

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091025\
 Data File : PL097100.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 10:18
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/10/2025
 Supervised By :mohammad ahmed 09/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 06:32:38 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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 x0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.528	2.823	81995771	108.6E6	20.791	19.262
28)	SA Decachlor...	9.000	7.983	62657039	102.2E6	21.163	21.315
Target Compounds							
2)	A alpha-BHC	3.975	3.328	59000203	77113887	10.183	9.391
3)	MA gamma-BHC...	4.303	3.660	57319367	73775659	10.495	10.015
6)	B beta-BHC	4.490	3.956	23821375	33948703	10.416	10.406
12)	B 4,4'-DDE	6.155	5.294	2654714	881206	0.665m	0.143m#
14)	MA Endrin	6.532	5.701	177.2E6	279.2E6	47.325	47.256
16)	A 4,4'-DDD	6.665	5.849	11693240	18960083	3.705	3.631
17)	MA 4,4'-DDT	6.979	6.101	331.2E6	543.6E6	94.566	99.244
18)	B Endrin al...	6.874	6.172	4795335	13708413	1.843m	N.D. #
20)	A Methoxychlor	7.451	6.673	393.2E6	626.8E6	226.550	208.957
21)	B Endrin ke...	7.586	6.898	14278531	24892687	4.016	3.977

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091025\
Data File : PL097100.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 10:18
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

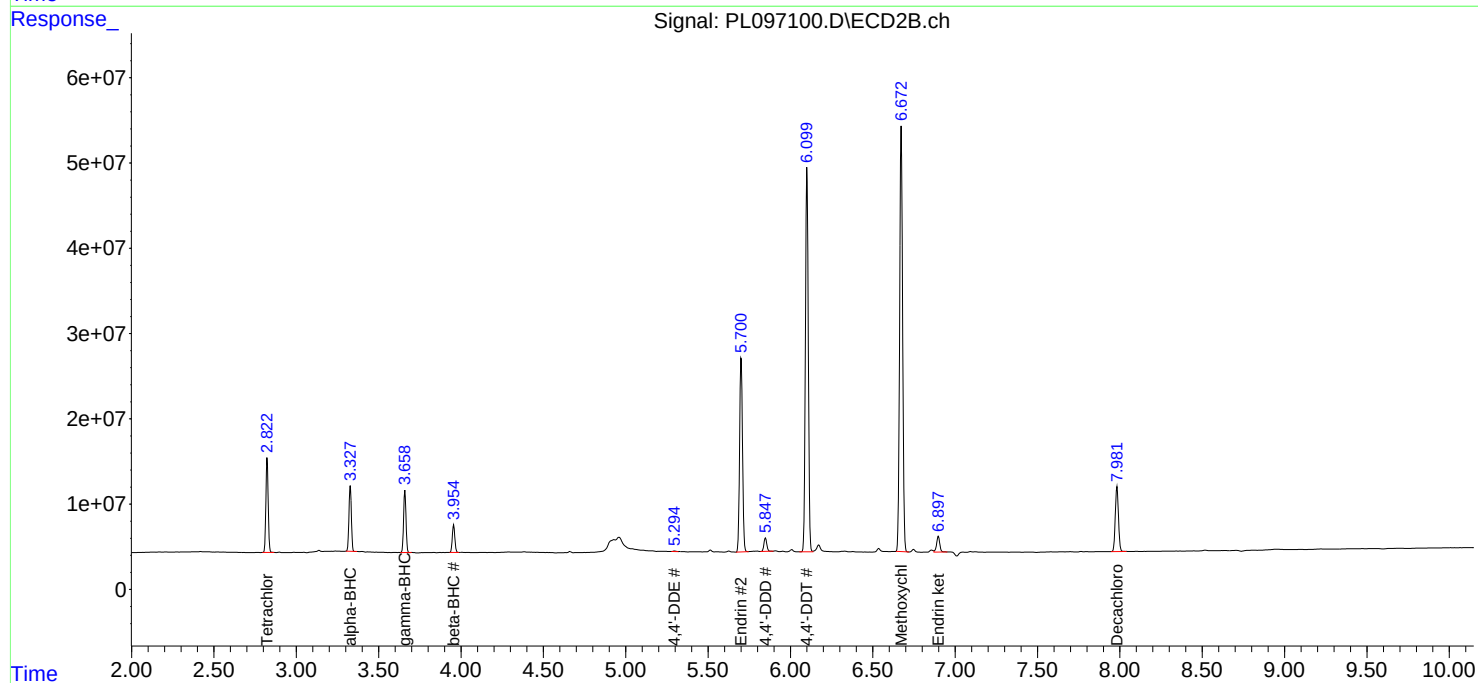
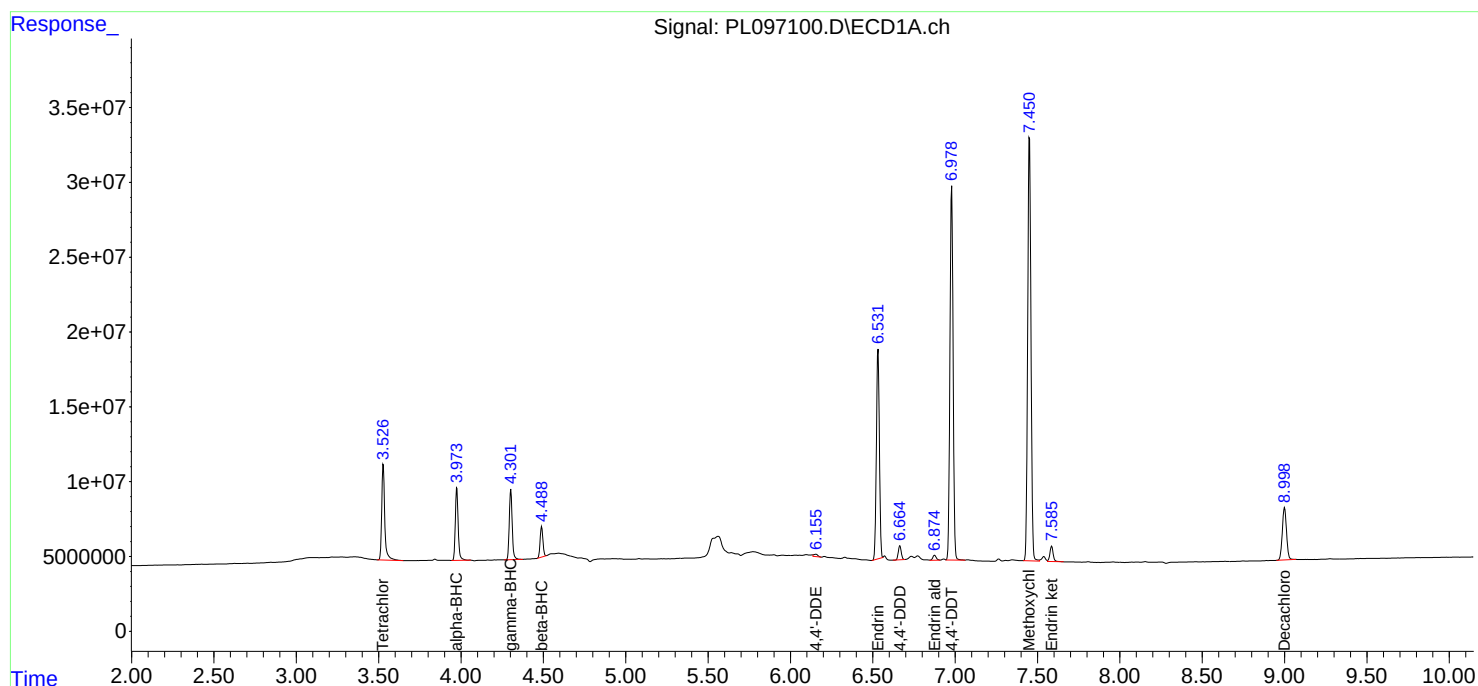
Instrument :
ECD_L
ClientSampleId :
PEM

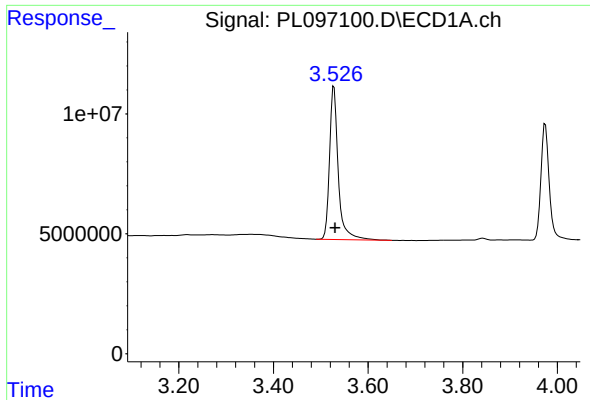
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Integration File signal 1: autoint1.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





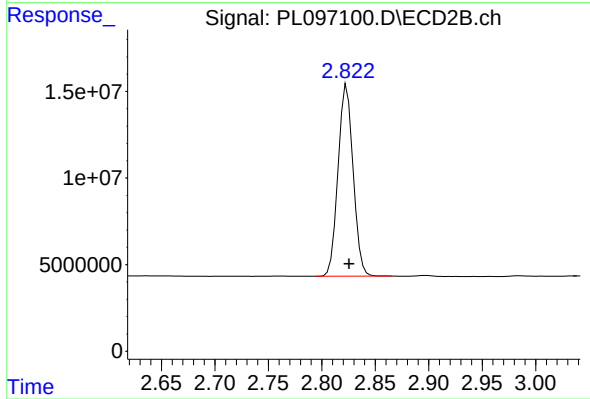
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: -0.002 min
Response: 81995771
Conc: 20.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

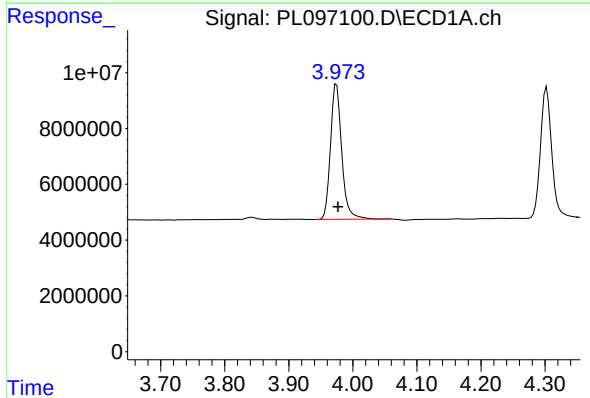
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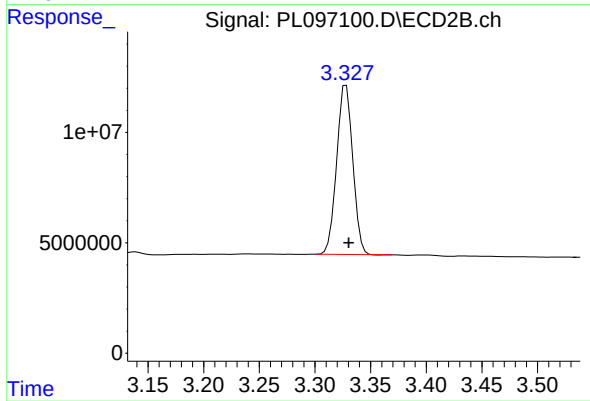
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.002 min
Response: 108570390
Conc: 19.26 ng/ml



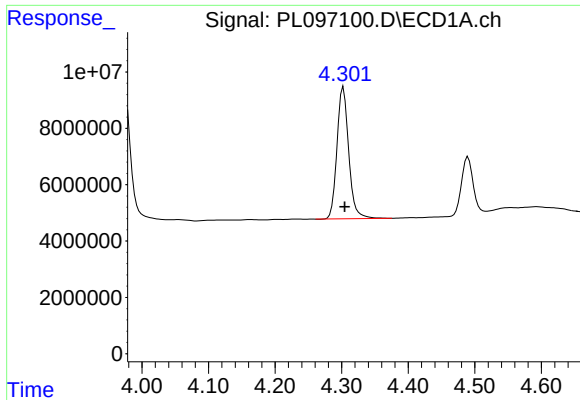
#2 alpha-BHC

R.T.: 3.975 min
Delta R.T.: -0.003 min
Response: 59000203
Conc: 10.18 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.002 min
Response: 77113887
Conc: 9.39 ng/ml



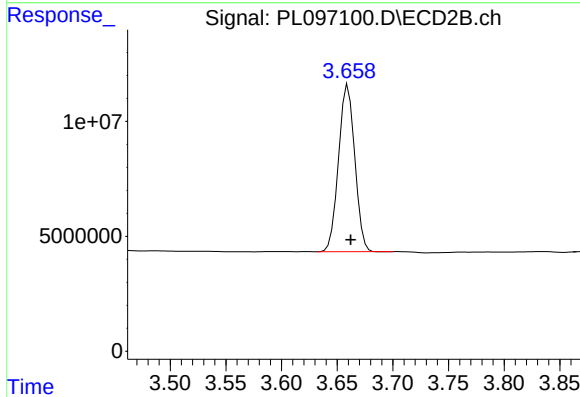
#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.002 min
Response: 57319367
Conc: 10.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

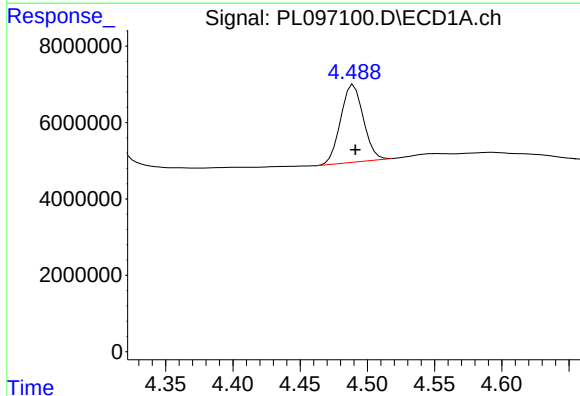
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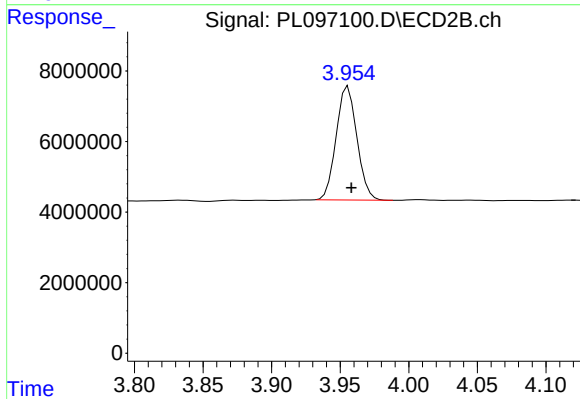
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 73775659
Conc: 10.02 ng/ml



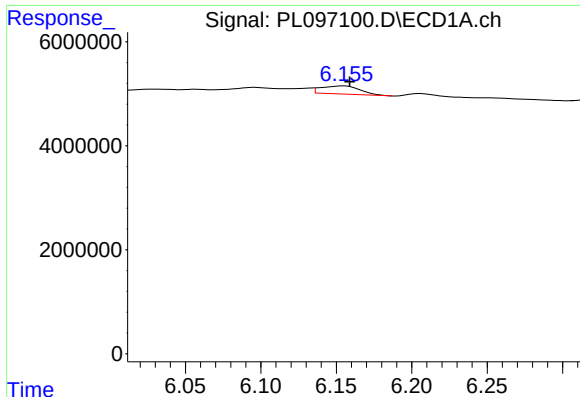
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.001 min
Response: 23821375
Conc: 10.42 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.003 min
Response: 33948703
Conc: 10.41 ng/ml



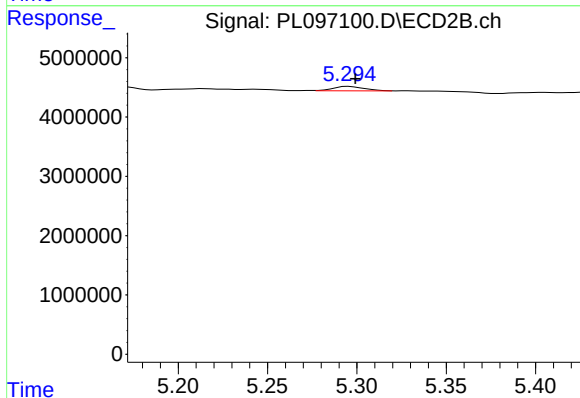
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 2654714
Conc: 0.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

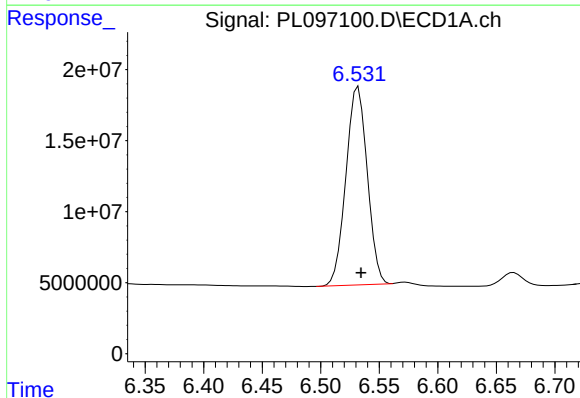
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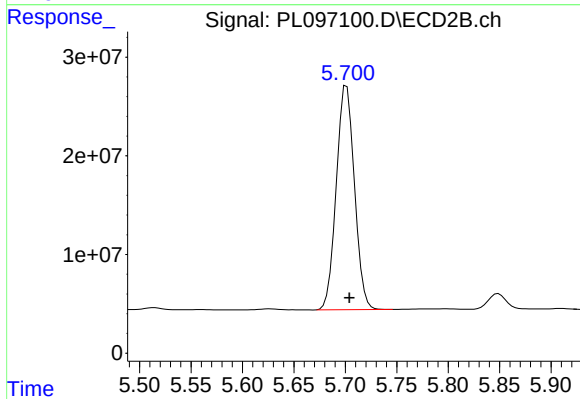
#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.005 min
Response: 881206
Conc: 0.14 ng/ml m



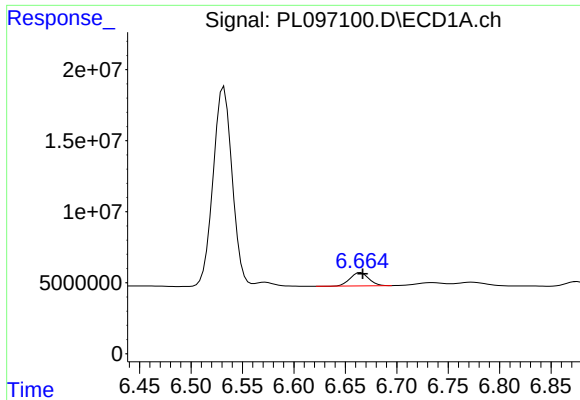
#14 Endrin

R.T.: 6.532 min
Delta R.T.: -0.002 min
Response: 177226909
Conc: 47.32 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 279152707
Conc: 47.26 ng/ml



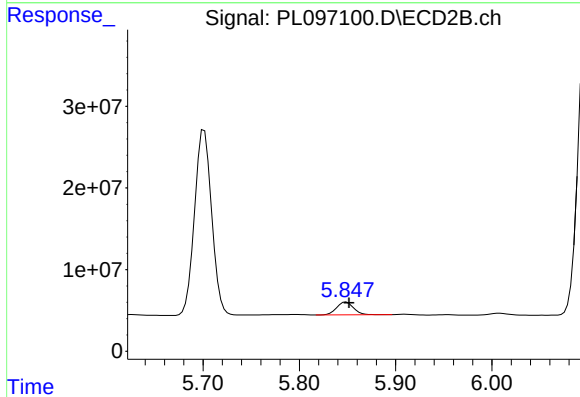
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: -0.002 min
Response: 11693240
Conc: 3.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

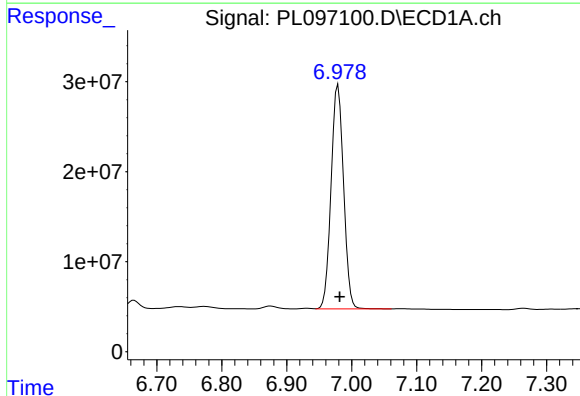
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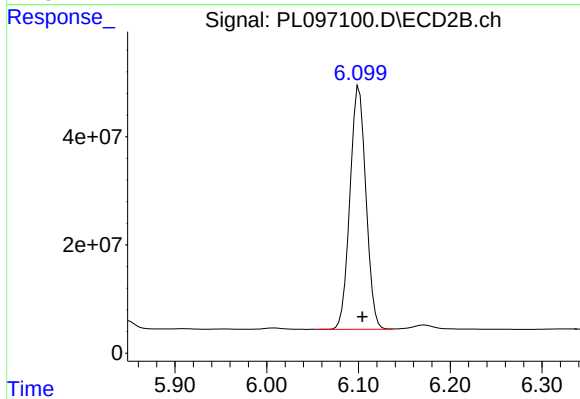
#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: -0.003 min
Response: 18960083
Conc: 3.63 ng/ml



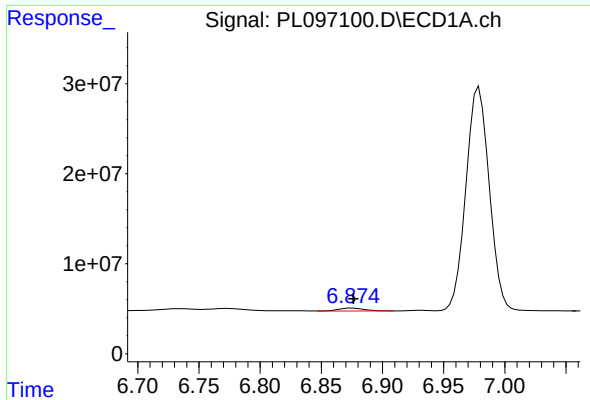
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: -0.002 min
Response: 331211368
Conc: 94.57 ng/ml



#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: -0.004 min
Response: 543586385
Conc: 99.24 ng/ml



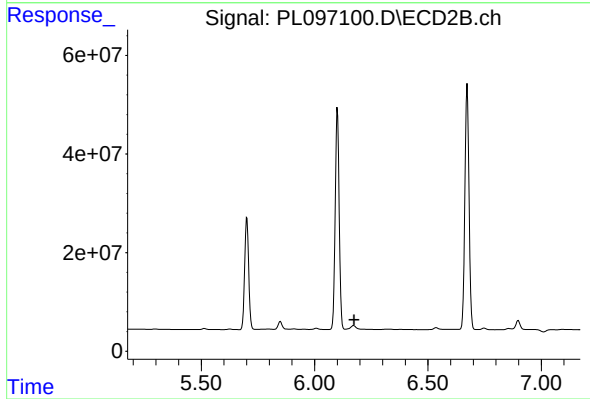
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: -0.003 min
Response: 4795335
Conc: 1.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

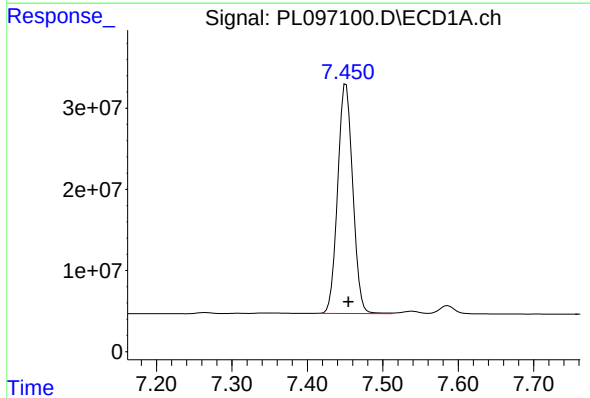
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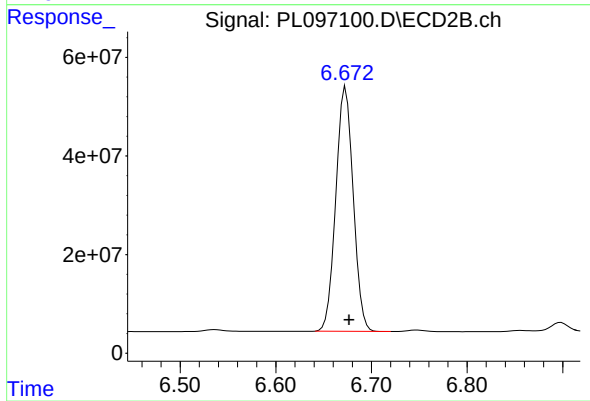
#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 13708413
Conc: N.D.



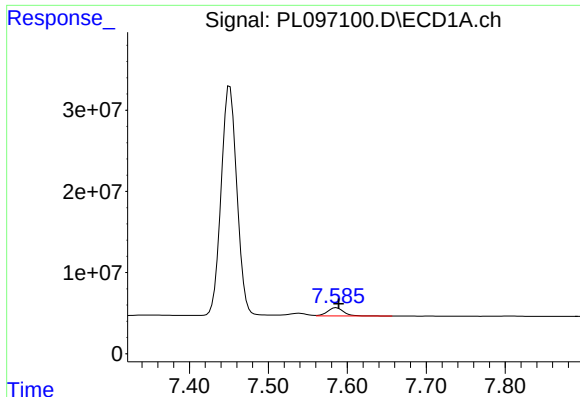
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.003 min
Response: 393176391
Conc: 226.55 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.003 min
Response: 626824322
Conc: 208.96 ng/ml



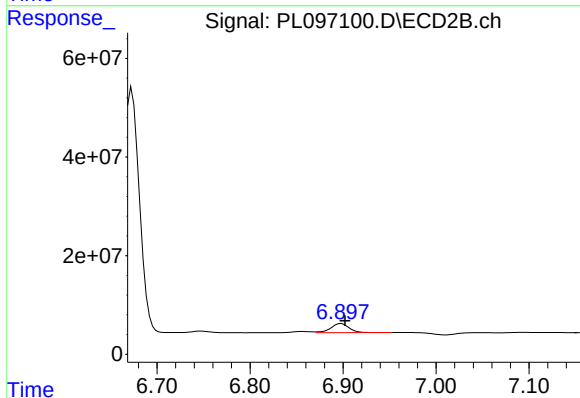
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.003 min
Response: 14278531
Conc: 4.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

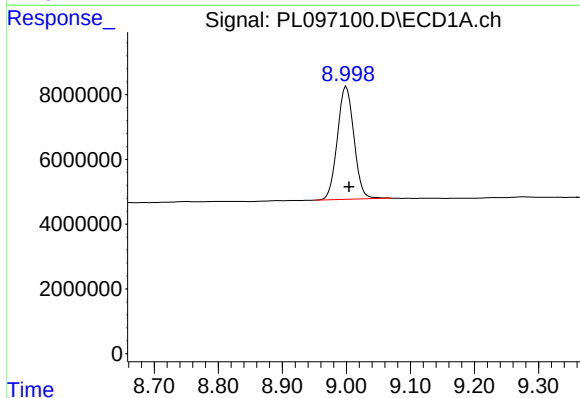
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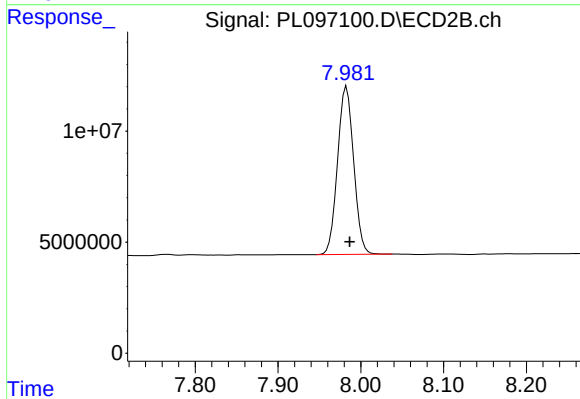
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 24892687
Conc: 3.98 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: -0.004 min
Response: 62657039
Conc: 21.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.004 min
Response: 102221080
Conc: 21.31 ng/ml