

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_L\Data\PL122121\  
 Data File : PL071543.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 21 Dec 2021 08:46  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_L  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 12/22/2021  
 Supervised By : mohammad ahmed 12/22/2021

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Dec 22 00:30:29 2021  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_L\methods\PL121421.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Dec 14 14:29:34 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... | 4.563  | 5.500  | 10431222 | 26521286 | 22.007  | 22.262  |
| 28)                         | SA Decachlor... | 10.324 | 11.391 | 16200248 | 24948314 | 24.383  | 22.962  |
| Target Compounds            |                 |        |        |          |          |         |         |
| 2)                          | A alpha-BHC     | 5.269  | 6.081  | 6466753  | 17983740 | 10.168  | 10.458  |
| 3)                          | MA gamma-BHC... | 5.692  | 6.476  | 6405106  | 16574786 | 9.802   | 10.385  |
| 6)                          | B beta-BHC      | 6.076  | 6.735  | 3864910  | 10785987 | 13.535  | 13.475  |
| 12)                         | B 4,4'-DDE      | 7.561  | 8.499  | 170007   | 411385   | 0.312   | 0.345   |
| 14)                         | MA Endrin       | 7.980  | 8.893  | 30805613 | 58175341 | 56.244  | 57.423  |
| 16)                         | A 4,4'-DDD      | 8.147  | 9.039  | 948677   | 2186160  | 2.016   | 2.477   |
| 17)                         | MA 4,4'-DDT     | 8.408  | 9.356  | 60388636 | 117.9E6  | 118.330 | 119.242 |
| 18)                         | B Endrin al...  | 8.480  | 9.264  | 404221   | 797862   | 0.951m  | 1.059   |
| 20)                         | A Methoxychlor  | 9.004  | 9.843  | 80555966 | 142.7E6  | 248.708 | 284.282 |
| 21)                         | B Endrin ke...  | 9.228  | 9.995  | 1486957  | 1672435  | 2.254   | 1.590m# |
| -----                       |                 |        |        |          |          |         |         |

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

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Acq On : 21 Dec 2021 08:46  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

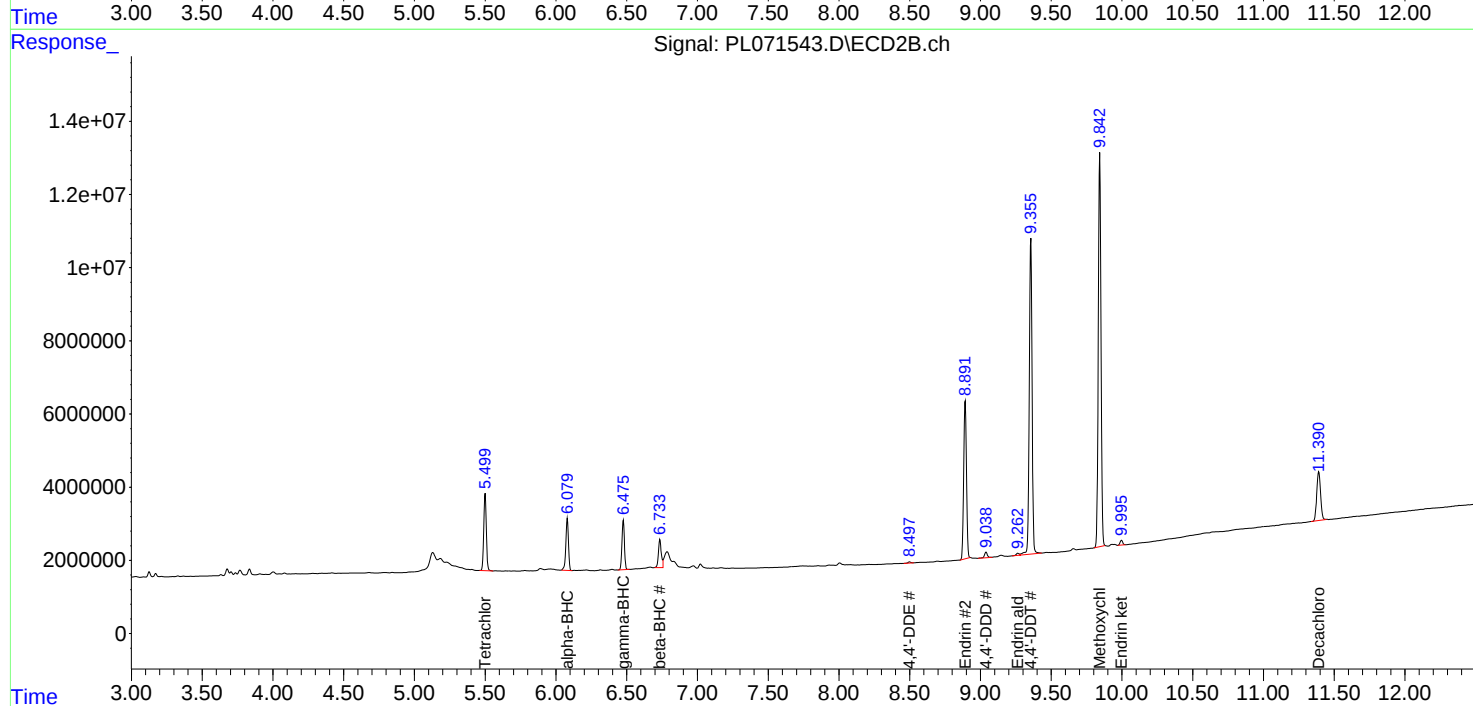
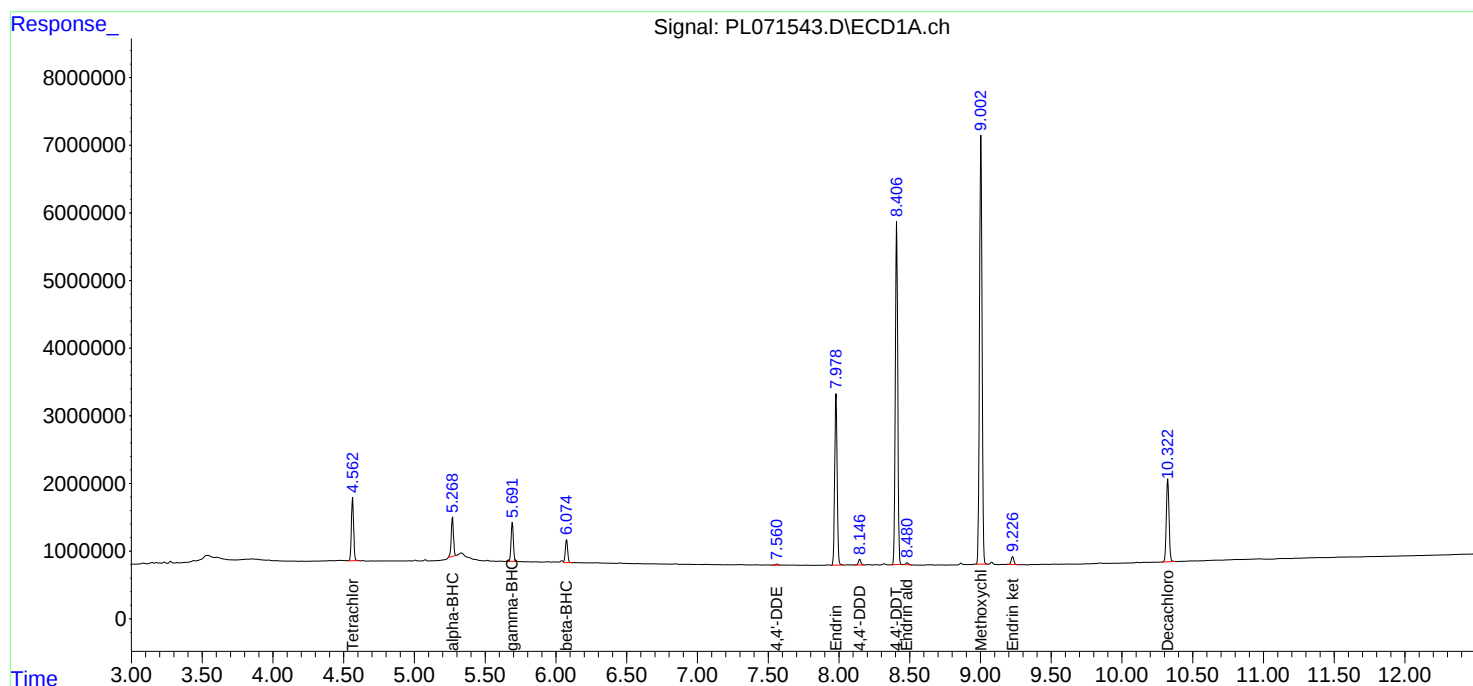
Instrument :  
ECD\_L  
ClientSampleId :  
PEM

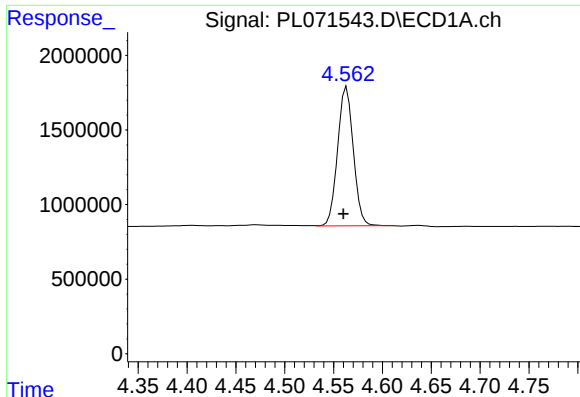
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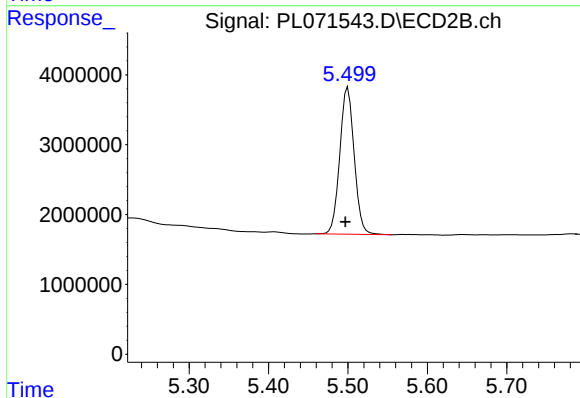
#1 Tetrachloro-m-xylene

R.T.: 4.563 min  
Delta R.T.: 0.003 min  
Response: 10431222  
Conc: 22.01 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

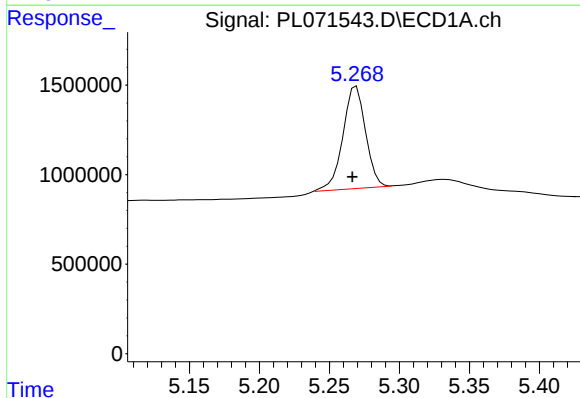
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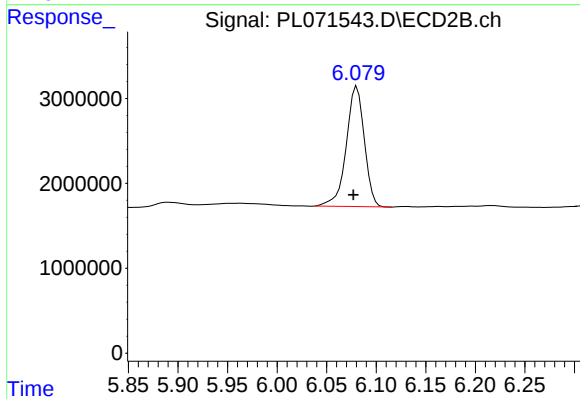
#1 Tetrachloro-m-xylene

R.T.: 5.500 min  
Delta R.T.: 0.003 min  
Response: 26521286  
Conc: 22.26 ng/ml



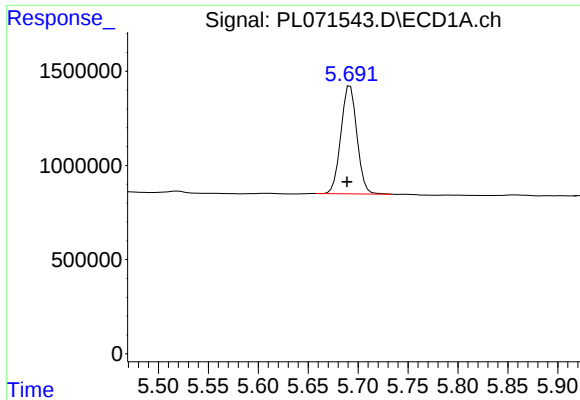
#2 alpha-BHC

R.T.: 5.269 min  
Delta R.T.: 0.003 min  
Response: 6466753  
Conc: 10.17 ng/ml



#2 alpha-BHC

R.T.: 6.081 min  
Delta R.T.: 0.004 min  
Response: 17983740  
Conc: 10.46 ng/ml



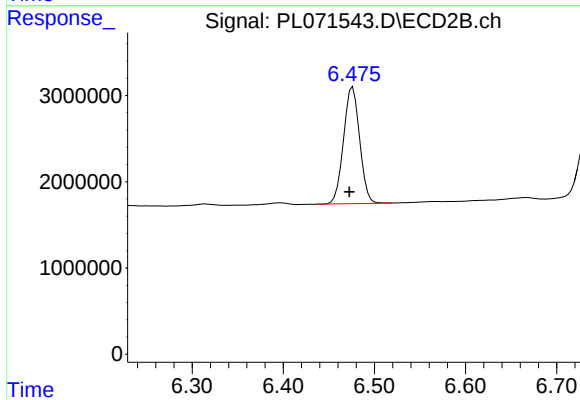
#3 gamma-BHC (Lindane)

R.T.: 5.692 min  
Delta R.T.: 0.003 min  
Response: 6405106  
Conc: 9.80 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

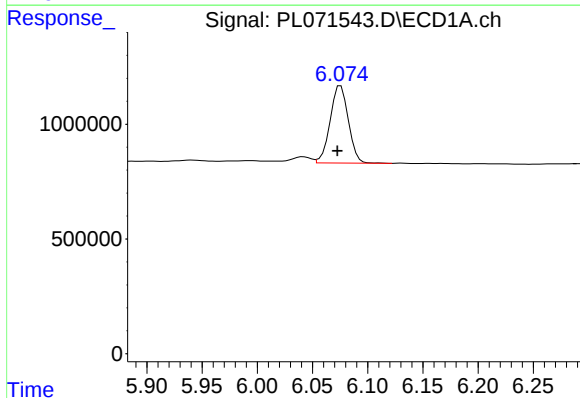
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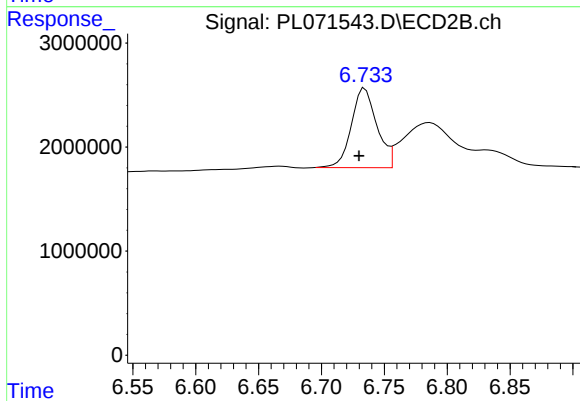
#3 gamma-BHC (Lindane)

R.T.: 6.476 min  
Delta R.T.: 0.004 min  
Response: 16574786  
Conc: 10.38 ng/ml



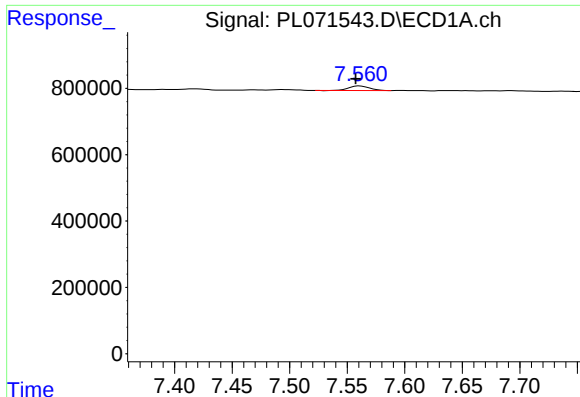
#6 beta-BHC

R.T.: 6.076 min  
Delta R.T.: 0.003 min  
Response: 3864910  
Conc: 13.53 ng/ml



#6 beta-BHC

R.T.: 6.735 min  
Delta R.T.: 0.005 min  
Response: 10785987  
Conc: 13.47 ng/ml



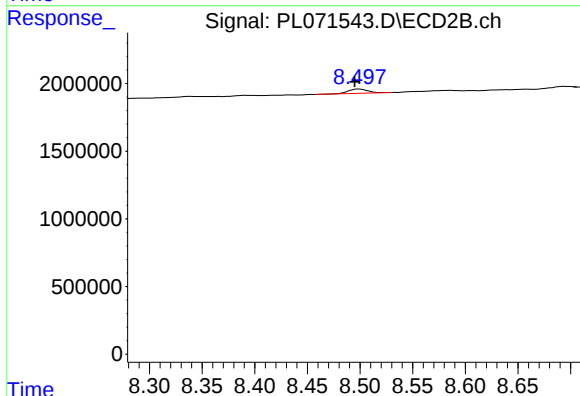
#12 4,4'-DDE

R.T.: 7.561 min  
Delta R.T.: 0.004 min  
Response: 170007  
Conc: 0.31 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

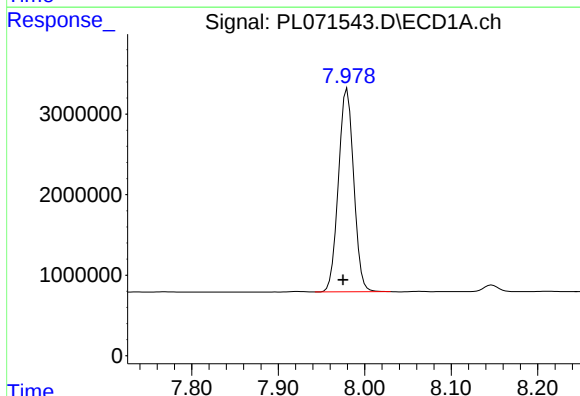
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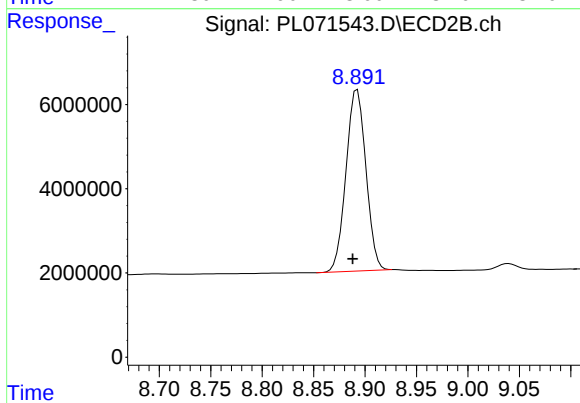
#12 4,4'-DDE

R.T.: 8.499 min  
Delta R.T.: 0.004 min  
Response: 411385  
Conc: 0.35 ng/ml



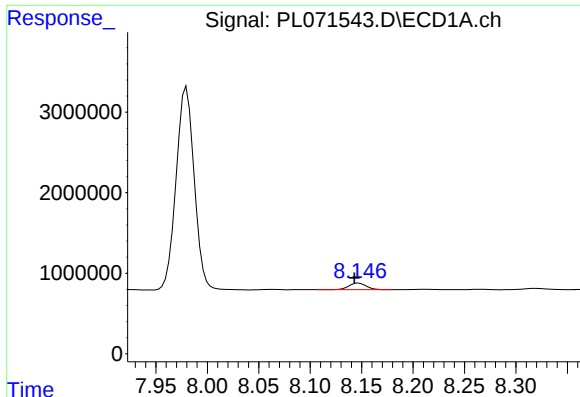
#14 Endrin

R.T.: 7.980 min  
Delta R.T.: 0.005 min  
Response: 30805613  
Conc: 56.24 ng/ml



#14 Endrin

R.T.: 8.893 min  
Delta R.T.: 0.005 min  
Response: 58175341  
Conc: 57.42 ng/ml



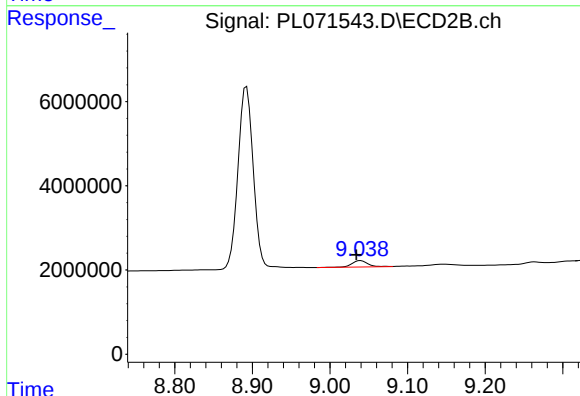
#16 4,4'-DDD

R.T.: 8.147 min  
Delta R.T.: 0.004 min  
Response: 948677  
Conc: 2.02 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

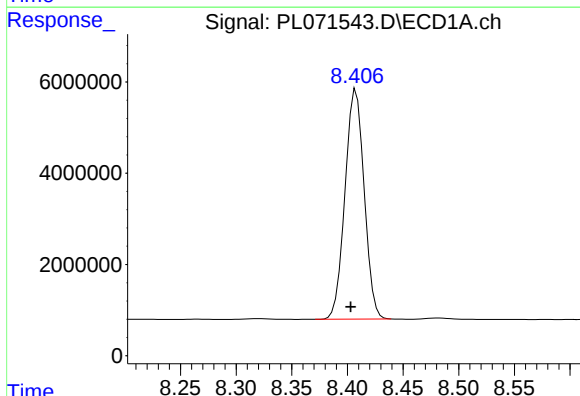
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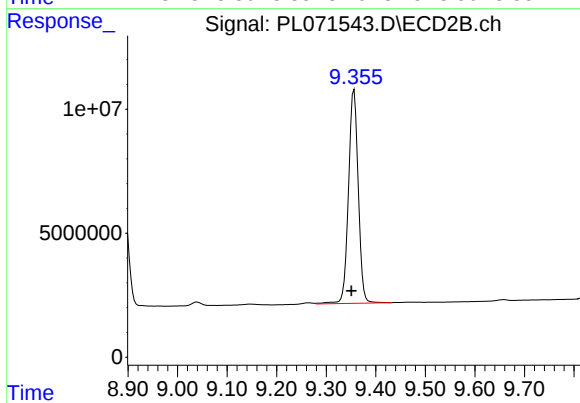
#16 4,4'-DDD

R.T.: 9.039 min  
Delta R.T.: 0.005 min  
Response: 2186160  
Conc: 2.48 ng/ml



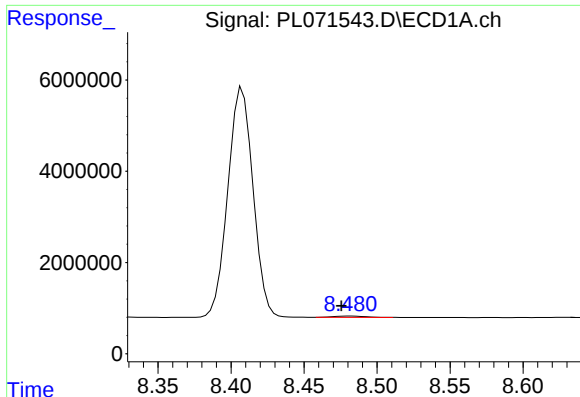
#17 4,4'-DDT

R.T.: 8.408 min  
Delta R.T.: 0.005 min  
Response: 60388636  
Conc: 118.33 ng/ml



#17 4,4'-DDT

R.T.: 9.356 min  
Delta R.T.: 0.005 min  
Response: 117913200  
Conc: 119.24 ng/ml



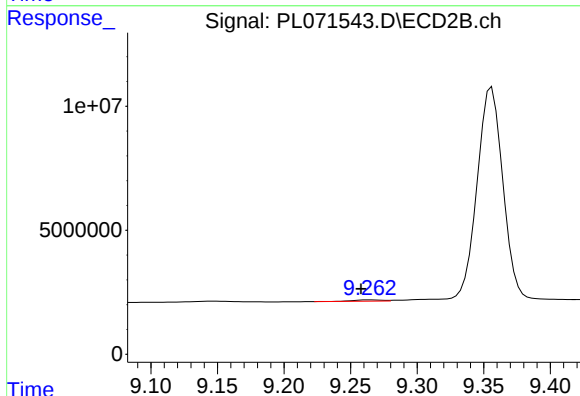
#18 Endrin aldehyde

R.T.: 8.480 min  
Delta R.T.: 0.004 min  
Response: 404221  
Conc: 0.95 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

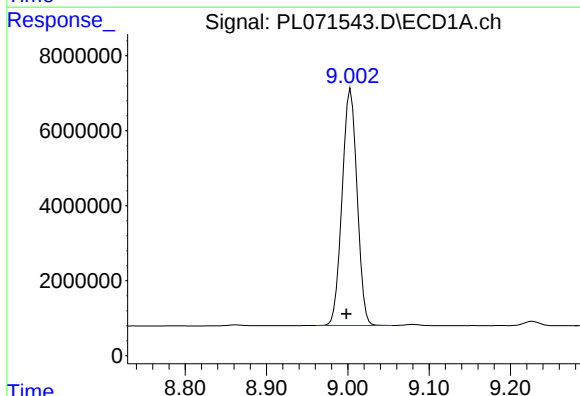
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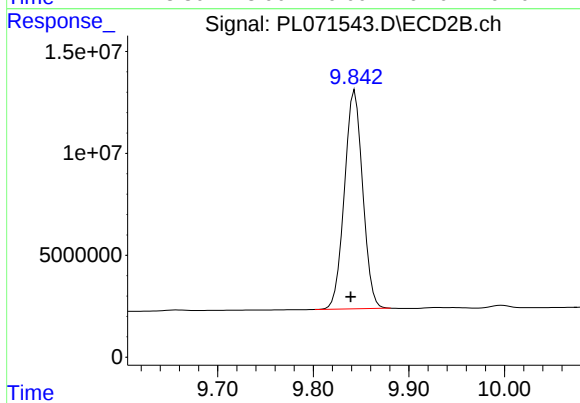
#18 Endrin aldehyde

R.T.: 9.264 min  
Delta R.T.: 0.006 min  
Response: 797862  
Conc: 1.06 ng/ml



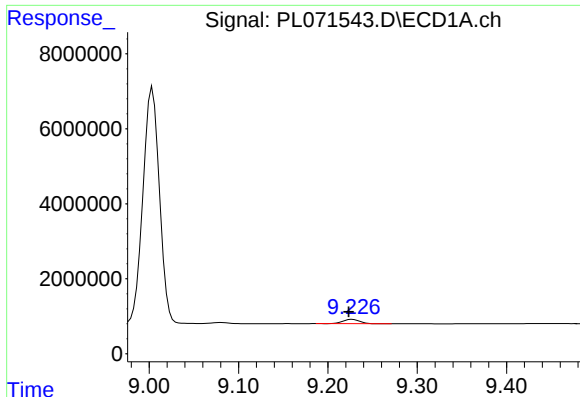
#20 Methoxychlor

R.T.: 9.004 min  
Delta R.T.: 0.005 min  
Response: 80555966  
Conc: 248.71 ng/ml



#20 Methoxychlor

R.T.: 9.843 min  
Delta R.T.: 0.004 min  
Response: 142701650  
Conc: 284.28 ng/ml



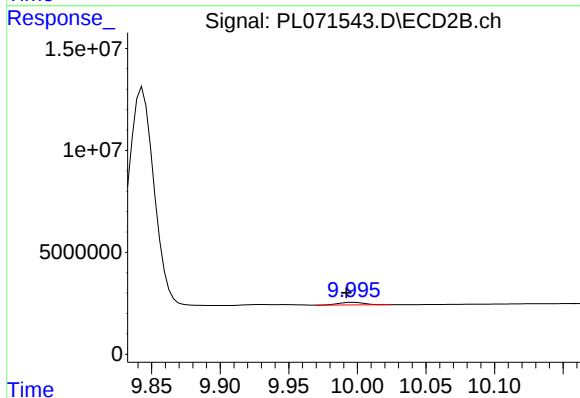
#21 Endrin ketone

R.T.: 9.228 min  
Delta R.T.: 0.004 min  
Response: 1486957  
Conc: 2.25 ng/ml

Instrument :  
ECD\_L  
ClientSampleId :  
PEM

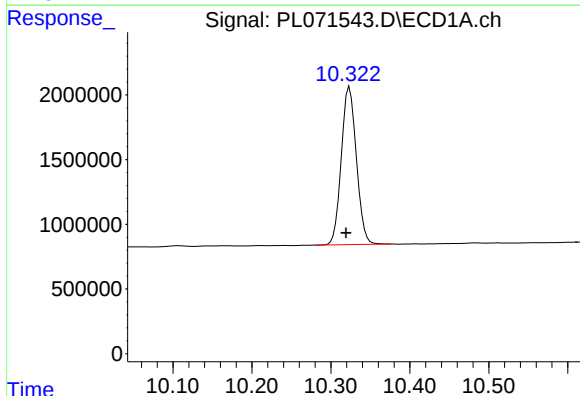
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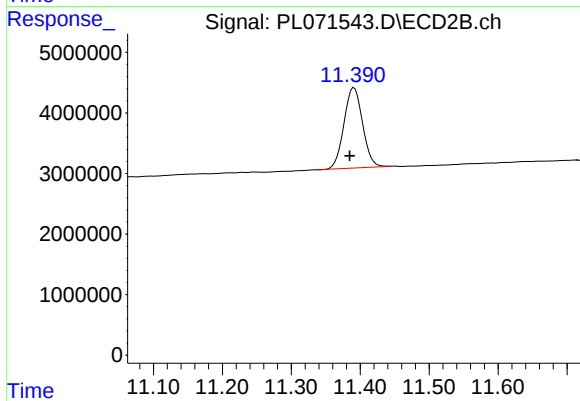
#21 Endrin ketone

R.T.: 9.995 min  
Delta R.T.: 0.003 min  
Response: 1672435  
Conc: 1.59 ng/ml m



#28 Decachlorobiphenyl

R.T.: 10.324 min  
Delta R.T.: 0.005 min  
Response: 16200248  
Conc: 24.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 11.391 min  
Delta R.T.: 0.006 min  
Response: 24948314  
Conc: 22.96 ng/ml