

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092625\
 Data File : PD090406.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Sep 2025 11:02
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/29/2025
 Supervised By :mohammad ahmed 09/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 26 12:05:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.553	2.875	55911981	501.7E6	17.201	18.276
28)	SA Decachlor...	9.077	8.066	81759374	575.1E6	16.945	17.742
Target Compounds							
2)	A alpha-BHC	4.002	3.387	55811365	408.2E6	7.991	9.324
3)	MA gamma-BHC...	4.334	3.724	53386533	381.1E6	8.068	9.355
6)	B beta-BHC	4.521	4.019	23023032	162.3E6	8.924	9.360m
12)	B 4,4'-DDE	6.200	5.370	621933	4008463	0.119	0.105
14)	MA Endrin	6.577	5.783	197.4E6	1488.4E6	40.345	41.537
16)	A 4,4'-DDD	6.709	5.924	27640229	238.3E6	6.745	7.350
17)	MA 4,4'-DDT	7.025	6.177	316.9E6	2478.4E6	71.173	72.089
18)	B Endrin al...	6.919	6.252	1743648	21203759	0.508m	0.900 #
20)	A Methoxychlor	7.498	6.748	390.0E6	2646.8E6	165.512	152.111
21)	B Endrin ke...	7.634	6.986	10220922	79919615	2.066	2.214

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

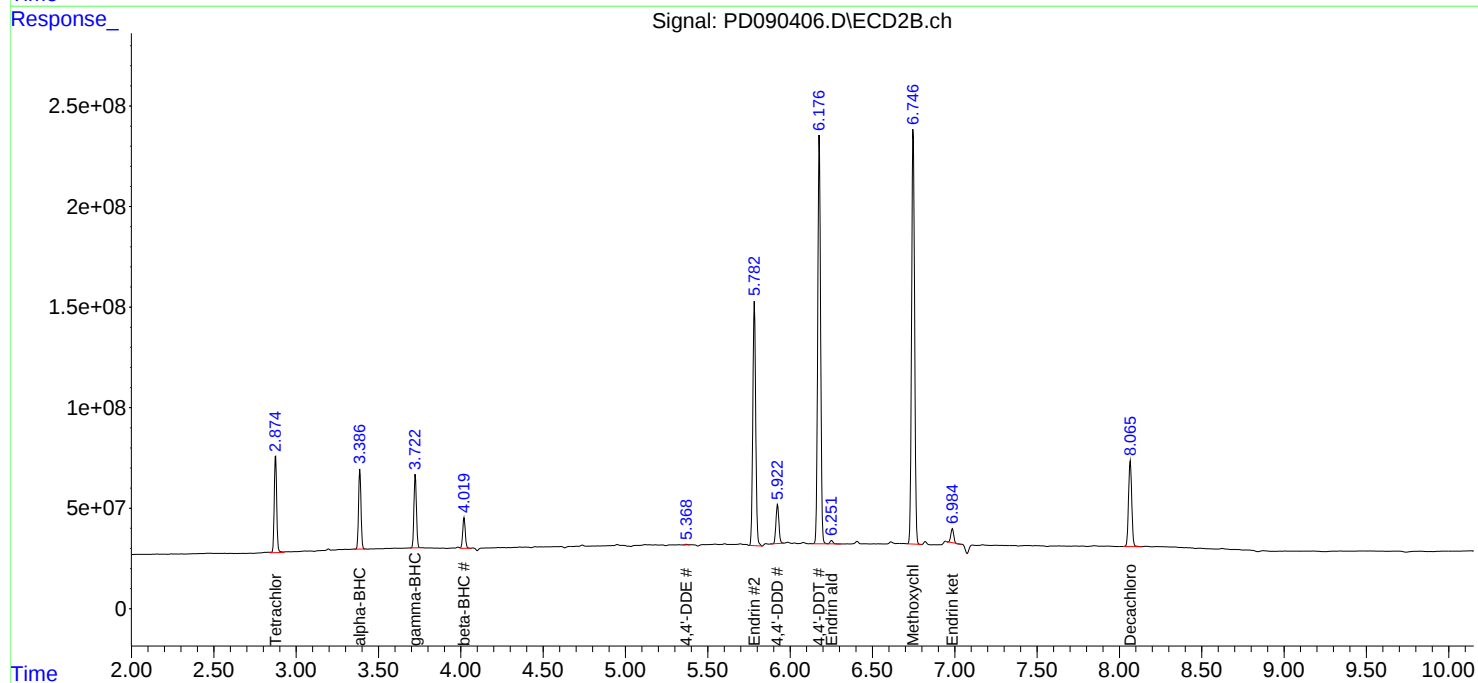
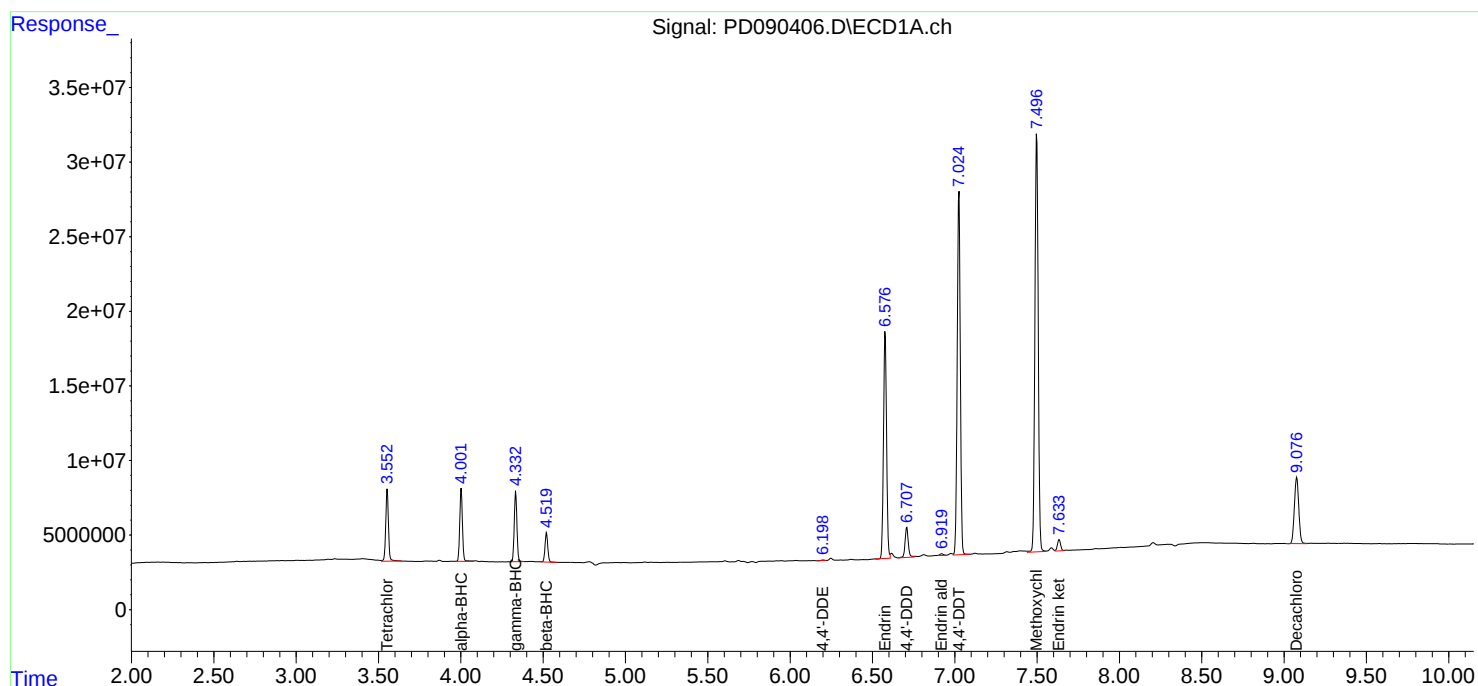
Instrument :
ECD_D
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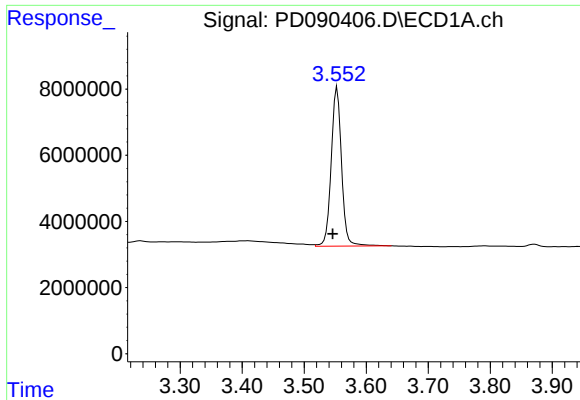
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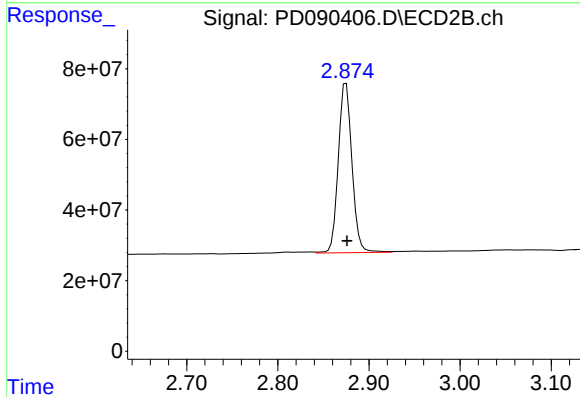
#1 Tetrachloro-m-xylene

R.T.: 3.553 min
Delta R.T.: 0.007 min
Response: 55911981
Conc: 17.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

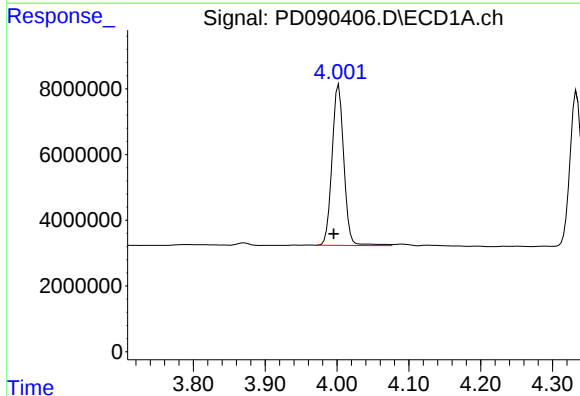
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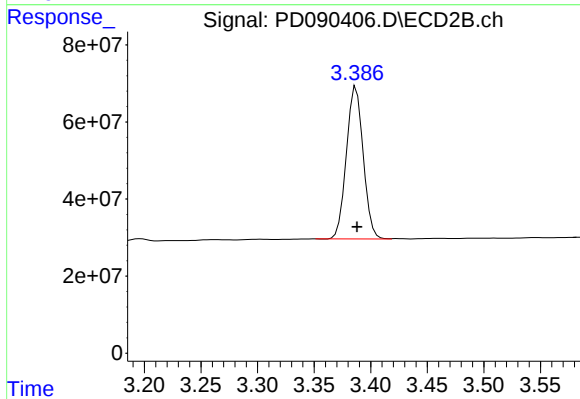
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 501675940
Conc: 18.28 ng/ml



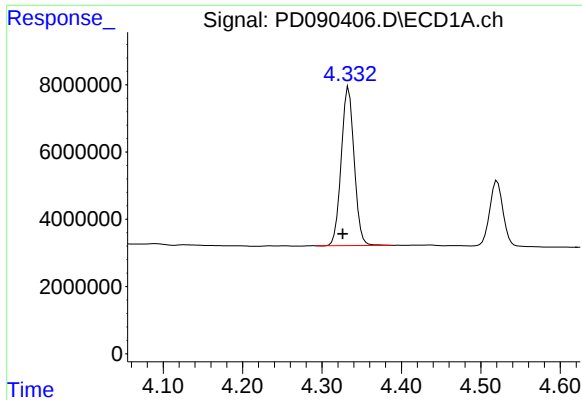
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.007 min
Response: 55811365
Conc: 7.99 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 408233957
Conc: 9.32 ng/ml



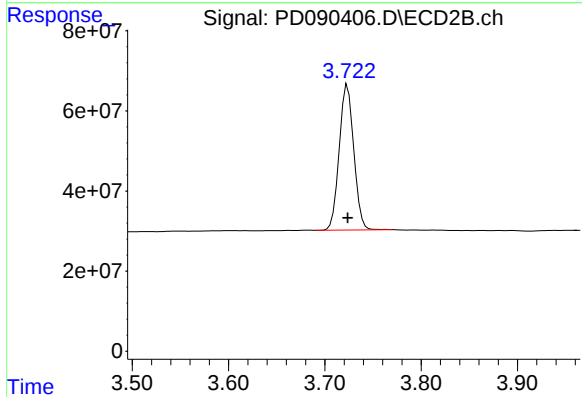
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.008 min
Response: 53386533
Conc: 8.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

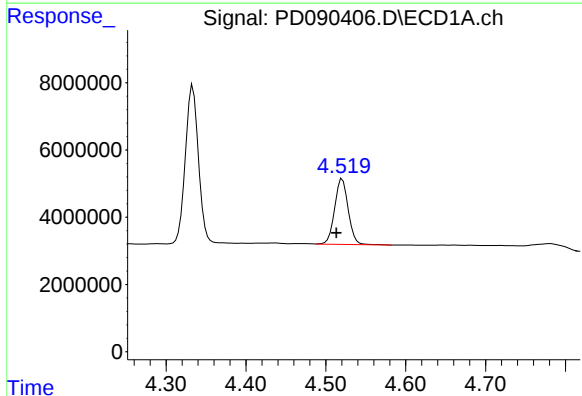
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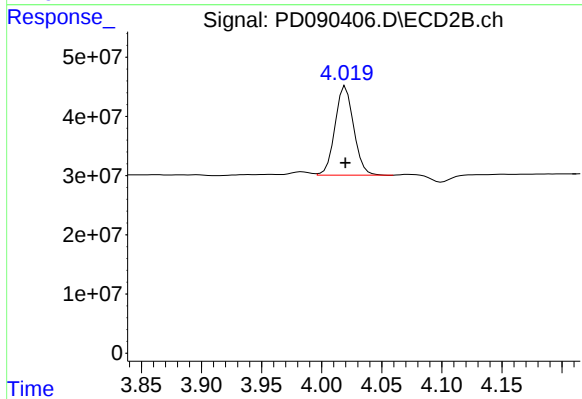
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 381092141
Conc: 9.36 ng/ml



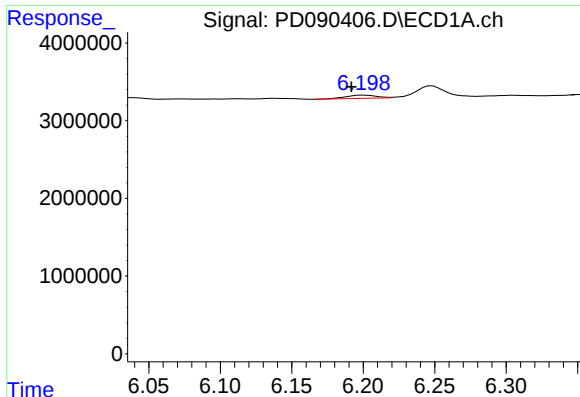
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 23023032
Conc: 8.92 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 162265327
Conc: 9.36 ng/ml m



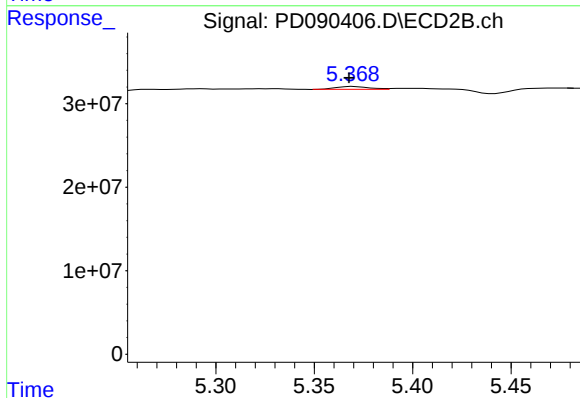
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.008 min
Response: 621933
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#12 4,4'-DDE

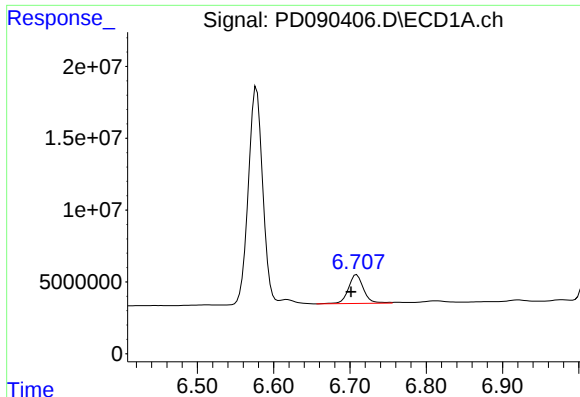
R.T.: 5.370 min
Delta R.T.: 0.002 min
Response: 4008463
Conc: 0.10 ng/ml

#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.008 min
Response: 197447255
Conc: 40.35 ng/ml

#14 Endrin

R.T.: 5.783 min
Delta R.T.: 0.001 min
Response: 1488373862
Conc: 41.54 ng/ml



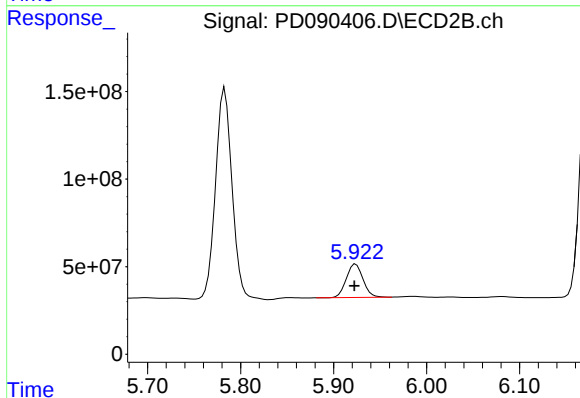
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.008 min
Response: 27640229
Conc: 6.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

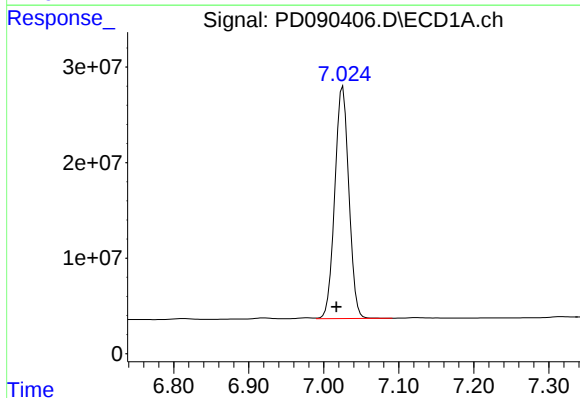
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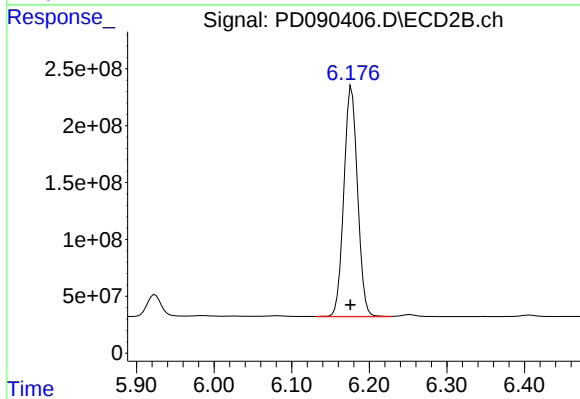
#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.002 min
Response: 238330279
Conc: 7.35 ng/ml



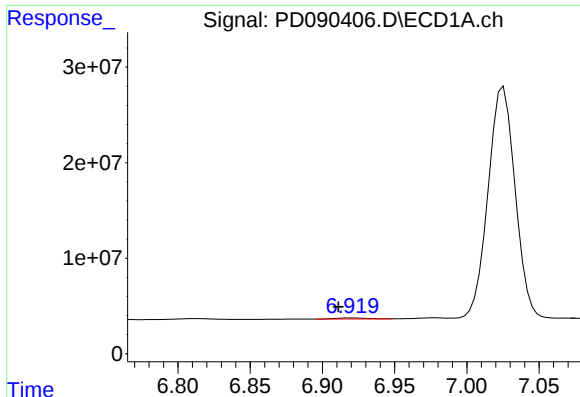
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.009 min
Response: 316895061
Conc: 71.17 ng/ml



#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.002 min
Response: 2478361798
Conc: 72.09 ng/ml



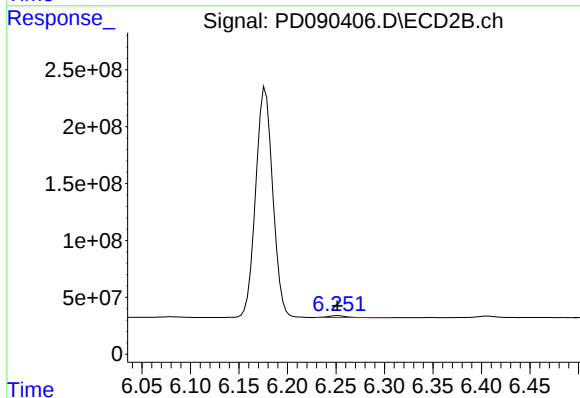
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.008 min
Response: 1743648
Conc: 0.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

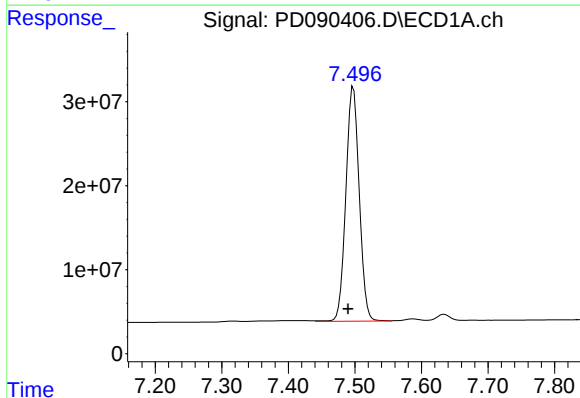
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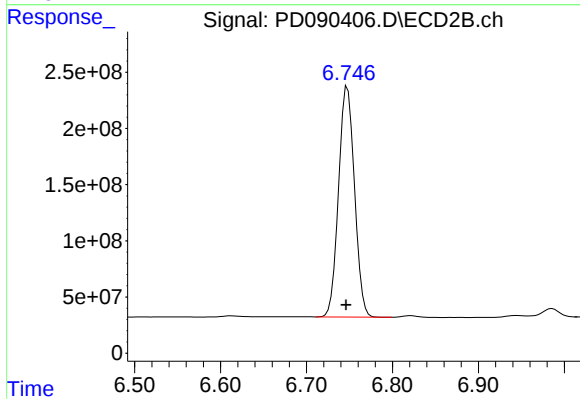
#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 21203759
Conc: 0.90 ng/ml



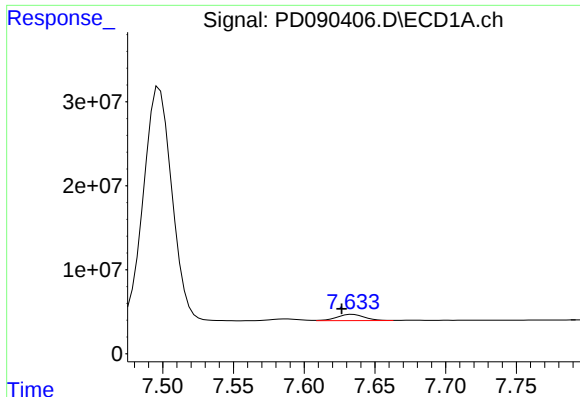
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.008 min
Response: 390029555
Conc: 165.51 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.002 min
Response: 2646786257
Conc: 152.11 ng/ml



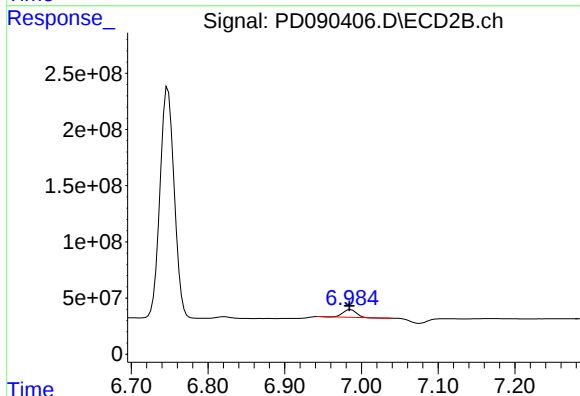
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 10220922
Conc: 2.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

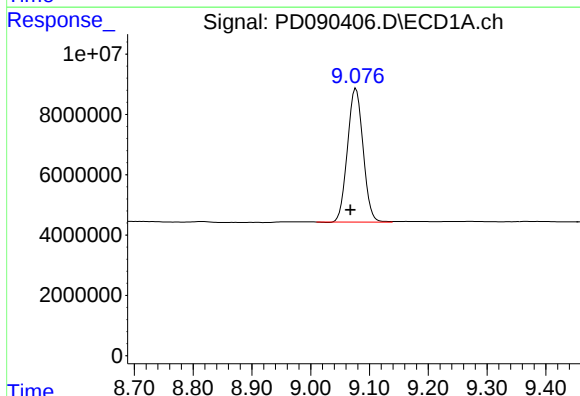
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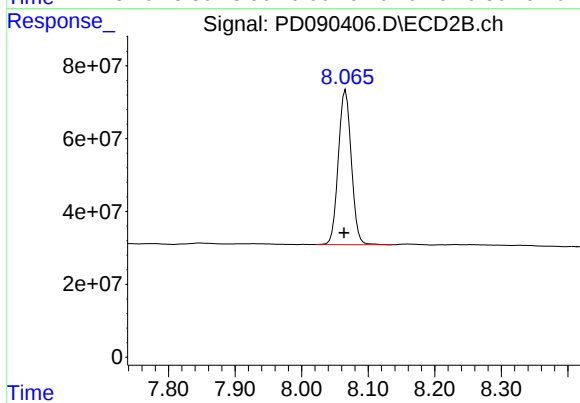
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.001 min
Response: 79919615
Conc: 2.21 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.009 min
Response: 81759374
Conc: 16.94 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.002 min
Response: 575105932
Conc: 17.74 ng/ml