

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD060522\  
 Data File : PD070096.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 04 Jun 2022 22:35  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 06/06/2022  
 Supervised By : Ankita Jodhani 06/07/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Jun 05 21:09:26 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD052622.M  
 Quant Title : GC Extractables  
 QLast Update : Thu May 26 05:06:06 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 x0.2 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... | 3.442 | 4.169 | 21337685 | 201.4E6  | 20.050  | 22.859  |
| 28)                         | SA Decachlor... | 8.193 | 9.364 | 20906308 | 119.1E6  | 19.167  | 22.024  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.880 | 4.565 | 15168440 | 151.0E6  | 9.256   | 11.528  |
| 3)                          | MA gamma-BHC... | 4.163 | 4.856 | 16343542 | 141.1E6  | 9.469   | 11.441  |
| 6)                          | B beta-BHC      | 4.414 | 5.020 | 7964792  | 69179070 | 11.444  | 13.170  |
| 12)                         | B 4,4'-DDE      | 5.600 | 6.544 | 288998   | 3531658  | 0.228m  | 0.390m# |
| 14)                         | MA Endrin       | 5.990 | 6.925 | 55375126 | 403.7E6  | 47.957  | 59.821  |
| 16)                         | A 4,4'-DDD      | 6.118 | 7.036 | 6727512  | 56525433 | 6.218   | 7.633   |
| 17)                         | MA 4,4'-DDT     | 6.358 | 7.339 | 91798834 | 649.4E6  | 92.626  | 88.736  |
| 18)                         | B Endrin al...  | 6.434 | 7.253 | 1183862  | 6271242  | 1.378   | 1.092m  |
| 20)                         | A Methoxychlor  | 6.908 | 7.793 | 128.3E6  | 784.9E6  | 226.216 | 220.131 |
| 21)                         | B Endrin ke...  | 7.139 | 7.956 | 3623057  | 25156051 | 2.719   | 3.160   |
| -----                       |                 |       |       |          |          |         |         |

(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

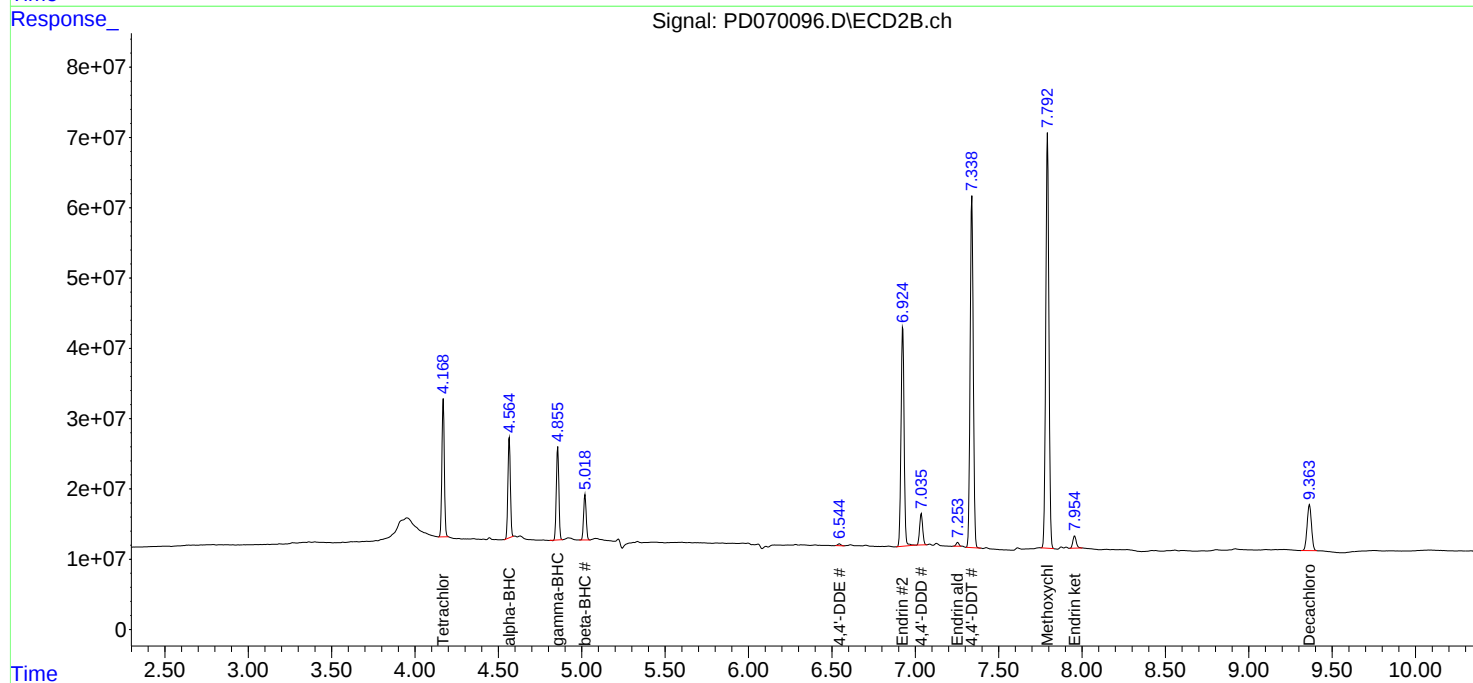
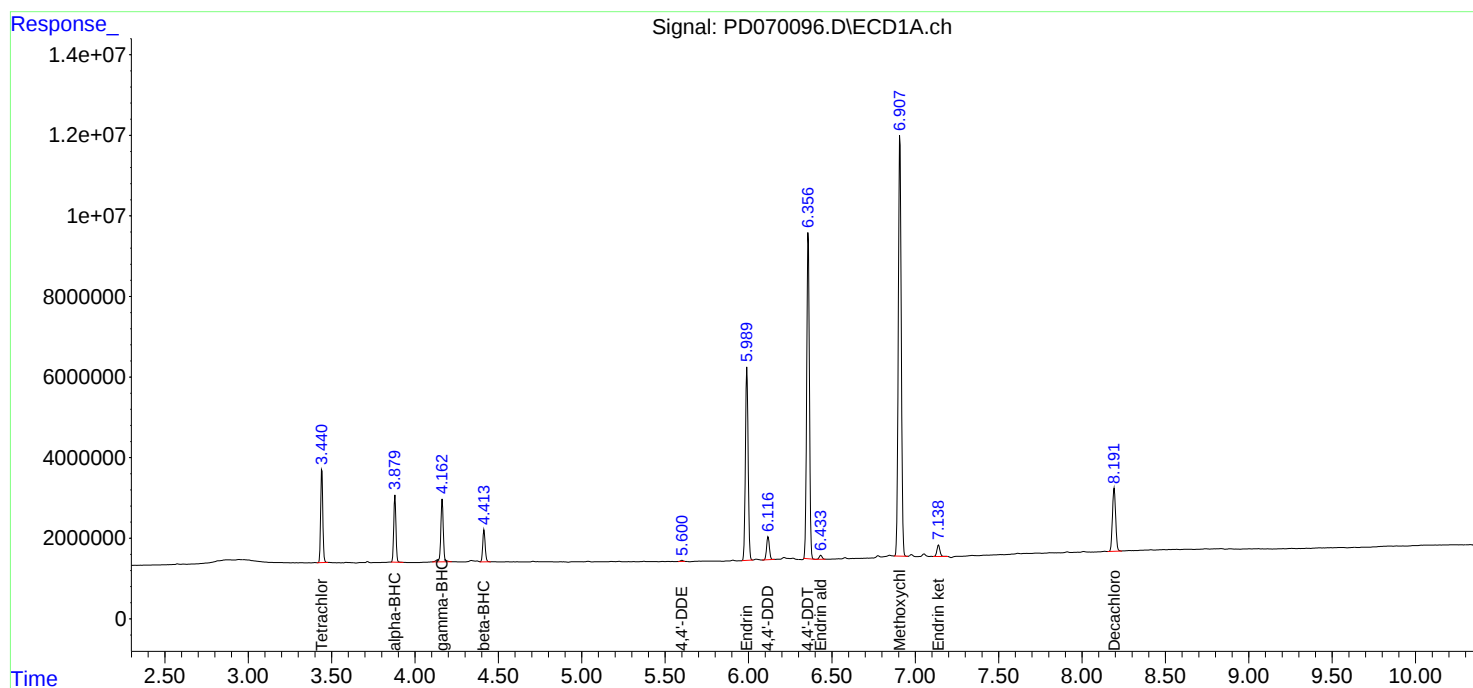
Instrument :  
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ClientSampleId :  
PEM

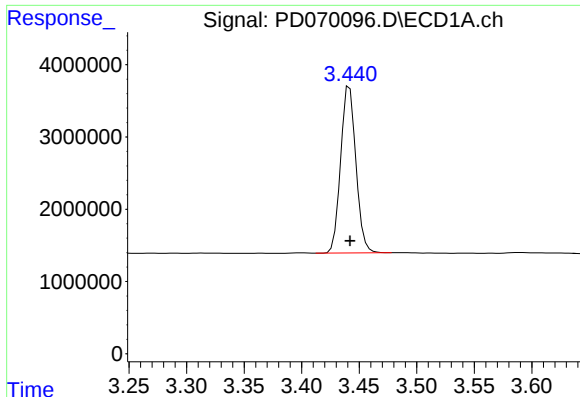
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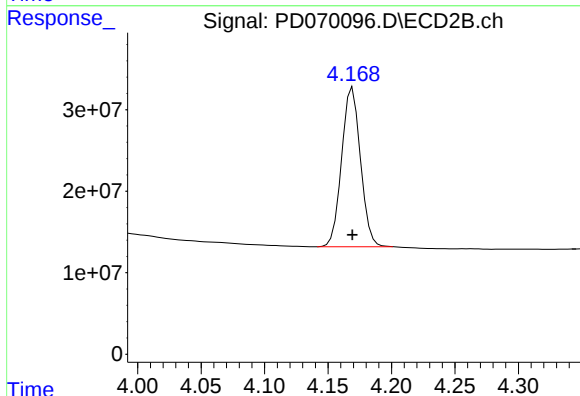
#1 Tetrachloro-m-xylene

R.T.: 3.442 min  
Delta R.T.: 0.000 min  
Response: 21337685  
Conc: 20.05 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

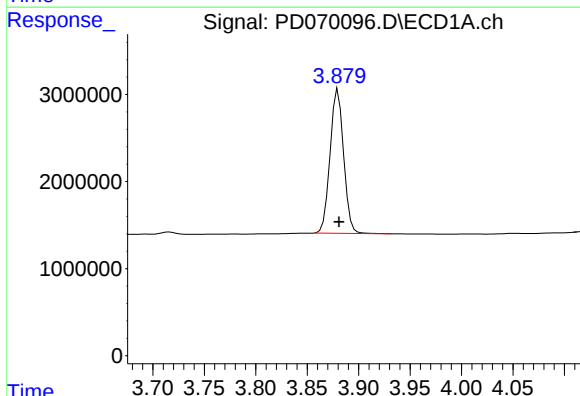
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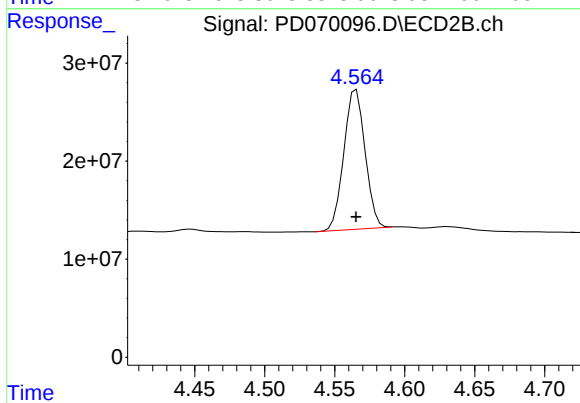
#1 Tetrachloro-m-xylene

R.T.: 4.169 min  
Delta R.T.: 0.000 min  
Response: 201430513  
Conc: 22.86 ng/ml



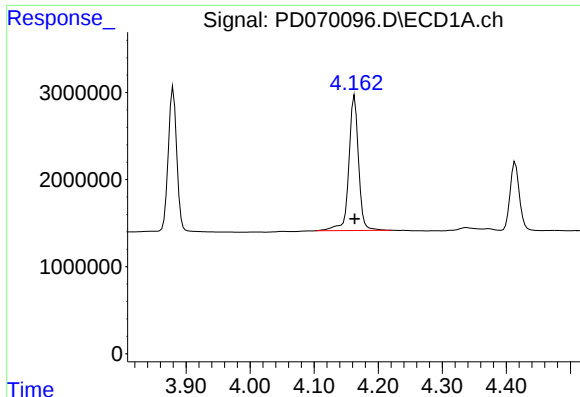
#2 alpha-BHC

R.T.: 3.880 min  
Delta R.T.: -0.001 min  
Response: 15168440  
Conc: 9.26 ng/ml



#2 alpha-BHC

R.T.: 4.565 min  
Delta R.T.: 0.000 min  
Response: 150958723  
Conc: 11.53 ng/ml



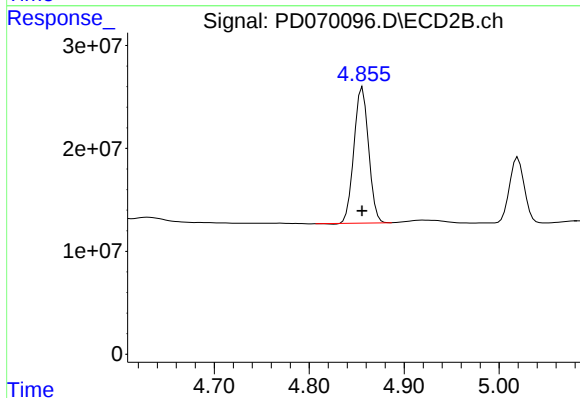
#3 gamma-BHC (Lindane)

R.T.: 4.163 min  
Delta R.T.: 0.000 min  
Response: 16343542  
Conc: 9.47 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

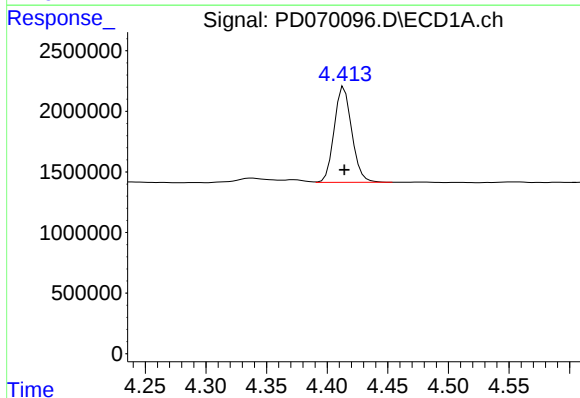
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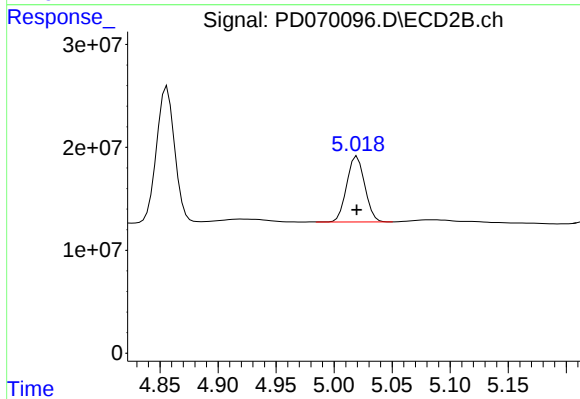
#3 gamma-BHC (Lindane)

R.T.: 4.856 min  
Delta R.T.: 0.000 min  
Response: 141133744  
Conc: 11.44 ng/ml



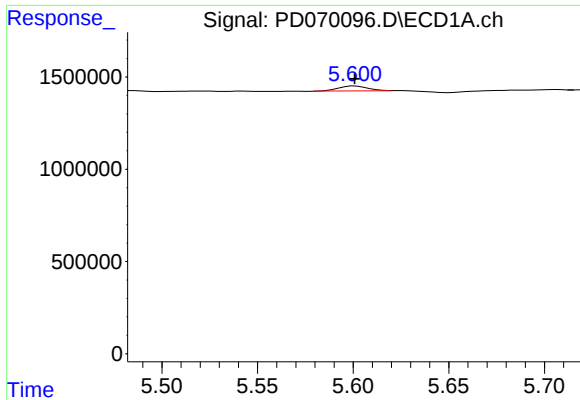
#6 beta-BHC

R.T.: 4.414 min  
Delta R.T.: 0.000 min  
Response: 7964792  
Conc: 11.44 ng/ml



#6 beta-BHC

R.T.: 5.020 min  
Delta R.T.: 0.000 min  
Response: 69179070  
Conc: 13.17 ng/ml



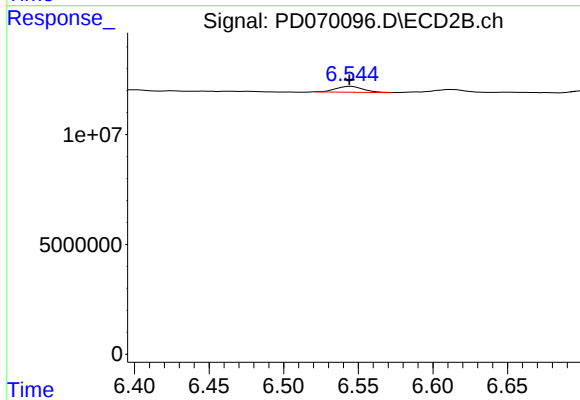
#12 4,4'-DDE

R.T.: 5.600 min  
Delta R.T.: -0.001 min  
Response: 288998  
Conc: 0.23 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

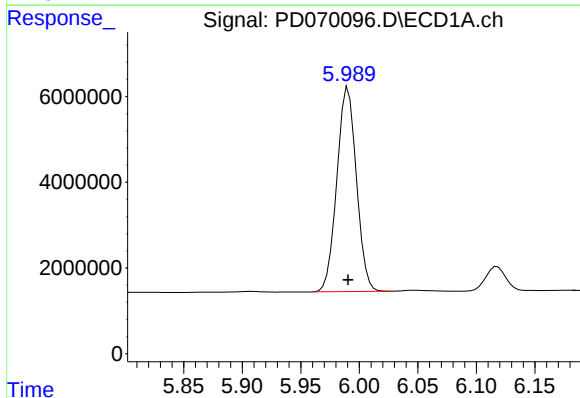
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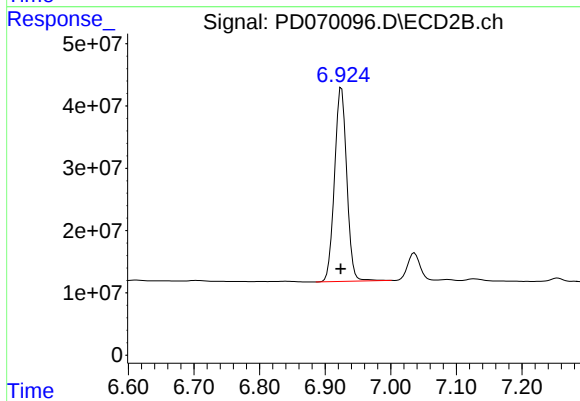
#12 4,4'-DDE

R.T.: 6.544 min  
Delta R.T.: 0.000 min  
Response: 3531658  
Conc: 0.39 ng/ml m



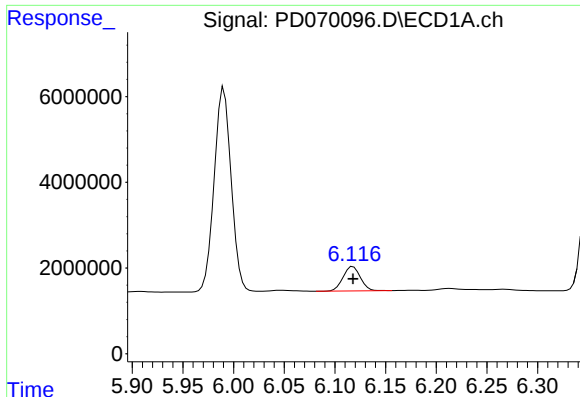
#14 Endrin

R.T.: 5.990 min  
Delta R.T.: 0.000 min  
Response: 55375126  
Conc: 47.96 ng/ml



#14 Endrin

R.T.: 6.925 min  
Delta R.T.: 0.001 min  
Response: 403741232  
Conc: 59.82 ng/ml



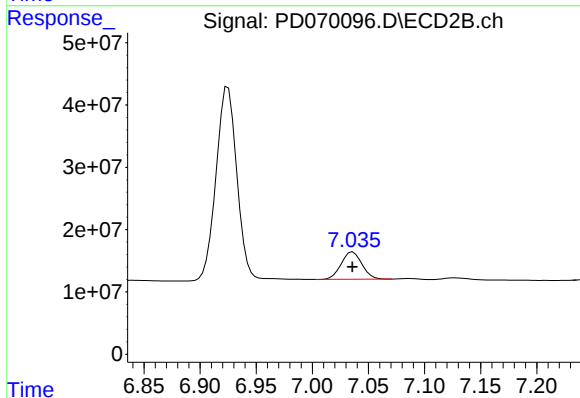
#16 4,4'-DDD

R.T.: 6.118 min  
Delta R.T.: 0.000 min  
Response: 6727512  
Conc: 6.22 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

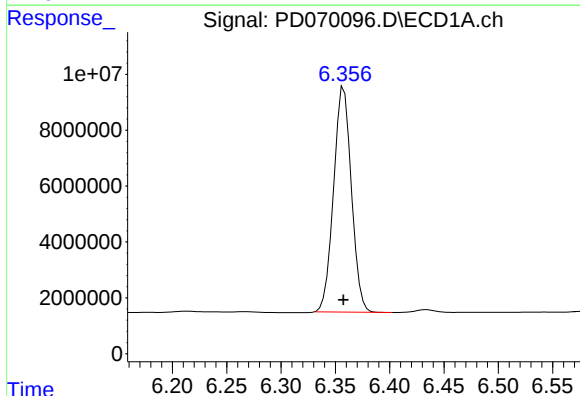
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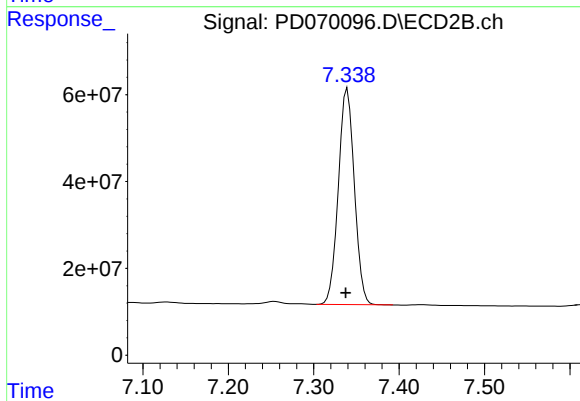
#16 4,4'-DDD

R.T.: 7.036 min  
Delta R.T.: 0.000 min  
Response: 56525433  
Conc: 7.63 ng/ml



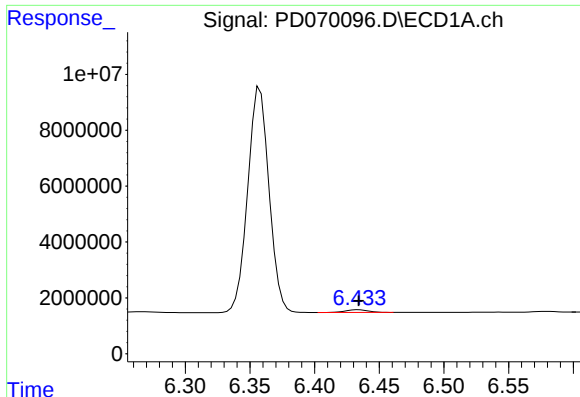
#17 4,4'-DDT

R.T.: 6.358 min  
Delta R.T.: 0.000 min  
Response: 91798834  
Conc: 92.63 ng/ml



#17 4,4'-DDT

R.T.: 7.339 min  
Delta R.T.: 0.002 min  
Response: 649373752  
Conc: 88.74 ng/ml



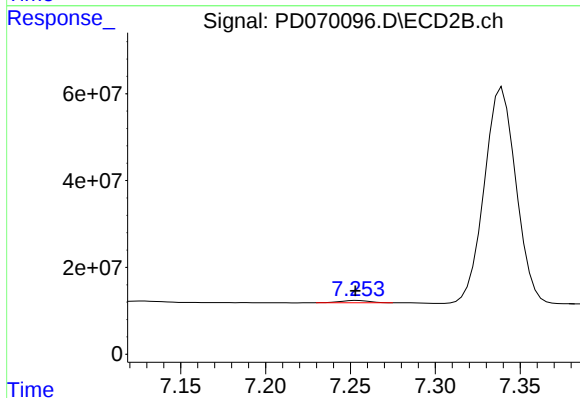
#18 Endrin aldehyde

R.T.: 6.434 min  
Delta R.T.: 0.000 min  
Response: 1183862  
Conc: 1.38 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

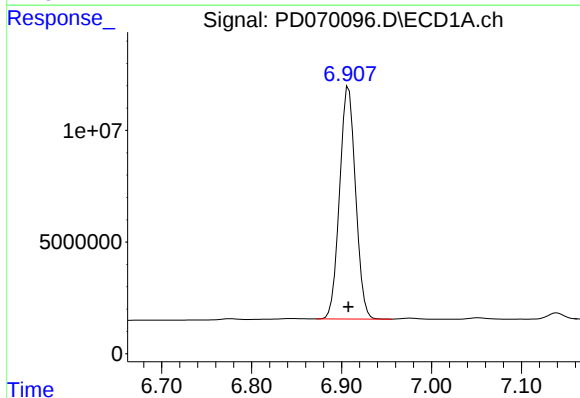
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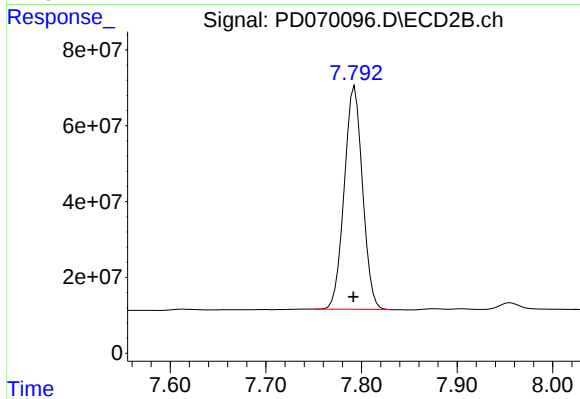
#18 Endrin aldehyde

R.T.: 7.253 min  
Delta R.T.: 0.000 min  
Response: 6271242  
Conc: 1.09 ng/ml m



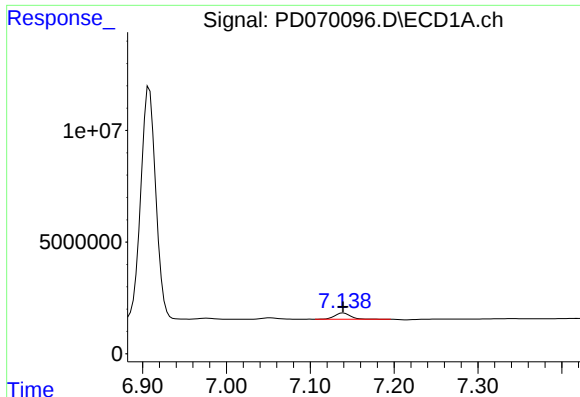
#20 Methoxychlor

R.T.: 6.908 min  
Delta R.T.: 0.000 min  
Response: 128332642  
Conc: 226.22 ng/ml



#20 Methoxychlor

R.T.: 7.793 min  
Delta R.T.: 0.001 min  
Response: 784902896  
Conc: 220.13 ng/ml



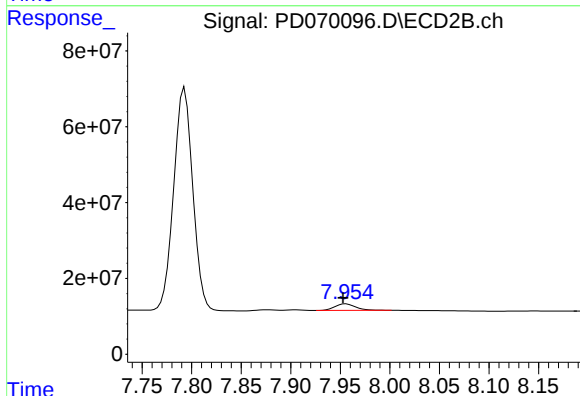
#21 Endrin ketone

R.T.: 7.139 min  
Delta R.T.: 0.000 min  
Response: 3623057  
Conc: 2.72 ng/ml

Instrument :  
ECD\_D  
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PEM

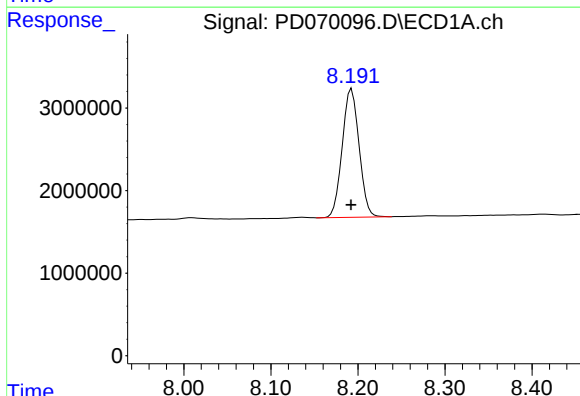
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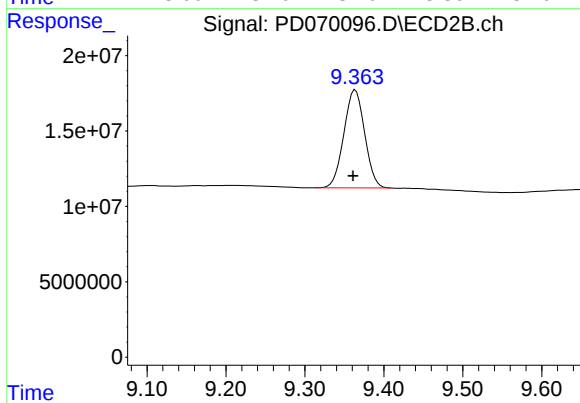
#21 Endrin ketone

R.T.: 7.956 min  
Delta R.T.: 0.003 min  
Response: 25156051  
Conc: 3.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.193 min  
Delta R.T.: 0.000 min  
Response: 20906308  
Conc: 19.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.364 min  
Delta R.T.: 0.003 min  
Response: 119105905  
Conc: 22.02 ng/ml