

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD042325\
 Data File : PD088232.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Apr 2025 08:59
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 04/24/2025
 Supervised By : mohammad ahmed 04/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 23 10:47:07 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...	3.551	2.882	48640592	350.4E6	24.352	23.962
28)	SA Decachlor...	9.074	8.076	75303845	404.1E6	22.763	21.869
Target Compounds							
2)	A alpha-BHC	4.000	3.395	47712293	283.1E6	11.065	12.384
3)	MA gamma-BHC...	4.332	3.732	47770769	264.6E6	11.408	12.286
6)	B beta-BHC	4.516	4.027	20268403	118.5E6	12.485	12.805
12)	B 4,4'-DDE	6.198	5.377	479096	2131669	0.145m	0.108m#
14)	MA Endrin	6.576	5.792	177.1E6	978.2E6	59.366	53.738
16)	A 4,4'-DDD	6.705	5.933	10353852	77436997	4.117	4.726
17)	MA 4,4'-DDT	7.022	6.187	307.9E6	1680.1E6	110.861	98.734
18)	B Endrin al...	6.917	6.260	1245767	13145903	0.540	0.988 #
20)	A Methoxychlor	7.494	6.757	380.5E6	1785.2E6	253.714	195.719
21)	B Endrin ke...	7.631	6.993	4036645	36220587	1.308	1.937 #

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

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Data File : PD088232.D
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Acq On : 23 Apr 2025 08:59
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

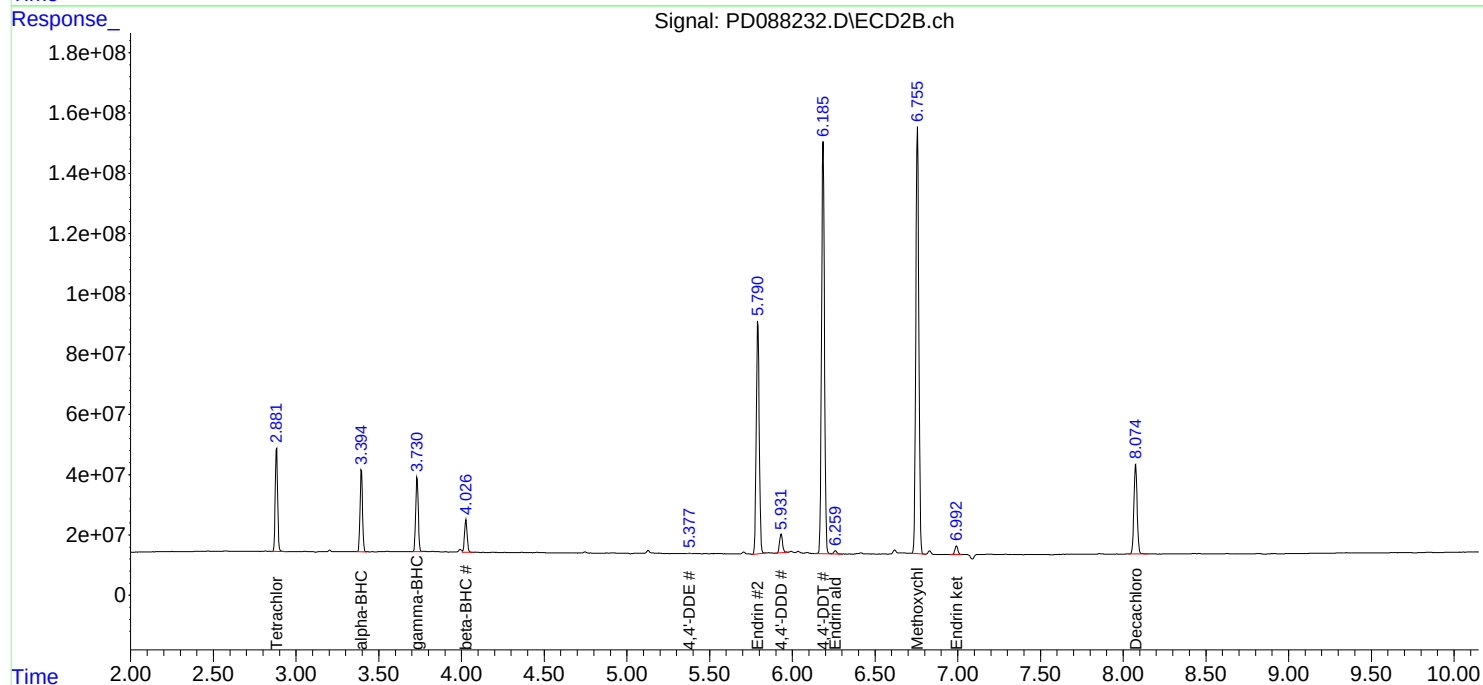
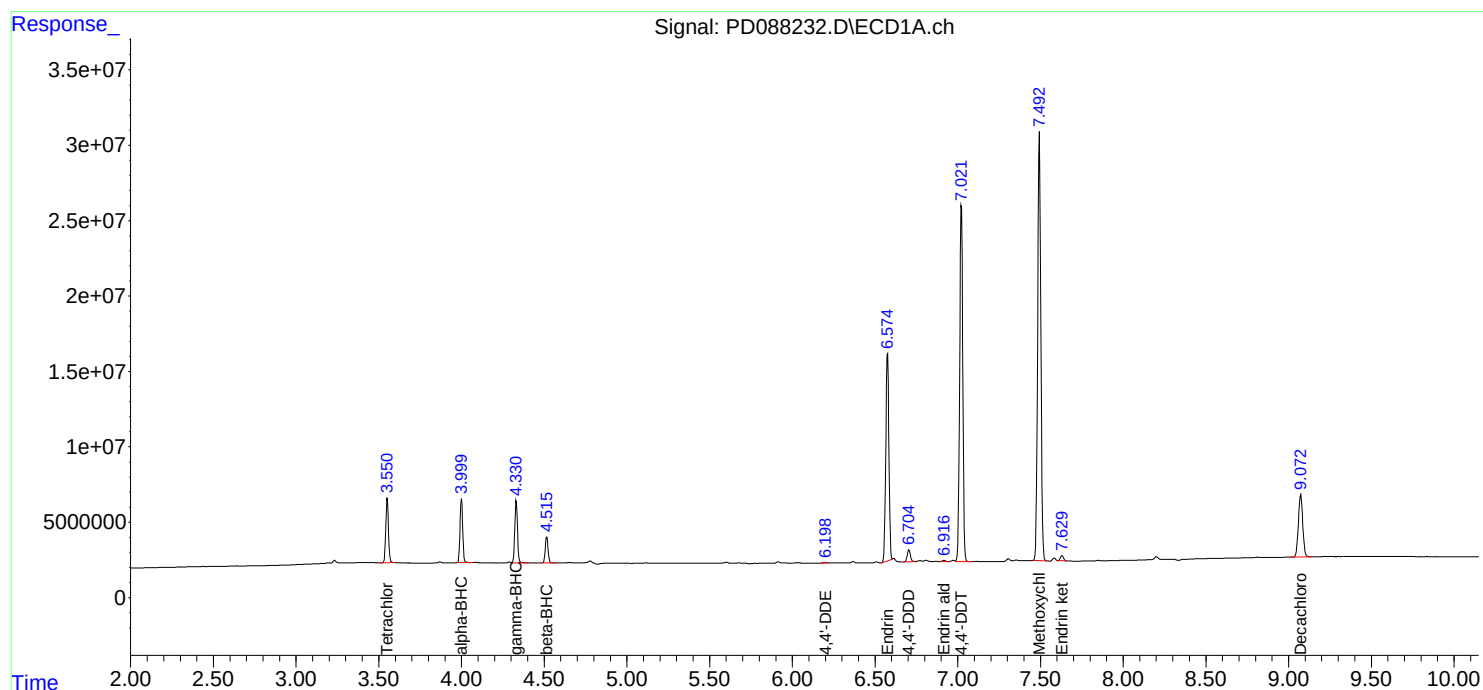
Instrument :
ECD_D
ClientSampleId :
PEM

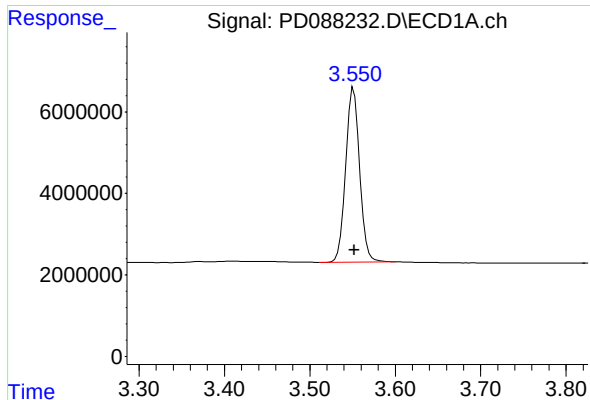
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Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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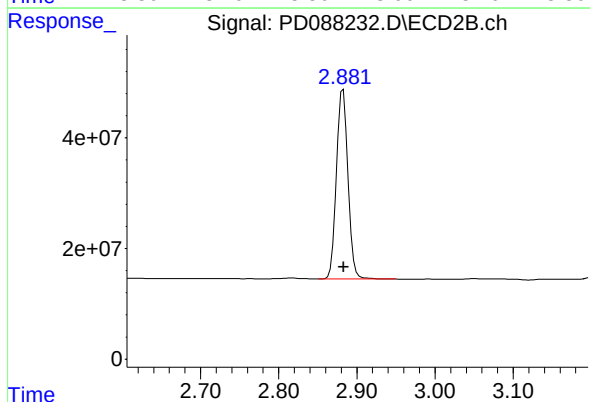
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 48640592
Conc: 24.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

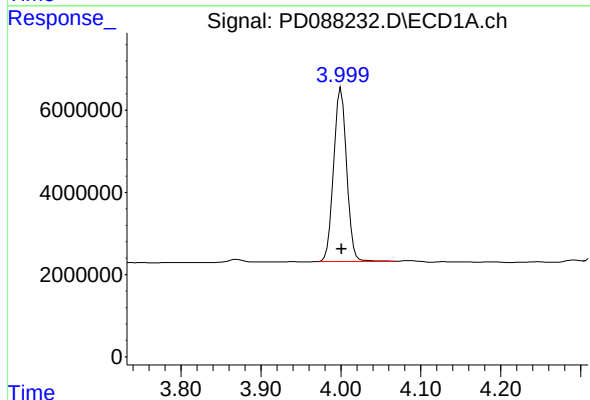
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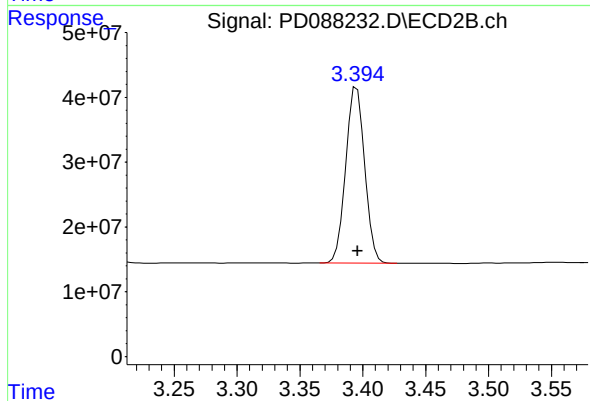
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 350357744
Conc: 23.96 ng/ml



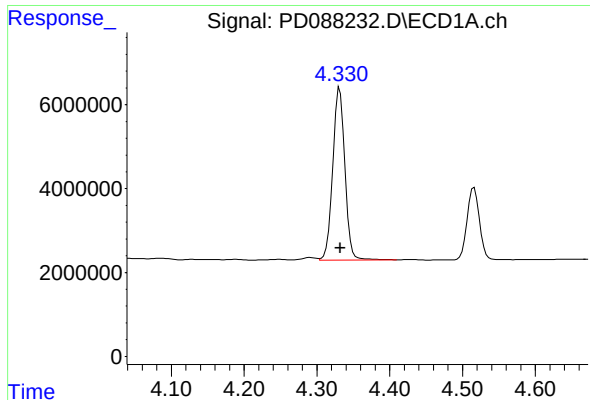
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 47712293
Conc: 11.07 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 283126568
Conc: 12.38 ng/ml



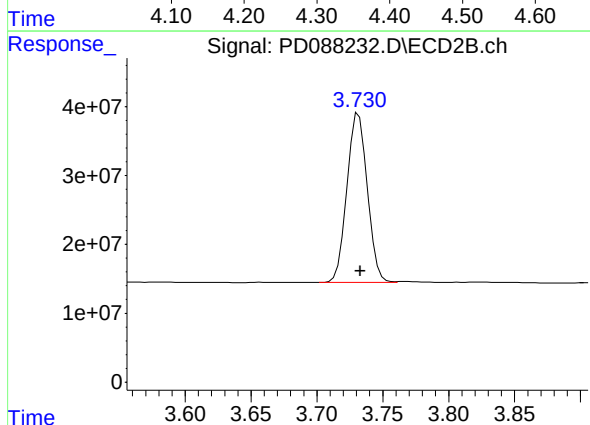
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 47770769
Conc: 11.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

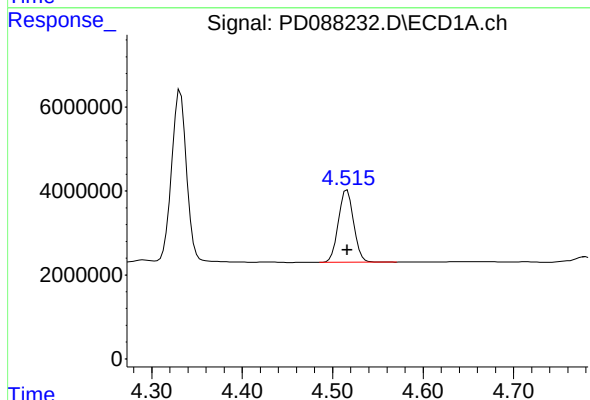
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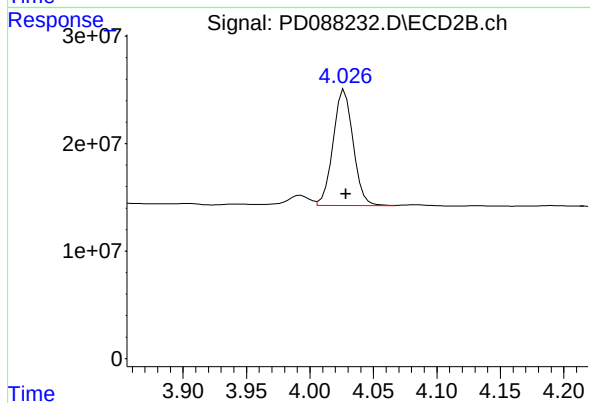
#3 gamma-BHC (Lindane)

R.T.: 3.732 min
Delta R.T.: -0.001 min
Response: 264616361
Conc: 12.29 ng/ml



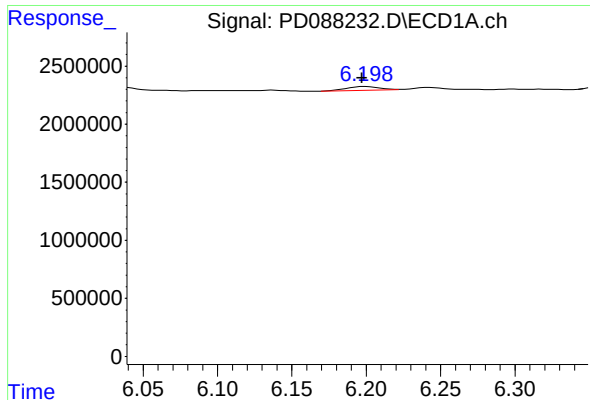
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 20268403
Conc: 12.49 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 118496929
Conc: 12.80 ng/ml



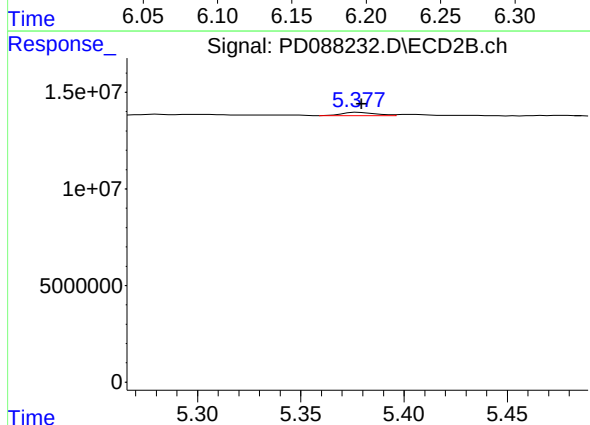
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 479096
Conc: 0.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

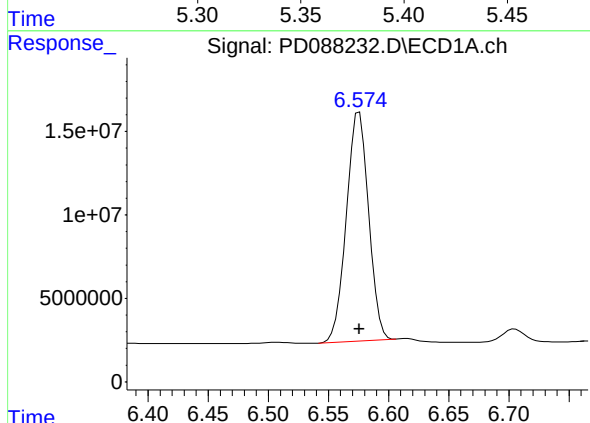
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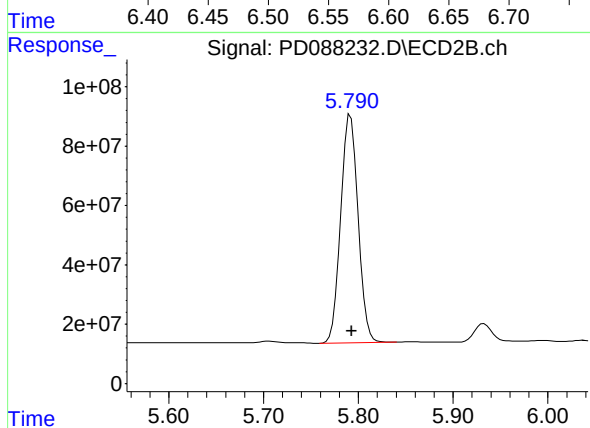
#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 2131669
Conc: 0.11 ng/ml



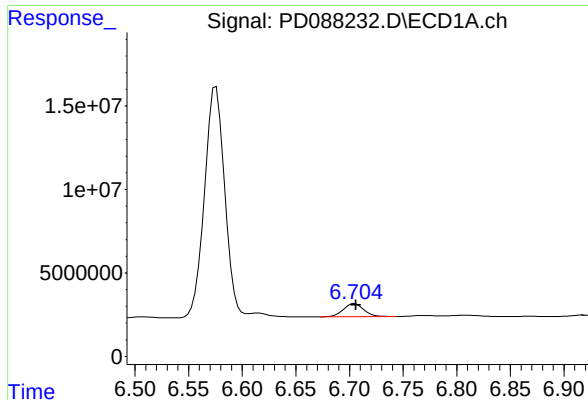
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 177064479
Conc: 59.37 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: -0.001 min
Response: 978154426
Conc: 53.74 ng/ml



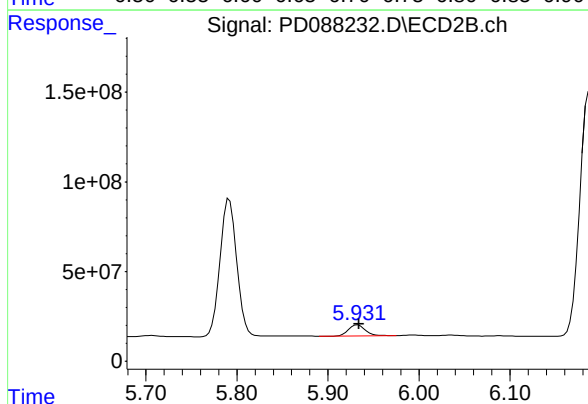
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 10353852
Conc: 4.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

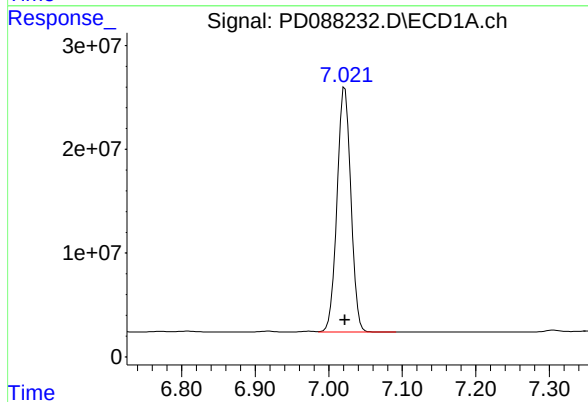
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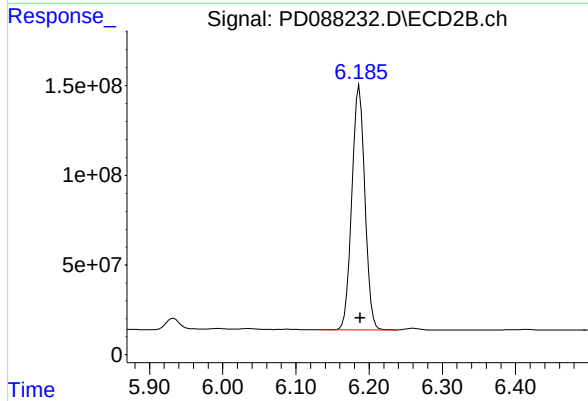
#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: -0.001 min
Response: 77436997
Conc: 4.73 ng/ml



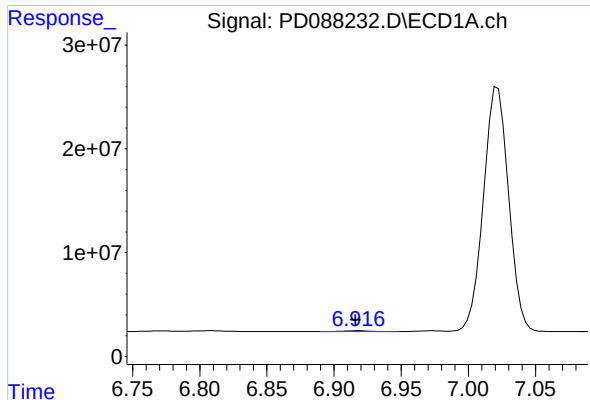
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 307920276
Conc: 110.86 ng/ml



#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: -0.001 min
Response: 1680109778
Conc: 98.73 ng/ml



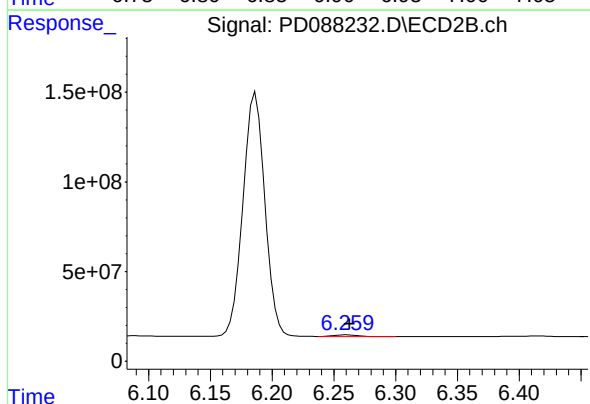
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.001 min
Response: 1245767
Conc: 0.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

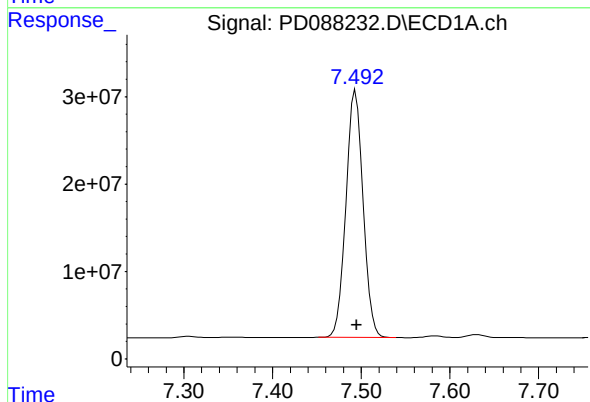
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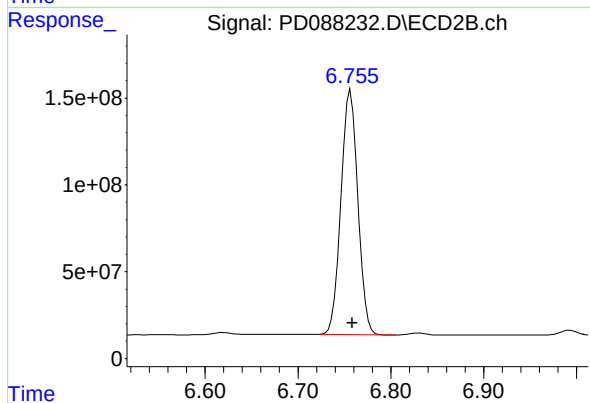
#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 13145903
Conc: 0.99 ng/ml



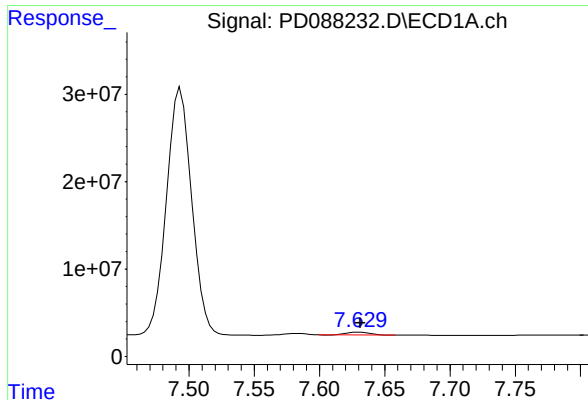
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: -0.001 min
Response: 380455578
Conc: 253.71 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.002 min
Response: 1785167114
Conc: 195.72 ng/ml



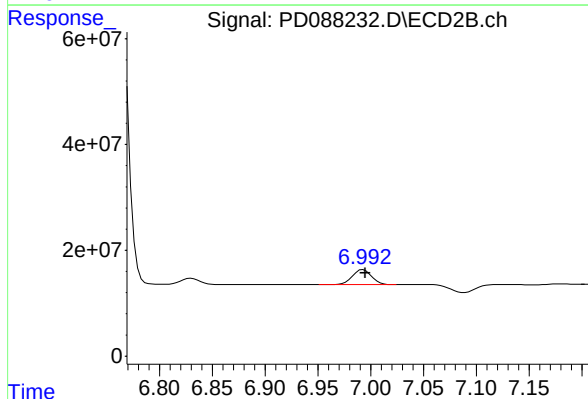
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 4036645
Conc: 1.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

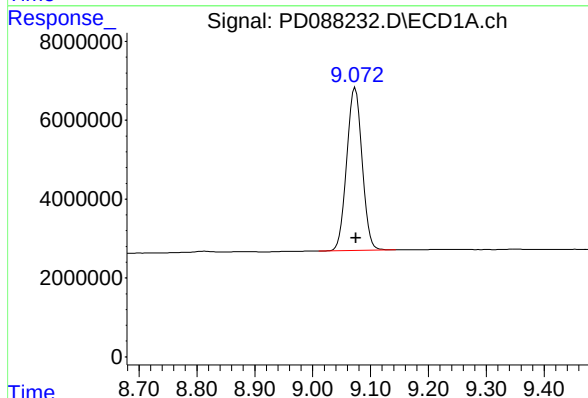
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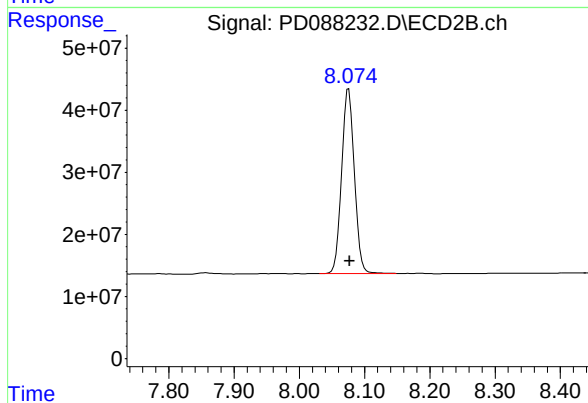
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 36220587
Conc: 1.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 75303845
Conc: 22.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: -0.001 min
Response: 404129588
Conc: 21.87 ng/ml