

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Data\PD112025\  
 Data File : PD091319.D  
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch  
 Acq On : 20 Nov 2025 18:28  
 Operator : AR\AJ  
 Sample : PEM  
 Misc :  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 ECD\_D  
 ClientSampleId :  
 PEM

Manual Integrations  
 APPROVED

Reviewed By :Abdul Mirza 11/21/2025  
 Supervised By :mohammad ahmed 11/22/2025

Integration File signal 1: autoint1.e  
 Integration File signal 2: autoint2.e  
 Quant Time: Nov 20 22:49:00 2025  
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD\_D\Method\PD111525.M  
 Quant Title : GC Extractables  
 QLast Update : Sat Nov 15 04:46:13 2025  
 Response via : Initial Calibration  
 Integrator: ChemStation

Volume Inj. : 1 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... | 3.541 | 2.872 | 67312750 | 740.3E6  | 19.519  | 20.211  |
| 28)                         | SA Decachlor... | 9.059 | 8.055 | 100.2E6  | 867.1E6  | 20.110  | 21.911  |
| Target Compounds            |                 |       |       |          |          |         |         |
| 2)                          | A alpha-BHC     | 3.990 | 3.383 | 65992714 | 622.4E6  | 8.254   | 9.847   |
| 3)                          | MA gamma-BHC... | 4.321 | 3.719 | 64097789 | 571.2E6  | 8.577   | 9.878   |
| 6)                          | B beta-BHC      | 4.509 | 4.015 | 27940522 | 241.2E6  | 9.616   | 10.039  |
| 12)                         | B 4,4'-DDE      | 6.185 | 5.359 | 930150   | 13498622 | 0.160   | 0.253m# |
| 14)                         | MA Endrin       | 6.563 | 5.775 | 233.6E6  | 2257.7E6 | 47.072  | 49.958  |
| 16)                         | A 4,4'-DDD      | 6.695 | 5.916 | 21517808 | 227.2E6  | 4.381   | 4.649   |
| 17)                         | MA 4,4'-DDT     | 7.011 | 6.169 | 382.1E6  | 3911.0E6 | 92.392  | 99.941  |
| 18)                         | B Endrin al...  | 6.905 | 6.244 | 4728463  | 46074764 | 1.135   | 1.306   |
| 20)                         | A Methoxychlor  | 7.484 | 6.739 | 460.4E6  | 4085.7E6 | 211.720 | 203.761 |
| 21)                         | B Endrin ke...  | 7.621 | 6.977 | 11066965 | 139.0E6  | 1.964   | 2.728 # |
| -----                       |                 |       |       |          |          |         |         |

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

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Acq On : 20 Nov 2025 18:28  
Operator : AR\AJ  
Sample : PEM  
Misc :  
ALS Vial : 3 Sample Multiplier: 1

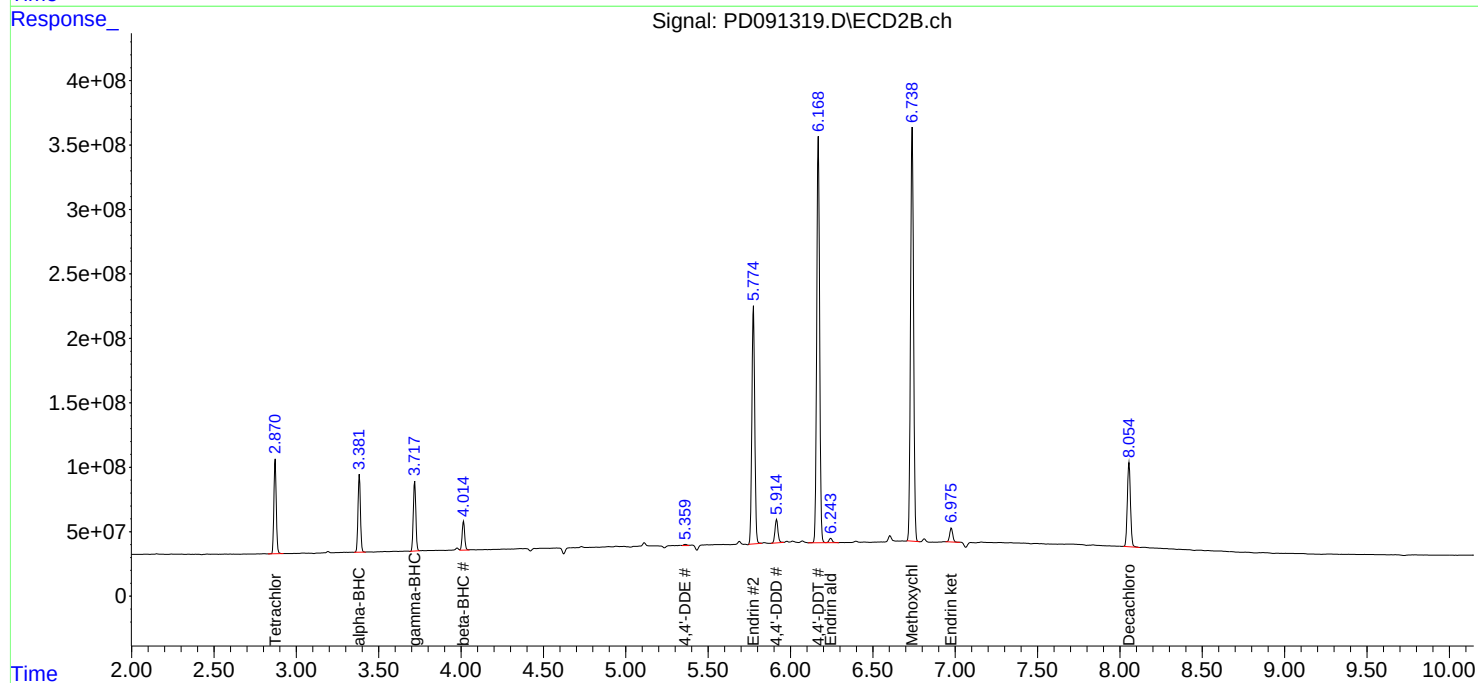
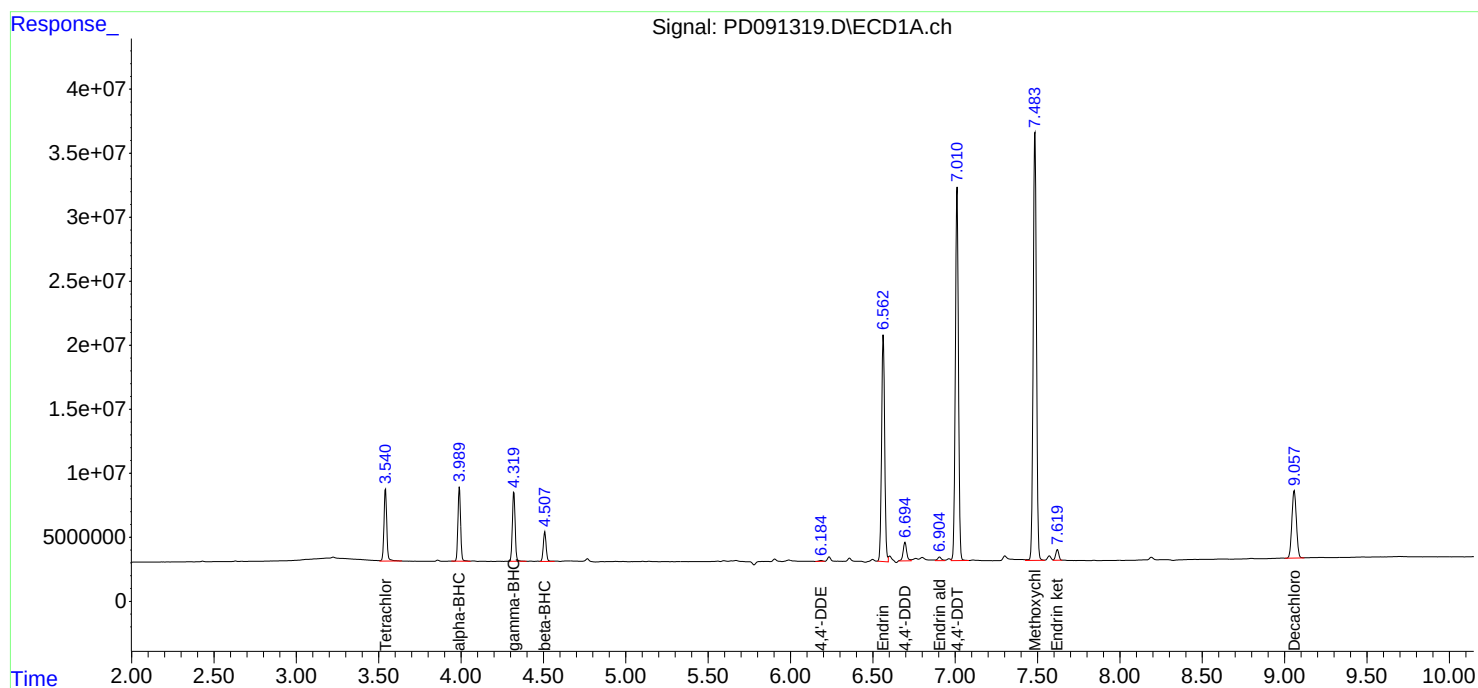
Instrument :  
ECD\_D  
ClientSampleId :  
PEM

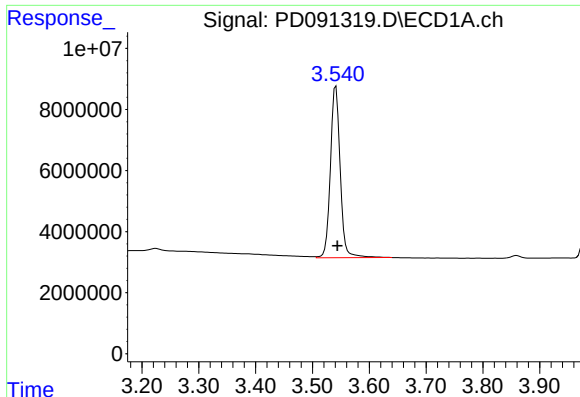
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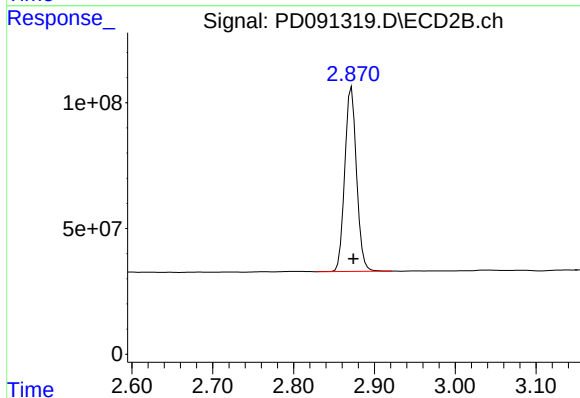
#1 Tetrachloro-m-xylene

R.T.: 3.541 min  
Delta R.T.: -0.003 min  
Response: 67312750  
Conc: 19.52 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

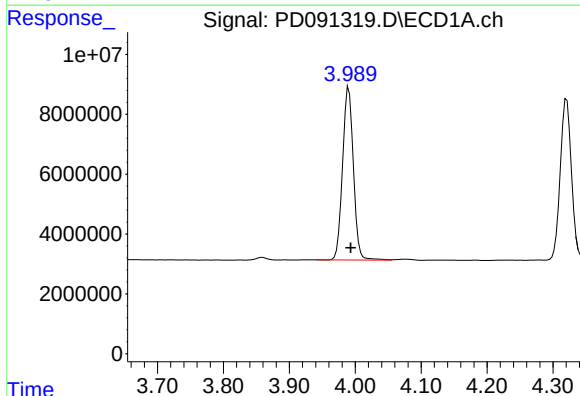
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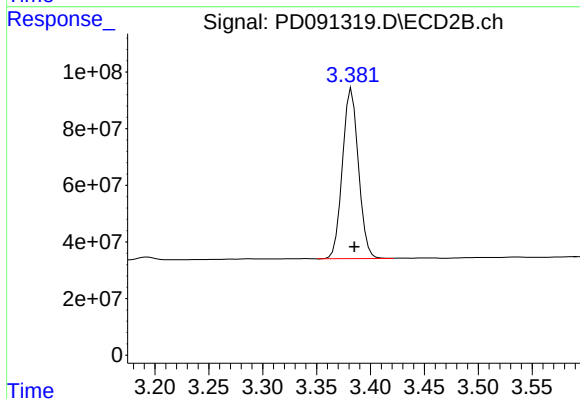
#1 Tetrachloro-m-xylene

R.T.: 2.872 min  
Delta R.T.: -0.002 min  
Response: 740349251  
Conc: 20.21 ng/ml



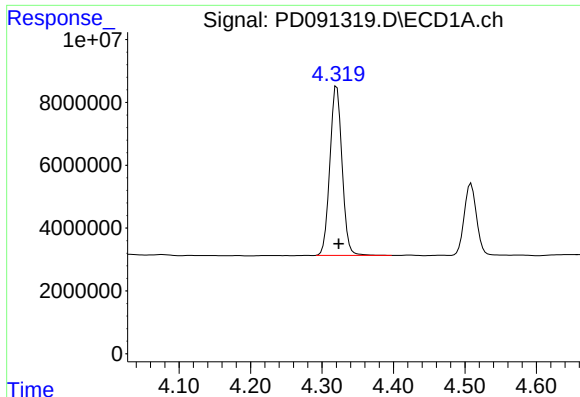
#2 alpha-BHC

R.T.: 3.990 min  
Delta R.T.: -0.003 min  
Response: 65992714  
Conc: 8.25 ng/ml



#2 alpha-BHC

R.T.: 3.383 min  
Delta R.T.: -0.003 min  
Response: 622370443  
Conc: 9.85 ng/ml



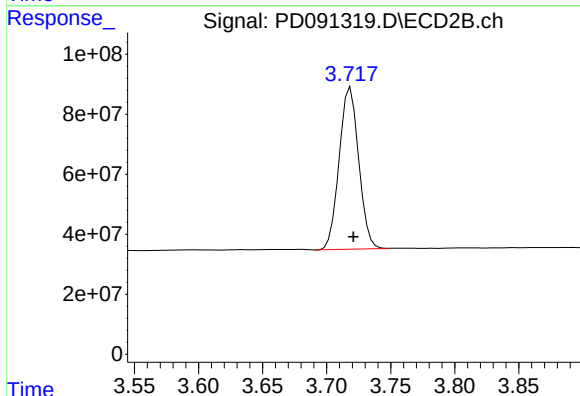
#3 gamma-BHC (Lindane)

R.T.: 4.321 min  
Delta R.T.: -0.003 min  
Response: 64097789  
Conc: 8.58 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

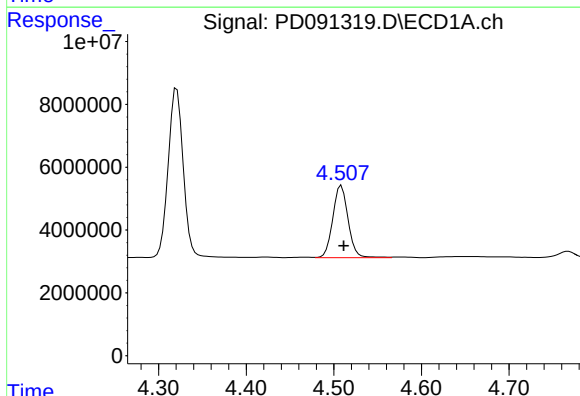
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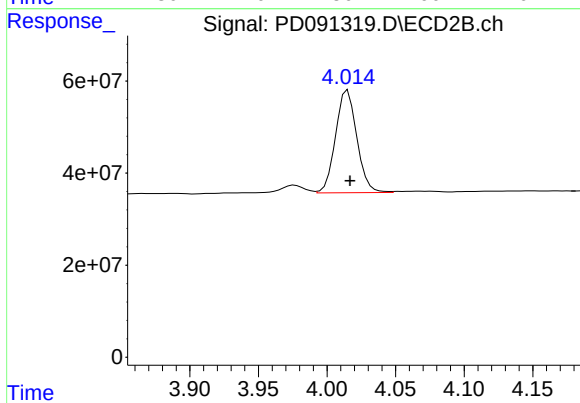
#3 gamma-BHC (Lindane)

R.T.: 3.719 min  
Delta R.T.: -0.002 min  
Response: 571157044  
Conc: 9.88 ng/ml



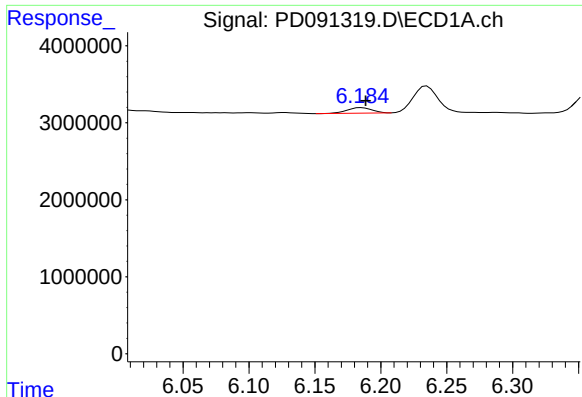
#6 beta-BHC

R.T.: 4.509 min  
Delta R.T.: -0.003 min  
Response: 27940522  
Conc: 9.62 ng/ml



#6 beta-BHC

R.T.: 4.015 min  
Delta R.T.: -0.002 min  
Response: 241206996  
Conc: 10.04 ng/ml



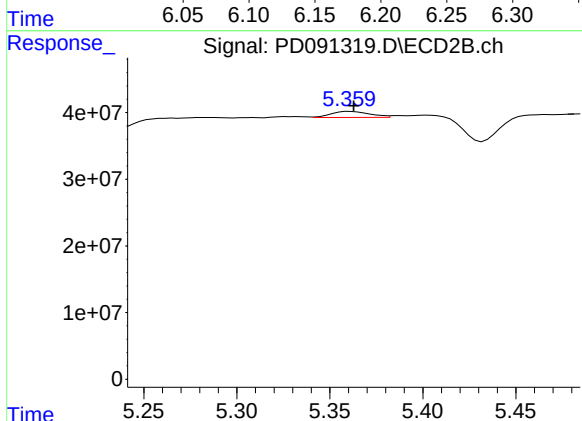
#12 4,4'-DDE

R.T.: 6.185 min  
Delta R.T.: -0.003 min  
Response: 930150  
Conc: 0.16 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

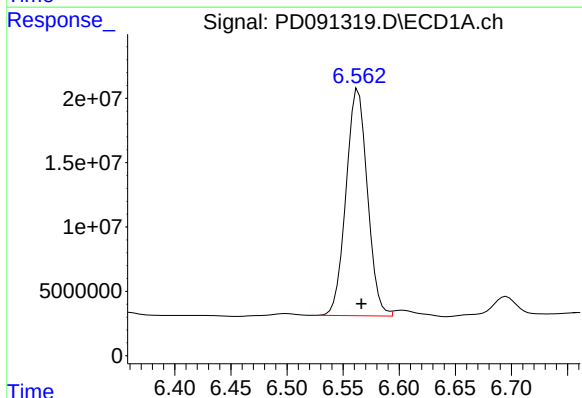
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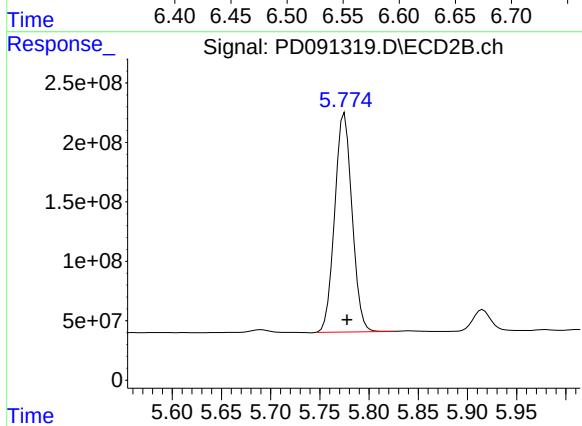
#12 4,4'-DDE

R.T.: 5.359 min  
Delta R.T.: -0.004 min  
Response: 13498622  
Conc: 0.25 ng/ml m



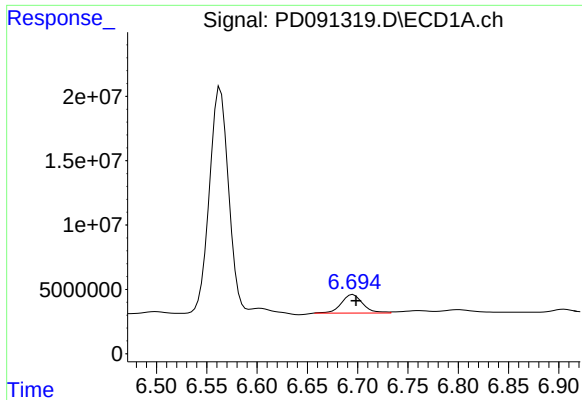
#14 Endrin

R.T.: 6.563 min  
Delta R.T.: -0.003 min  
Response: 233642926  
Conc: 47.07 ng/ml



#14 Endrin

R.T.: 5.775 min  
Delta R.T.: -0.003 min  
Response: 2257714330  
Conc: 49.96 ng/ml



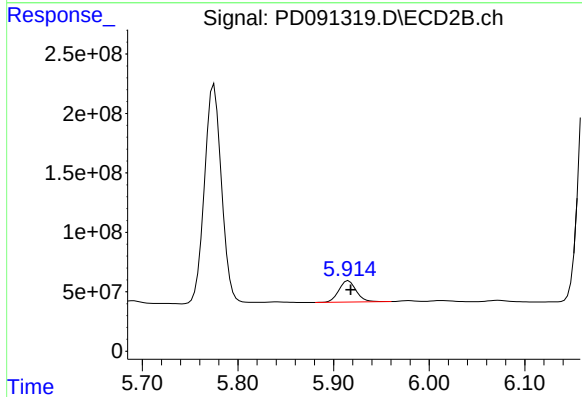
#16 4,4'-DDD

R.T.: 6.695 min  
Delta R.T.: -0.003 min  
Response: 21517808  
Conc: 4.38 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

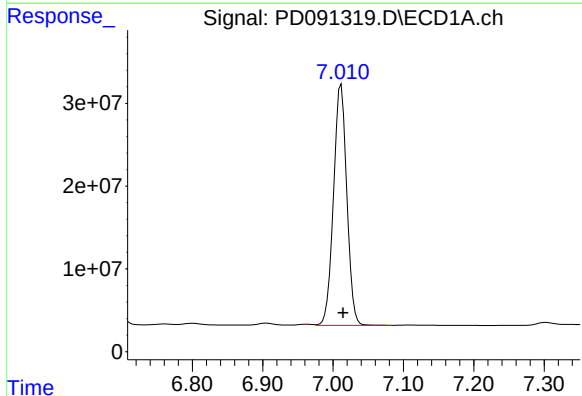
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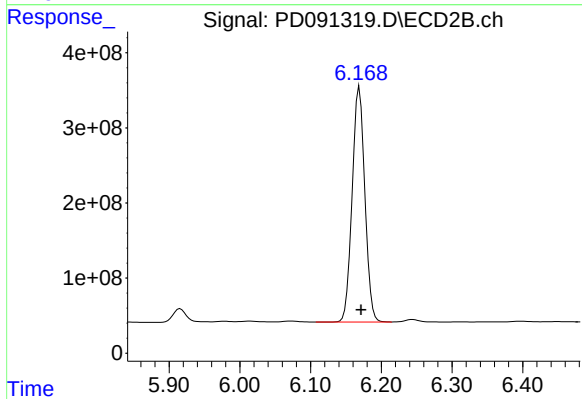
#16 4,4'-DDD

R.T.: 5.916 min  
Delta R.T.: -0.002 min  
Response: 227203649  
Conc: 4.65 ng/ml



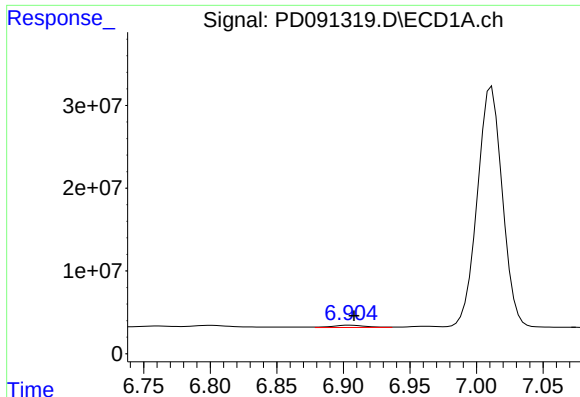
#17 4,4'-DDT

R.T.: 7.011 min  
Delta R.T.: -0.003 min  
Response: 382089030  
Conc: 92.39 ng/ml



#17 4,4'-DDT

R.T.: 6.169 min  
Delta R.T.: -0.002 min  
Response: 3910962521  
Conc: 99.94 ng/ml



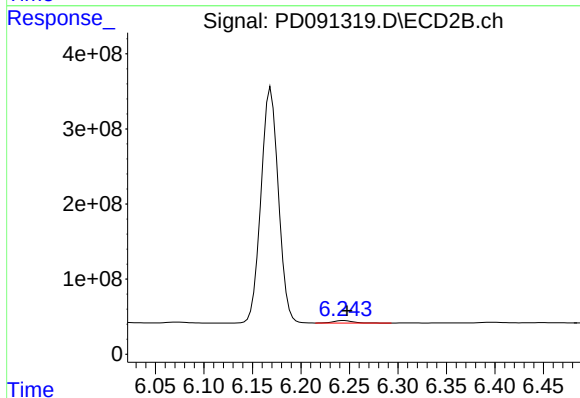
#18 Endrin aldehyde

R.T.: 6.905 min  
Delta R.T.: -0.003 min  
Response: 4728463  
Conc: 1.14 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

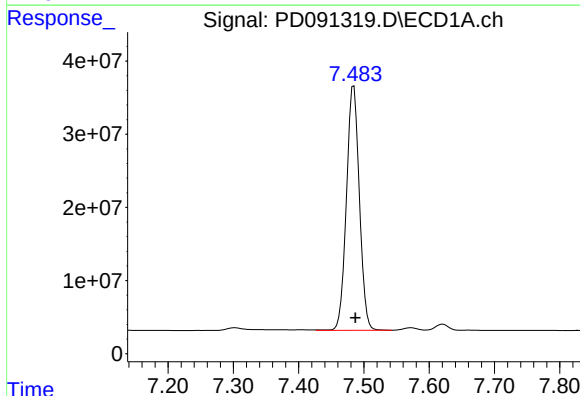
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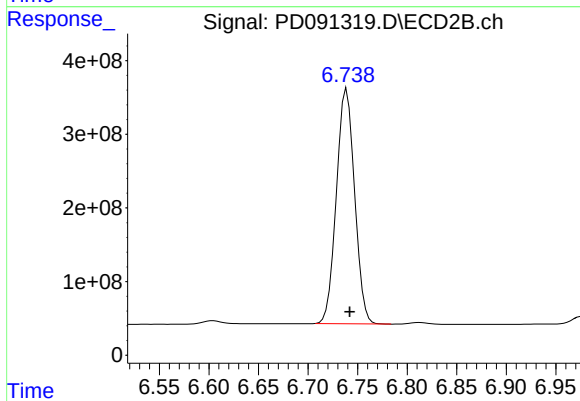
#18 Endrin aldehyde

R.T.: 6.244 min  
Delta R.T.: -0.003 min  
Response: 46074764  
Conc: 1.31 ng/ml



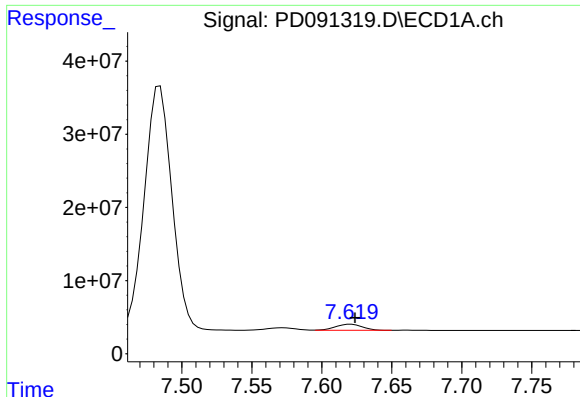
#20 Methoxychlor

R.T.: 7.484 min  
Delta R.T.: -0.003 min  
Response: 460351335  
Conc: 211.72 ng/ml



#20 Methoxychlor

R.T.: 6.739 min  
Delta R.T.: -0.003 min  
Response: 4085701905  
Conc: 203.76 ng/ml



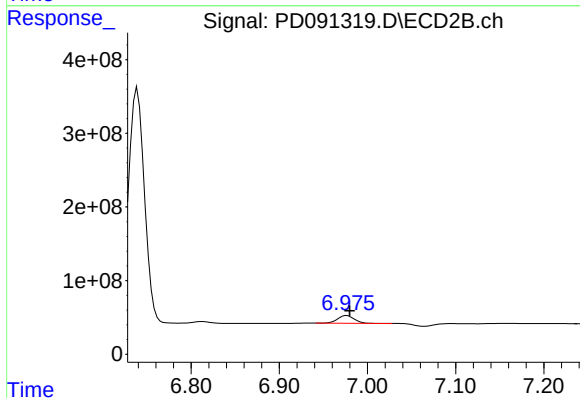
#21 Endrin ketone

R.T.: 7.621 min  
Delta R.T.: -0.003 min  
Response: 11066965  
Conc: 1.96 ng/ml

Instrument :  
ECD\_D  
ClientSampleId :  
PEM

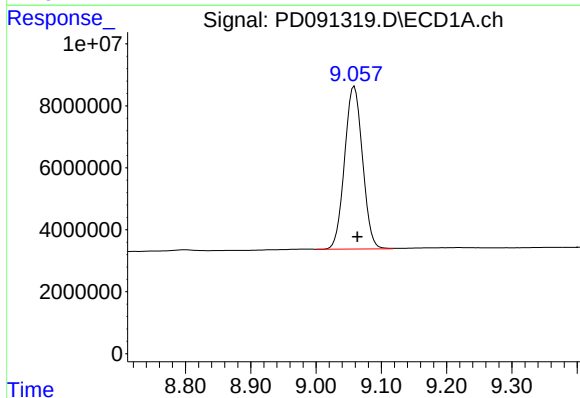
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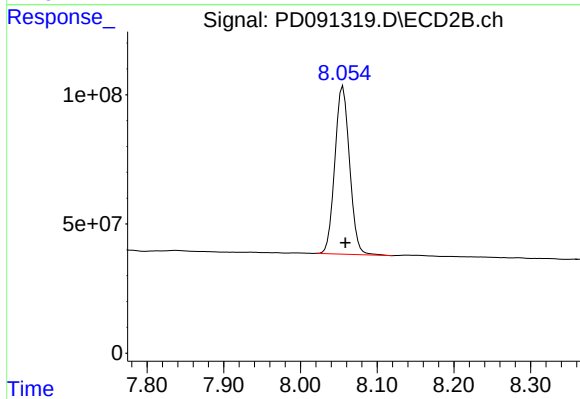
#21 Endrin ketone

R.T.: 6.977 min  
Delta R.T.: -0.003 min  
Response: 139030830  
Conc: 2.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.059 min  
Delta R.T.: -0.005 min  
Response: 100184045  
Conc: 20.11 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.055 min  
Delta R.T.: -0.003 min  
Response: 867113142  
Conc: 21.91 ng/ml