

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD073125\
 Data File : PD089686.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Jul 2025 10:47
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/01/2025
 Supervised By :mohammad ahmed 08/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 01 07:05:25 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...	3.548	2.878	50972762	348.2E6	20.665	21.988
28)	SA Decachlor...	9.070	8.068	80035568	443.4E6	21.537	22.084
Target Compounds							
2)	A alpha-BHC	3.997	3.390	48629241	283.5E6	9.817	11.664
3)	MA gamma-BHC...	4.328	3.726	47886972	263.6E6	10.076	11.702
6)	B beta-BHC	4.514	4.022	19846516	114.3E6	10.759	11.842
12)	B 4,4'-DDE	6.196	5.371	669534	2329970	0.180m	0.110m#
14)	MA Endrin	6.572	5.785	195.8E6	1085.2E6	54.728	54.466
16)	A 4,4'-DDD	6.703	5.926	2381274	16219265	0.795	0.920m
17)	MA 4,4'-DDT	7.020	6.179	364.8E6	1984.7E6	108.555	108.023
18)	B Endrin al...	6.915	6.253	642296	9551952	0.257	0.739 #
20)	A Methoxychlor	7.491	6.750	463.0E6	2323.4E6	258.926	237.192
21)	B Endrin ke...	7.627	6.985	2513788	17437838	0.677m	0.869m#

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

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Acq On : 31 Jul 2025 10:47
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

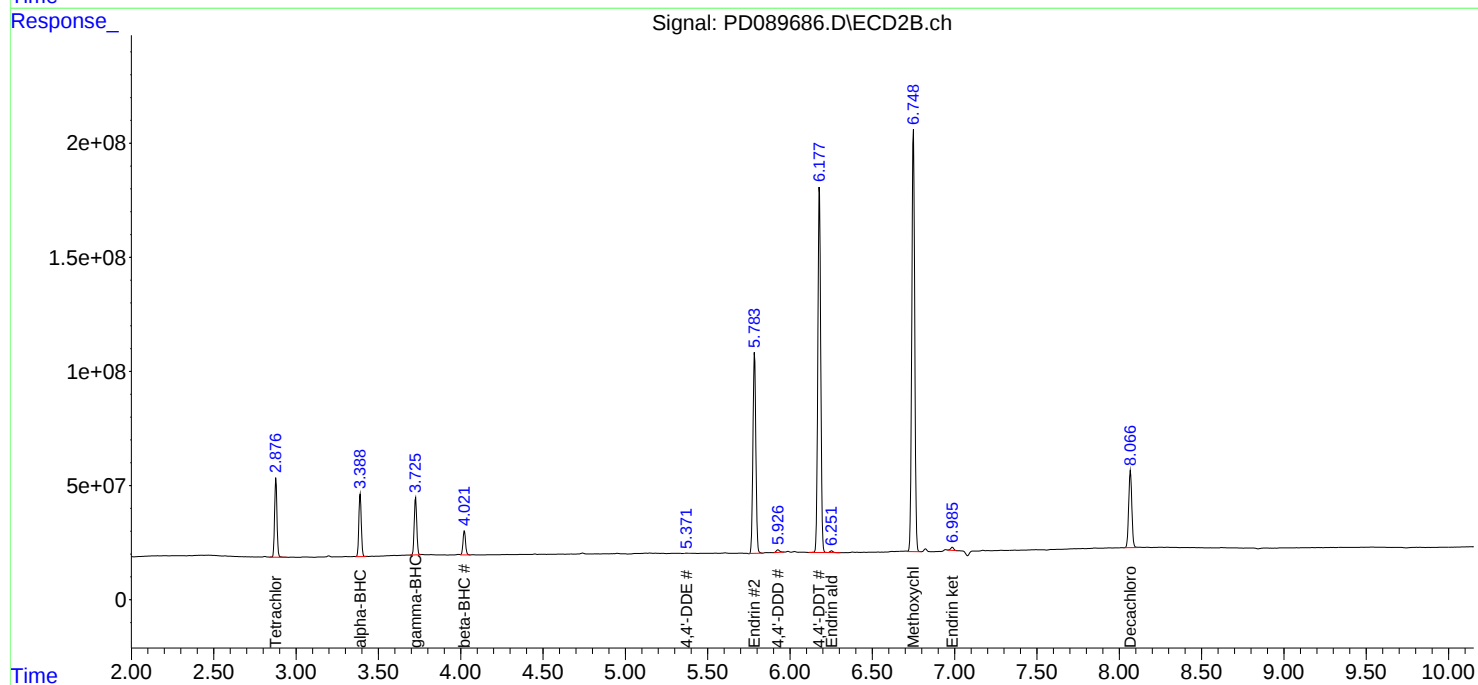
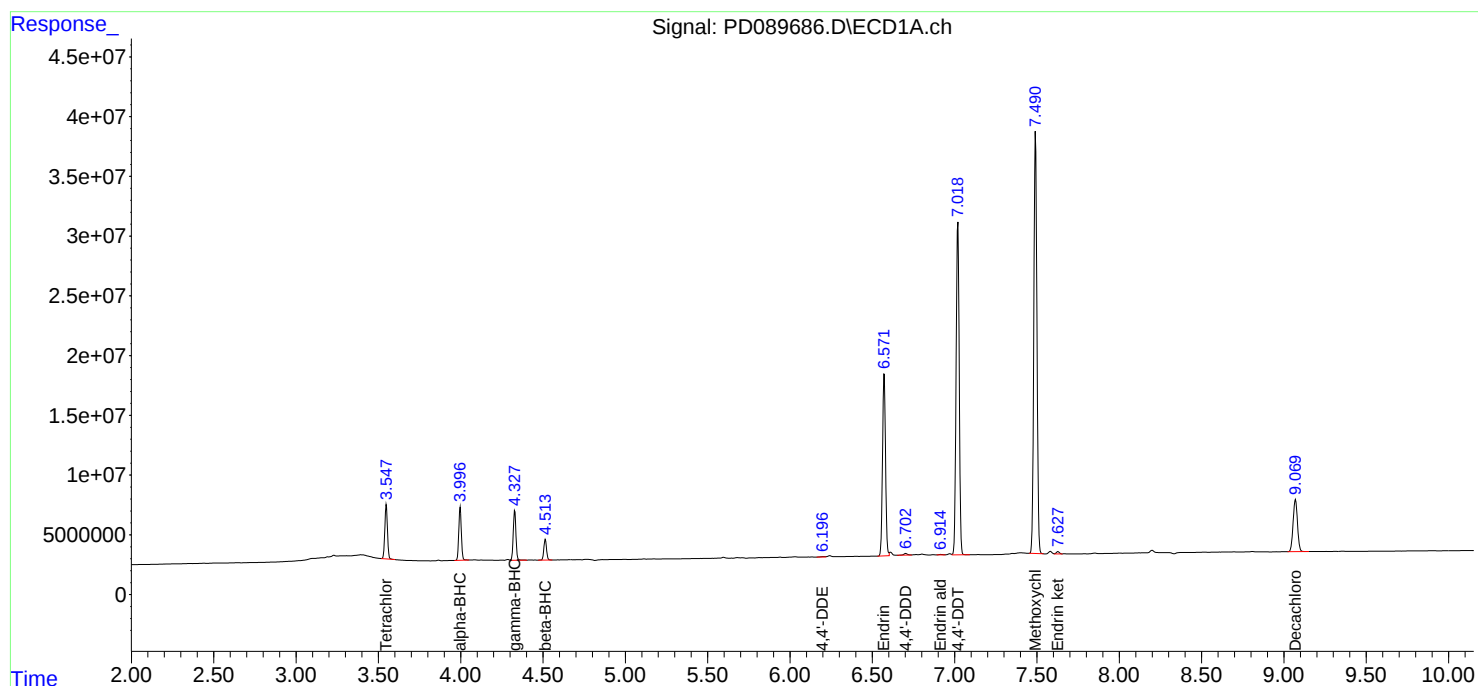
Instrument :
ECD_D
ClientSampleId :
PEM

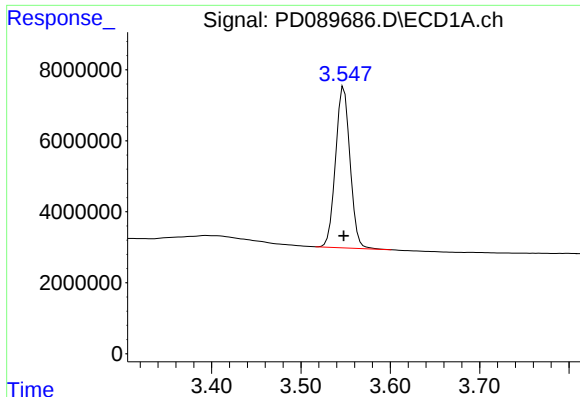
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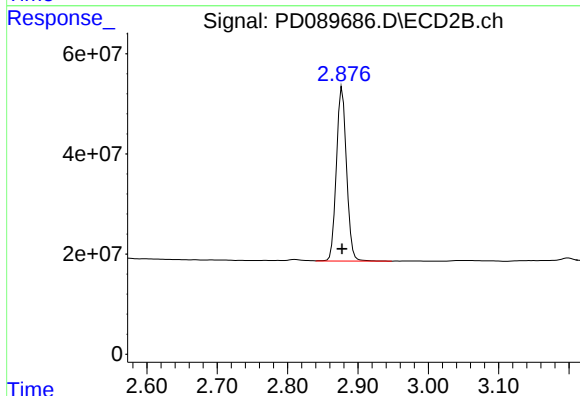
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 50972762
Conc: 20.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

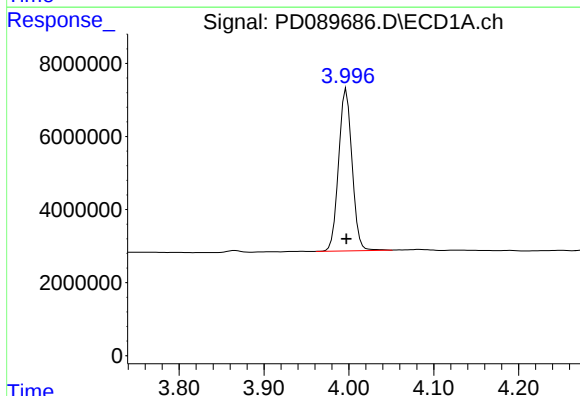
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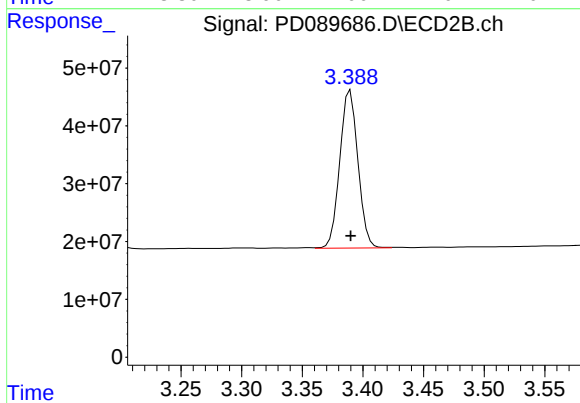
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 348246363
Conc: 21.99 ng/ml



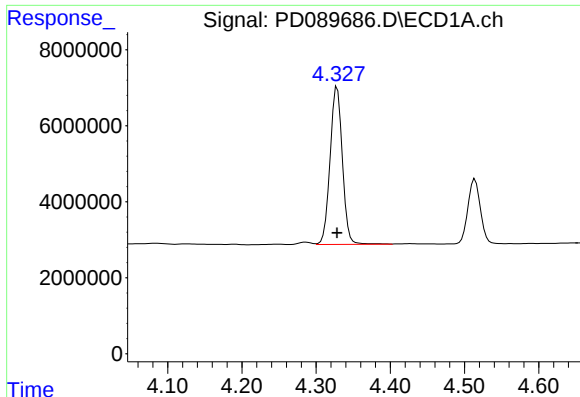
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 48629241
Conc: 9.82 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 283494256
Conc: 11.66 ng/ml



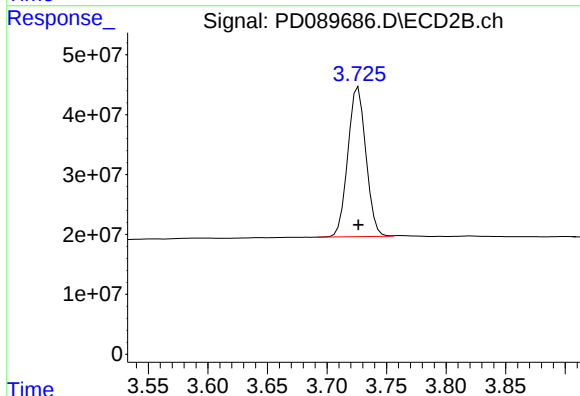
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 47886972
Conc: 10.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

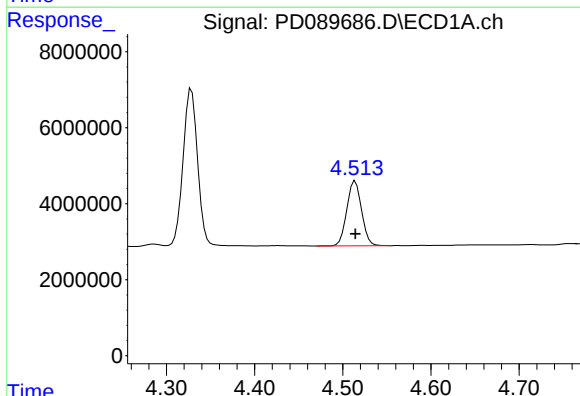
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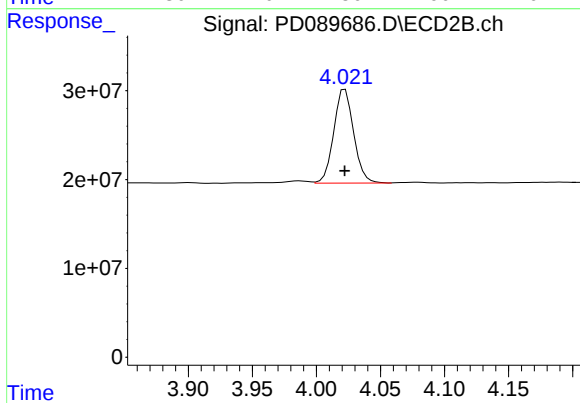
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 263580713
Conc: 11.70 ng/ml



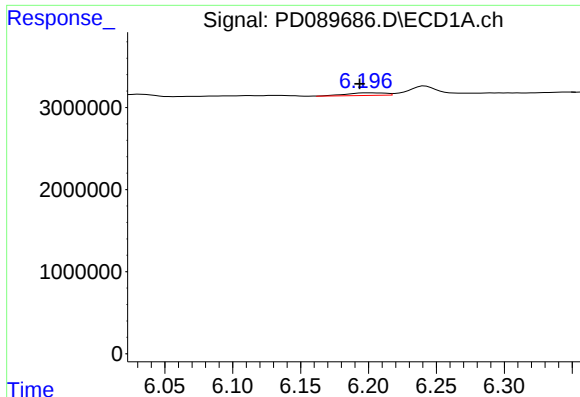
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 19846516
Conc: 10.76 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 114263731
Conc: 11.84 ng/ml



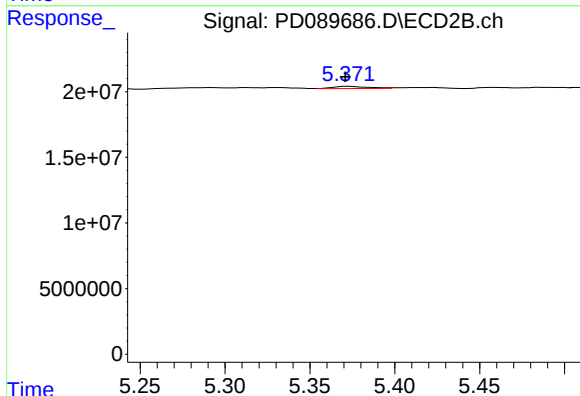
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.002 min
Response: 669534
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

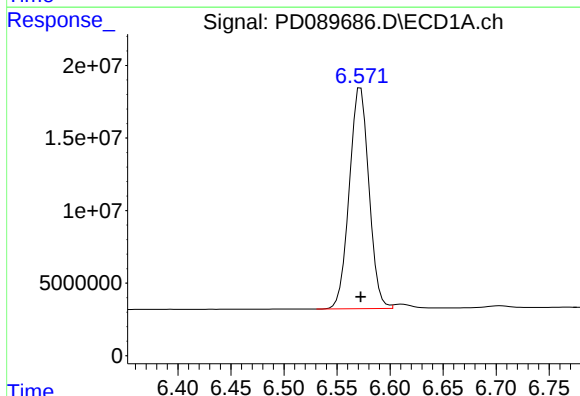
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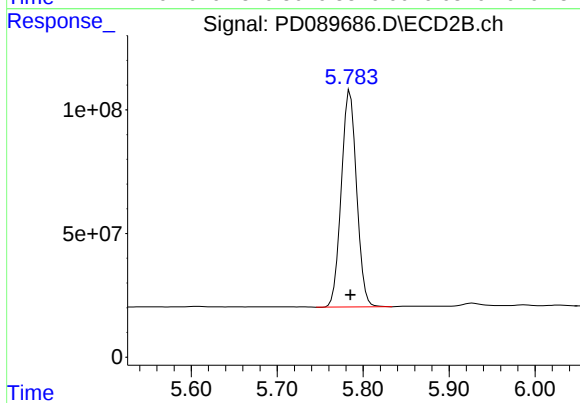
#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 2329970
Conc: 0.11 ng/ml m



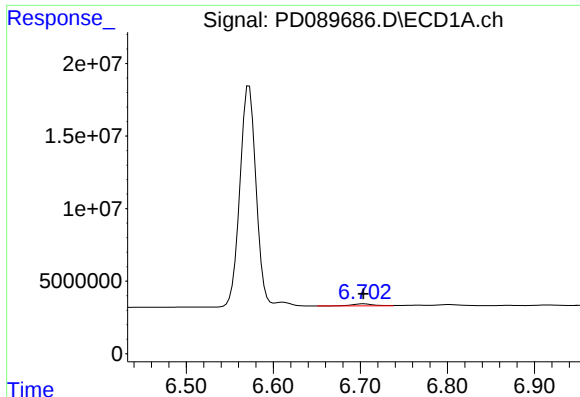
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 195800927
Conc: 54.73 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1085241845
Conc: 54.47 ng/ml



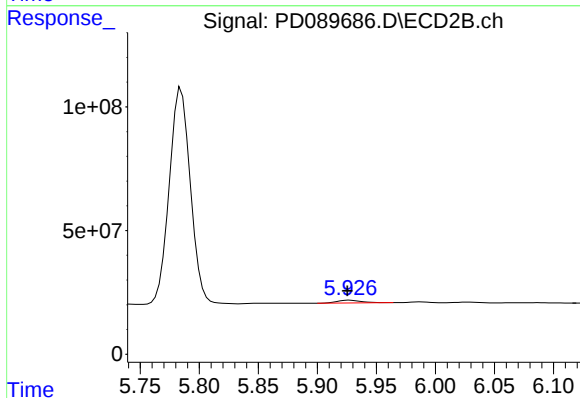
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.000 min
Response: 2381274
Conc: 0.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

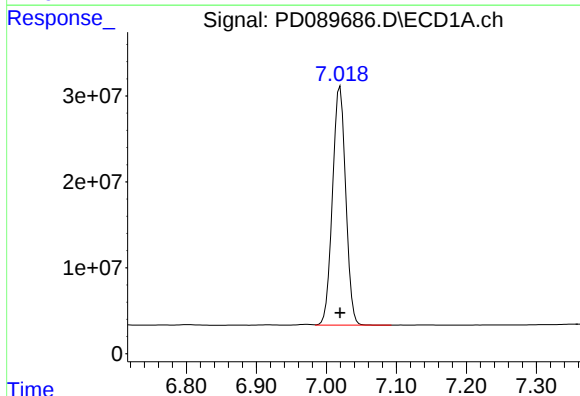
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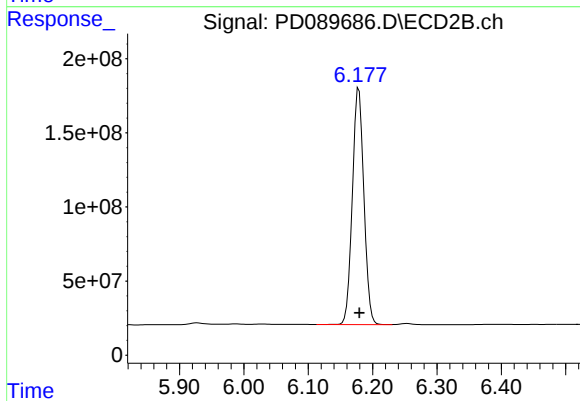
#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.000 min
Response: 16219265
Conc: 0.92 ng/ml m



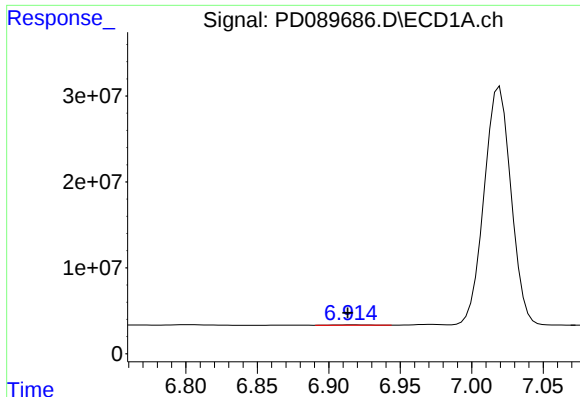
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 364771708
Conc: 108.56 ng/ml



#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1984665033
Conc: 108.02 ng/ml



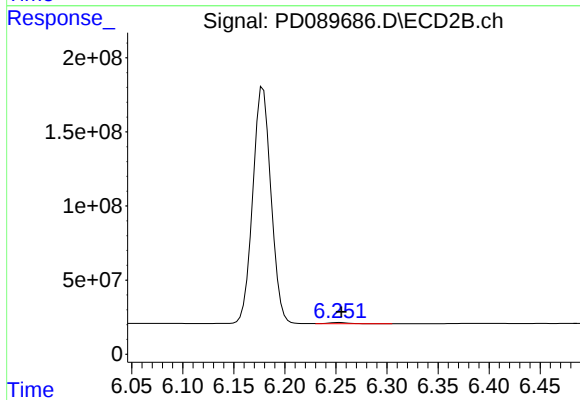
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.002 min
Response: 642296
Conc: 0.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

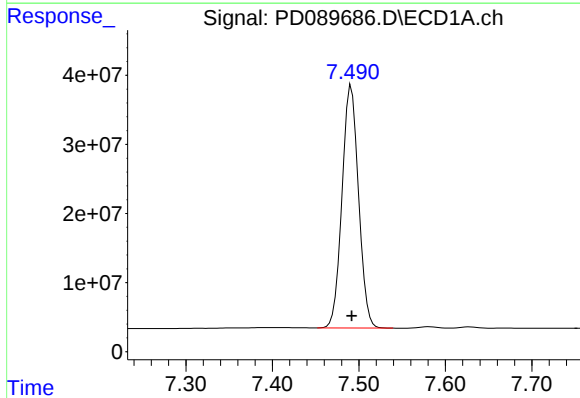
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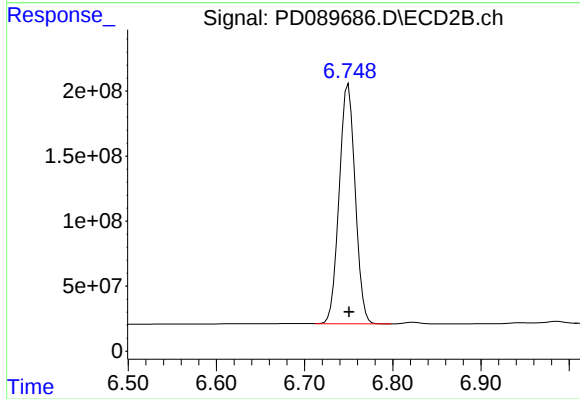
#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 9551952
Conc: 0.74 ng/ml



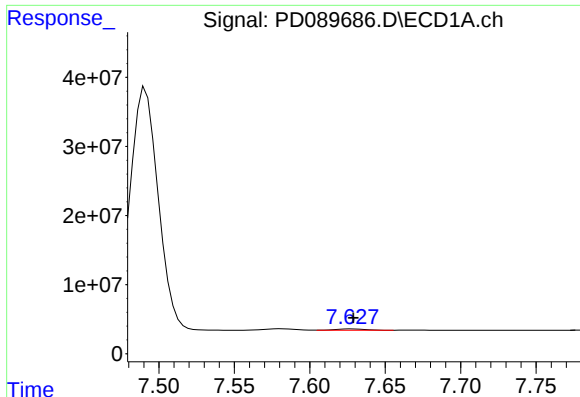
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 462952824
Conc: 258.93 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 2323412506
Conc: 237.19 ng/ml



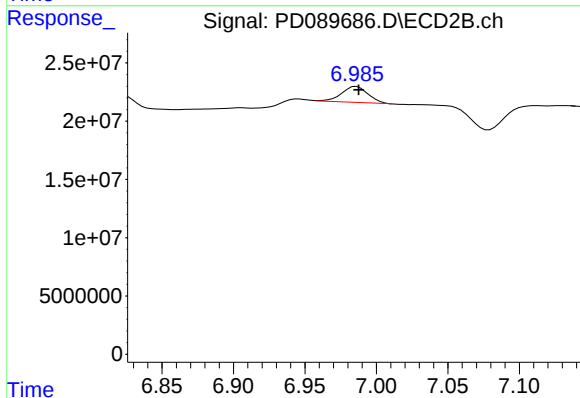
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 2513788
Conc: 0.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

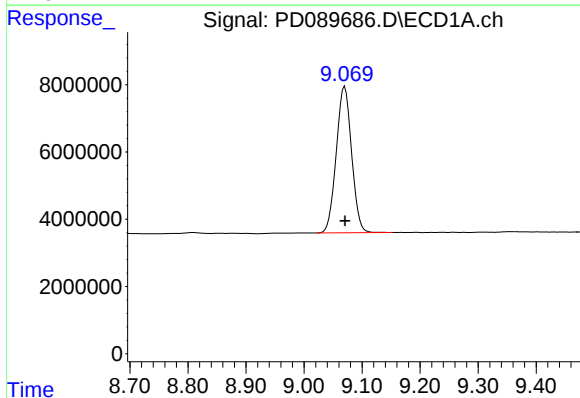
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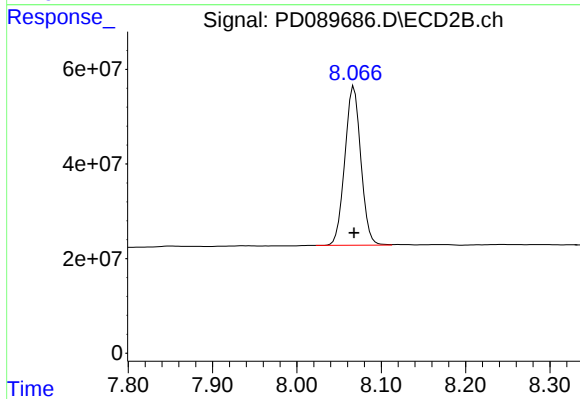
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 17437838
Conc: 0.87 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 80035568
Conc: 21.54 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 443406662
Conc: 22.08 ng/ml