

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081425\
 Data File : PD089879.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Aug 2025 10:13
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/14/2025
 Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 23:49:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.550	2.877	45150768	365.8E6	18.305	23.098 #
28)	SA Decachlor...	9.070	8.067	66602481	426.7E6	17.922	21.254
Target Compounds							
2)	A alpha-BHC	3.999	3.389	43042804	309.0E6	8.689	12.715 #
3)	MA gamma-BHC...	4.330	3.726	42832979	280.9E6	9.013	12.470 #
6)	B beta-BHC	4.517	4.022	18864911	119.0E6	10.227	12.329
12)	B 4,4'-DDE	6.195	5.370	536876	4024069	0.144	0.190m#
14)	MA Endrin	6.572	5.785	144.5E6	1042.7E6	40.389m	52.333 #
16)	A 4,4'-DDD	6.704	5.925	19473095	161.5E6	6.502m	9.160 #
17)	MA 4,4'-DDT	7.021	6.179	242.3E6	1746.6E6	72.111	95.065 #
18)	B Endrin al...	6.915	6.254	3167379	27839005	1.269	2.155 #
20)	A Methoxychlor	7.493	6.750	301.3E6	1900.3E6	168.505	193.995
21)	B Endrin ke...	7.629	6.987	10624133	96986861	2.860	4.833 #

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

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Data File : PD089879.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 10:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

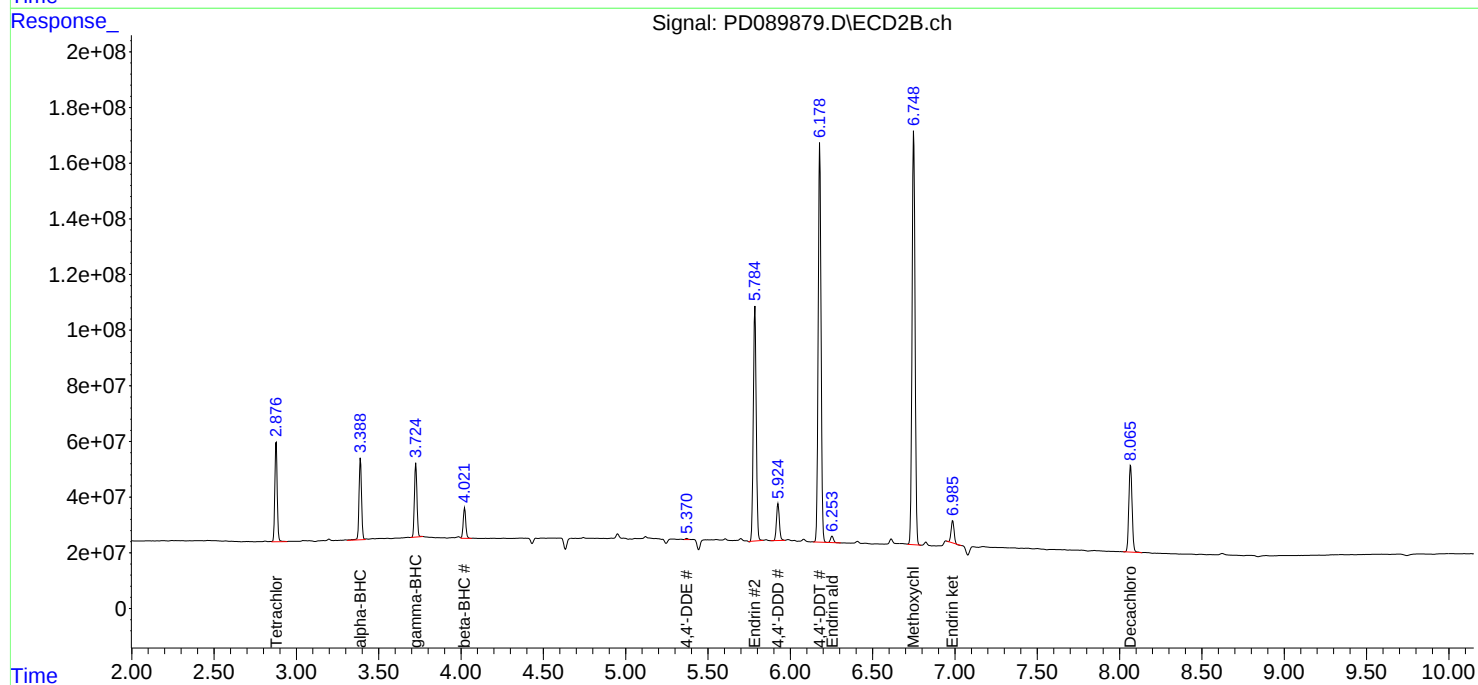
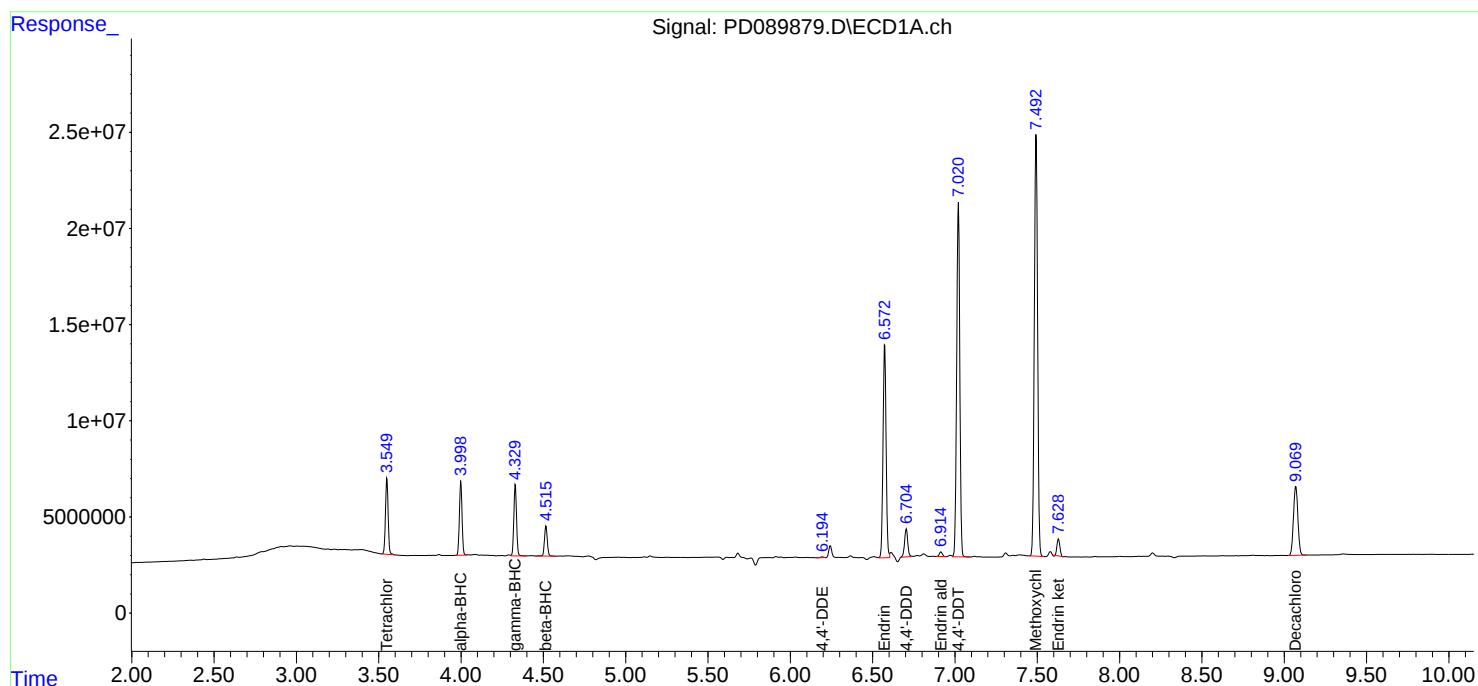
Instrument :
ECD_D
ClientSampleId :
PEM

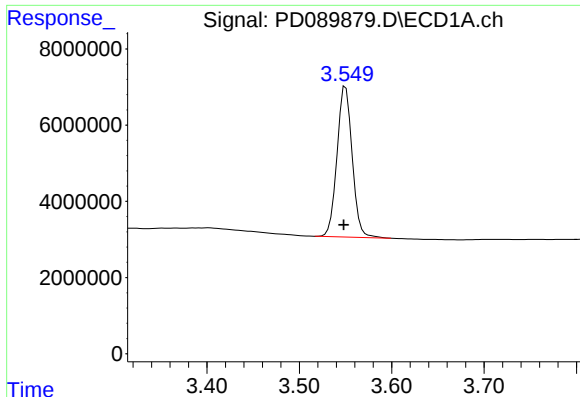
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 23:49:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response 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





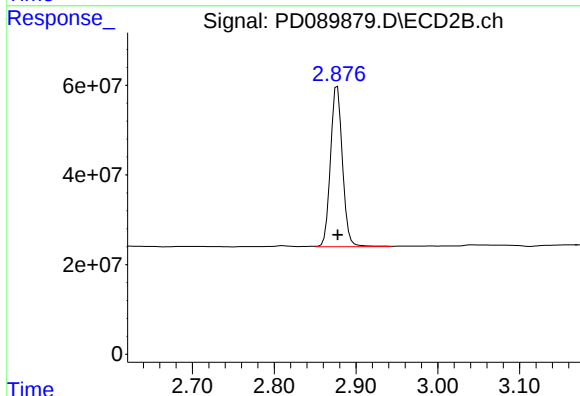
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.002 min
Response: 45150768
Conc: 18.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

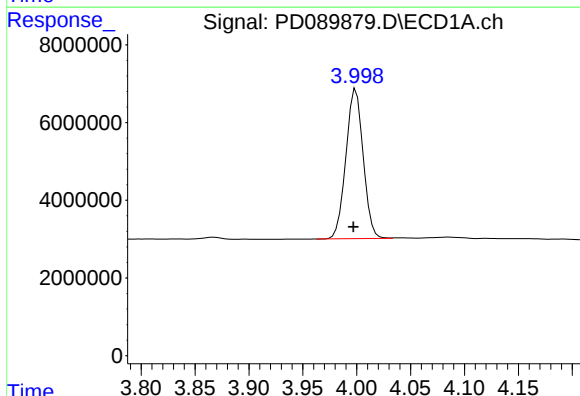
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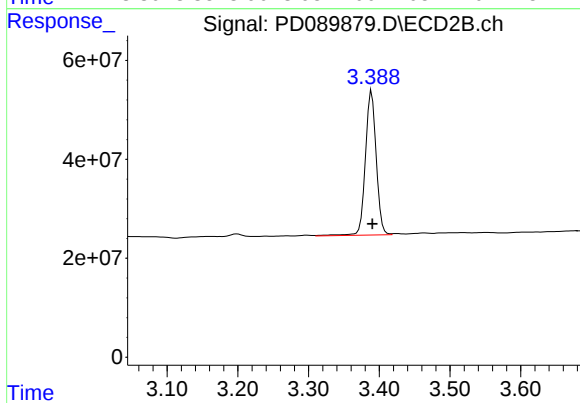
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 365818369
Conc: 23.10 ng/ml



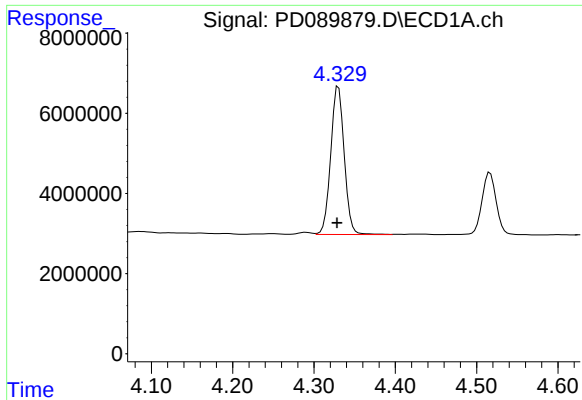
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 43042804
Conc: 8.69 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 309043054
Conc: 12.72 ng/ml



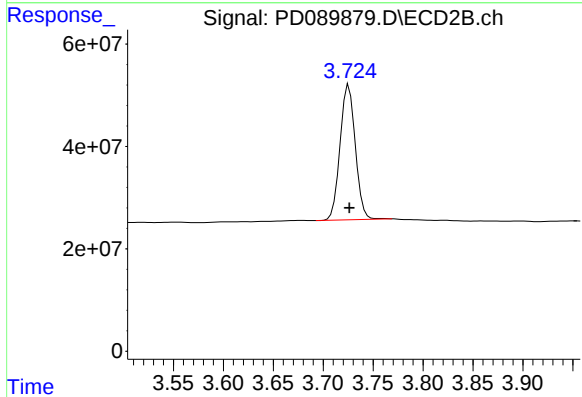
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 42832979
Conc: 9.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

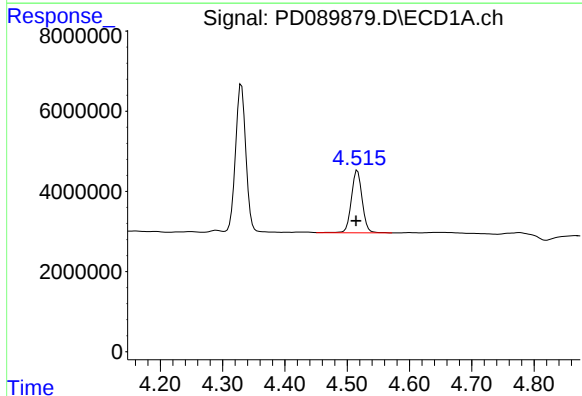
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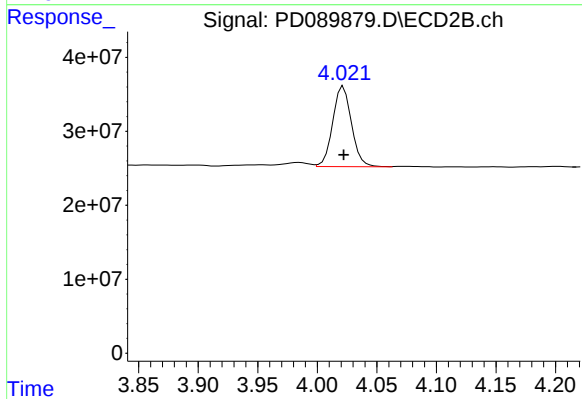
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 280871984
Conc: 12.47 ng/ml



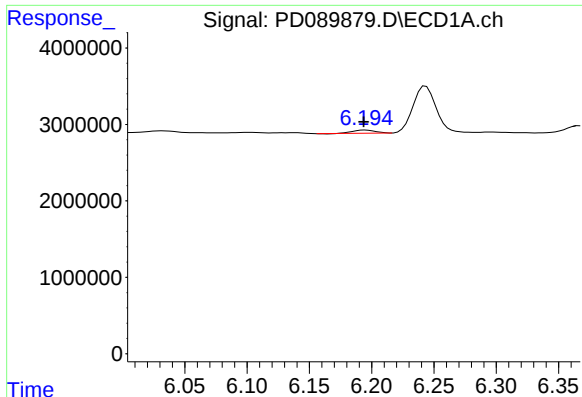
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 18864911
Conc: 10.23 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 118959940
Conc: 12.33 ng/ml



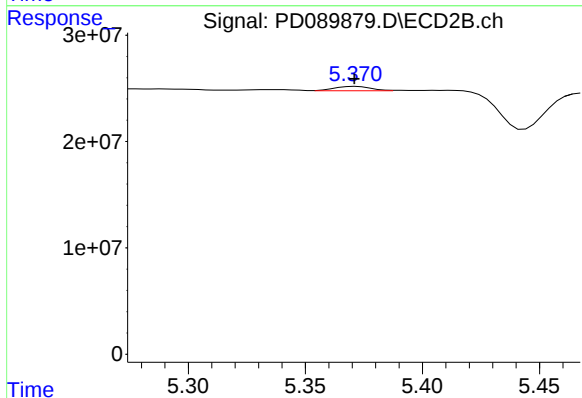
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.001 min
Response: 536876
Conc: 0.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

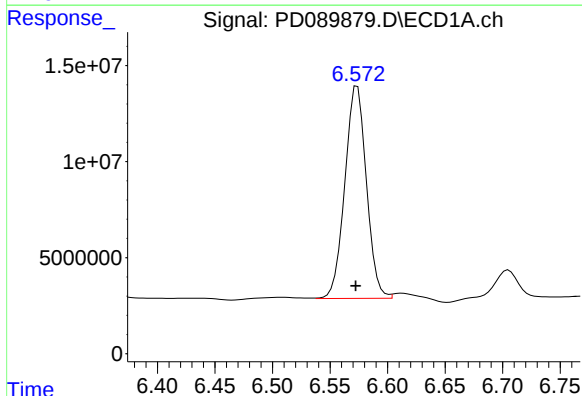
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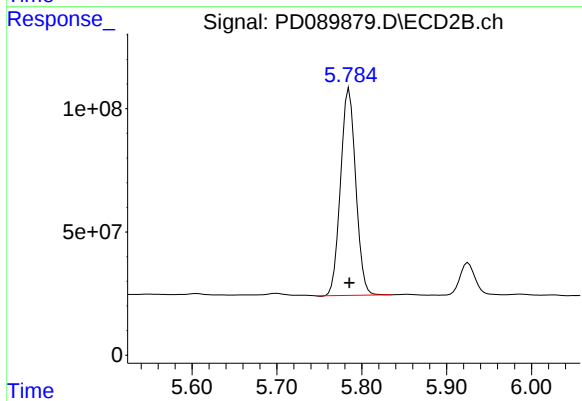
#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 4024069
Conc: 0.19 ng/ml m



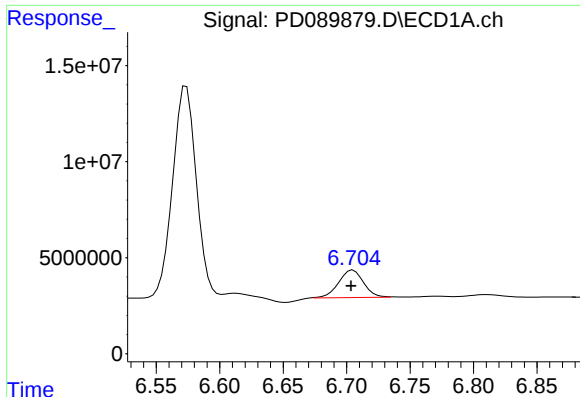
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 144500678
Conc: 40.39 ng/ml m



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1042749867
Conc: 52.33 ng/ml



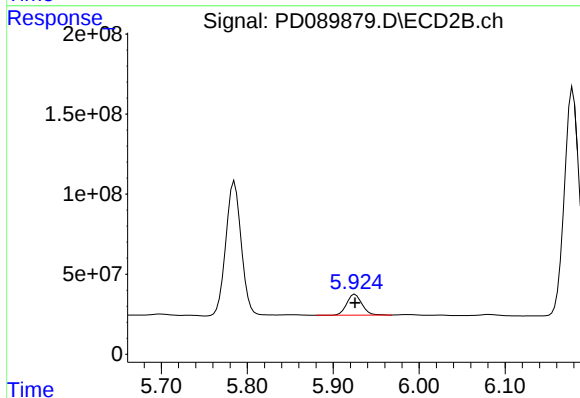
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 19473095
Conc: 6.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

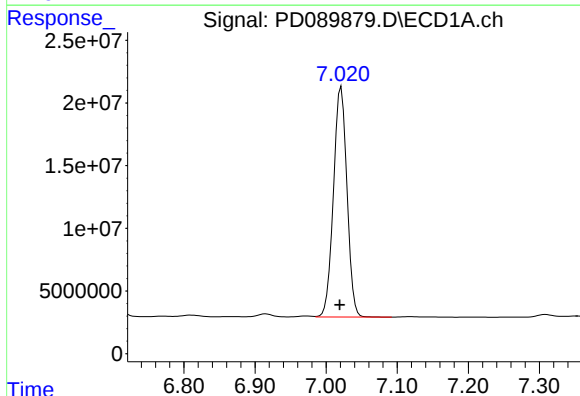
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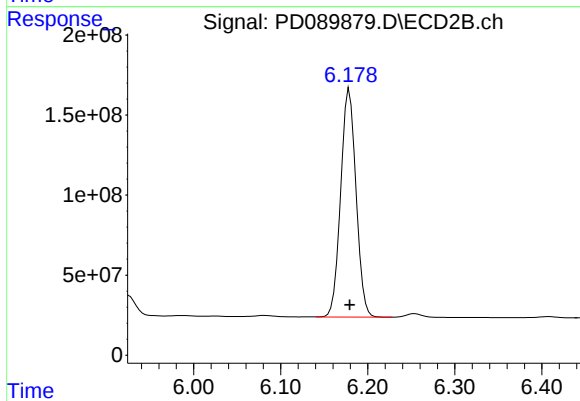
#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 161515314
Conc: 9.16 ng/ml



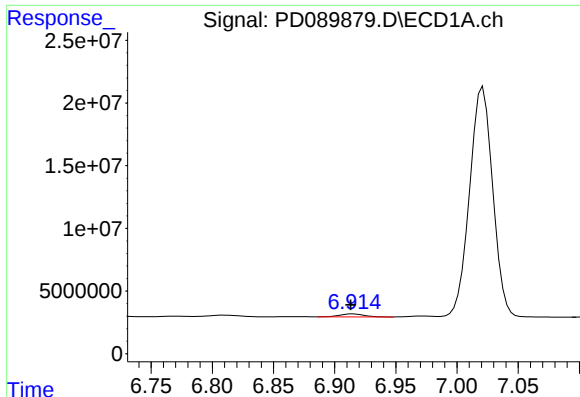
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.002 min
Response: 242312028
Conc: 72.11 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1746596729
Conc: 95.06 ng/ml



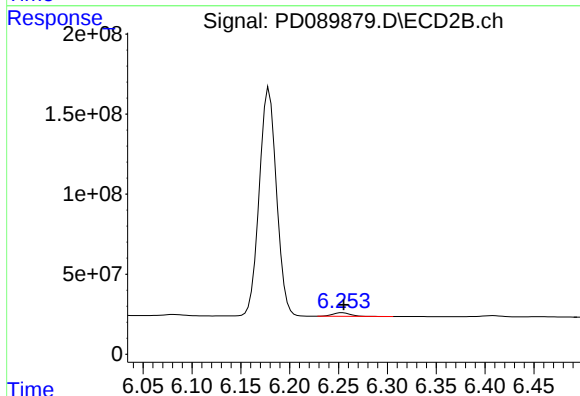
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 3167379
Conc: 1.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

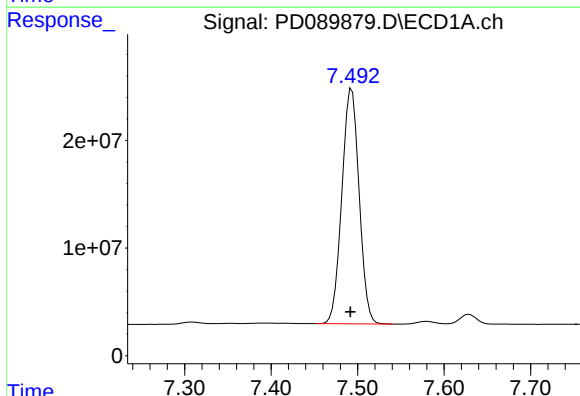
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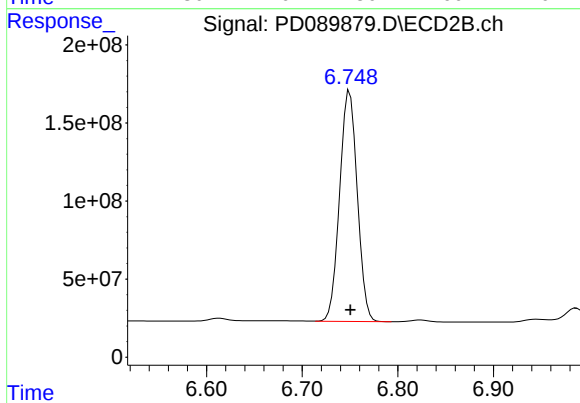
#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 27839005
Conc: 2.15 ng/ml



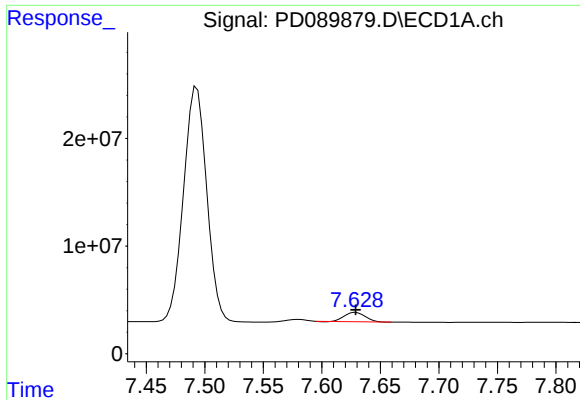
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.001 min
Response: 301283370
Conc: 168.51 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 1900278021
Conc: 193.99 ng/ml



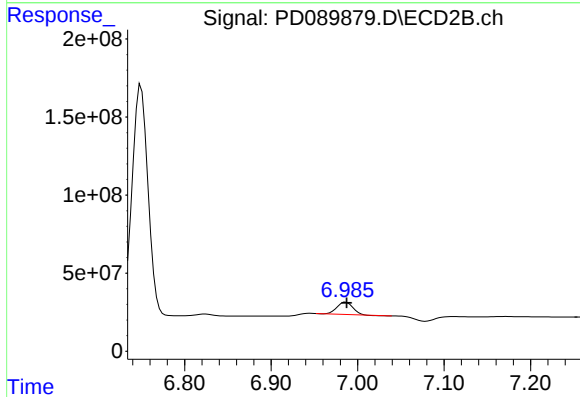
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 10624133
Conc: 2.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

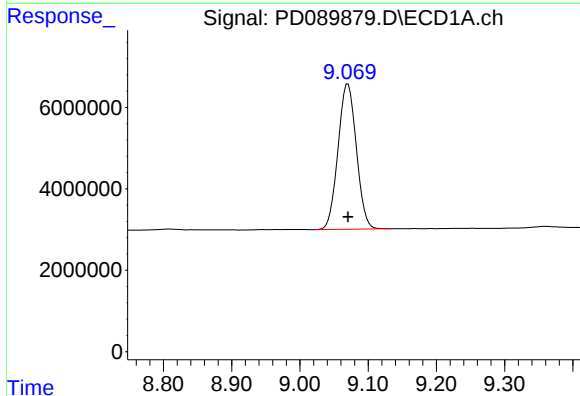
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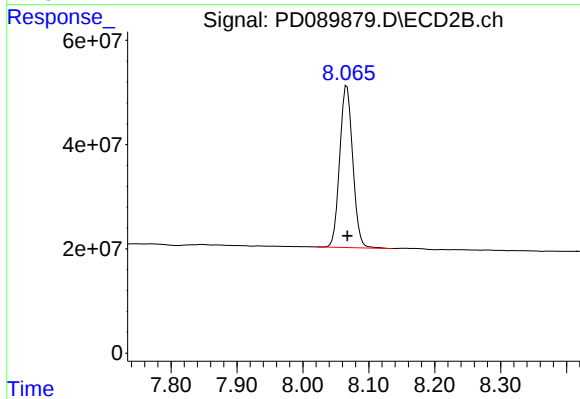
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: -0.001 min
Response: 96986861
Conc: 4.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 66602481
Conc: 17.92 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 426741042
Conc: 21.25 ng/ml