

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD022023\  
 Data File : PD074016.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Feb 2023 22:52  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 02/21/2023  
 Supervised By : Ankita Jodhani 02/21/2023

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 21 01:49:44 2023  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD022023.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Feb 21 01:16:15 2023  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 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 x 0.25µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.553 | 2.775 | 48534989 | 24533427 | 19.391  | 18.935  |
| 28)                         | SA Decachlor... | 9.102 | 7.932 | 58401271 | 26479839 | 20.108  | 19.596  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 4.010 | 3.278 | 37857184 | 17856677 | 8.853   | 9.009   |
| 3)                          | MA gamma-BHC... | 4.343 | 3.609 | 36564383 | 16713661 | 9.342   | 9.136   |
| 6)                          | B beta-BHC      | 4.537 | 3.904 | 17492939 | 8374837  | 10.611  | 10.551  |
| 12)                         | B 4,4'-DDE      | 6.215 | 5.244 | 379131   | 463835   | 0.117m  | 0.297 # |
| 14)                         | MA Endrin       | 6.601 | 5.647 | 132.5E6  | 64549431 | 45.031  | 44.866  |
| 16)                         | A 4,4'-DDD      | 6.733 | 5.797 | 2071315  | 1578845  | 0.783   | 1.215 # |
| 17)                         | MA 4,4'-DDT     | 7.049 | 6.048 | 286.7E6  | 130.0E6  | 95.620  | 95.973  |
| 18)                         | B Endrin al...  | 6.949 | 6.122 | 3822540  | 3123429  | 1.667   | 2.855 # |
| 20)                         | A Methoxychlor  | 7.524 | 6.624 | 379.1E6  | 156.8E6  | 230.859 | 219.517 |
| 21)                         | B Endrin ke...  | 7.671 | 6.851 | 7565322  | 4219818  | 2.359   | 2.621   |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 20 Feb 2023 22:52  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

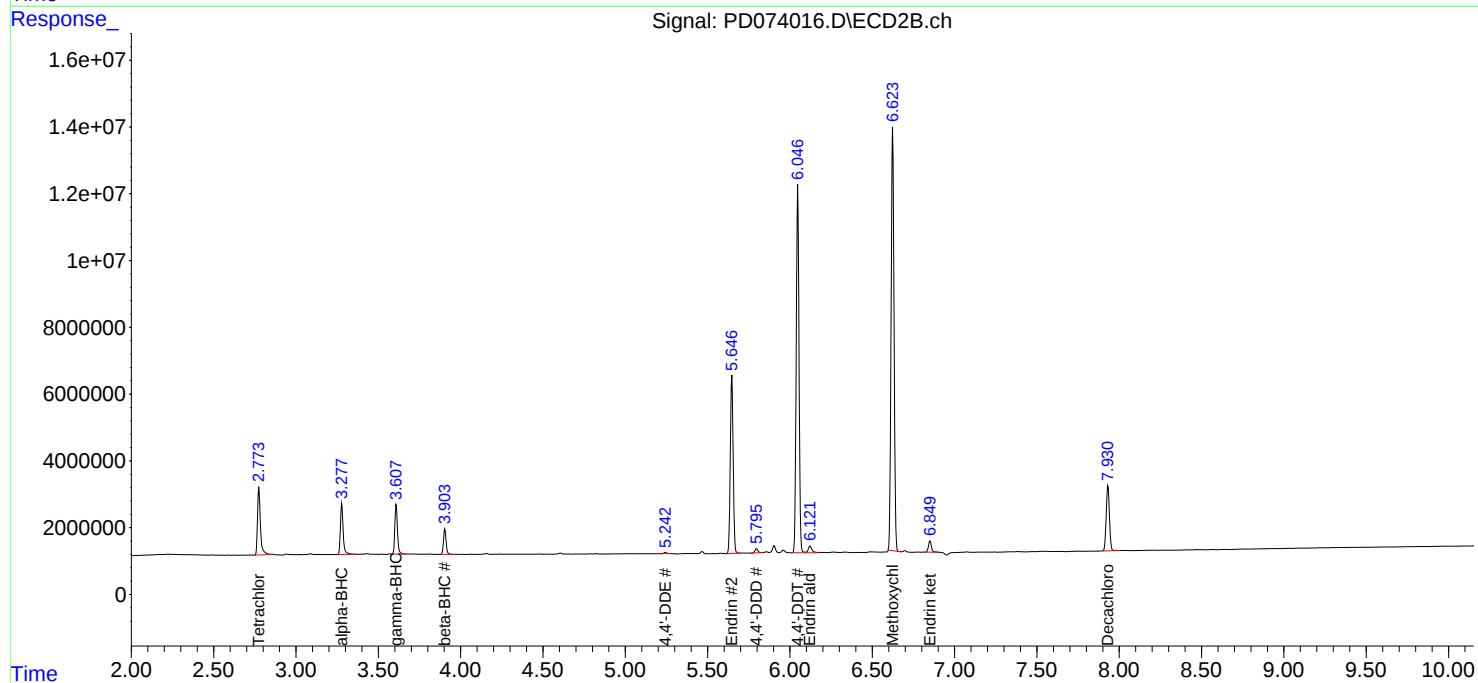
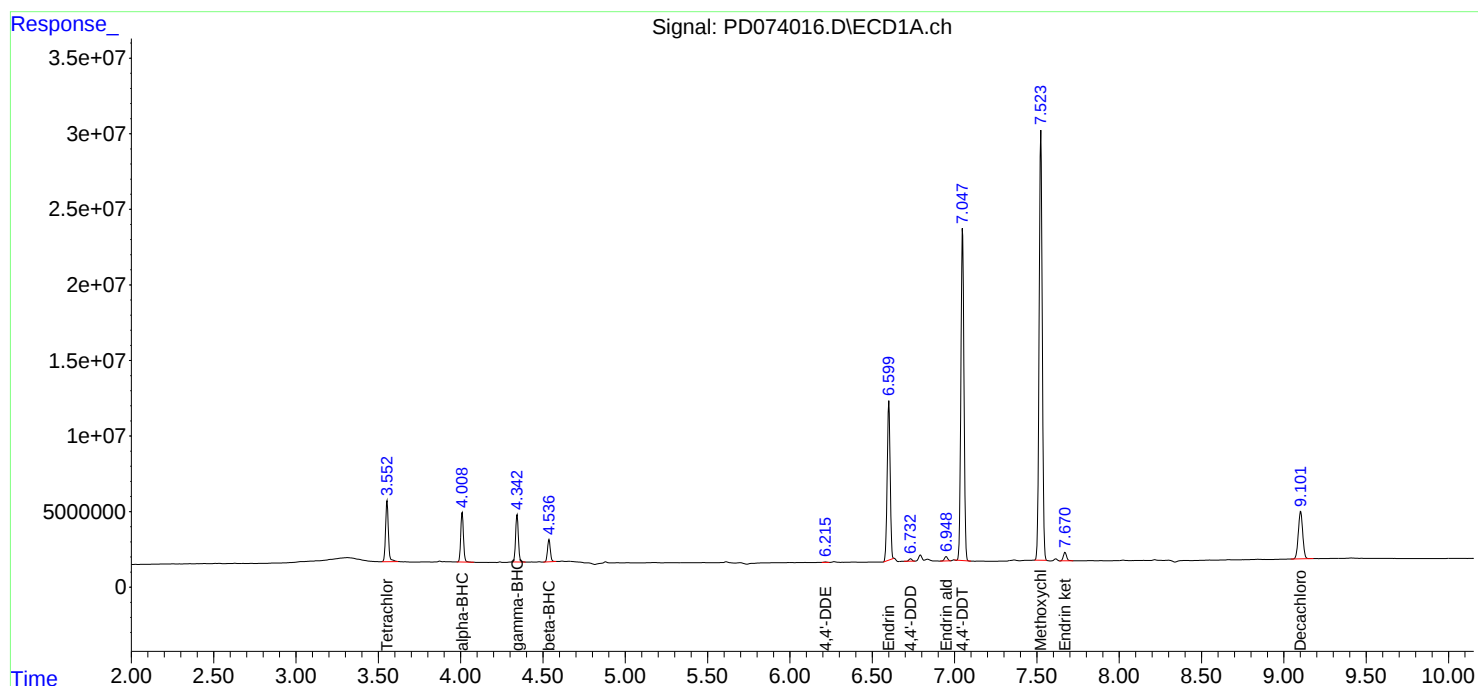
Instrument :  
ECD\_D  
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PEM

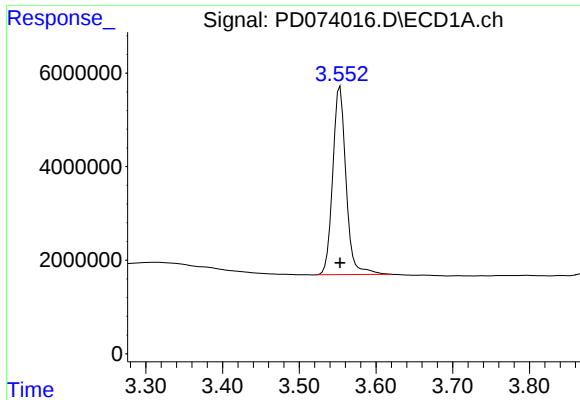
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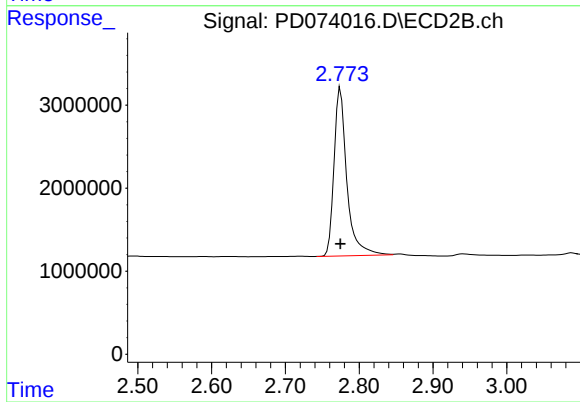
#1 Tetrachloro-m-xylene

R.T.: 3.553 min  
Delta R.T.: 0.000 min  
Response: 48534989  
Conc: 19.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

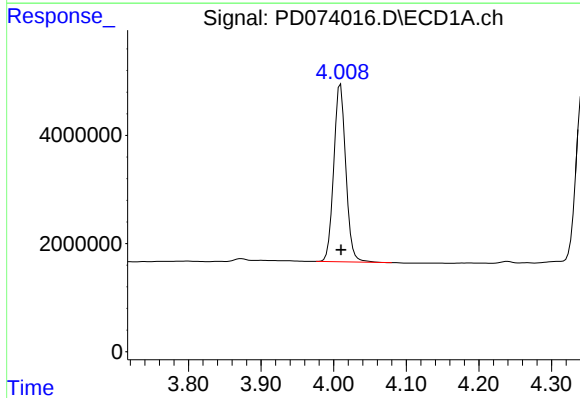
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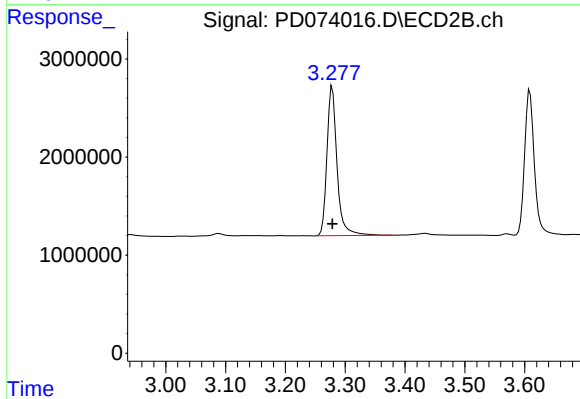
#1 Tetrachloro-m-xylene

R.T.: 2.775 min  
Delta R.T.: 0.000 min  
Response: 24533427  
Conc: 18.93 ng/ml



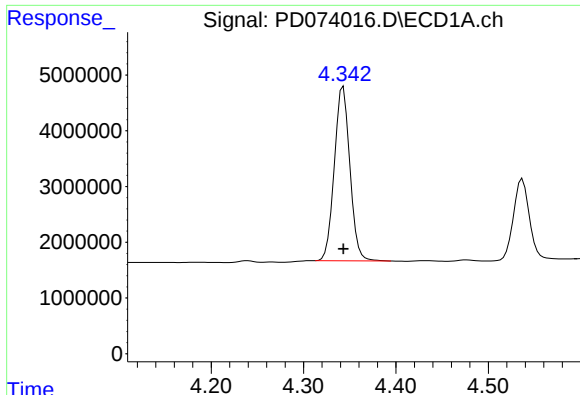
#2 alpha-BHC

R.T.: 4.010 min  
Delta R.T.: 0.000 min  
Response: 37857184  
Conc: 8.85 ng/ml



#2 alpha-BHC

R.T.: 3.278 min  
Delta R.T.: 0.000 min  
Response: 17856677  
Conc: 9.01 ng/ml



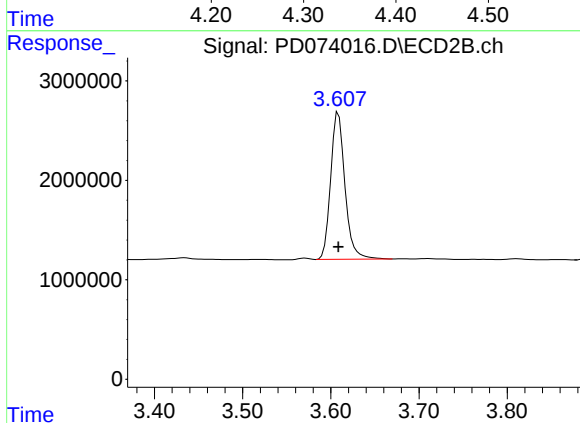
#3 gamma-BHC (Lindane)

R.T.: 4.343 min  
Delta R.T.: 0.000 min  
Response: 36564383  
Conc: 9.34 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

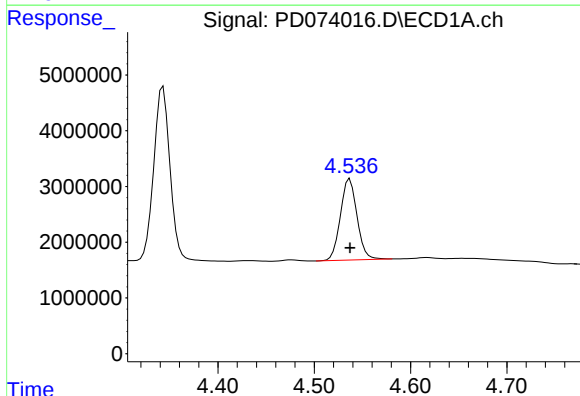
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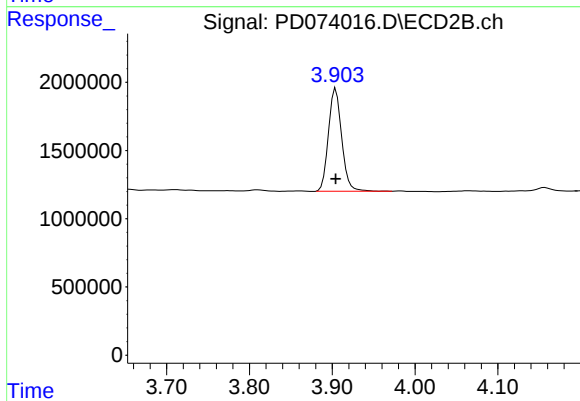
#3 gamma-BHC (Lindane)

R.T.: 3.609 min  
Delta R.T.: 0.000 min  
Response: 16713661  
Conc: 9.14 ng/ml



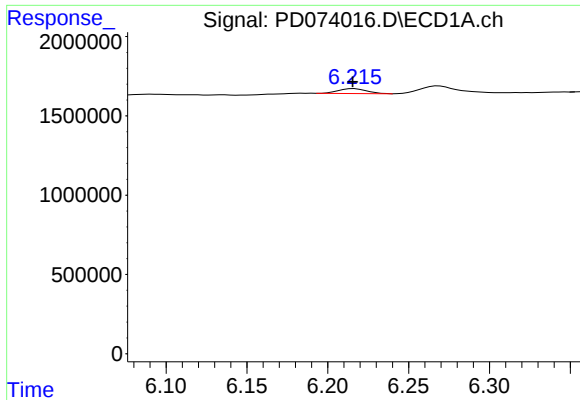
#6 beta-BHC

R.T.: 4.537 min  
Delta R.T.: 0.000 min  
Response: 17492939  
Conc: 10.61 ng/ml



#6 beta-BHC

R.T.: 3.904 min  
Delta R.T.: 0.000 min  
Response: 8374837  
Conc: 10.55 ng/ml



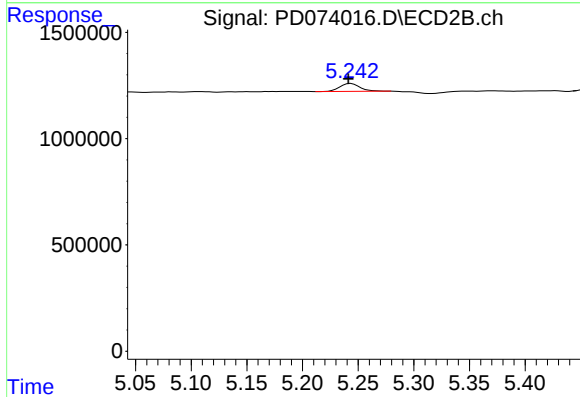
#12 4,4'-DDE

R.T.: 6.215 min  
Delta R.T.: 0.000 min  
Response: 379131  
Conc: 0.12 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

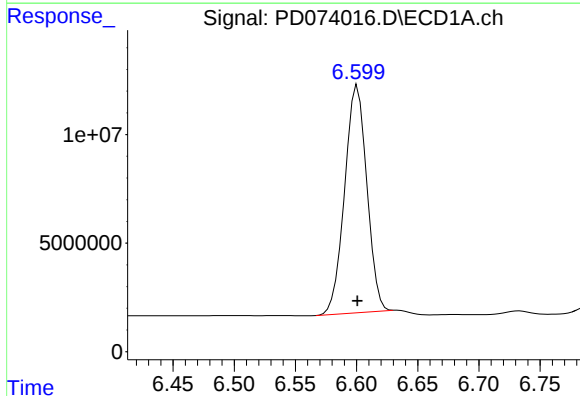
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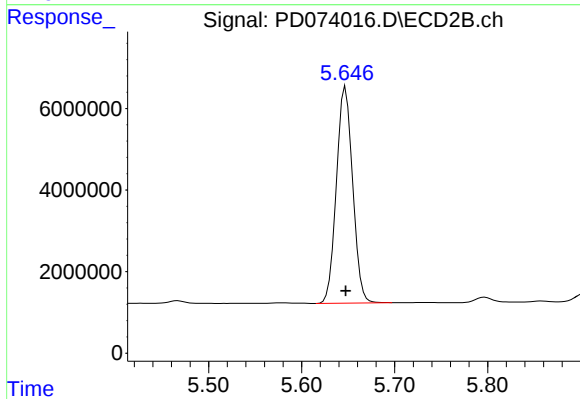
#12 4,4'-DDE

R.T.: 5.244 min  
Delta R.T.: 0.002 min  
Response: 463835  
Conc: 0.30 ng/ml



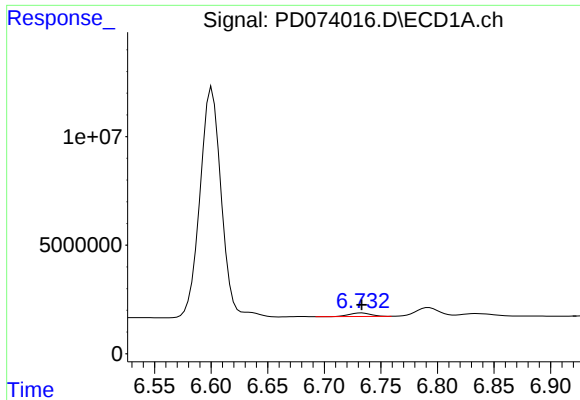
#14 Endrin

R.T.: 6.601 min  
Delta R.T.: 0.000 min  
Response: 132534482  
Conc: 45.03 ng/ml



#14 Endrin

R.T.: 5.647 min  
Delta R.T.: 0.000 min  
Response: 64549431  
Conc: 44.87 ng/ml



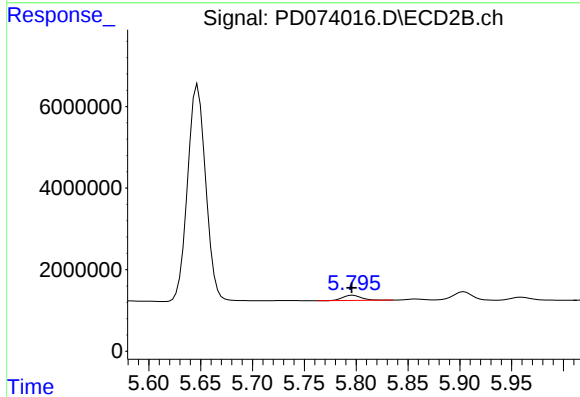
#16 4,4'-DDD

R.T.: 6.733 min  
Delta R.T.: 0.000 min  
Response: 2071315  
Conc: 0.78 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

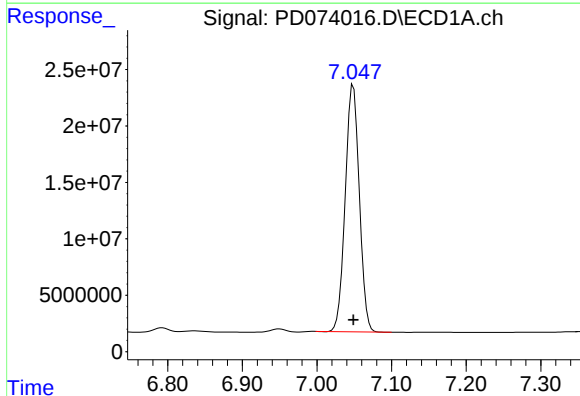
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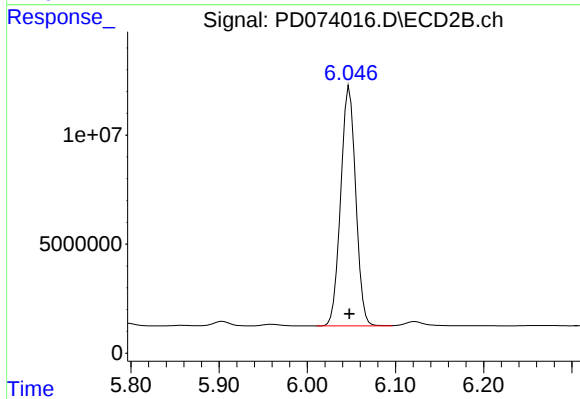
#16 4,4'-DDD

R.T.: 5.797 min  
Delta R.T.: 0.001 min  
Response: 1578845  
Conc: 1.21 ng/ml



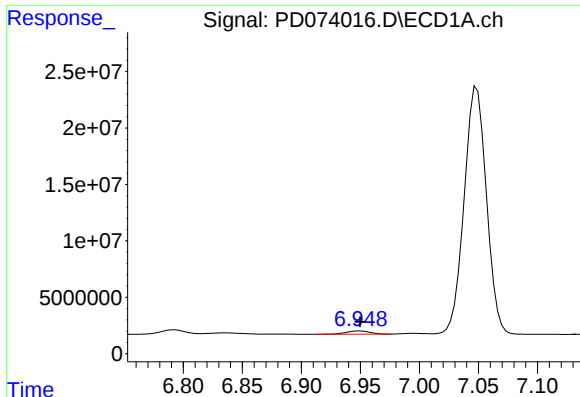
#17 4,4'-DDT

R.T.: 7.049 min  
Delta R.T.: 0.000 min  
Response: 286736360  
Conc: 95.62 ng/ml



#17 4,4'-DDT

R.T.: 6.048 min  
Delta R.T.: 0.000 min  
Response: 129998455  
Conc: 95.97 ng/ml



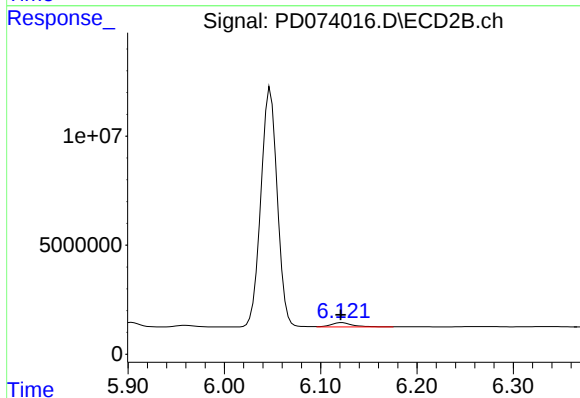
#18 Endrin aldehyde

R.T.: 6.949 min  
Delta R.T.: 0.000 min  
Response: 3822540  
Conc: 1.67 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

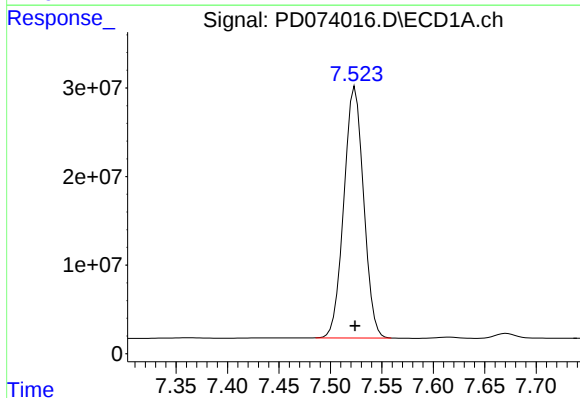
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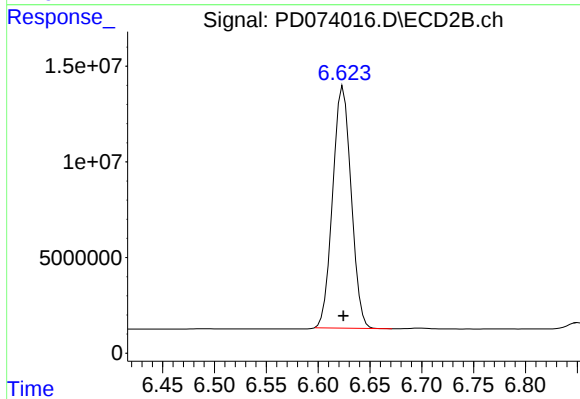
#18 Endrin aldehyde

R.T.: 6.122 min  
Delta R.T.: 0.002 min  
Response: 3123429  
Conc: 2.85 ng/ml



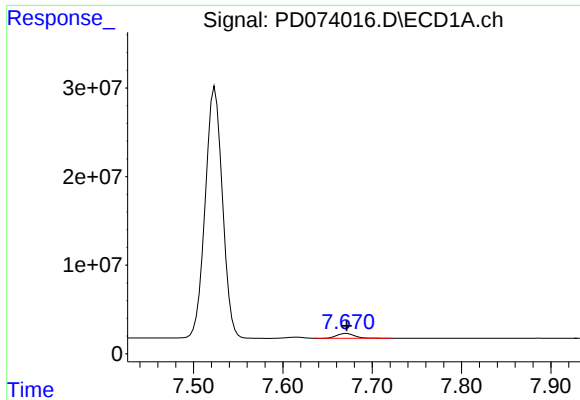
#20 Methoxychlor

R.T.: 7.524 min  
Delta R.T.: 0.000 min  
Response: 379052973  
Conc: 230.86 ng/ml



#20 Methoxychlor

R.T.: 6.624 min  
Delta R.T.: 0.000 min  
Response: 156777004  
Conc: 219.52 ng/ml



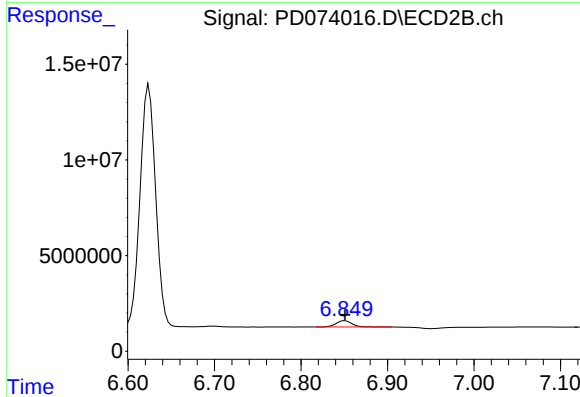
#21 Endrin ketone

R.T.: 7.671 min  
Delta R.T.: 0.000 min  
Response: 7565322  
Conc: 2.36 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

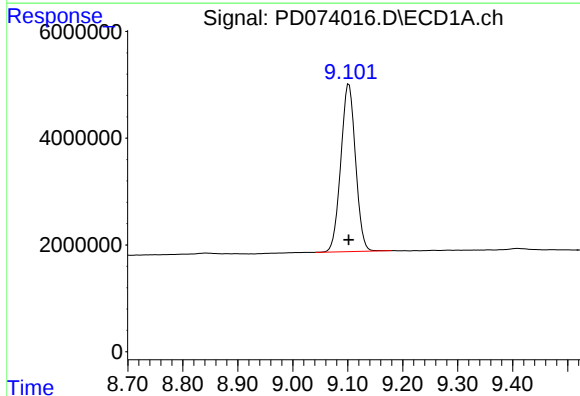
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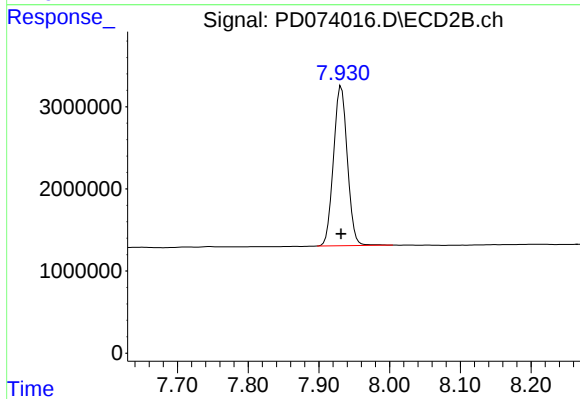
#21 Endrin ketone

R.T.: 6.851 min  
Delta R.T.: 0.000 min  
Response: 4219818  
Conc: 2.62 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.102 min  
Delta R.T.: 0.000 min  
Response: 58401271  
Conc: 20.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.932 min  
Delta R.T.: 0.000 min  
Response: 26479839  
Conc: 19.60 ng/ml