

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD031022\  
 Data File : PD068448.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 10 Mar 2022 09:09  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 03/11/2022  
 Supervised By : Ankita Jodhani 03/11/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Mar 10 22:40:05 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD030122.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Mar 01 06:48:49 2022  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 2 µl  
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1  
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

|                             | Compound        | RT#1  | RT#2  | Resp#1   | Resp#2   | ng/ml   | ng/ml   |
|-----------------------------|-----------------|-------|-------|----------|----------|---------|---------|
| -----                       |                 |       |       |          |          |         |         |
| System Monitoring Compounds |                 |       |       |          |          |         |         |
| 1)                          | SA Tetrachlo... | 3.449 | 4.175 | 24394037 | 204.5E6  | 20.810  | 21.302  |
| 28)                         | SA Decachlor... | 8.210 | 9.369 | 27321919 | 129.3E6  | 23.478  | 21.810  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.888 | 4.570 | 16966152 | 151.1E6  | 9.887   | 11.015  |
| 3)                          | MA gamma-BHC... | 4.172 | 4.861 | 15940848 | 138.4E6  | 10.010  | 11.165  |
| 6)                          | B beta-BHC      | 4.422 | 5.024 | 8195500  | 64469626 | 11.680  | 11.927  |
| 12)                         | B 4,4'-DDE      | 5.612 | 6.549 | 550747   | 5805822  | 0.404m  | 0.594m# |
| 14)                         | MA Endrin       | 6.003 | 6.930 | 67816118 | 406.0E6  | 54.897  | 52.792  |
| 16)                         | A 4,4'-DDD      | 6.130 | 7.040 | 2615643  | 20827275 | 2.206m  | 2.646   |
| 17)                         | MA 4,4'-DDT     | 6.372 | 7.343 | 128.0E6  | 697.4E6  | 116.031 | 98.567  |
| 18)                         | B Endrin al...  | 6.446 | 7.258 | 1214088  | 7278876  | 1.325   | 1.210m  |
| 20)                         | A Methoxychlor  | 6.922 | 7.796 | 167.7E6  | 804.5E6  | 258.480 | 231.540 |
| 21)                         | B Endrin ke...  | 7.151 | 7.958 | 2373530  | 15572449 | 1.612m  | 1.855   |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 10 Mar 2022 09:09  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

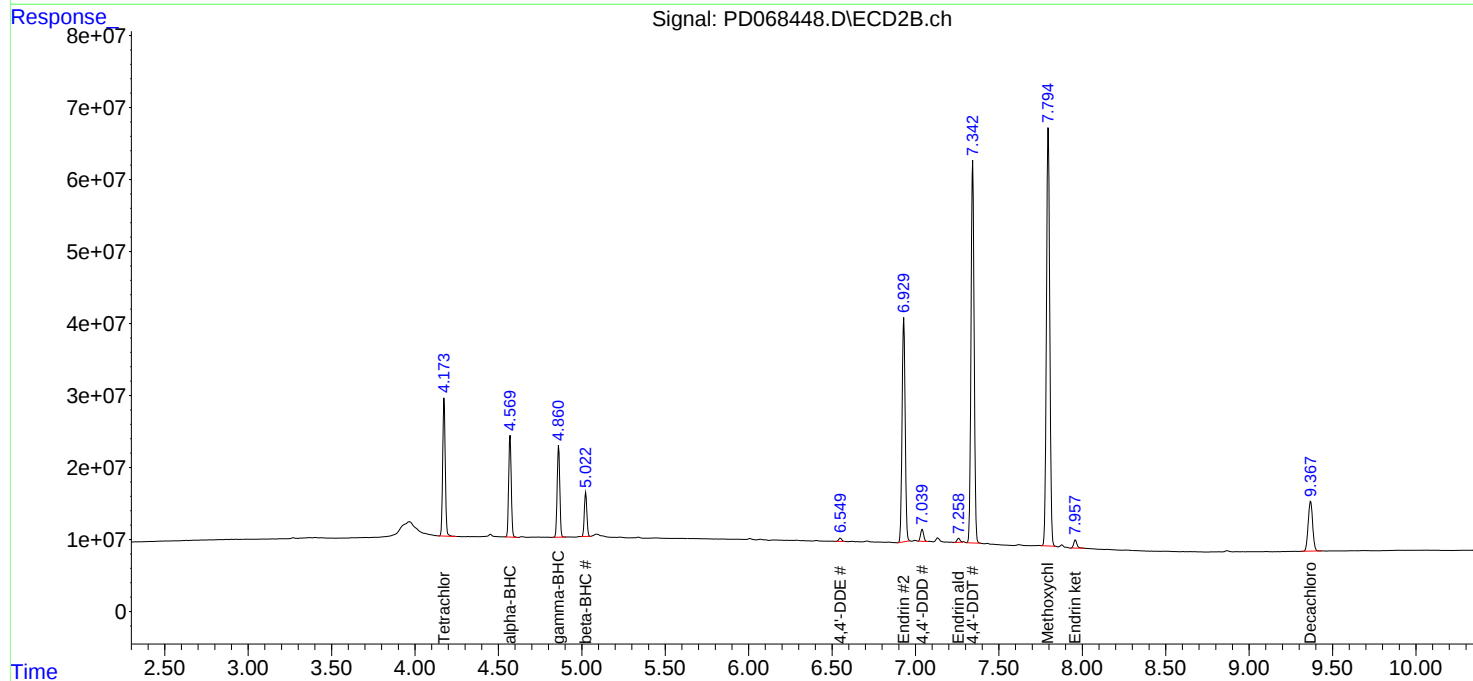
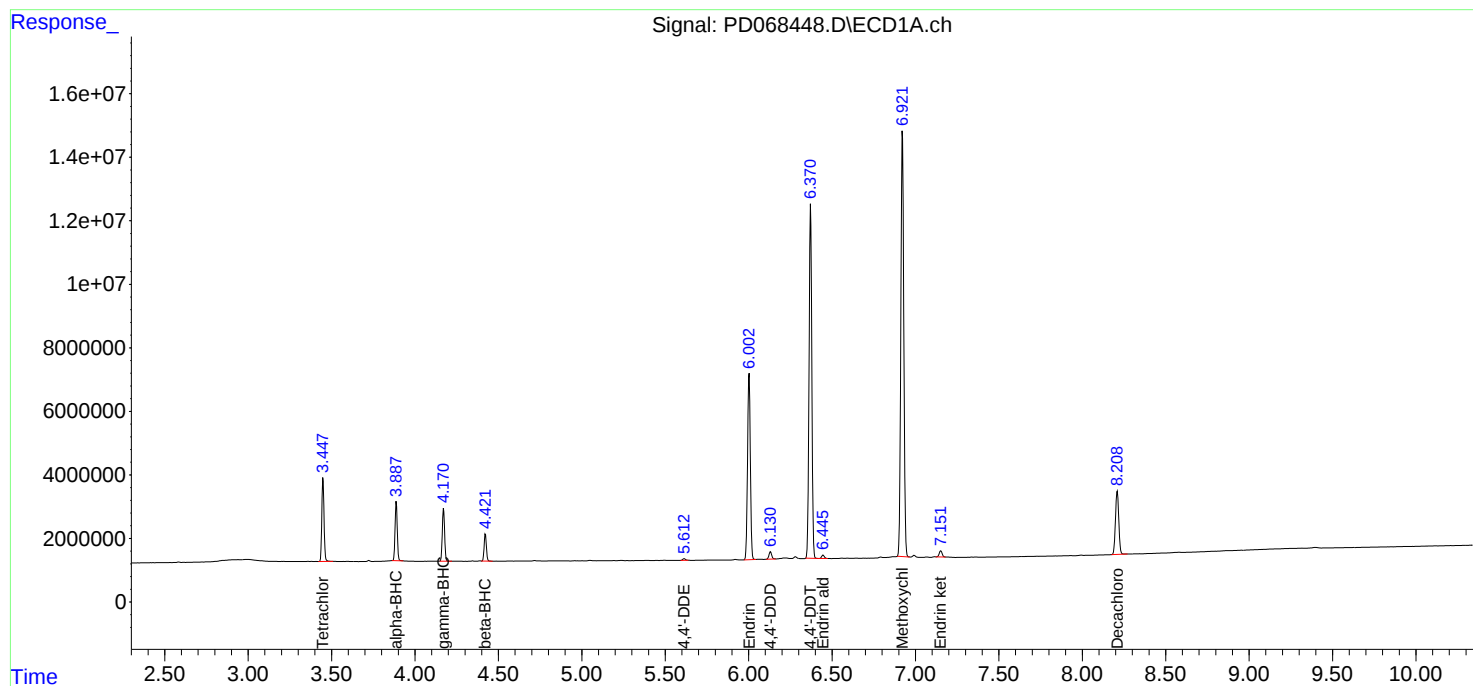
Instrument :  
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ClientSampleId :  
PEM

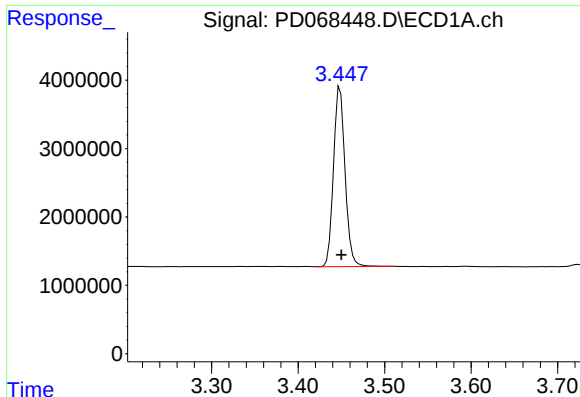
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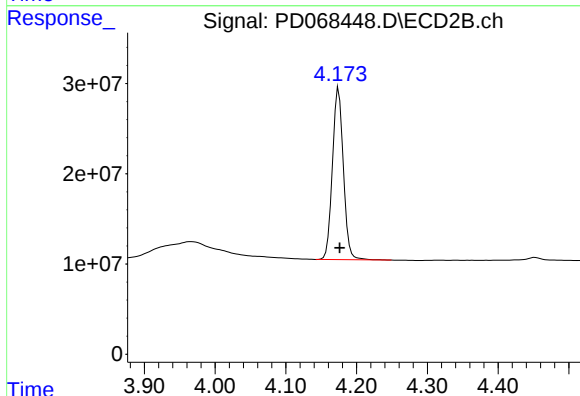
#1 Tetrachloro-m-xylene

R.T.: 3.449 min  
Delta R.T.: -0.001 min  
Response: 24394037  
Conc: 20.81 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

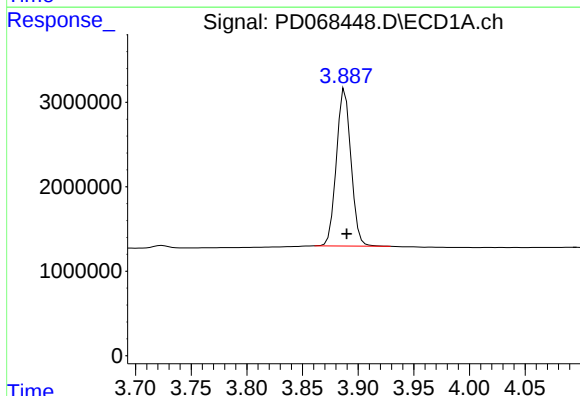
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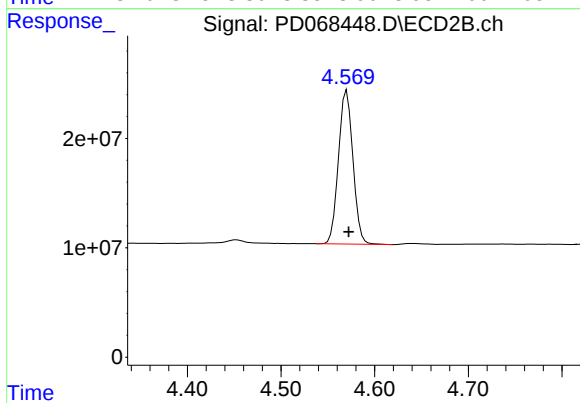
#1 Tetrachloro-m-xylene

R.T.: 4.175 min  
Delta R.T.: -0.001 min  
Response: 204453053  
Conc: 21.30 ng/ml



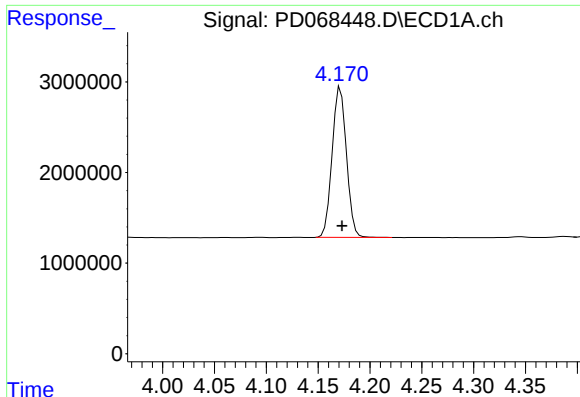
#2 alpha-BHC

R.T.: 3.888 min  
Delta R.T.: -0.001 min  
Response: 16966152  
Conc: 9.89 ng/ml



#2 alpha-BHC

R.T.: 4.570 min  
Delta R.T.: -0.002 min  
Response: 151147964  
Conc: 11.02 ng/ml



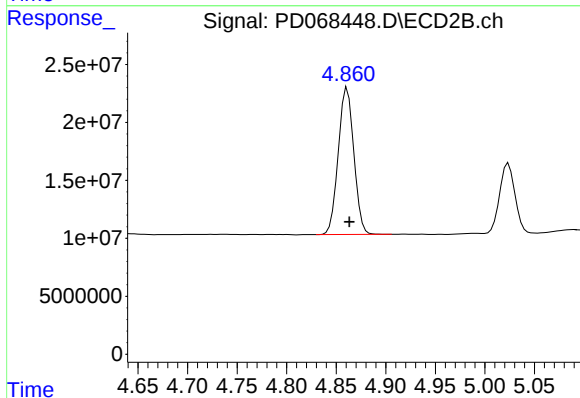
#3 gamma-BHC (Lindane)

R.T.: 4.172 min  
Delta R.T.: -0.002 min  
Response: 15940848  
Conc: 10.01 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

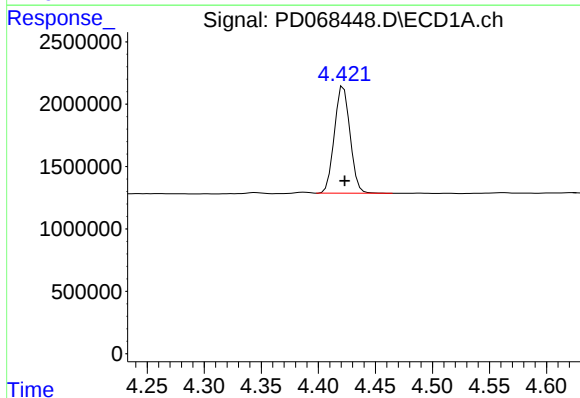
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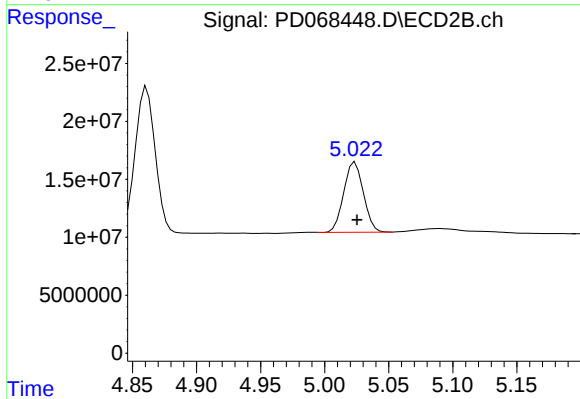
#3 gamma-BHC (Lindane)

R.T.: 4.861 min  
Delta R.T.: -0.002 min  
Response: 138435989  
Conc: 11.16 ng/ml



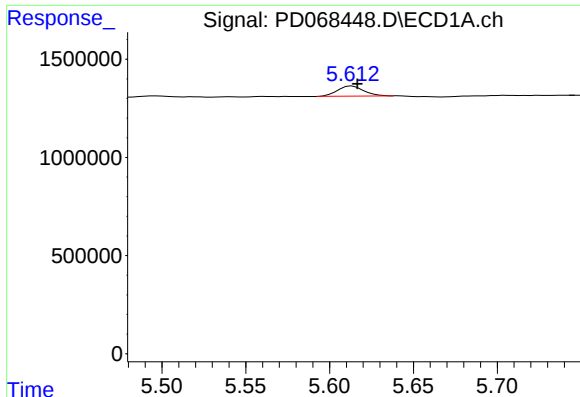
#6 beta-BHC

R.T.: 4.422 min  
Delta R.T.: -0.001 min  
Response: 8195500  
Conc: 11.68 ng/ml



#6 beta-BHC

R.T.: 5.024 min  
Delta R.T.: -0.002 min  
Response: 64469626  
Conc: 11.93 ng/ml



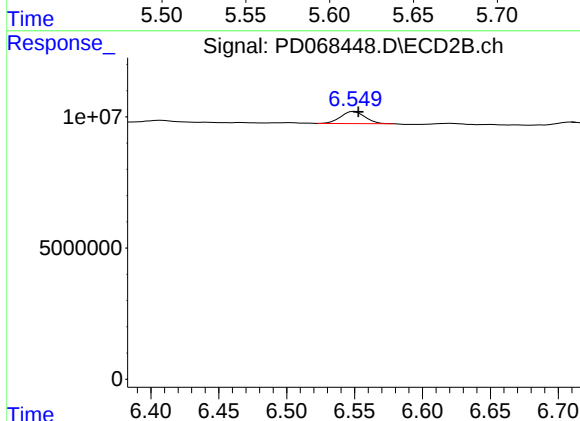
#12 4,4'-DDE

R.T.: 5.612 min  
Delta R.T.: -0.004 min  
Response: 550747  
Conc: 0.40 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

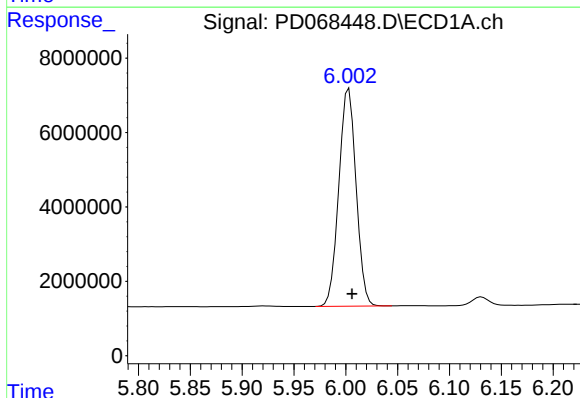
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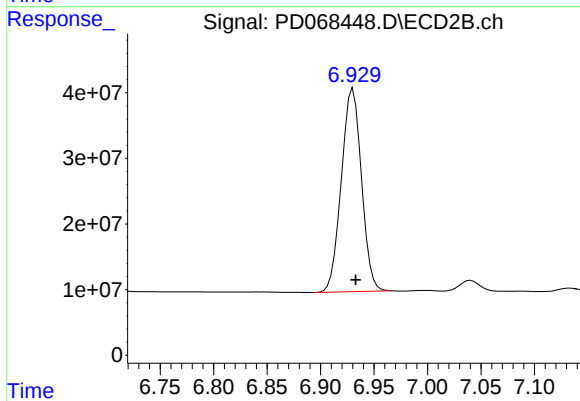
#12 4,4'-DDE

R.T.: 6.549 min  
Delta R.T.: -0.004 min  
Response: 5805822  
Conc: 0.59 ng/ml m



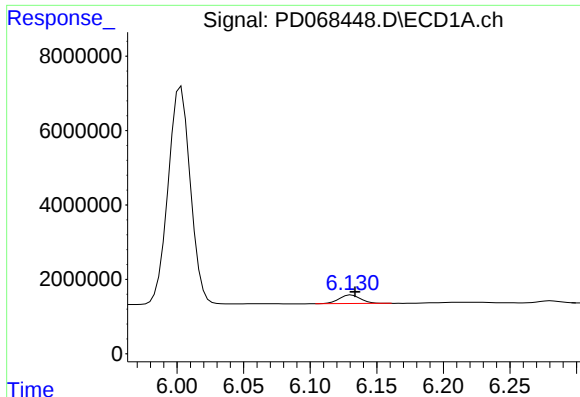
#14 Endrin

R.T.: 6.003 min  
Delta R.T.: -0.003 min  
Response: 67816118  
Conc: 54.90 ng/ml



#14 Endrin

R.T.: 6.930 min  
Delta R.T.: -0.002 min  
Response: 405997045  
Conc: 52.79 ng/ml



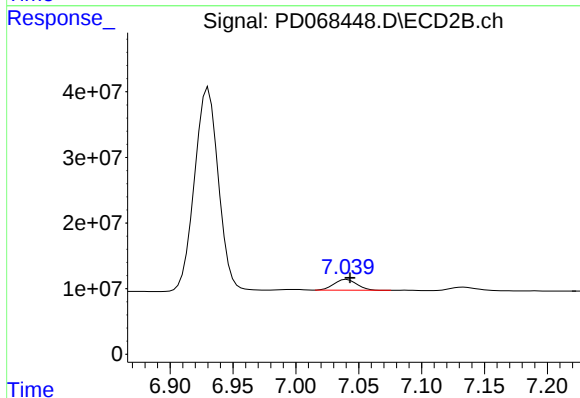
#16 4,4'-DDD

R.T.: 6.130 min  
Delta R.T.: -0.004 min  
Response: 2615643  
Conc: 2.21 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

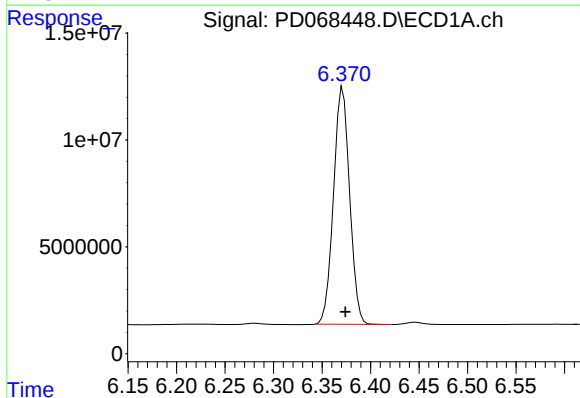
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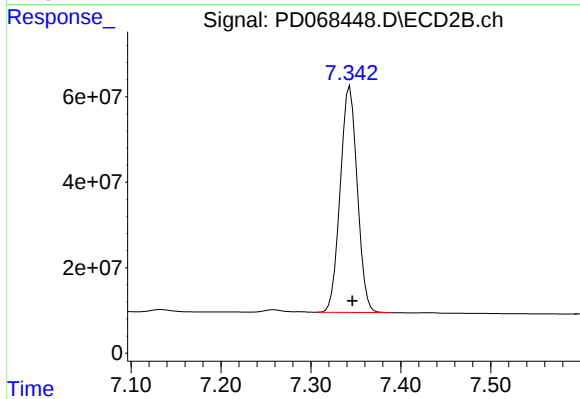
#16 4,4'-DDD

R.T.: 7.040 min  
Delta R.T.: -0.003 min  
Response: 20827275  
Conc: 2.65 ng/ml



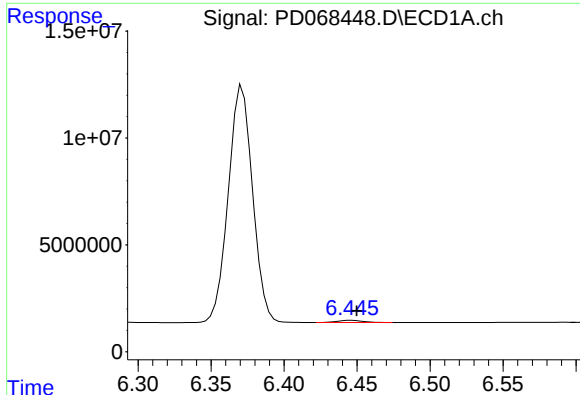
#17 4,4'-DDT

R.T.: 6.372 min  
Delta R.T.: -0.003 min  
Response: 127955413  
Conc: 116.03 ng/ml



#17 4,4'-DDT

R.T.: 7.343 min  
Delta R.T.: -0.003 min  
Response: 697410225  
Conc: 98.57 ng/ml



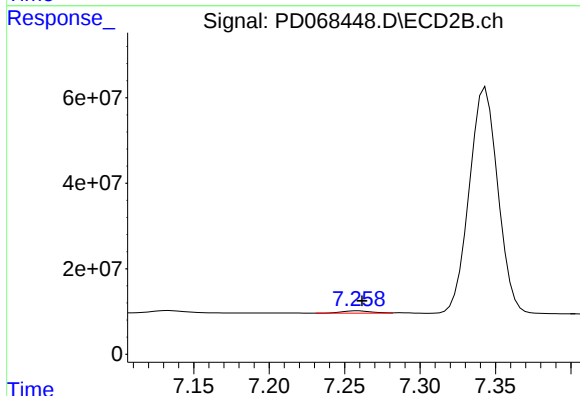
#18 Endrin aldehyde

R.T.: 6.446 min  
Delta R.T.: -0.004 min  
Response: 1214088  
Conc: 1.32 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

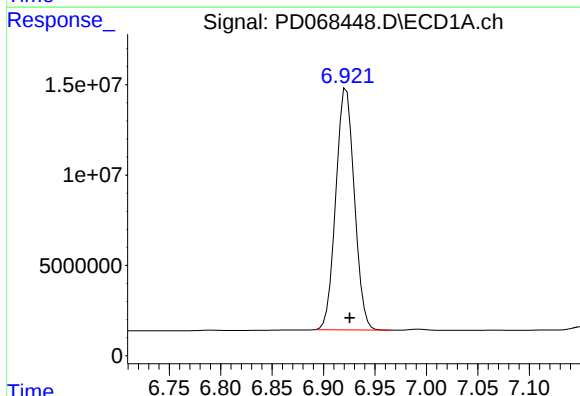
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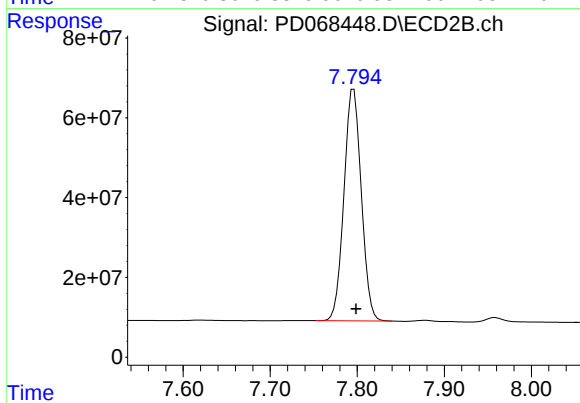
#18 Endrin aldehyde

R.T.: 7.258 min  
Delta R.T.: -0.004 min  
Response: 7278876  
Conc: 1.21 ng/ml m



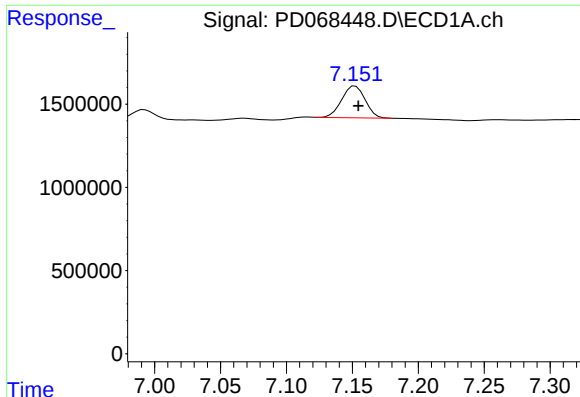
#20 Methoxychlor

R.T.: 6.922 min  
Delta R.T.: -0.003 min  
Response: 167726876  
Conc: 258.48 ng/ml



#20 Methoxychlor

R.T.: 7.796 min  
Delta R.T.: -0.003 min  
Response: 804472305  
Conc: 231.54 ng/ml



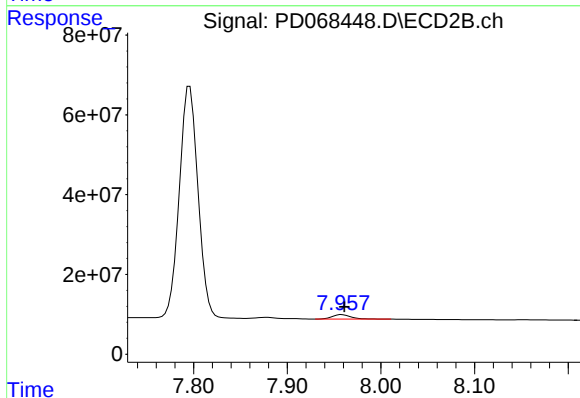
#21 Endrin ketone

R.T.: 7.151 min  
Delta R.T.: -0.004 min  
Response: 2373530  
Conc: 1.61 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

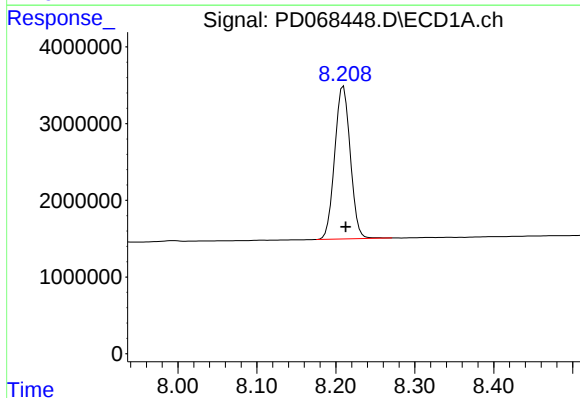
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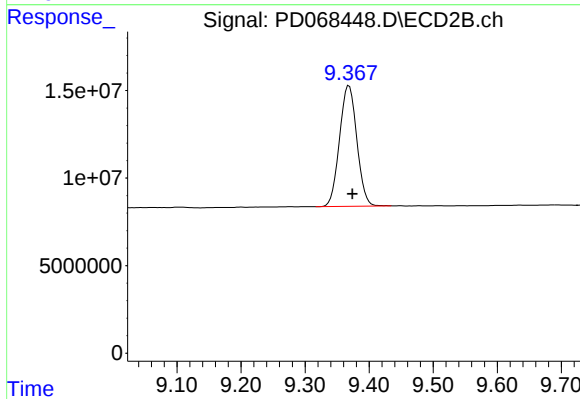
#21 Endrin ketone

R.T.: 7.958 min  
Delta R.T.: -0.003 min  
Response: 15572449  
Conc: 1.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.210 min  
Delta R.T.: -0.003 min  
Response: 27321919  
Conc: 23.48 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.369 min  
Delta R.T.: -0.005 min  
Response: 129306462  
Conc: 21.81 ng/ml