

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100725\
 Data File : PL097524.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Oct 2025 10:06
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/08/2025
 Supervised By :mohammad ahmed 10/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 07 14:33:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 14:32:10 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...	3.525	2.822	85683400	121.8E6	21.018	20.011
28)	SA Decachlor...	8.995	7.980	66841952	112.7E6	22.478	21.728
Target Compounds							
2)	A alpha-BHC	3.972	3.327	62410931	97859114	9.252	9.918
3)	MA gamma-BHC...	4.299	3.659	60643492	87784486	9.541	9.555
6)	B beta-BHC	4.487	3.954	25254750	39230868	9.768	9.862
14)	MA Endrin	6.528	5.699	219.7E6	356.7E6	49.099	48.195
16)	A 4,4'-DDD	6.662	5.847	4657332	7034991	1.234	1.103
17)	MA 4,4'-DDT	6.976	6.098	403.2E6	678.6E6	99.449	101.838
18)	B Endrin al...	6.872	6.170	1414620	13411474	0.432m	2.329 #
20)	A Methoxychlor	7.449	6.670	486.8E6	781.9E6	233.027	214.495
21)	B Endrin ke...	7.582	6.895	4108757	13404328	0.960m	1.697 #

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

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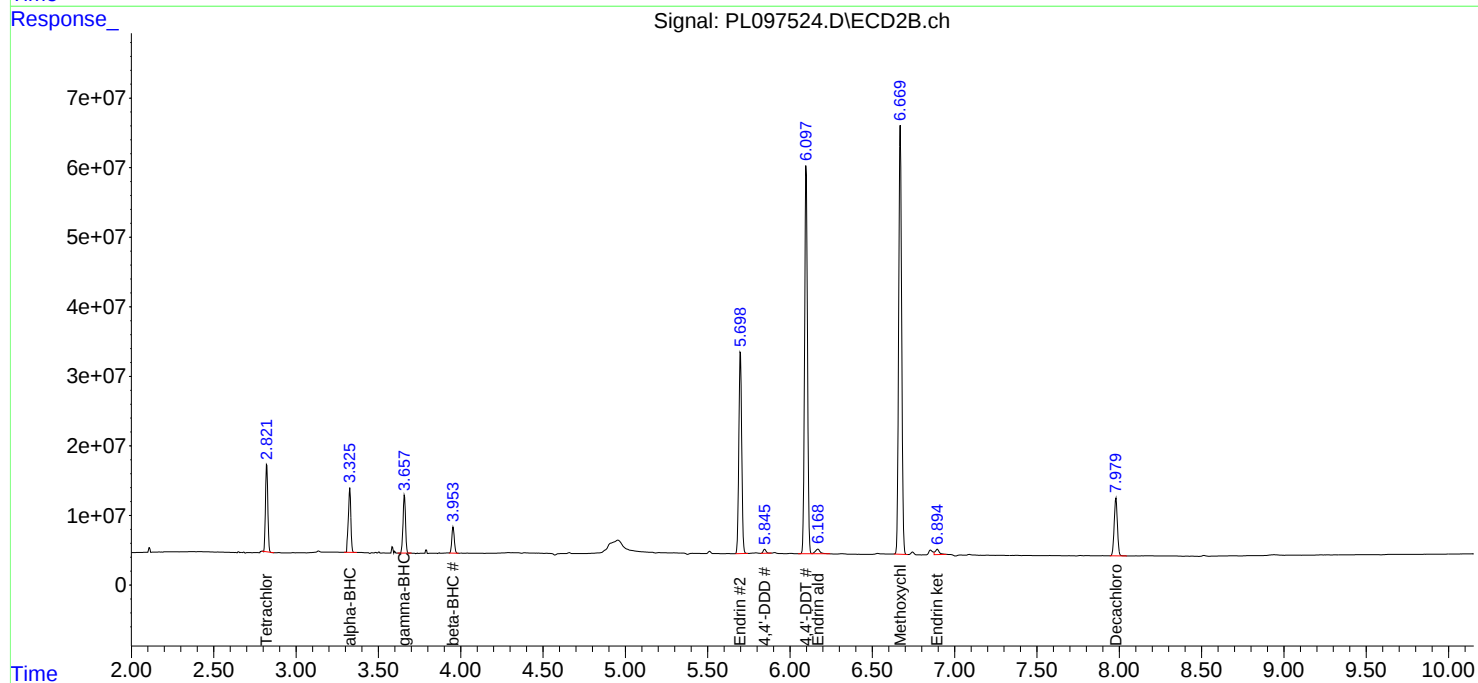
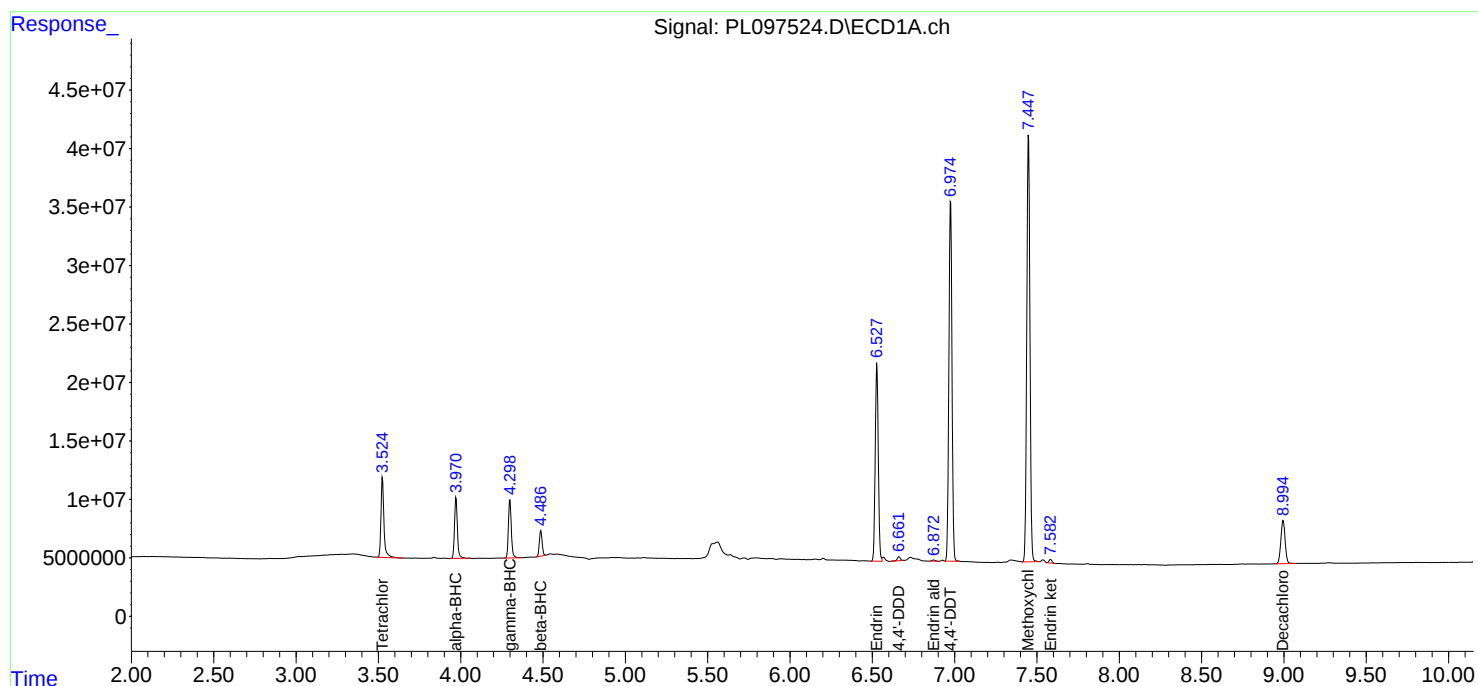
Instrument :
ECD_L
ClientSampleId :
PEM

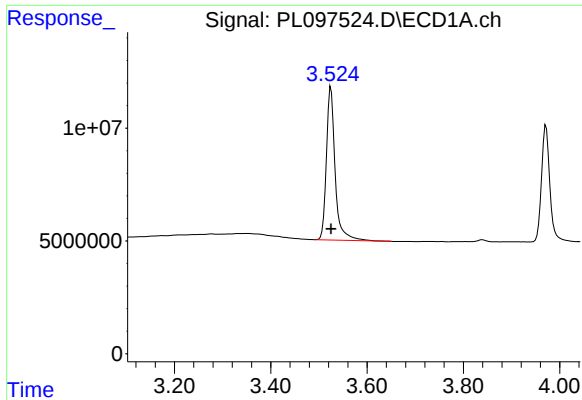
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Integration File signal 1: autoint1.e
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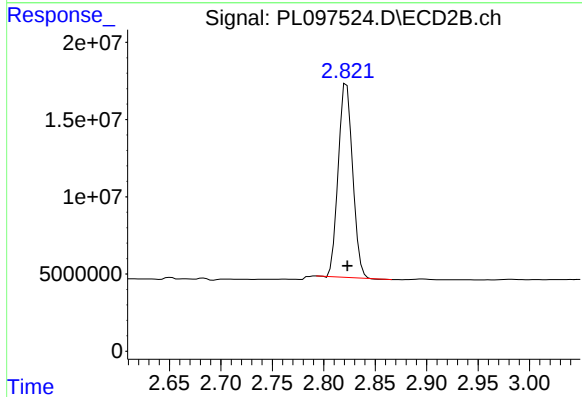
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 85683400
Conc: 21.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

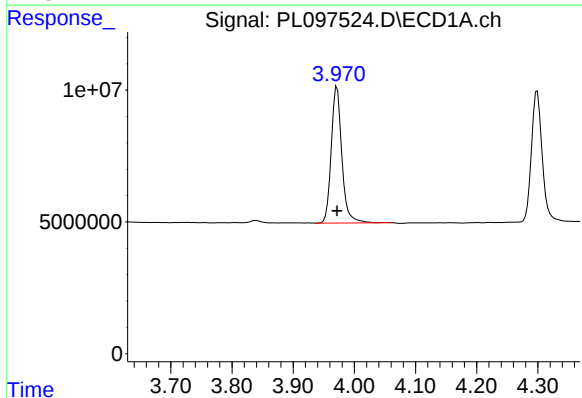
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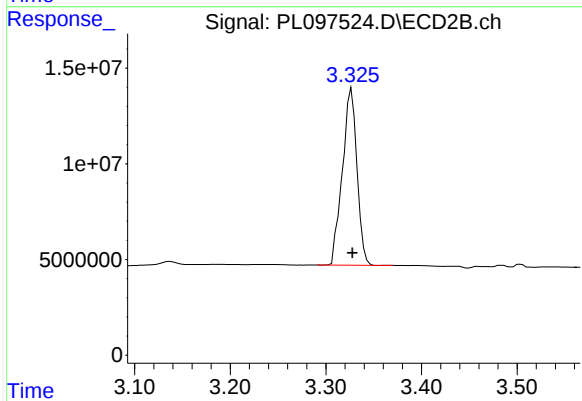
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 121795793
Conc: 20.01 ng/ml



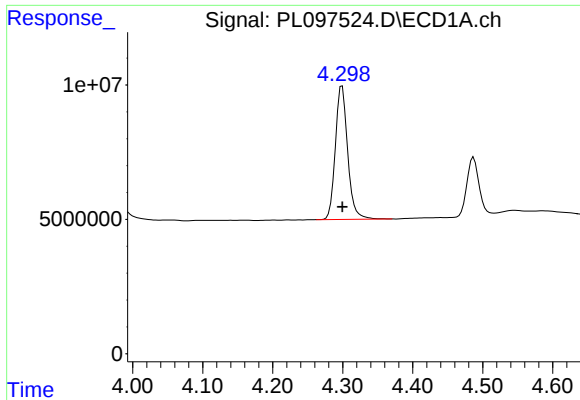
#2 alpha-BHC

R.T.: 3.972 min
Delta R.T.: 0.000 min
Response: 62410931
Conc: 9.25 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 97859114
Conc: 9.92 ng/ml



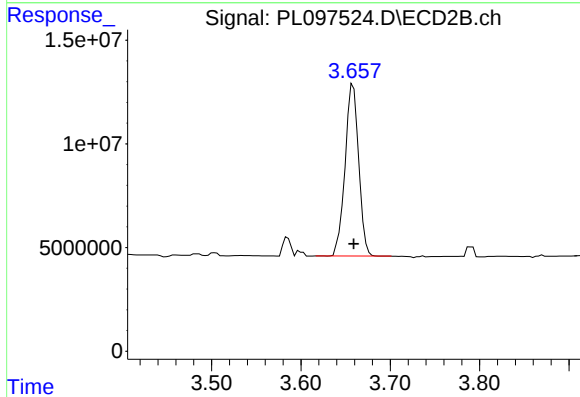
#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 60643492
Conc: 9.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

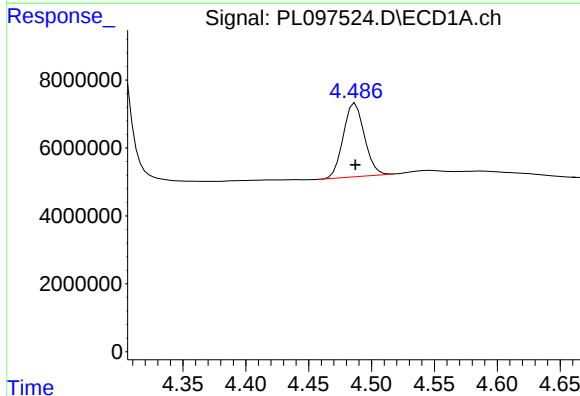
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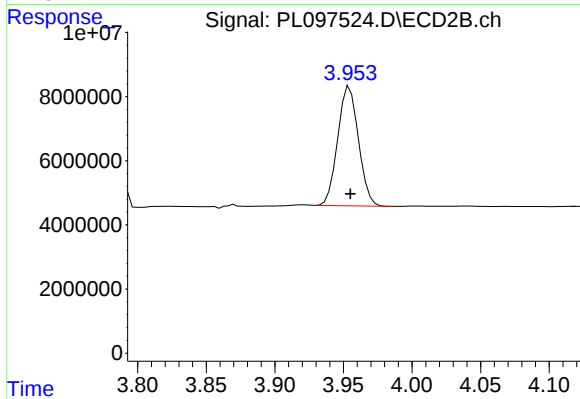
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 87784486
Conc: 9.56 ng/ml



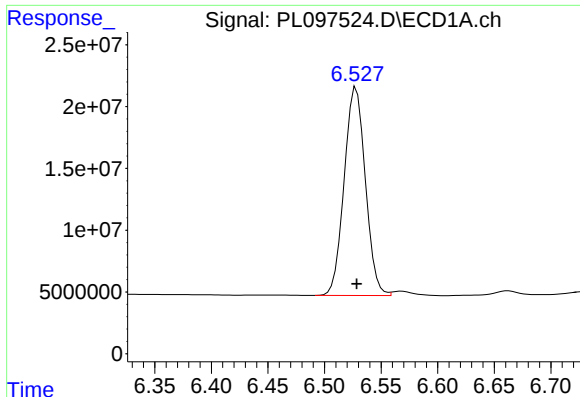
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 25254750
Conc: 9.77 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 39230868
Conc: 9.86 ng/ml



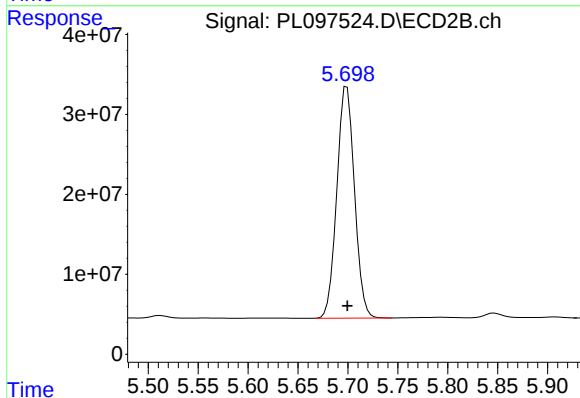
#14 Endrin

R.T.: 6.528 min
Delta R.T.: 0.000 min
Response: 219684640
Conc: 49.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

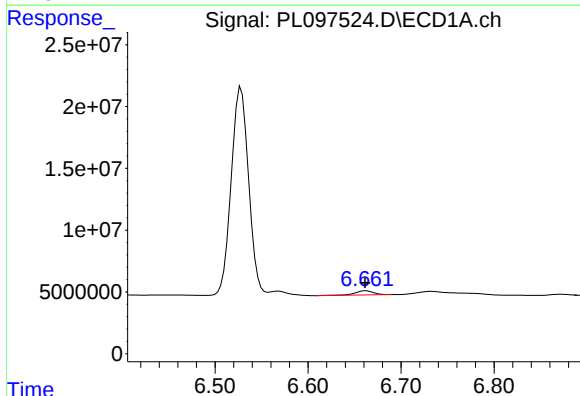
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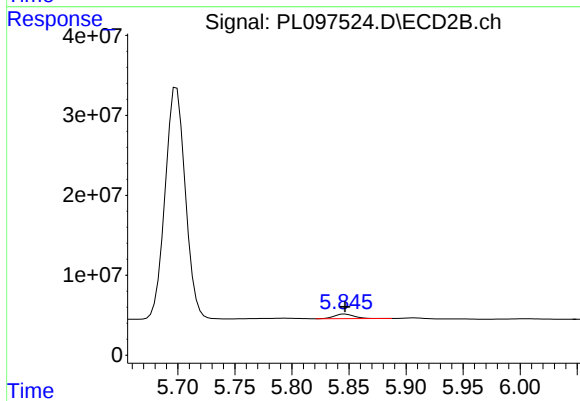
#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 356713870
Conc: 48.20 ng/ml



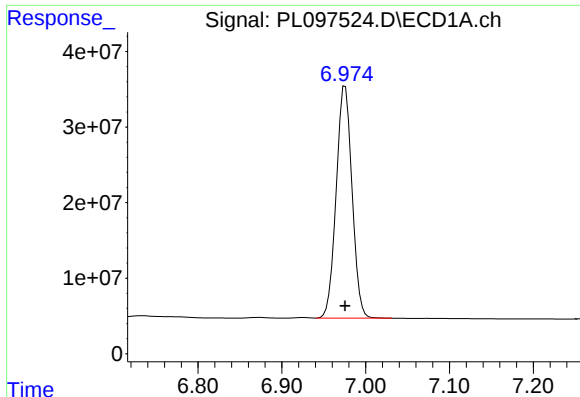
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: 0.001 min
Response: 4657332
Conc: 1.23 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: 0.000 min
Response: 7034991
Conc: 1.10 ng/ml



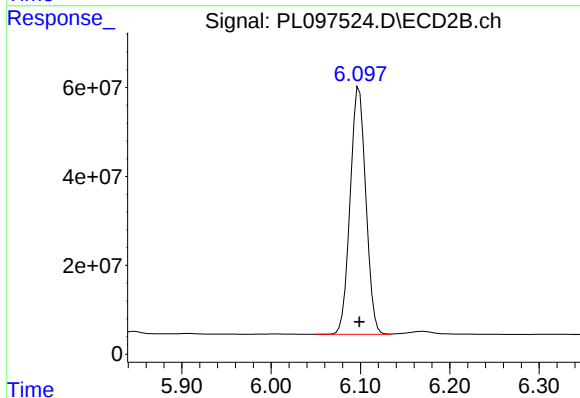
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: 0.000 min
Response: 403234840
Conc: 99.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

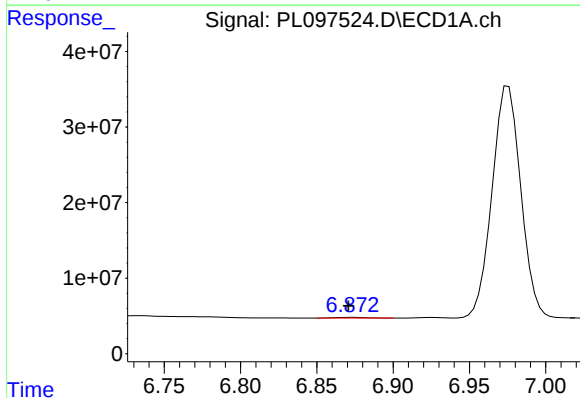
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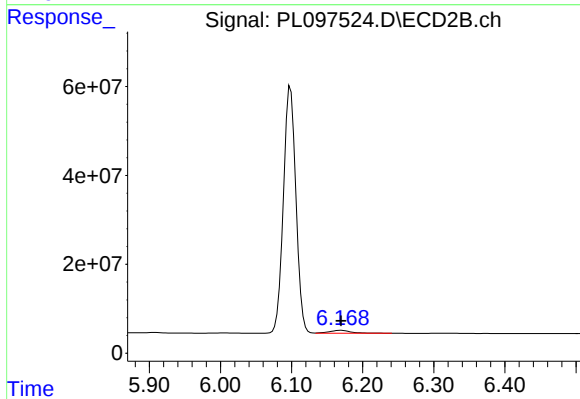
#17 4,4'-DDT

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 678588384
Conc: 101.84 ng/ml



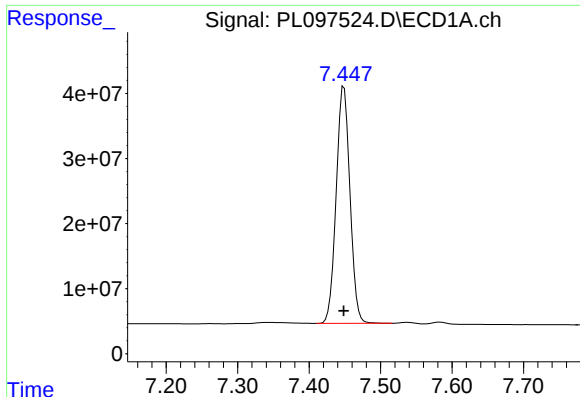
#18 Endrin aldehyde

R.T.: 6.872 min
Delta R.T.: 0.000 min
Response: 1414620
Conc: 0.43 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 13411474
Conc: 2.33 ng/ml



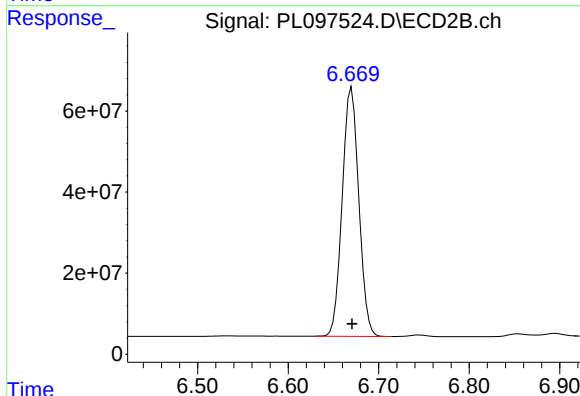
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.000 min
Response: 486793973
Conc: 233.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

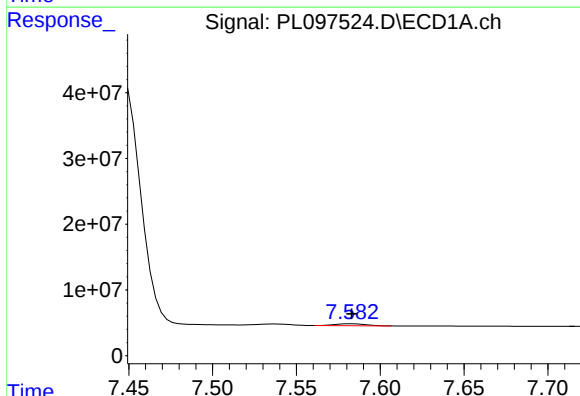
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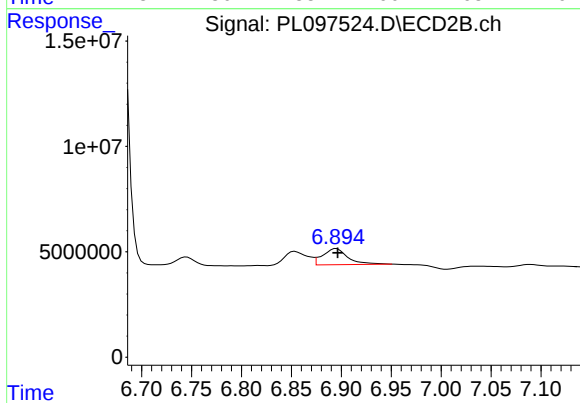
#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: 0.000 min
Response: 781879462
Conc: 214.49 ng/ml



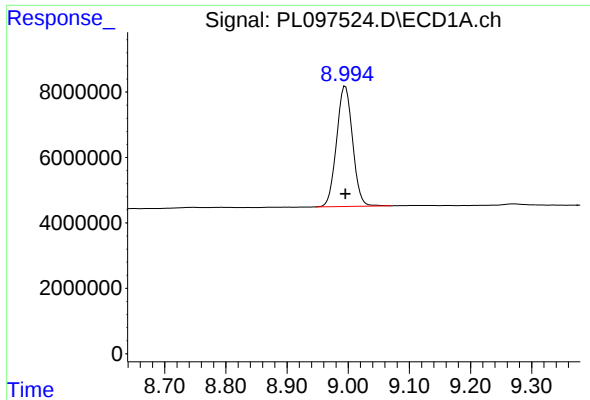
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: -0.001 min
Response: 4108757
Conc: 0.96 ng/ml m



#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.001 min
Response: 13404328
Conc: 1.70 ng/ml



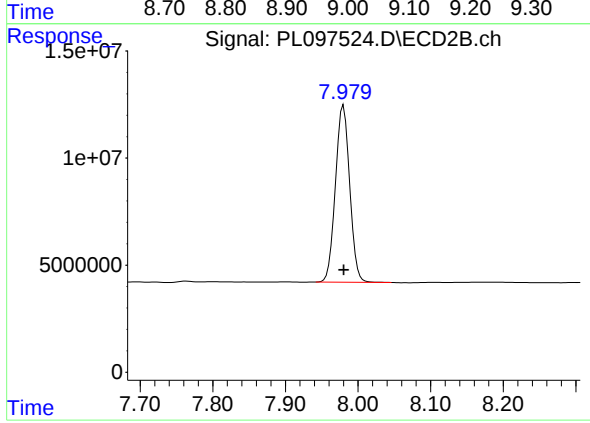
#28 Decachlorobiphenyl

R.T.: 8.995 min
Delta R.T.: 0.000 min
Response: 66841952
Conc: 22.48 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.980 min
Delta R.T.: 0.000 min
Response: 112748675
Conc: 21.73 ng/ml