

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081625\
 Data File : PD089926.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 18:33
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/18/2025
 Supervised By : mohammad ahmed 08/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 01:52:25 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	44680830	360.6E6	18.114	22.766 #
28)	SA Decachlor...	9.068	8.066	68277163	419.2E6	18.373	20.878
Target Compounds							
2)	A alpha-BHC	3.997	3.389	42505578	293.0E6	8.581	12.057m#
3)	MA gamma-BHC...	4.327	3.727	41561315	276.3E6	8.745m	12.267 #
6)	B beta-BHC	4.514	4.022	18024628	118.2E6	9.771	12.245 #
14)	MA Endrin	6.572	5.785	160.4E6	1144.6E6	44.837	57.443 #
16)	A 4,4'-DDD	6.701	5.925	4005705	32800960	1.338m	1.860 #
17)	MA 4,4'-DDT	7.018	6.178	280.2E6	1993.0E6	83.396	108.478 #
18)	B Endrin al...	6.913	6.252	1182484	15215097	0.474	1.178 #
20)	A Methoxychlor	7.490	6.749	348.5E6	2168.1E6	194.931	221.333
21)	B Endrin ke...	7.627	6.983	2569173	55386340	0.692	2.760m#

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

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Data File : PD089926.D
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Acq On : 15 Aug 2025 18:33
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

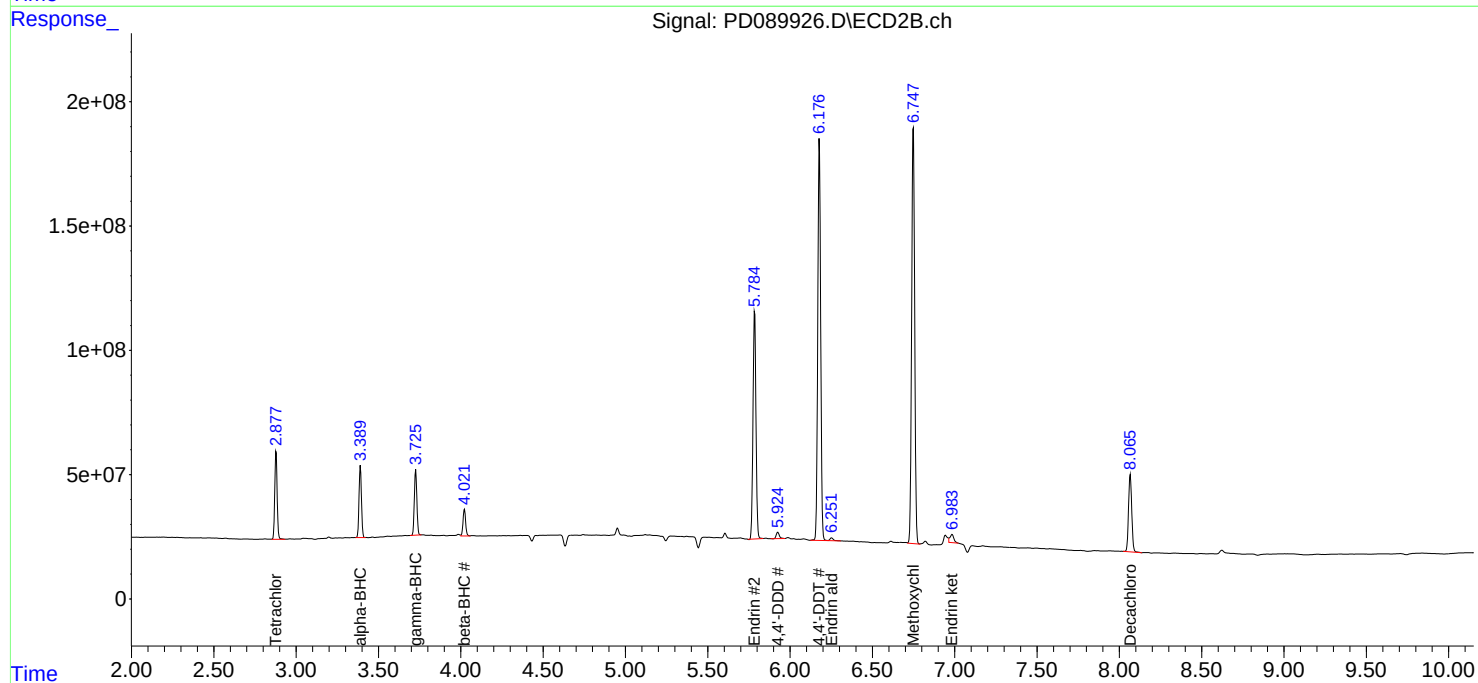
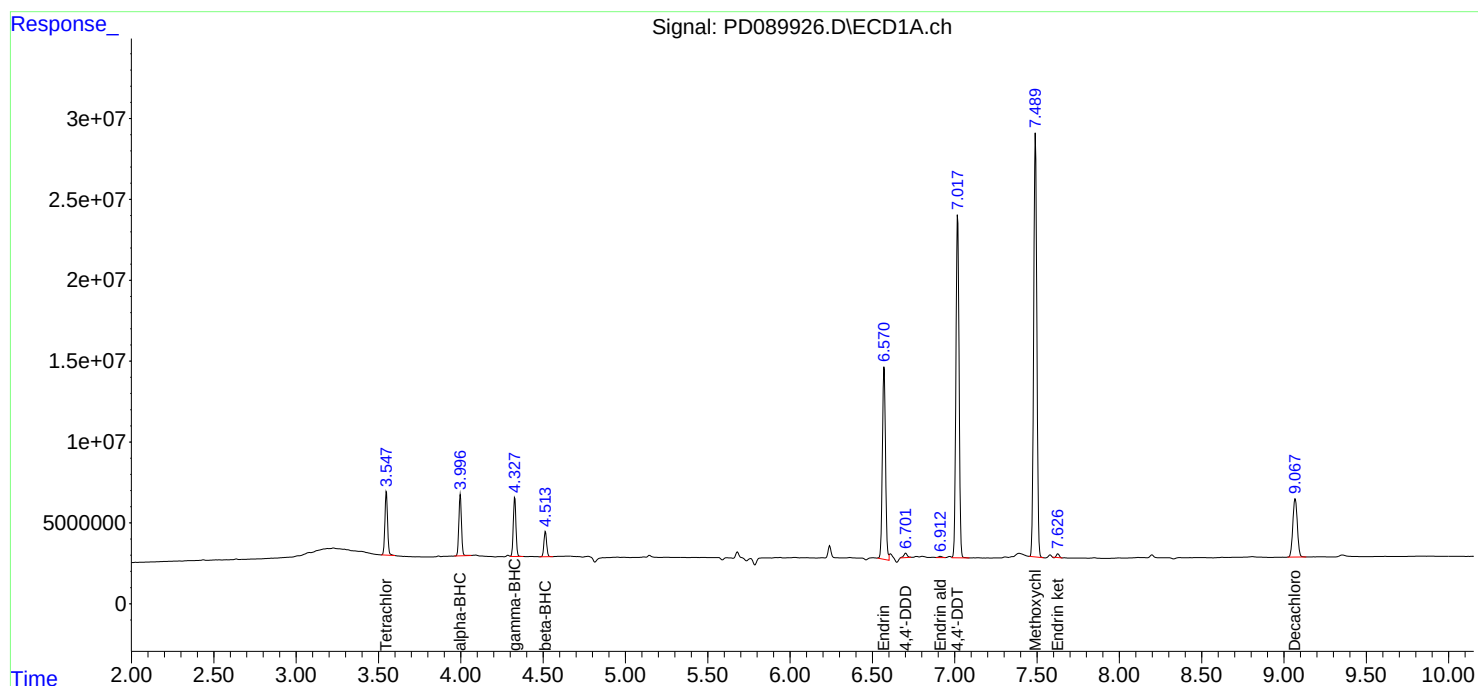
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ECD_D
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PEM

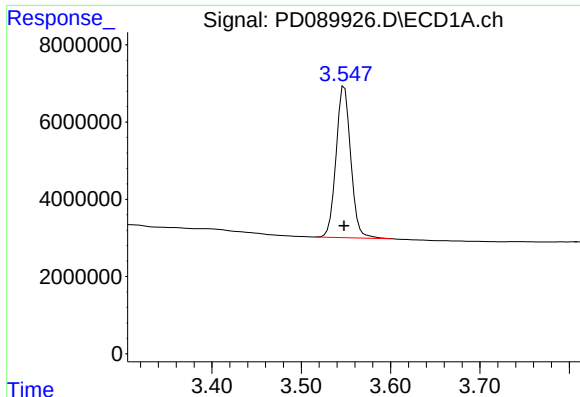
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 01:52:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 2025
Response 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





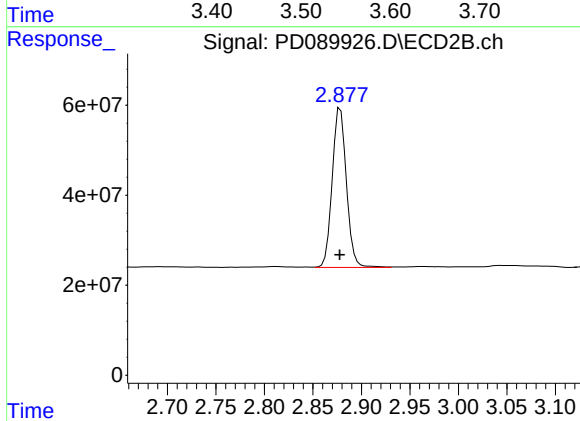
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 44680830
Conc: 18.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

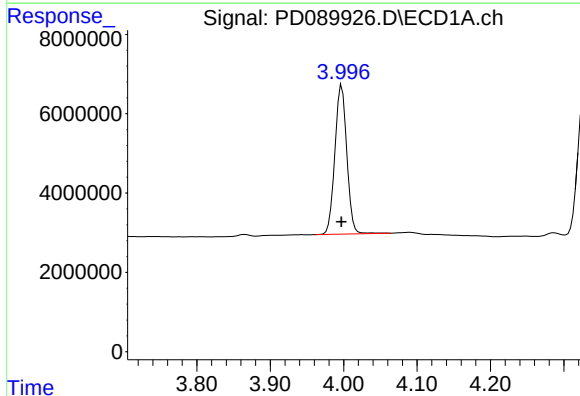
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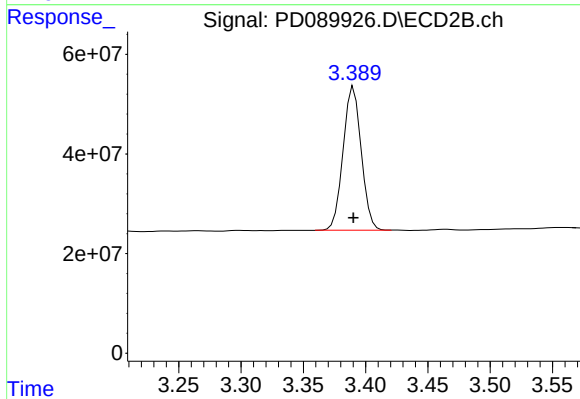
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 360559551
Conc: 22.77 ng/ml



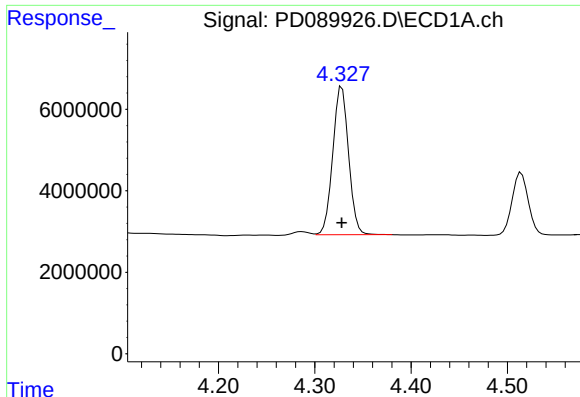
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.000 min
Response: 42505578
Conc: 8.58 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 293035047
Conc: 12.06 ng/ml m



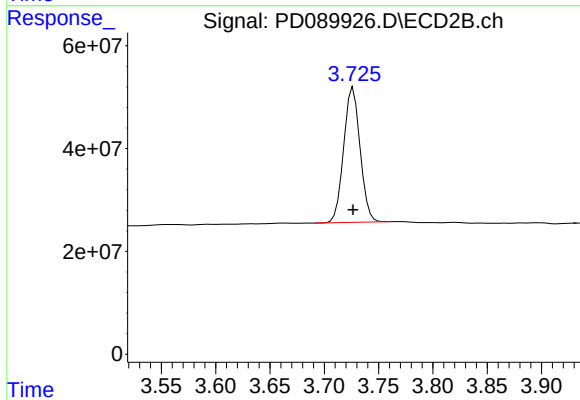
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 41561315
Conc: 8.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

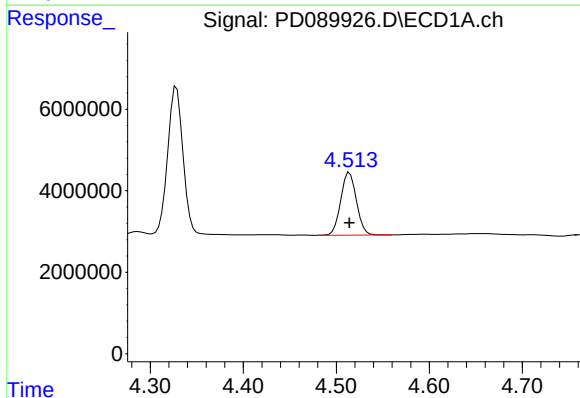
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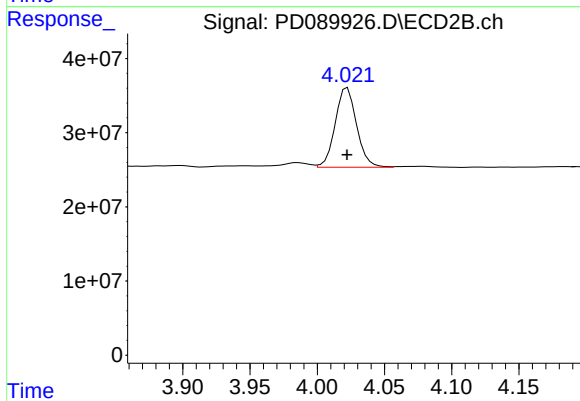
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 276296789
Conc: 12.27 ng/ml



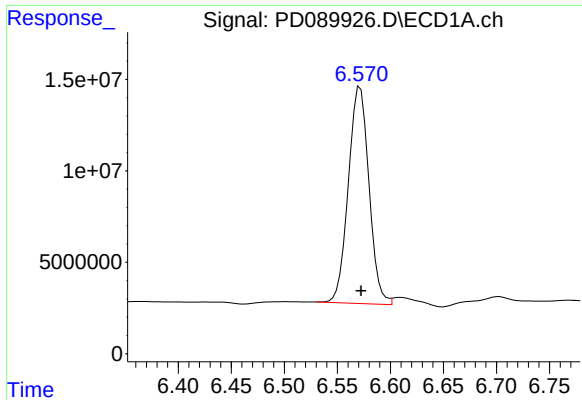
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 18024628
Conc: 9.77 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 118154556
Conc: 12.25 ng/ml



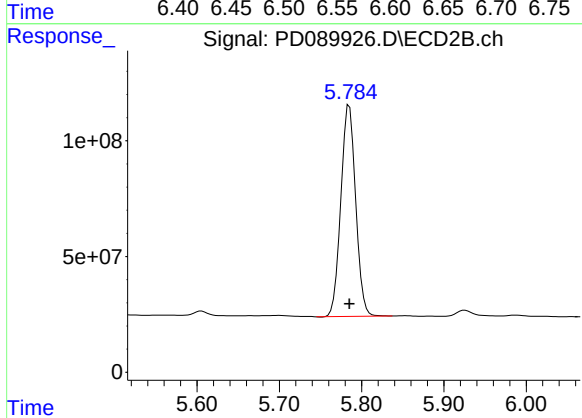
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 160414893
Conc: 44.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

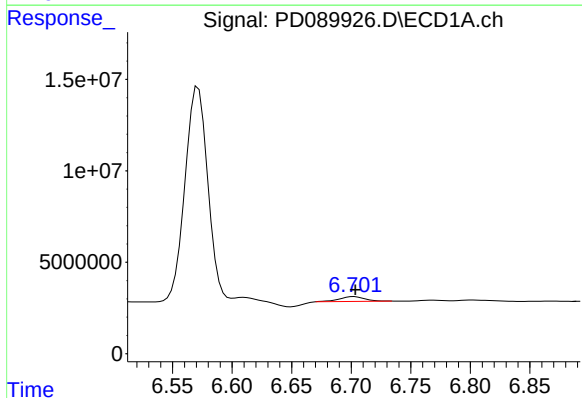
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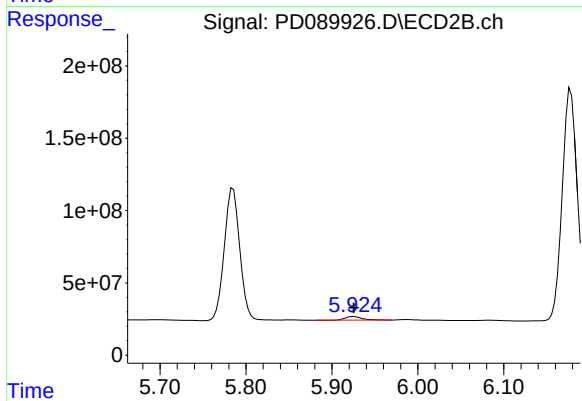
#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1144566324
Conc: 57.44 ng/ml



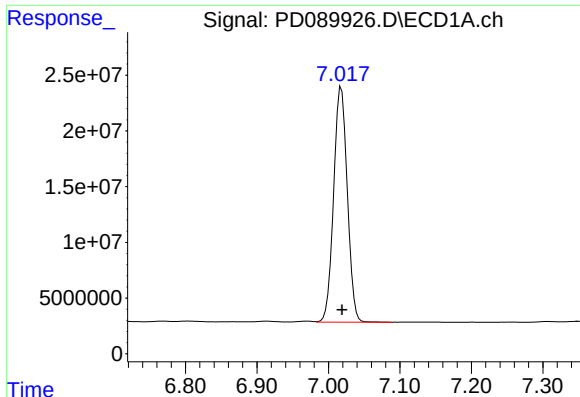
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 4005705
Conc: 1.34 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 32800960
Conc: 1.86 ng/ml



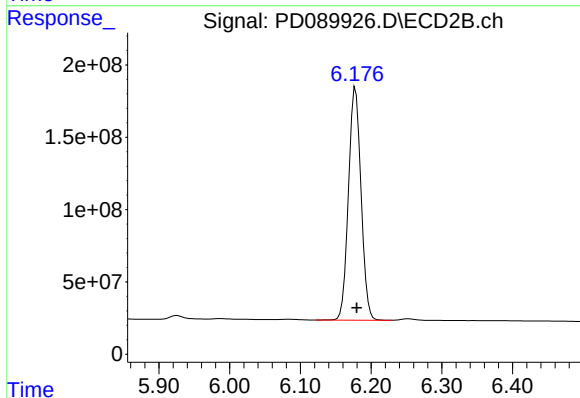
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.001 min
Response: 280231697
Conc: 83.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

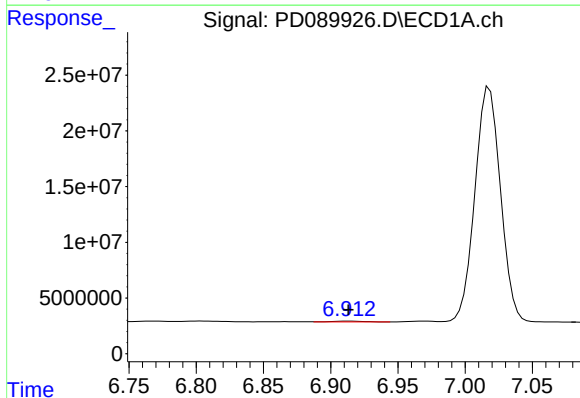
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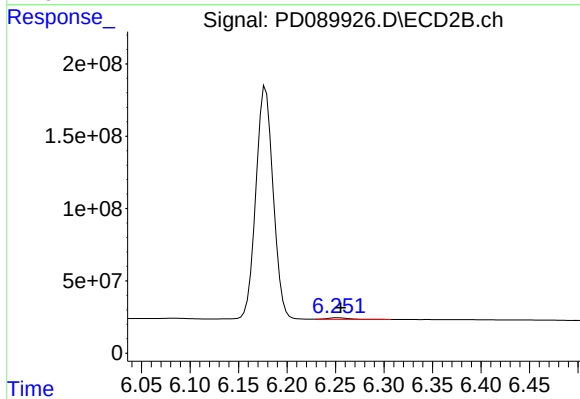
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 1993031273
Conc: 108.48 ng/ml



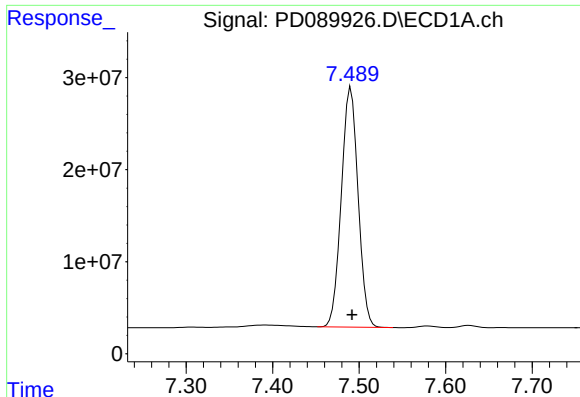
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 1182484
Conc: 0.47 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.003 min
Response: 15215097
Conc: 1.18 ng/ml



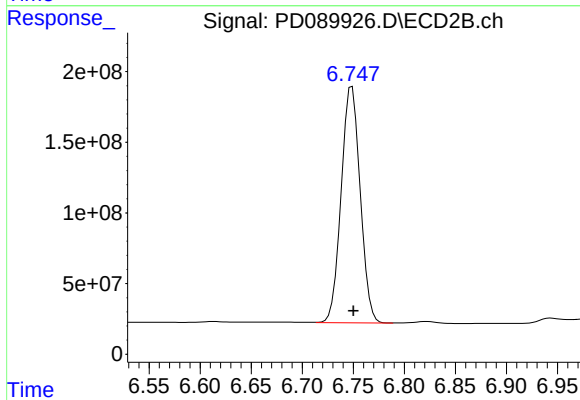
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.001 min
Response: 348532081
Conc: 194.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

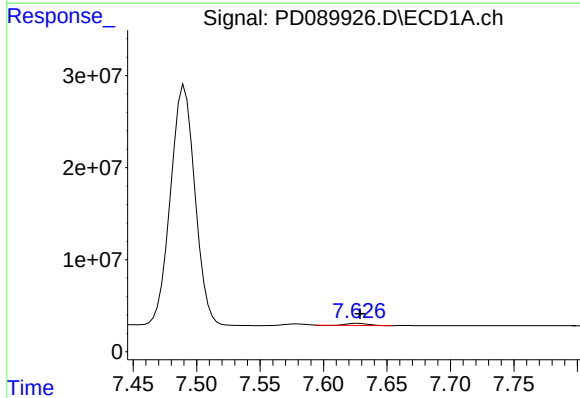
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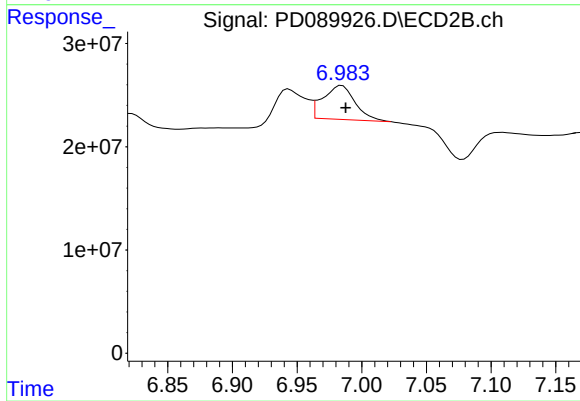
#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 2168071865
Conc: 221.33 ng/ml



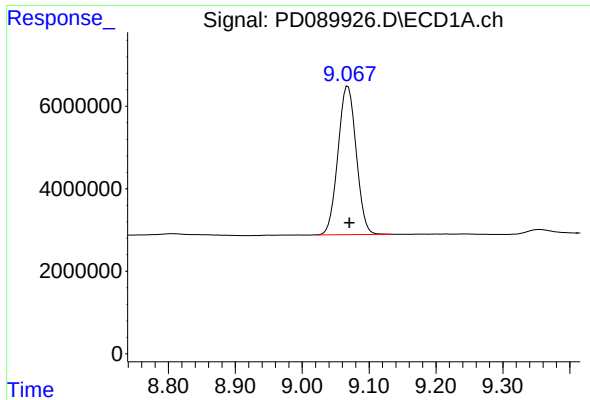
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 2569173
Conc: 0.69 ng/ml



#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.004 min
Response: 55386340
Conc: 2.76 ng/ml m



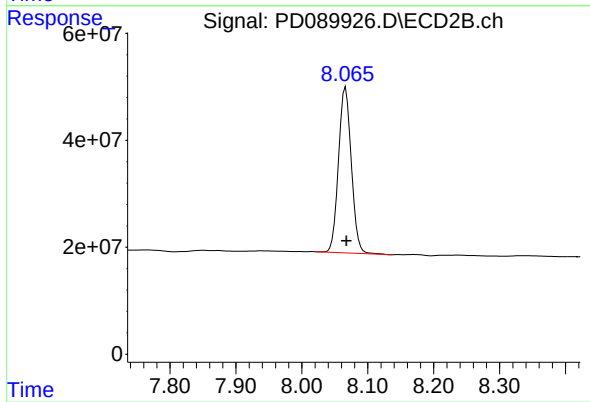
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: -0.002 min
Response: 68277163
Conc: 18.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.001 min
Response: 419185672
Conc: 20.88 ng/ml