

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042125\
 Data File : PD088181.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Apr 2025 19:37
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/22/2025
 Supervised By : mohammad ahmed 04/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 21 22:47:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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 x 0.5 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...	3.552	2.883	45593827	331.2E6	22.827	22.651
28) SA Decachlor...	9.074	8.077	70741896	365.3E6	21.384	19.767
Target Compounds						
2) A alpha-BHC	4.001	3.396	45592387	273.2E6	10.573	11.948
3) MA gamma-BHC...	4.331	3.732	45453971	251.6E6	10.855	11.682
6) B beta-BHC	4.516	4.028	19620107	117.9E6	12.086	12.744
12) B 4,4'-DDE	6.199	5.378	483308	1807254	0.147m	0.092m#
14) MA Endrin	6.576	5.792	155.7E6	894.1E6	52.216	49.119
16) A 4,4'-DDD	6.706	5.933	6436052	47830572	2.559	2.919
17) MA 4,4'-DDT	7.022	6.187	281.9E6	1573.0E6	101.492	92.437
18) B Endrin al...	6.916	6.262	3538575	27202033	1.533	2.045 #
20) A Methoxychlor	7.494	6.758	365.7E6	1780.8E6	243.865	195.245
21) B Endrin ke...	7.631	6.995	6326215	48782589	2.050	2.608 #

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

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Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

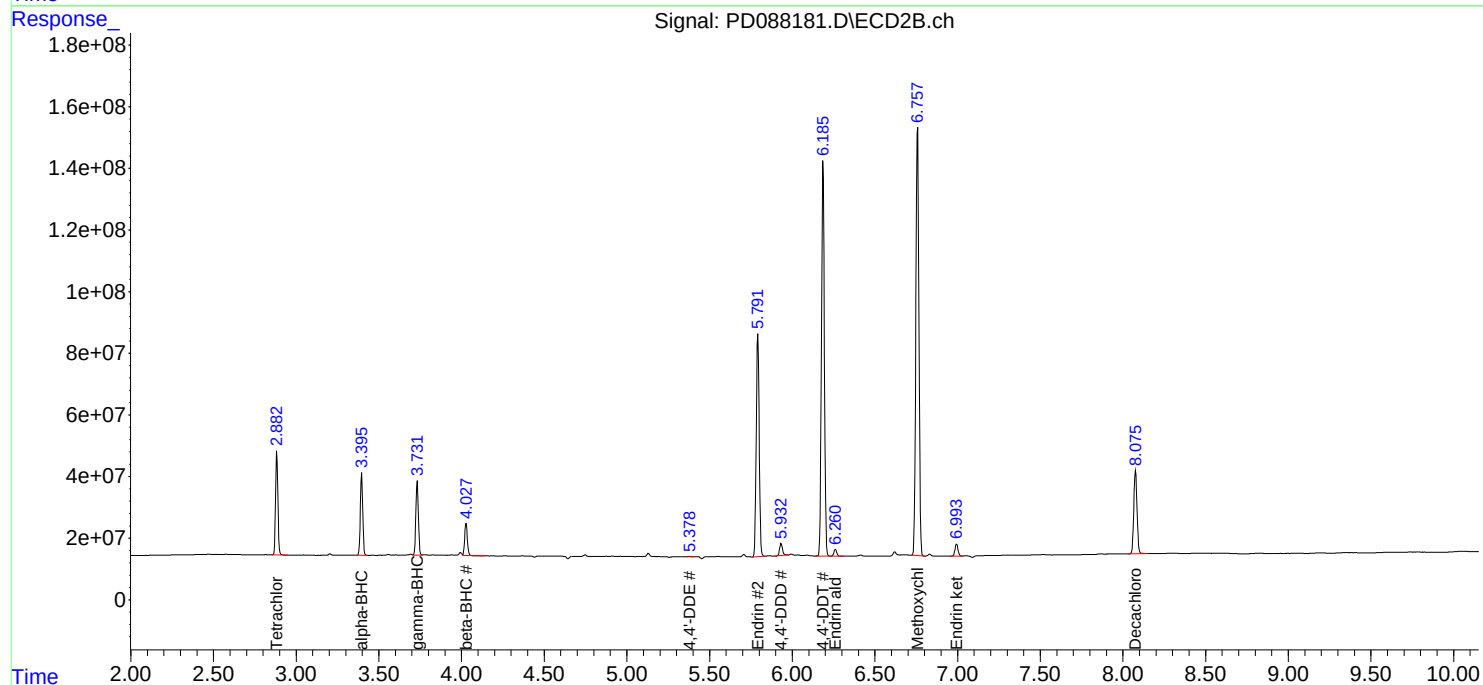
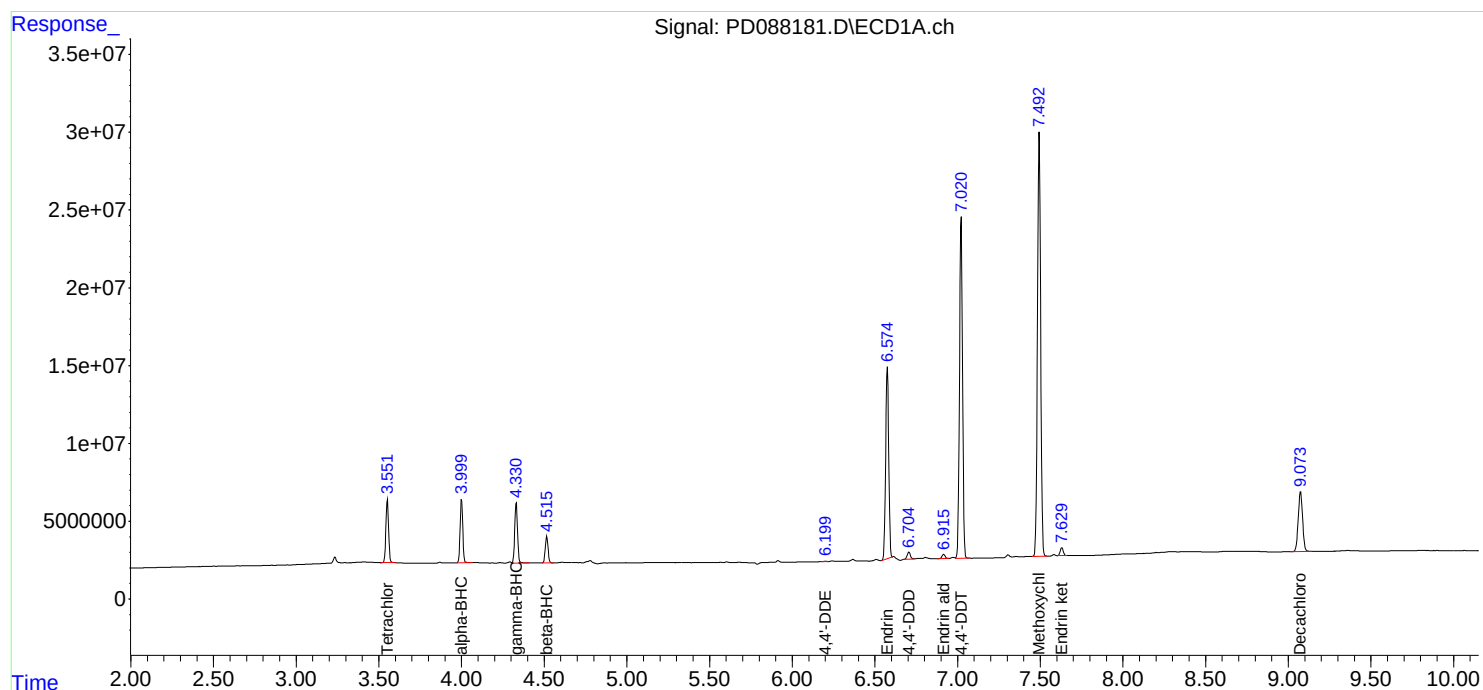
Instrument :
ECD_D
ClientSampleId :
PEM

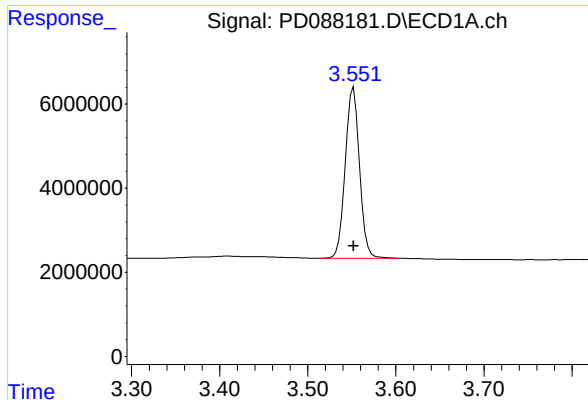
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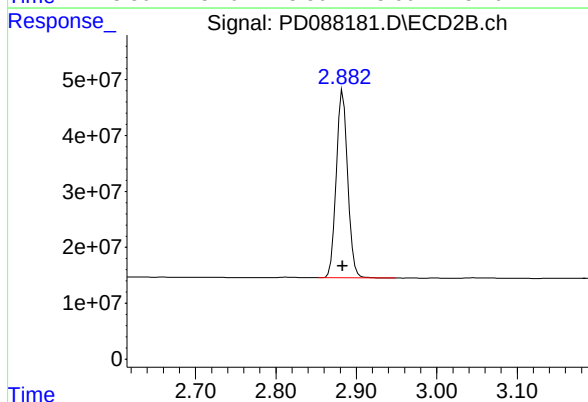
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 45593827
Conc: 22.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

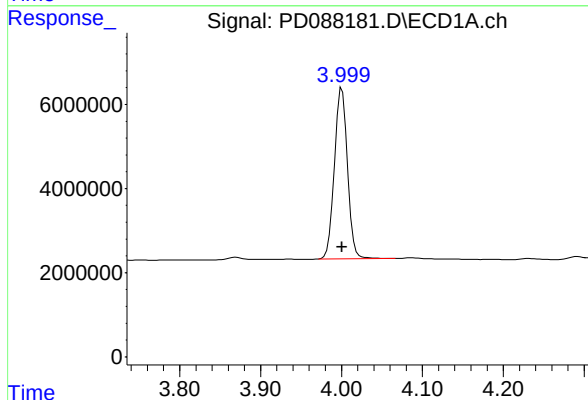
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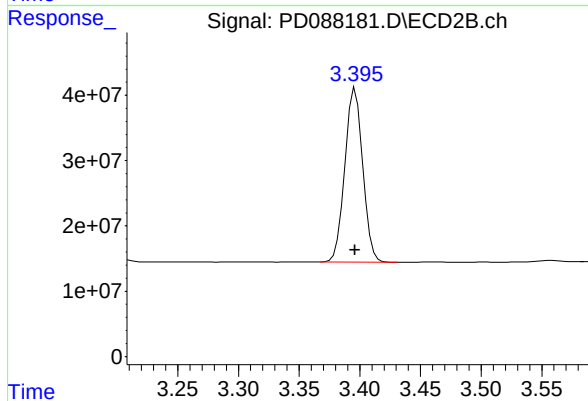
#1 Tetrachloro-m-xylene

R.T.: 2.883 min
Delta R.T.: 0.000 min
Response: 331191720
Conc: 22.65 ng/ml



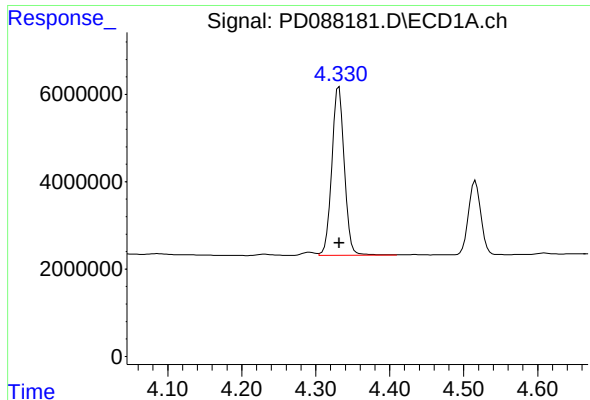
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 45592387
Conc: 10.57 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.000 min
Response: 273158429
Conc: 11.95 ng/ml



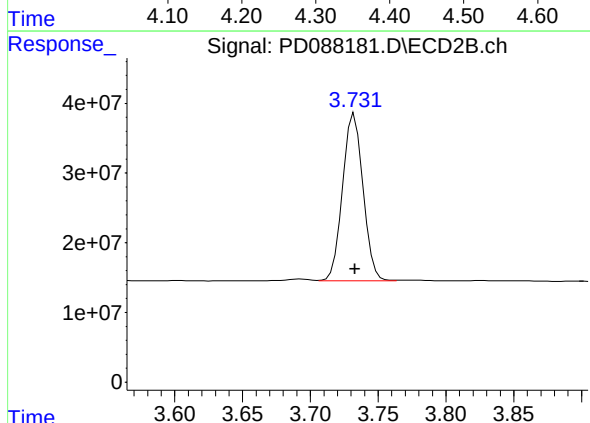
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 45453971
Conc: 10.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

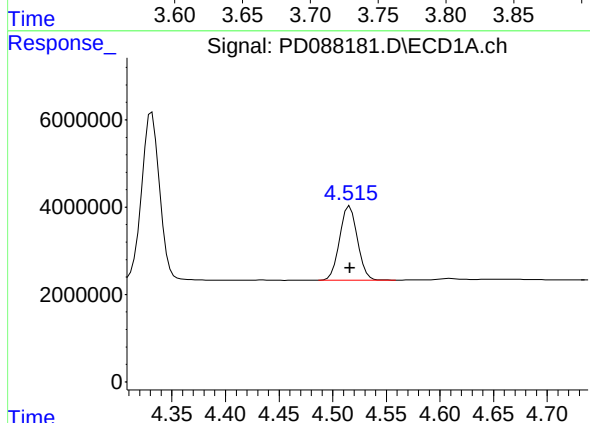
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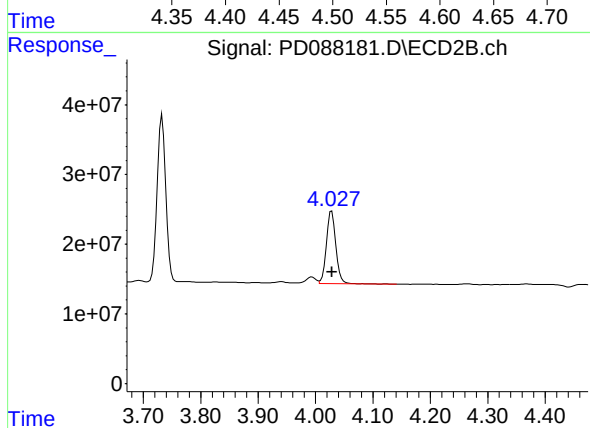
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: 0.000 min
Response: 251622713
Conc: 11.68 ng/ml



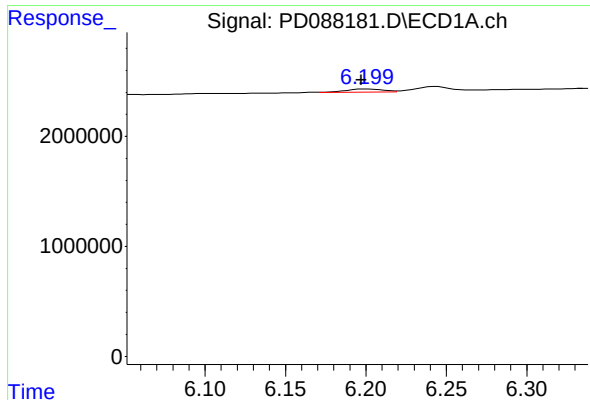
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 19620107
Conc: 12.09 ng/ml



#6 beta-BHC

R.T.: 4.028 min
Delta R.T.: 0.000 min
Response: 117930220
Conc: 12.74 ng/ml



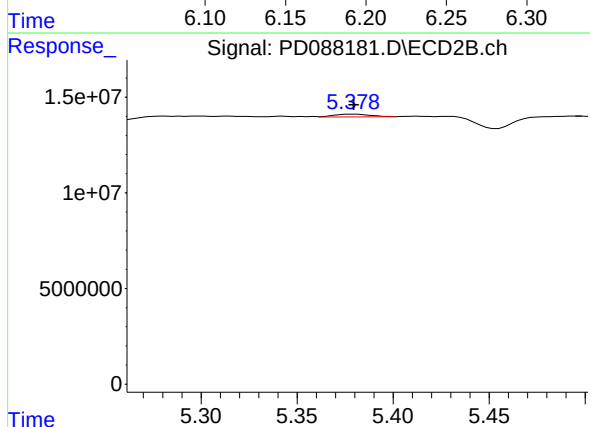
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.002 min
Response: 483308
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

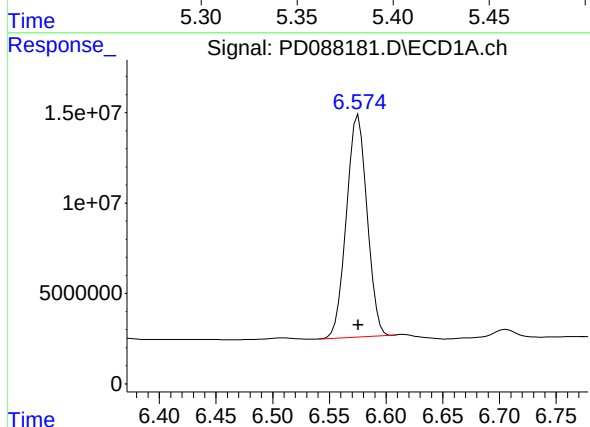
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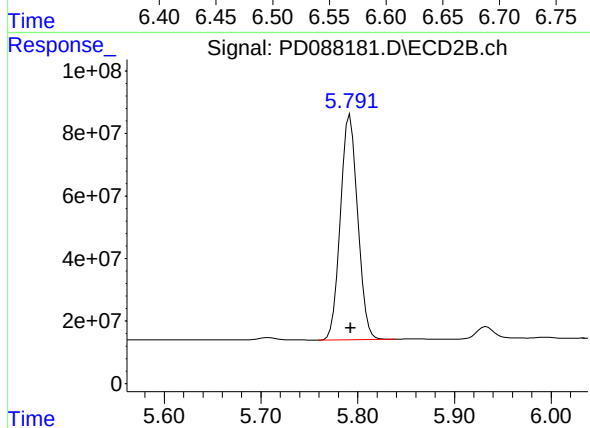
#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 1807254
Conc: 0.09 ng/ml



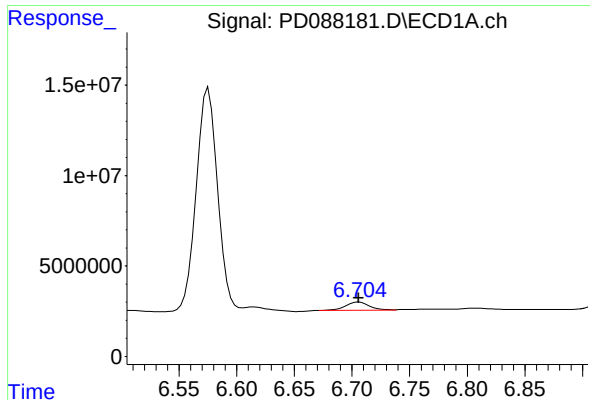
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 155736777
Conc: 52.22 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 894080950
Conc: 49.12 ng/ml



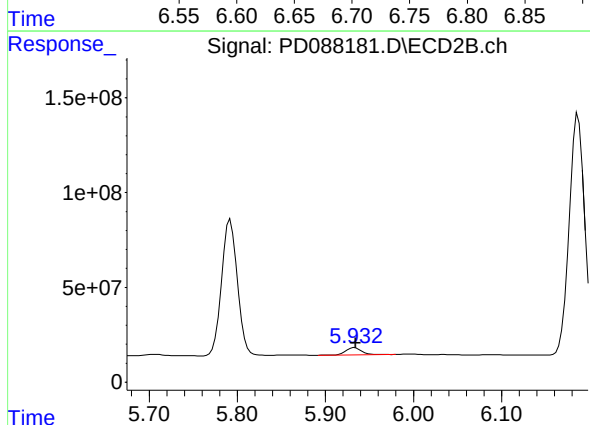
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 6436052
Conc: 2.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

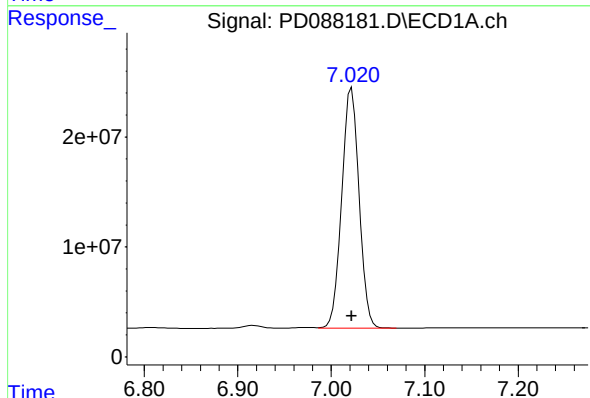
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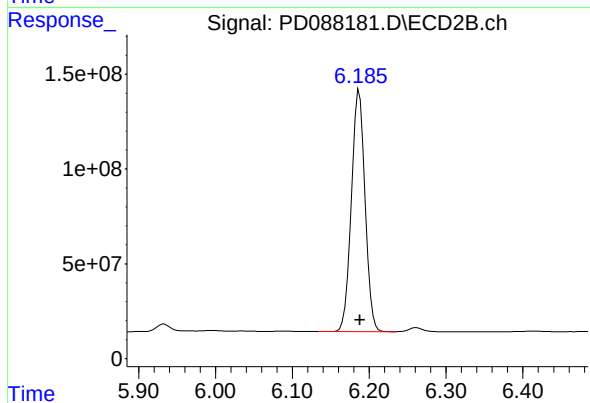
#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 47830572
Conc: 2.92 ng/ml



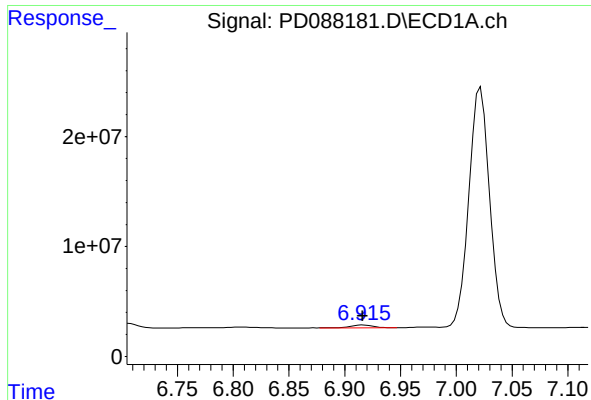
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 281896848
Conc: 101.49 ng/ml



#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 1572960863
Conc: 92.44 ng/ml



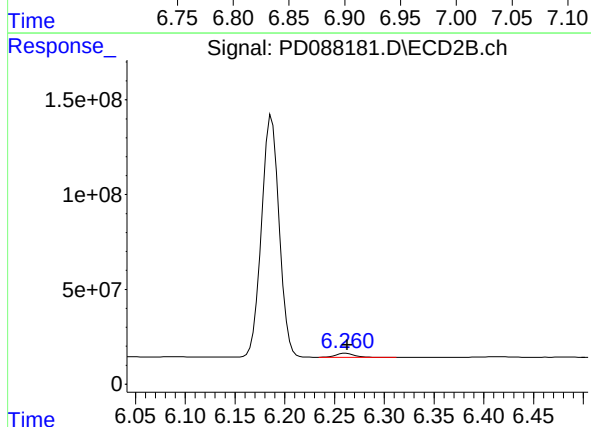
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 3538575
Conc: 1.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

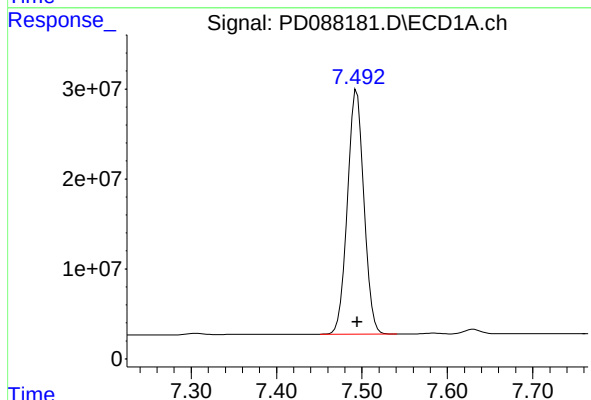
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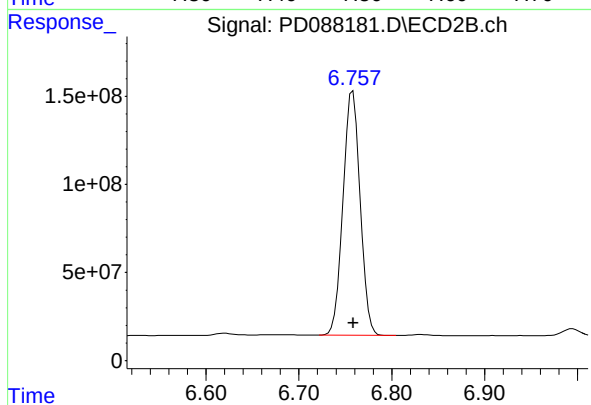
#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: -0.001 min
Response: 27202033
Conc: 2.05 ng/ml



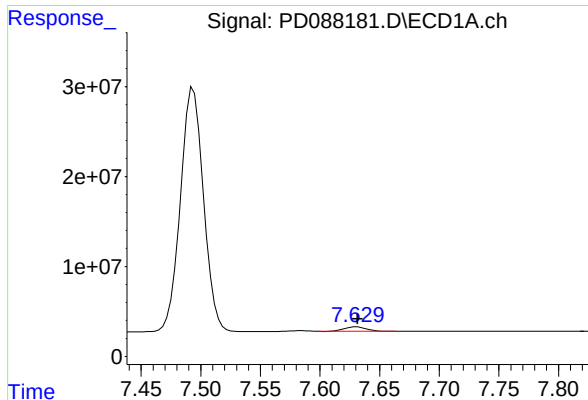
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 365686020
Conc: 243.86 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 1780836920
Conc: 195.24 ng/ml



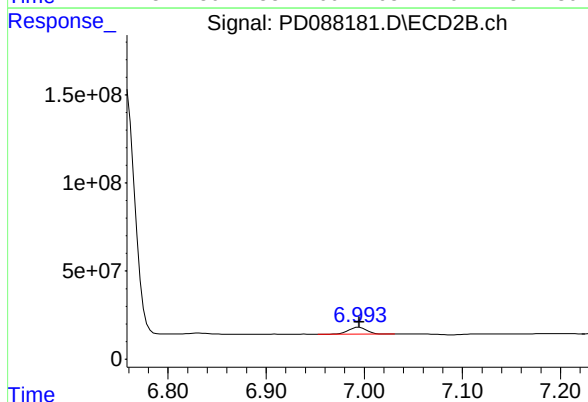
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 6326215
Conc: 2.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

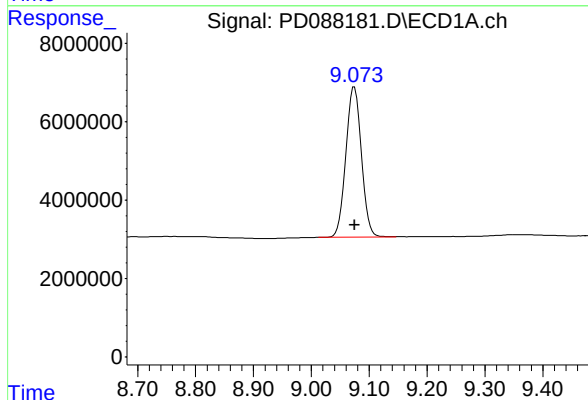
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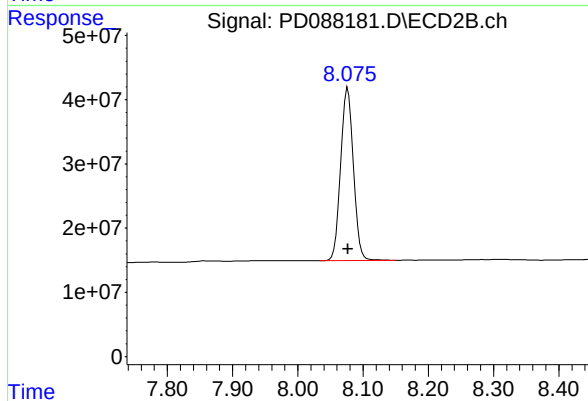
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 48782589
Conc: 2.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 70741896
Conc: 21.38 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 365292739
Conc: 19.77 ng/ml