

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD022422\  
 Data File : PD068164.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 24 Feb 2022 09:20  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By : Abdul Mirza 02/25/2022  
 Supervised By : Ankita Jodhani 02/25/2022

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Feb 25 01:00:50 2022  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD022222.M  
 Quant Title : GC Extractables  
 QLast Update : Tue Feb 22 13:16:10 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... | 3.450 | 4.175 | 28100554 | 186.8E6  | 19.303  | 20.203  |
| 28)                         | SA Decachlor... | 8.214 | 9.370 | 27240500 | 102.8E6  | 19.009  | 20.648  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.889 | 4.571 | 19975980 | 134.7E6  | 8.986   | 10.194  |
| 3)                          | MA gamma-BHC... | 4.173 | 4.862 | 18688015 | 122.5E6  | 9.145   | 10.321  |
| 6)                          | B beta-BHC      | 4.423 | 5.024 | 9286415  | 59444991 | 10.900  | 11.489  |
| 12)                         | B 4,4'-DDE      | 5.615 | 6.551 | 718111   | 4958124  | 0.394m  | 0.549 # |
| 14)                         | MA Endrin       | 6.006 | 6.931 | 82674319 | 347.4E6  | 50.388  | 48.476  |
| 16)                         | A 4,4'-DDD      | 6.134 | 7.042 | 4337104  | 24250992 | 2.829   | 3.460   |
| 17)                         | MA 4,4'-DDT     | 6.375 | 7.345 | 148.9E6  | 544.8E6  | 108.251 | 96.082  |
| 18)                         | B Endrin al...  | 6.450 | 7.258 | 1747145  | 7496176  | 1.583   | 1.447m  |
| 20)                         | A Methoxychlor  | 6.926 | 7.798 | 192.3E6  | 607.6E6  | 247.204 | 224.494 |
| 21)                         | B Endrin ke...  | 7.155 | 7.960 | 2902818  | 15258230 | 1.625   | 2.123 # |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 24 Feb 2022 09:20  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

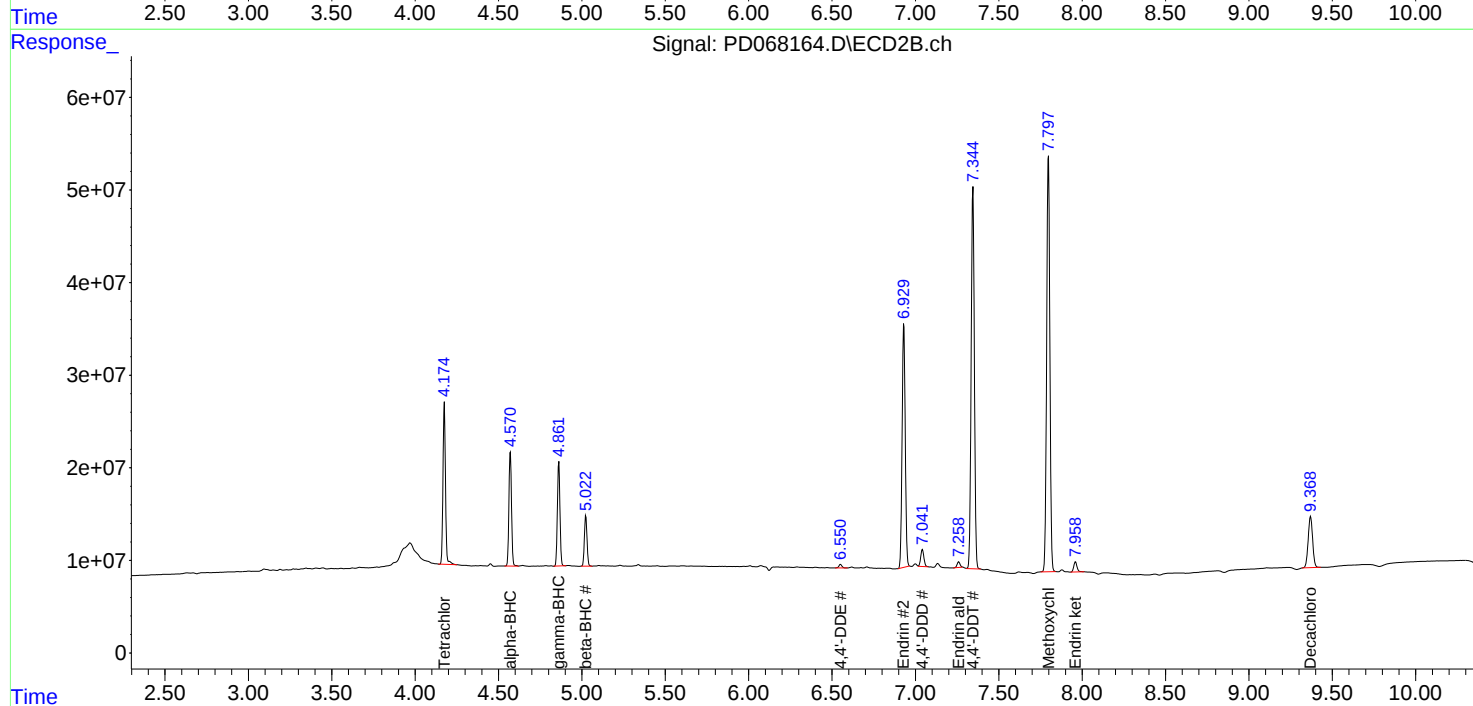
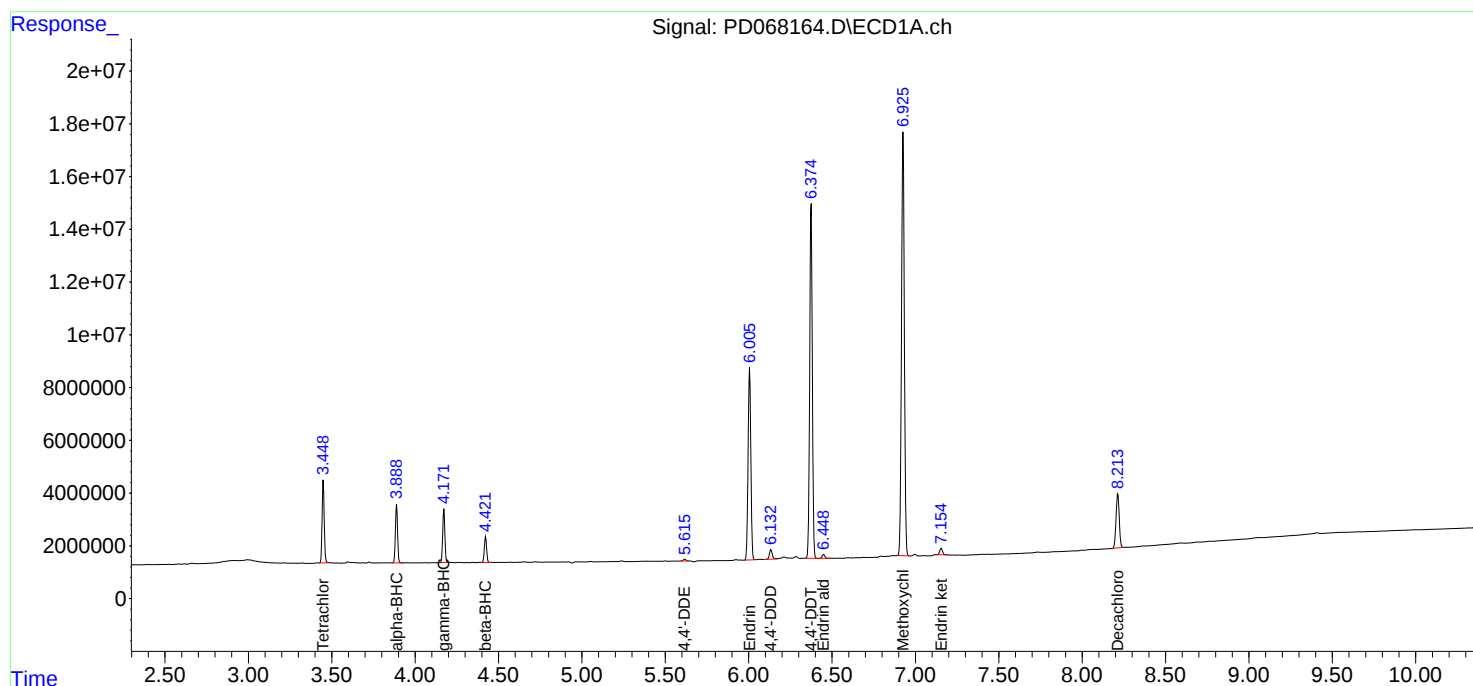
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

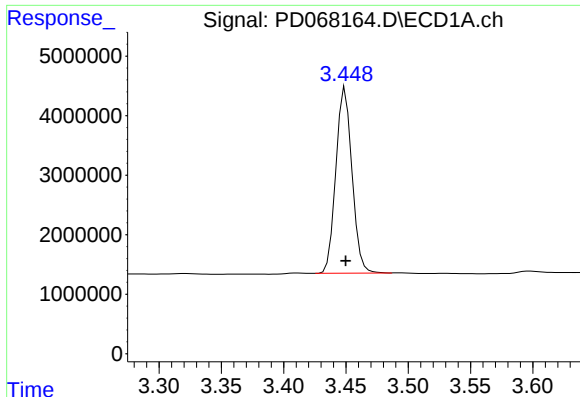
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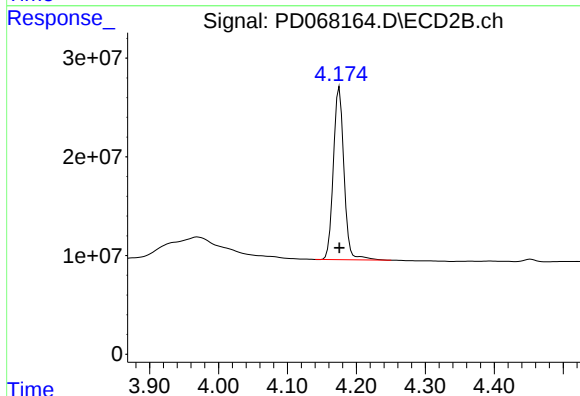
#1 Tetrachloro-m-xylene

R.T.: 3.450 min  
Delta R.T.: 0.000 min  
Response: 28100554  
Conc: 19.30 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

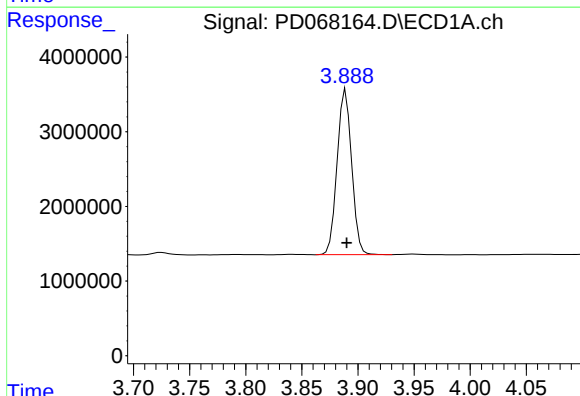
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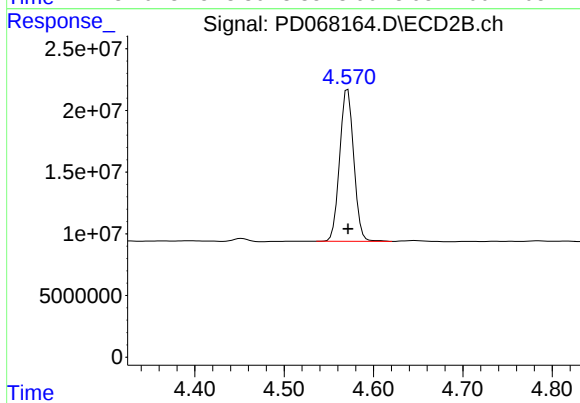
#1 Tetrachloro-m-xylene

R.T.: 4.175 min  
Delta R.T.: 0.000 min  
Response: 186826177  
Conc: 20.20 ng/ml



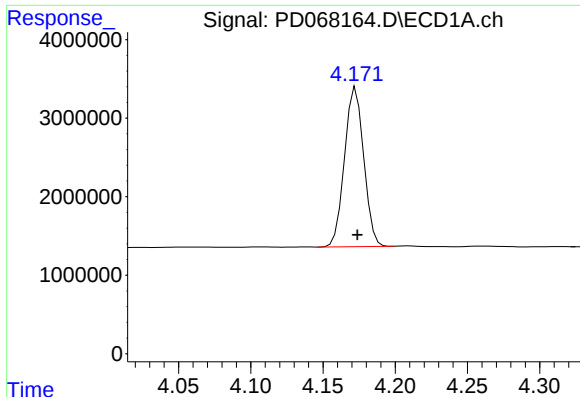
#2 alpha-BHC

R.T.: 3.889 min  
Delta R.T.: 0.000 min  
Response: 19975980  
Conc: 8.99 ng/ml



#2 alpha-BHC

R.T.: 4.571 min  
Delta R.T.: 0.000 min  
Response: 134744987  
Conc: 10.19 ng/ml



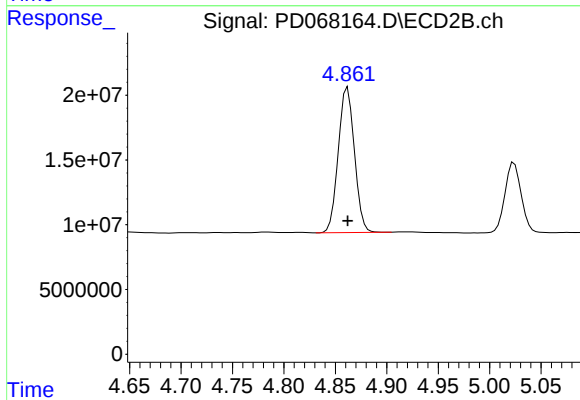
#3 gamma-BHC (Lindane)

R.T.: 4.173 min  
Delta R.T.: 0.000 min  
Response: 18688015  
Conc: 9.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

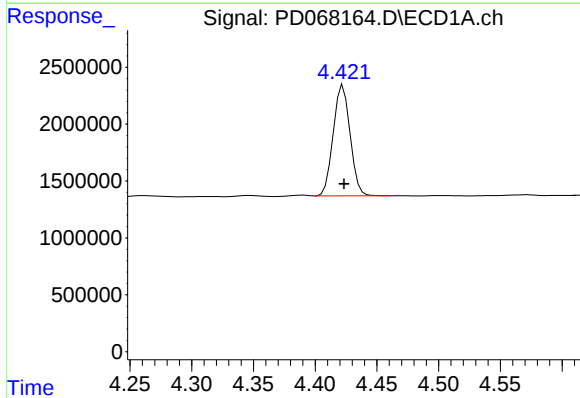
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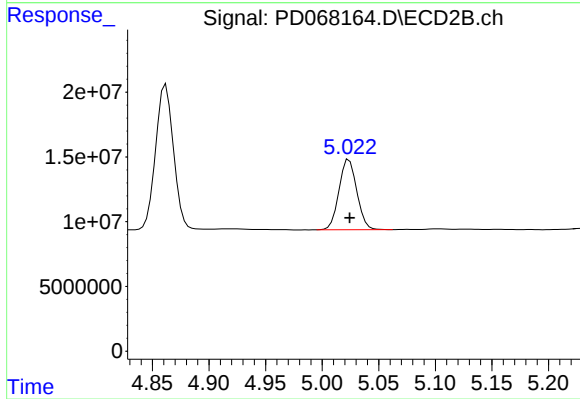
#3 gamma-BHC (Lindane)

R.T.: 4.862 min  
Delta R.T.: 0.000 min  
Response: 122547446  
Conc: 10.32 ng/ml



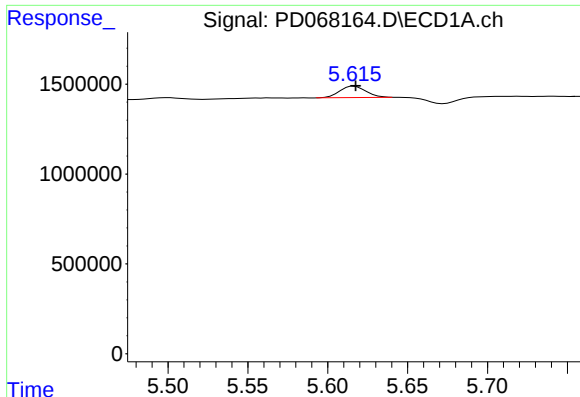
#6 beta-BHC

R.T.: 4.423 min  
Delta R.T.: 0.000 min  
Response: 9286415  
Conc: 10.90 ng/ml



#6 beta-BHC

R.T.: 5.024 min  
Delta R.T.: 0.000 min  
Response: 59444991  
Conc: 11.49 ng/ml



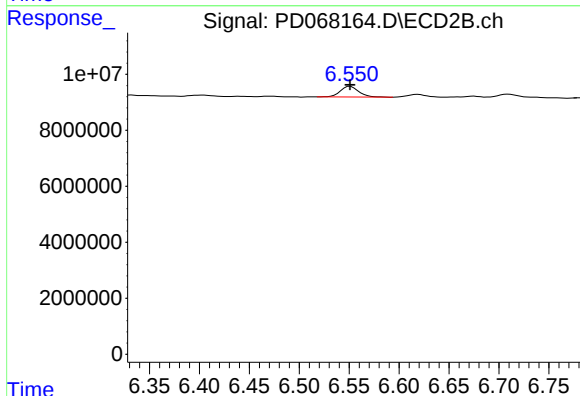
#12 4,4'-DDE

R.T.: 5.615 min  
Delta R.T.: -0.002 min  
Response: 718111  
Conc: 0.39 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

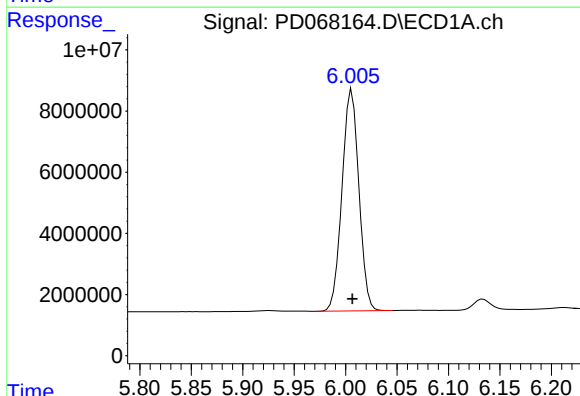
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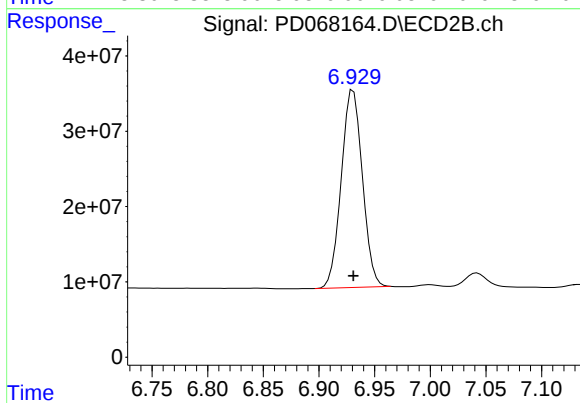
#12 4,4'-DDE

R.T.: 6.551 min  
Delta R.T.: 0.000 min  
Response: 4958124  
Conc: 0.55 ng/ml



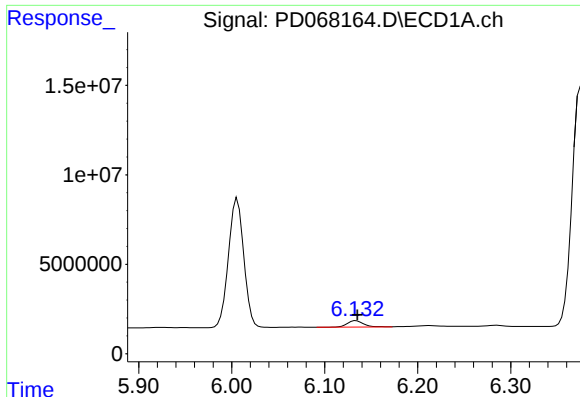
#14 Endrin

R.T.: 6.006 min  
Delta R.T.: 0.000 min  
Response: 82674319  
Conc: 50.39 ng/ml



#14 Endrin

R.T.: 6.931 min  
Delta R.T.: 0.000 min  
Response: 347435872  
Conc: 48.48 ng/ml



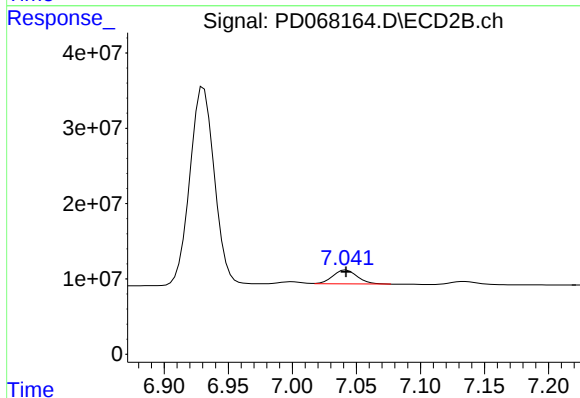
#16 4,4'-DDD

R.T.: 6.134 min  
Delta R.T.: -0.001 min  
Response: 4337104  
Conc: 2.83 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

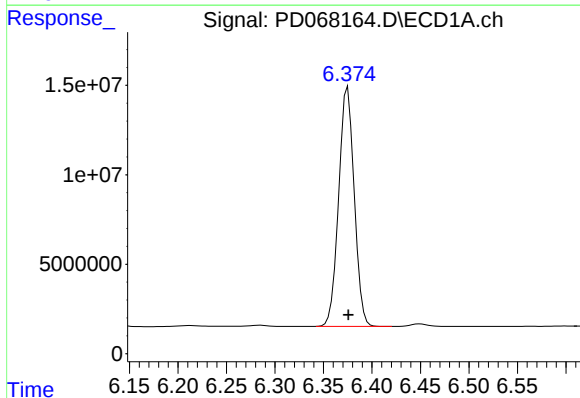
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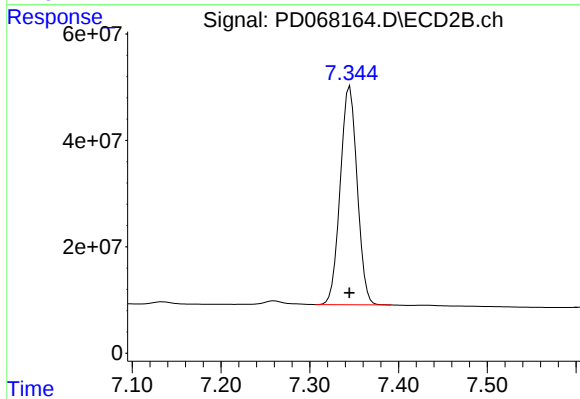
#16 4,4'-DDD

R.T.: 7.042 min  
Delta R.T.: 0.000 min  
Response: 24250992  
Conc: 3.46 ng/ml



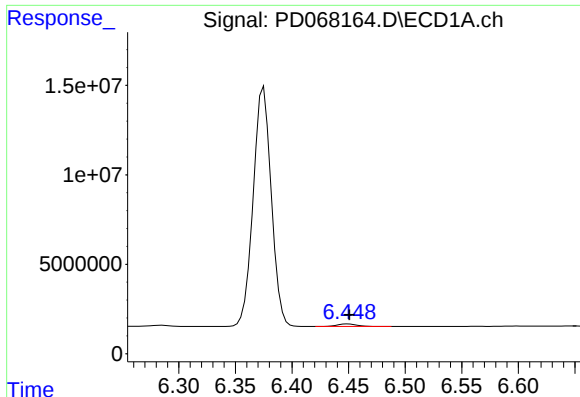
#17 4,4'-DDT

R.T.: 6.375 min  
Delta R.T.: 0.000 min  
Response: 148928643  
Conc: 108.25 ng/ml



#17 4,4'-DDT

R.T.: 7.345 min  
Delta R.T.: 0.000 min  
Response: 544752416  
Conc: 96.08 ng/ml



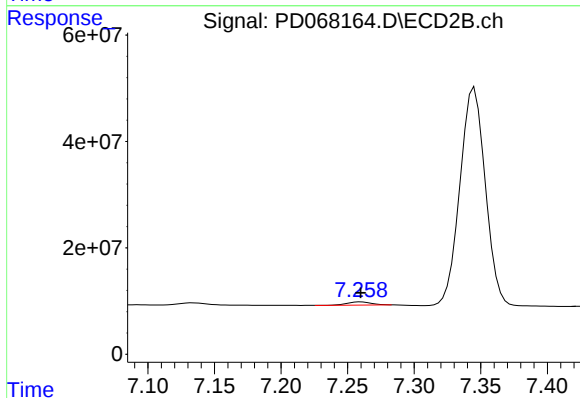
#18 Endrin aldehyde

R.T.: 6.450 min  
Delta R.T.: 0.000 min  
Response: 1747145  
Conc: 1.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

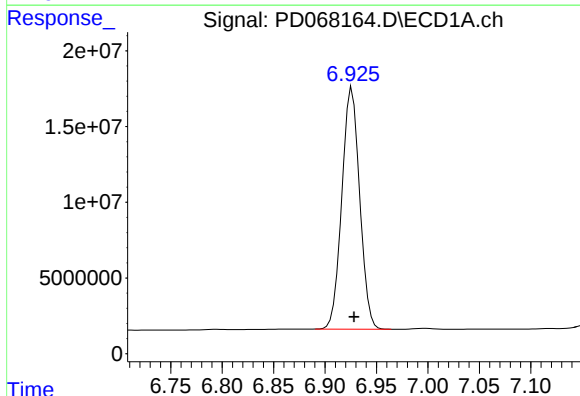
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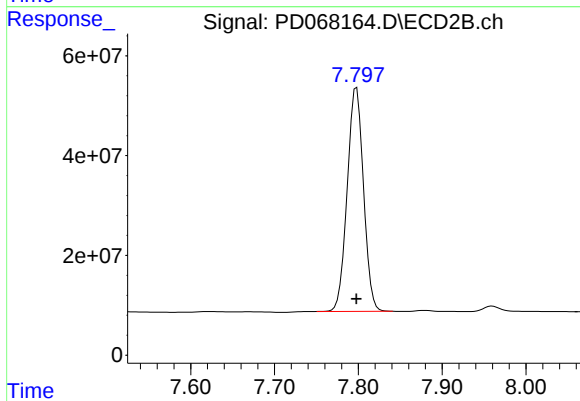
#18 Endrin aldehyde

R.T.: 7.258 min  
Delta R.T.: -0.002 min  
Response: 7496176  
Conc: 1.45 ng/ml m



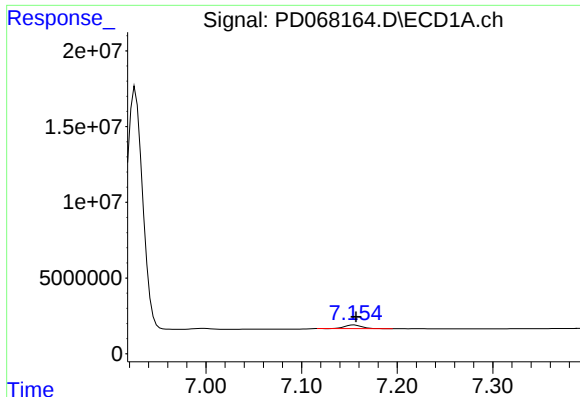
#20 Methoxychlor

R.T.: 6.926 min  
Delta R.T.: -0.002 min  
Response: 192337842  
Conc: 247.20 ng/ml



#20 Methoxychlor

R.T.: 7.798 min  
Delta R.T.: 0.000 min  
Response: 607575041  
Conc: 224.49 ng/ml



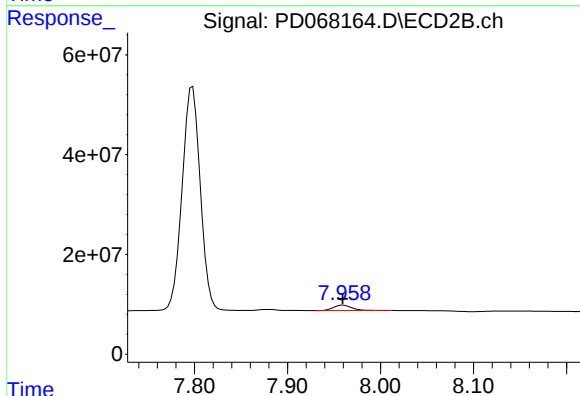
#21 Endrin ketone

R.T.: 7.155 min  
Delta R.T.: -0.002 min  
Response: 2902818  
Conc: 1.62 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

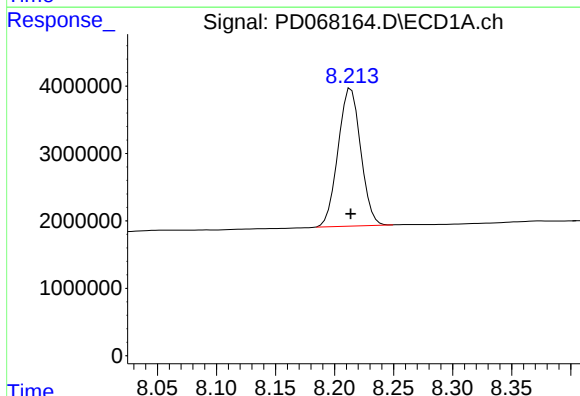
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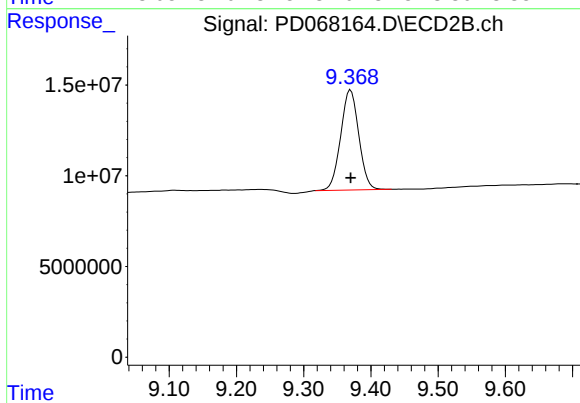
#21 Endrin ketone

R.T.: 7.960 min  
Delta R.T.: 0.000 min  
Response: 15258230  
Conc: 2.12 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.214 min  
Delta R.T.: 0.000 min  
Response: 27240500  
Conc: 19.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.370 min  
Delta R.T.: 0.000 min  
Response: 102791642  
Conc: 20.65 ng/ml