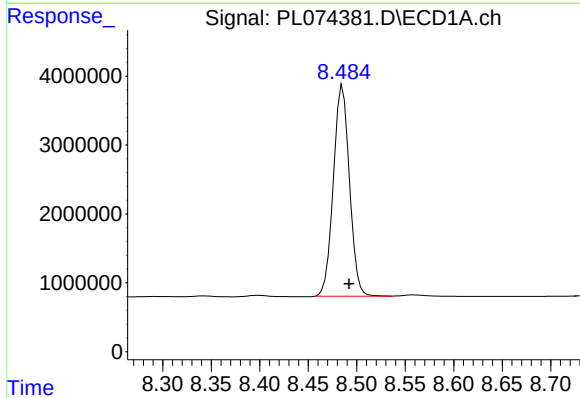
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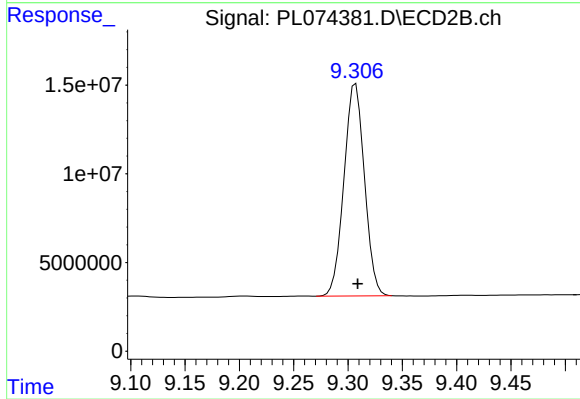
#16 4,4'-DDD

R.T.: 8.988 min  
Delta R.T.: -0.002 min  
Response: 9267754  
Conc: 6.02 ng/ml



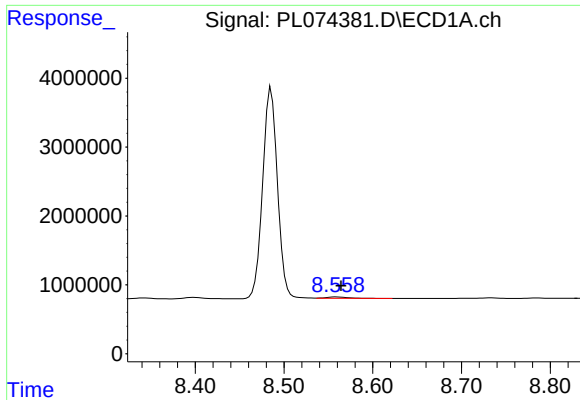
#17 4,4'-DDT

R.T.: 8.486 min  
Delta R.T.: -0.007 min  
Response: 35340517  
Conc: 95.61 ng/ml



#17 4,4'-DDT

R.T.: 9.307 min  
Delta R.T.: -0.002 min  
Response: 157292494  
Conc: 88.73 ng/ml



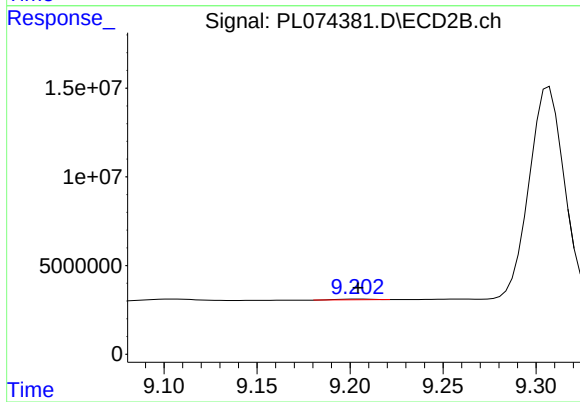
#18 Endrin aldehyde

R.T.: 8.559 min  
Delta R.T.: -0.005 min  
Response: 351917  
Conc: 1.09 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

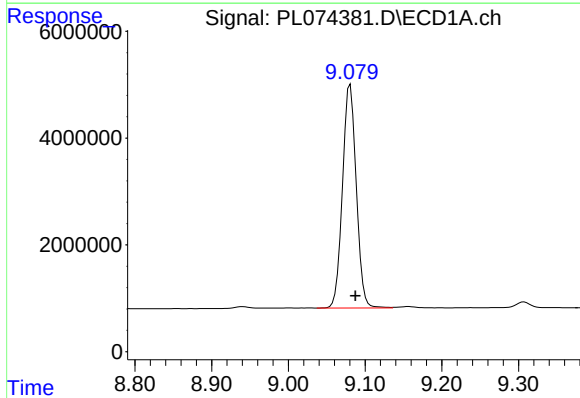
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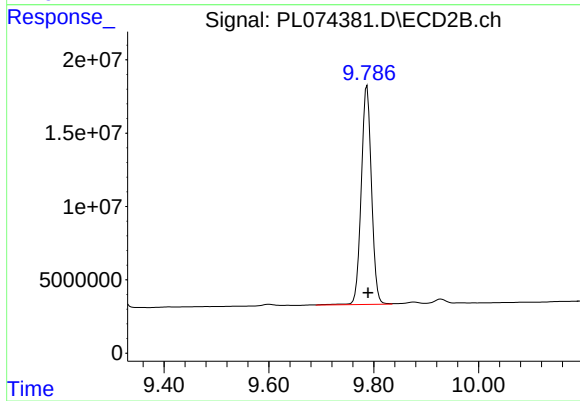
#18 Endrin aldehyde

R.T.: 9.202 min  
Delta R.T.: -0.002 min  
Response: 530405  
Conc: 0.41 ng/ml m



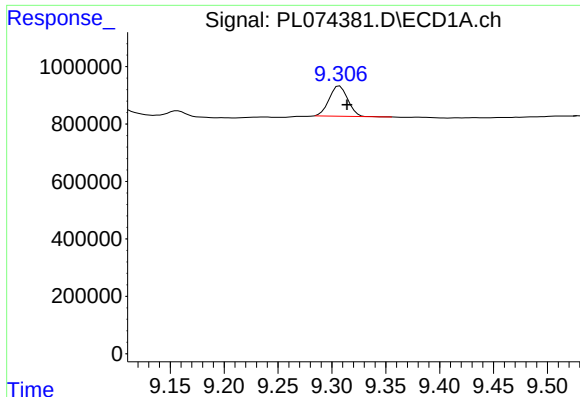
#20 Methoxychlor

R.T.: 9.081 min  
Delta R.T.: -0.007 min  
Response: 52340790  
Conc: 210.82 ng/ml



#20 Methoxychlor

R.T.: 9.787 min  
Delta R.T.: -0.002 min  
Response: 202992398  
Conc: 211.04 ng/ml



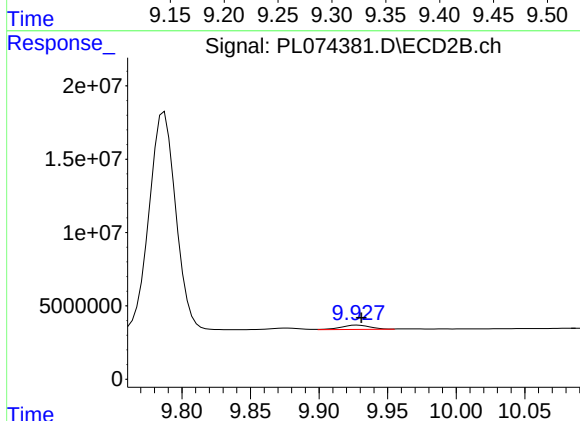
#21 Endrin ketone

R.T.: 9.307 min  
Delta R.T.: -0.007 min  
Response: 1254298  
Conc: 2.57 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

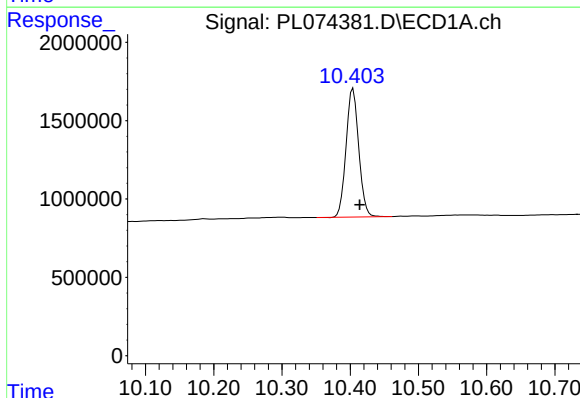
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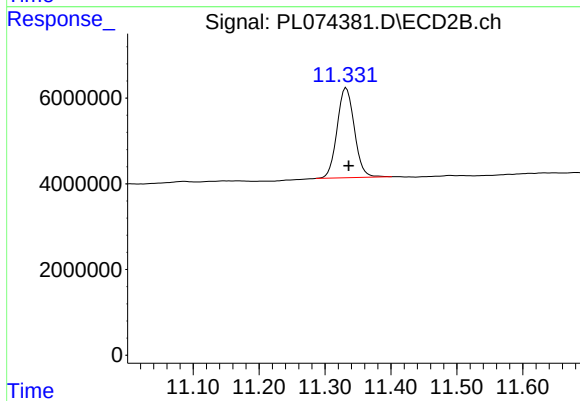
#21 Endrin ketone

R.T.: 9.928 min  
Delta R.T.: -0.003 min  
Response: 4241254  
Conc: 2.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 10.404 min  
Delta R.T.: -0.010 min  
Response: 10581226  
Conc: 20.35 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.332 min  
Delta R.T.: -0.004 min  
Response: 38305987  
Conc: 21.69 ng/ml