

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051925\
 Data File : PD088584.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 May 2025 11:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/20/2025
 Supervised By : mohammad ahmed 05/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 19 14:00:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 13:57:43 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...	3.550	2.881	43185677	307.7E6	19.959	20.343
2) SA Decachlor...	9.076	8.076	73616024	382.7E6	21.510	20.961
Target Compounds						
2) A alpha-BHC	3.999	3.394	43541198	252.7E6	9.116	10.572
3) MA gamma-BHC...	4.331	3.731	43519433	236.4E6	9.455	10.667
6) B beta-BHC	4.516	4.027	18494243	107.0E6	10.257	10.988
14) MA Endrin	6.576	5.792	173.7E6	934.8E6	50.857	48.473
16) A 4,4'-DDD	6.705	5.935	591782	4809668	0.212m	0.277m#
17) MA 4,4'-DDT	7.023	6.186	316.0E6	1724.8E6	101.208	95.099
18) B Endrin al...	6.919	6.258	496243	8463657	0.193m	0.608m#
20) A Methoxychlor	7.495	6.757	392.1E6	1873.1E6	234.711	195.632
21) B Endrin ke...	7.631	6.992	1317638	9059485	0.385m	0.468m

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

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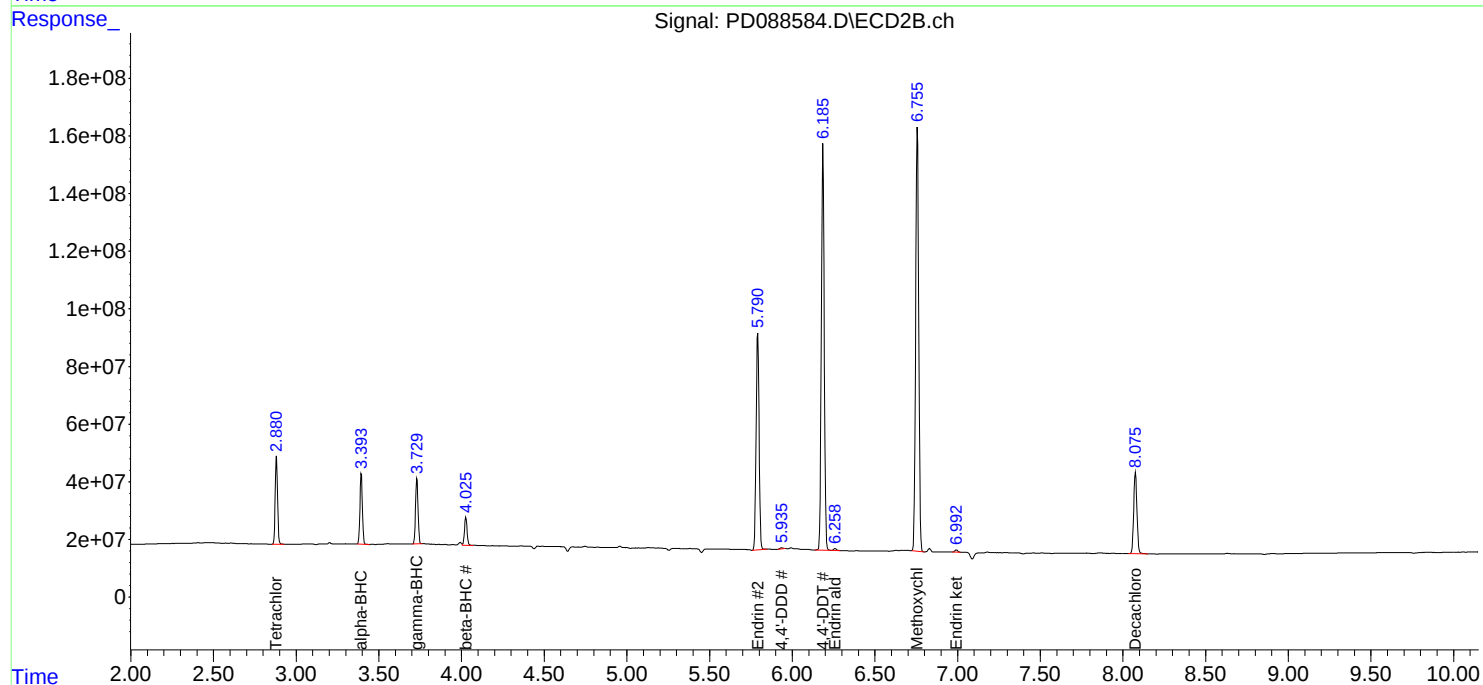
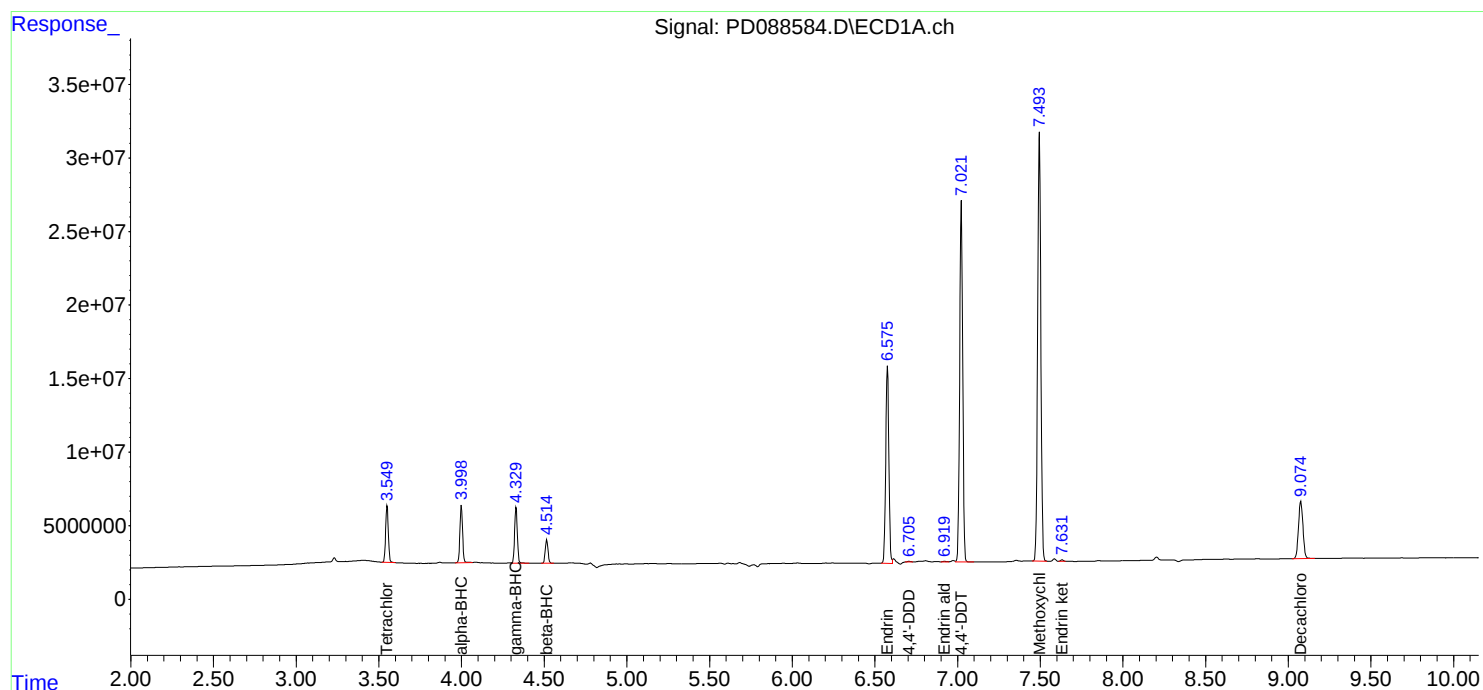
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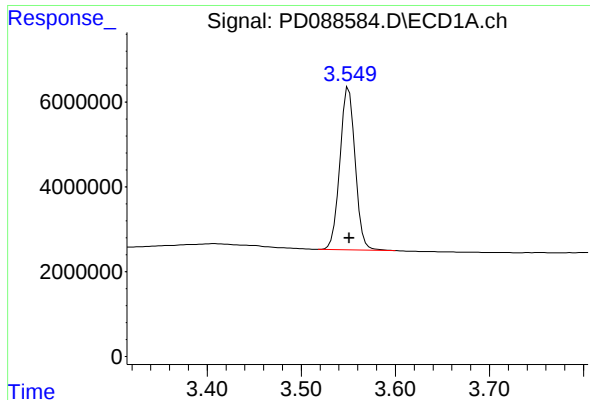
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Integration File signal 2: autoint2.e
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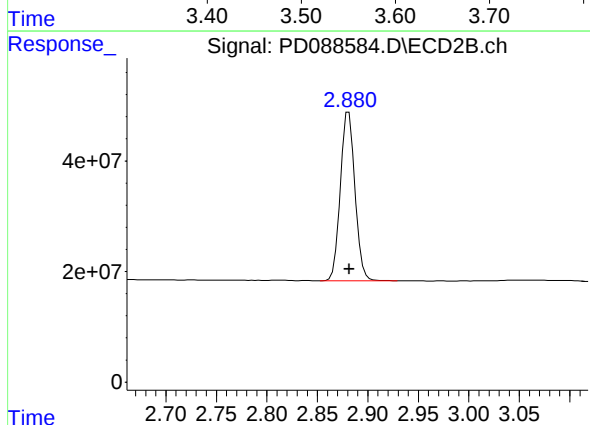
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 43185677
Conc: 19.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

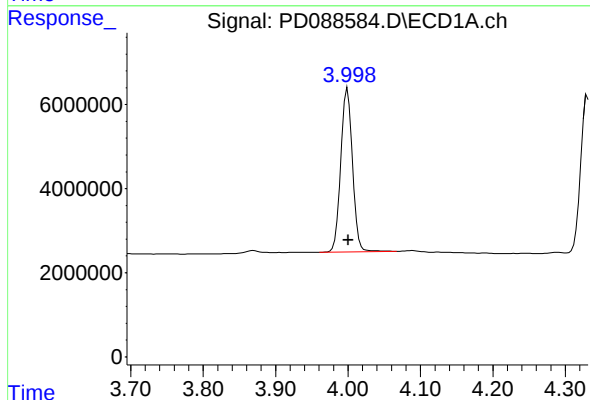
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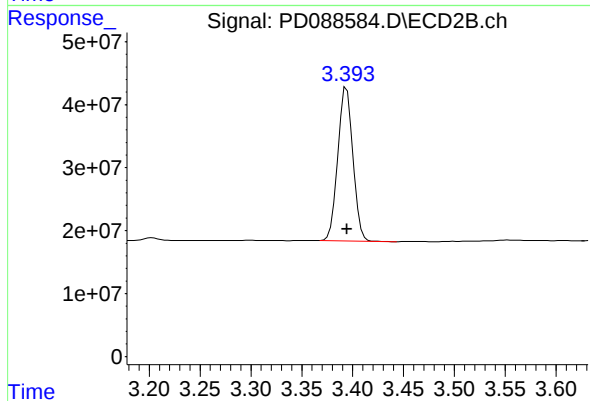
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 307731812
Conc: 20.34 ng/ml



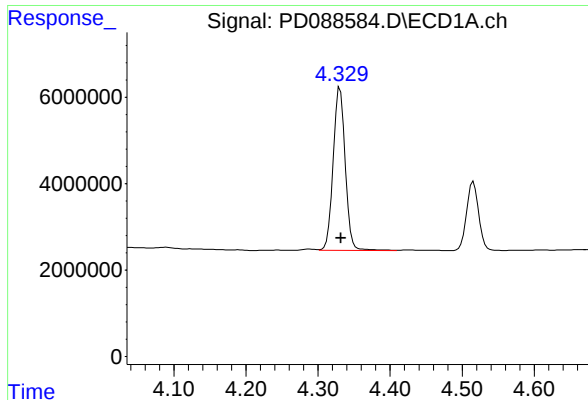
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.001 min
Response: 43541198
Conc: 9.12 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 252707737
Conc: 10.57 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: -0.001 min
Response: 43519433
Conc: 9.46 ng/ml

Instrument :

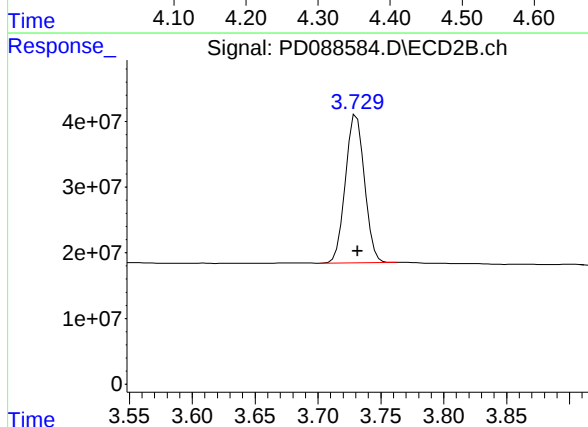
ECD_D

ClientSampleId :

PEM

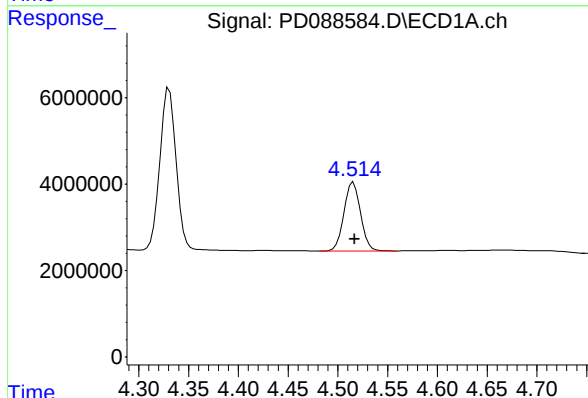
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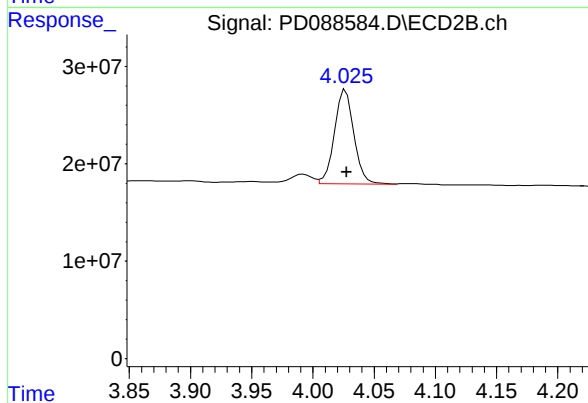
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 236443252
Conc: 10.67 ng/ml



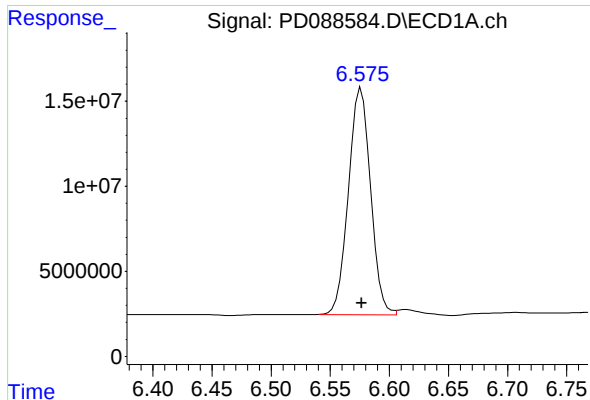
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: -0.001 min
Response: 18494243
Conc: 10.26 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 107044796
Conc: 10.99 ng/ml



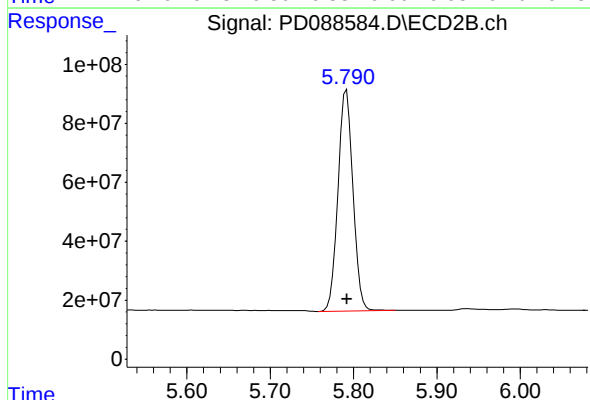
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 173685082
Conc: 50.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

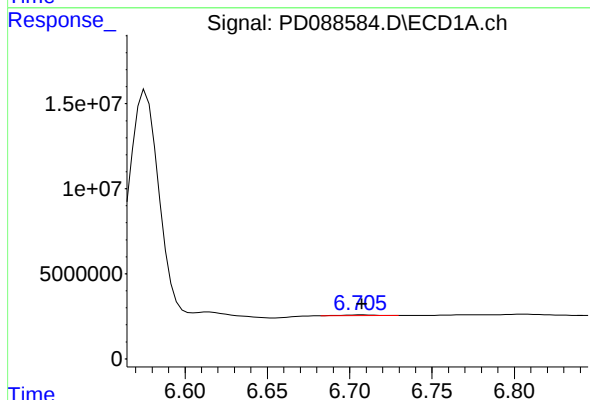
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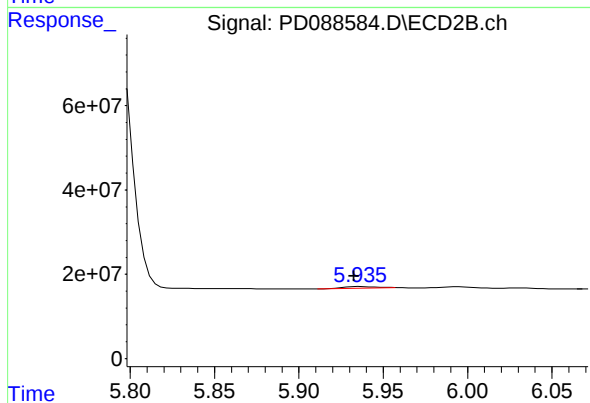
#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 934754801
Conc: 48.47 ng/ml



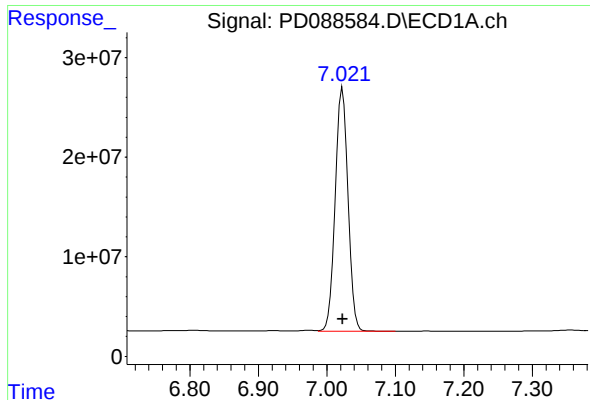
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.003 min
Response: 591782
Conc: 0.21 ng/ml m



#16 4,4'-DDD

R.T.: 5.935 min
Delta R.T.: 0.002 min
Response: 4809668
Conc: 0.28 ng/ml m



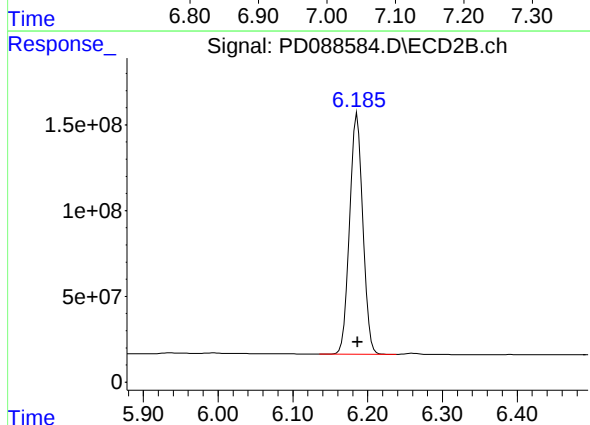
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 315976412
Conc: 101.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

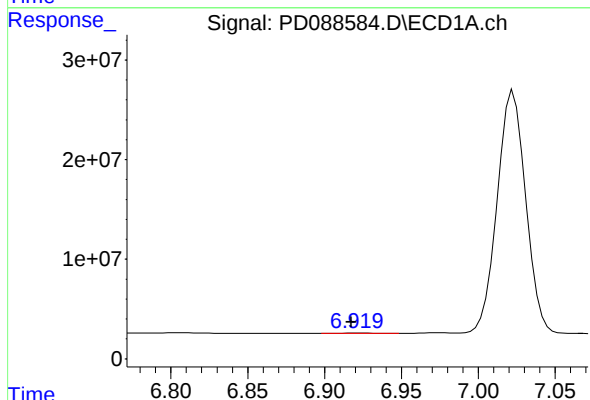
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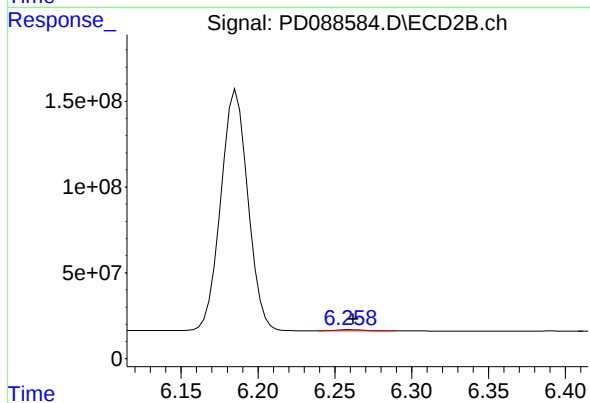
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: 0.000 min
Response: 1724841287
Conc: 95.10 ng/ml



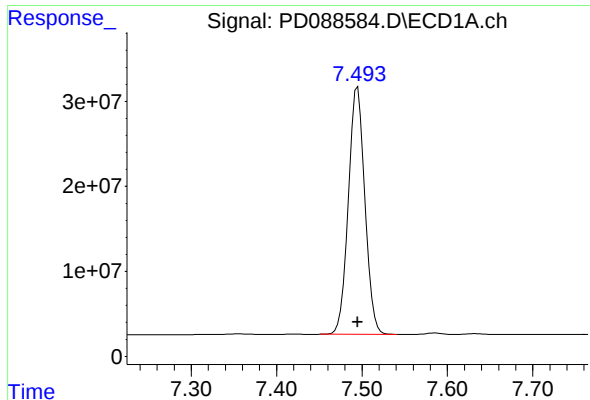
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.002 min
Response: 496243
Conc: 0.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 8463657
Conc: 0.61 ng/ml m



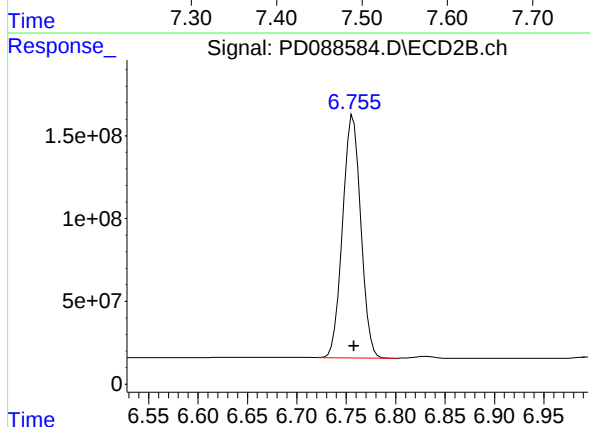
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 392097860
Conc: 234.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

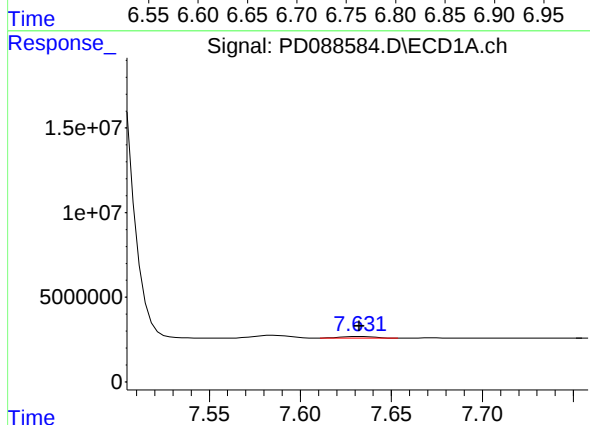
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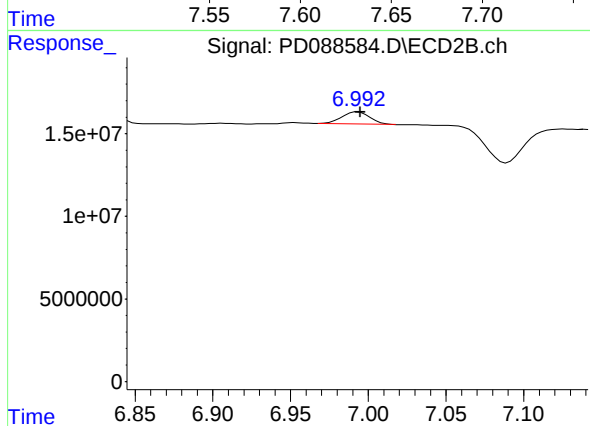
#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 1873132344
Conc: 195.63 ng/ml



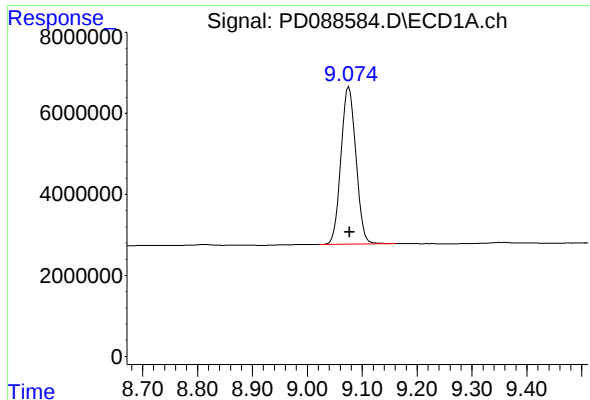
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 1317638
Conc: 0.38 ng/ml m



#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 9059485
Conc: 0.47 ng/ml m



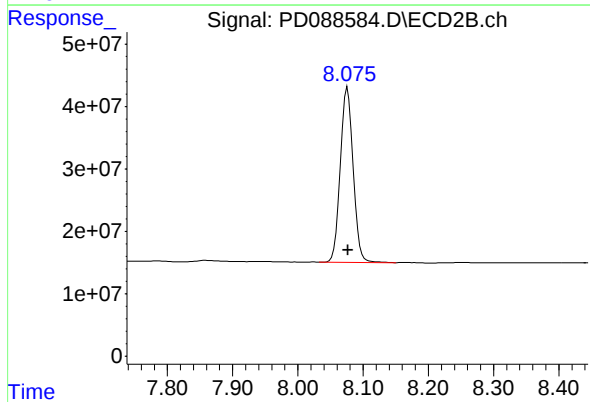
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.002 min
Response: 73616024
Conc: 21.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 382665210
Conc: 20.96 ng/ml