

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090925\
 Data File : PL097082.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 09:13
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 05:37:56 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	2.822	79818491	109.1E6	20.239	19.347
28)	SA Decachlor...	9.002	7.983	60746867	99975091	20.518	20.846
Target Compounds							
2)	A alpha-BHC	3.974	3.327	57499419	77473472	9.924	9.435
3)	MA gamma-BHC...	4.302	3.659	54718399	73897281	10.018	10.032
6)	B beta-BHC	4.490	3.955	23977983	33846825	10.484	10.375
12)	B 4,4'-DDE	6.156	5.296	1072193	654292	0.269m	0.106m#
14)	MA Endrin	6.533	5.702	177.5E6	283.9E6	47.405	48.055
16)	A 4,4'-DDD	6.666	5.849	6485961	13182067	2.055	2.524
17)	MA 4,4'-DDT	6.981	6.101	333.5E6	550.1E6	95.230	100.433
20)	A Methoxychlor	7.453	6.673	394.8E6	629.8E6	227.479	209.964
21)	B Endrin ke...	7.588	6.899	10115043	21875784	2.845	3.495

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

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Acq On : 08 Sep 2025 09:13
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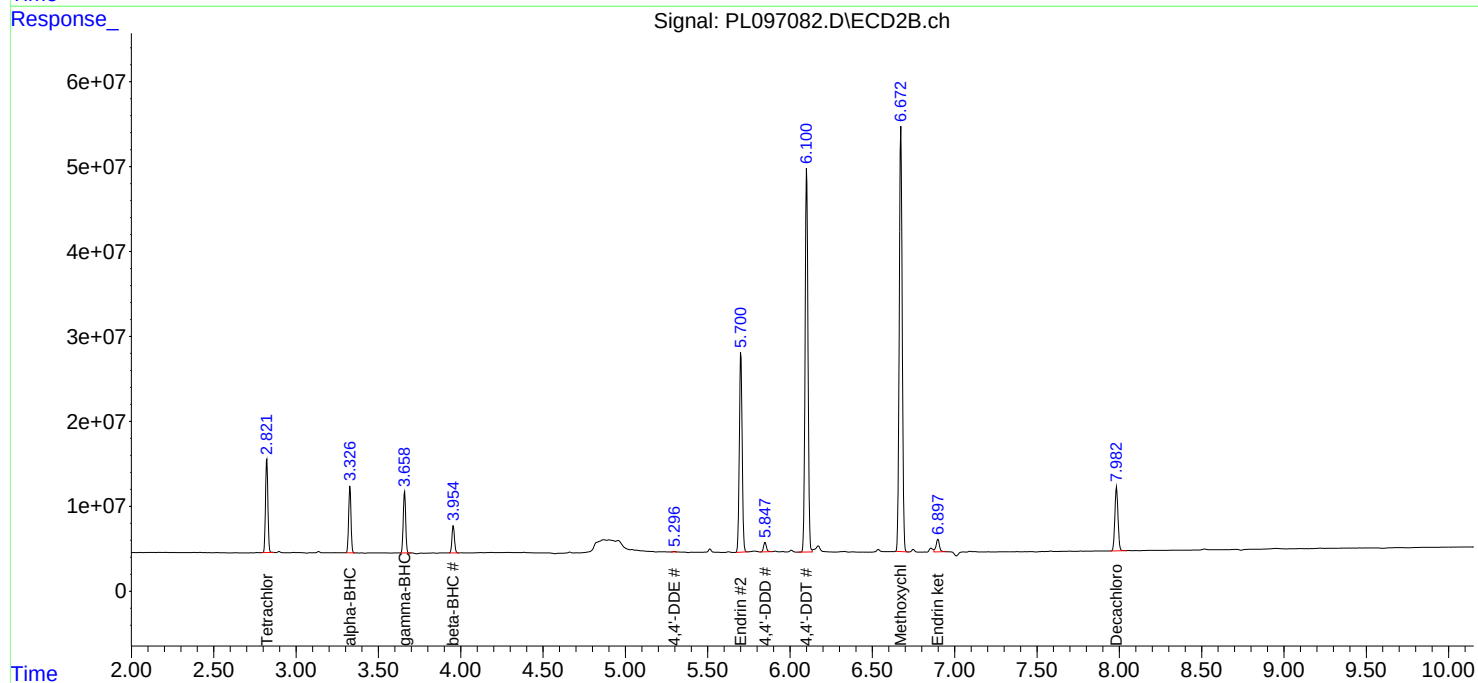
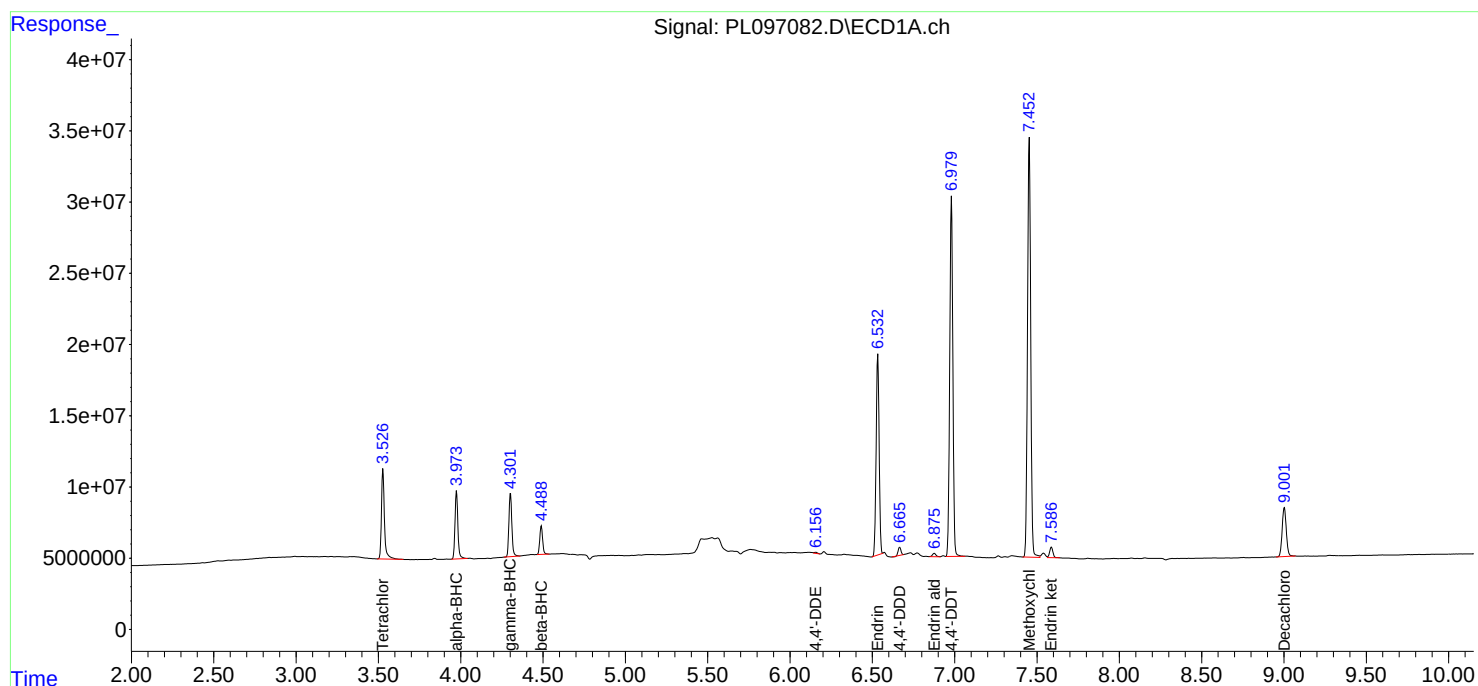
Instrument :
ECD_L
ClientSampleId :
PEM

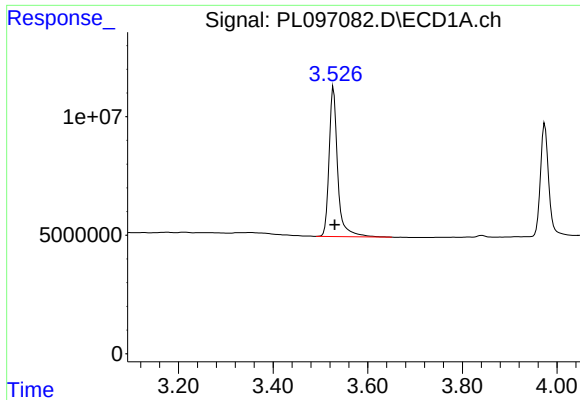
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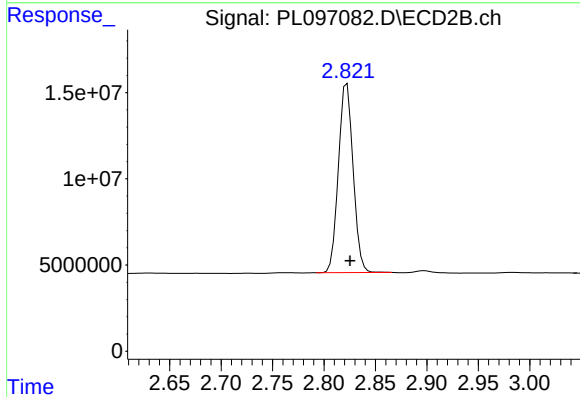
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: -0.002 min
Response: 79818491
Conc: 20.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

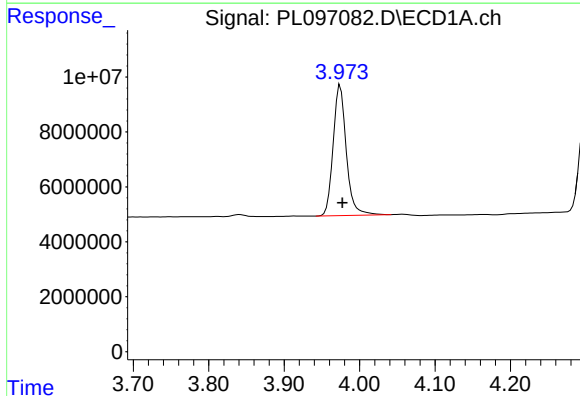
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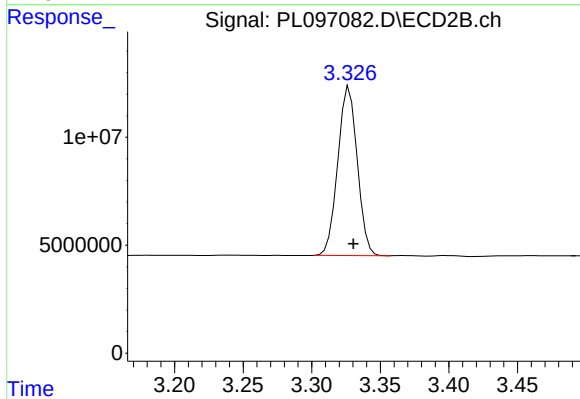
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.003 min
Response: 109050491
Conc: 19.35 ng/ml



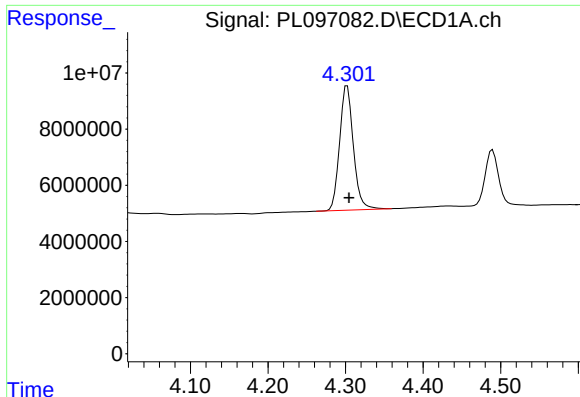
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: -0.003 min
Response: 57499419
Conc: 9.92 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.003 min
Response: 77473472
Conc: 9.43 ng/ml



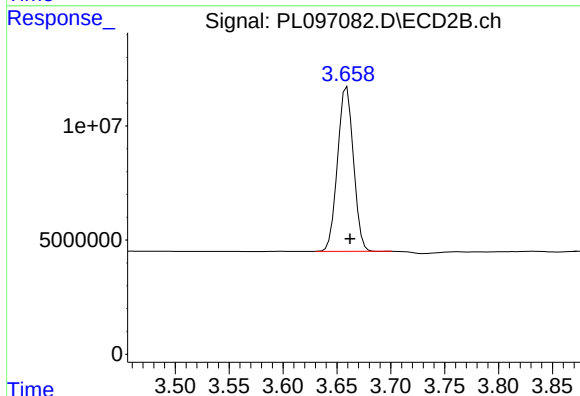
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: -0.002 min
Response: 54718399
Conc: 10.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

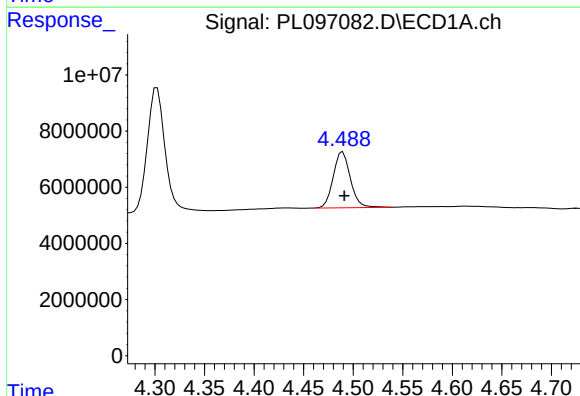
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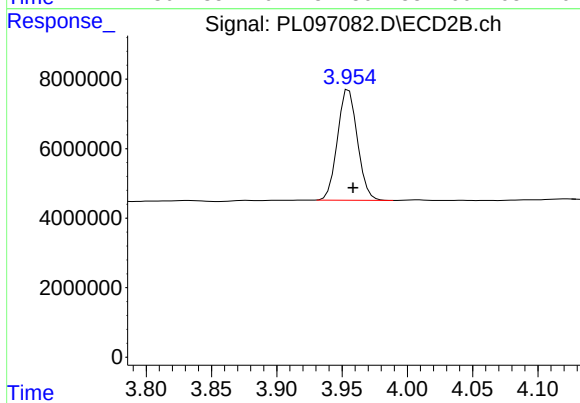
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.003 min
Response: 73897281
Conc: 10.03 ng/ml



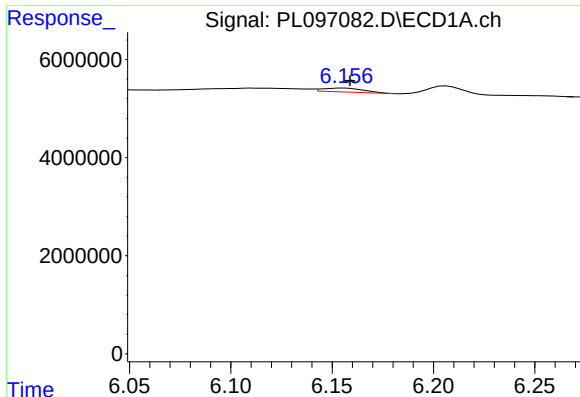
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.002 min
Response: 23977983
Conc: 10.48 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.003 min
Response: 33846825
Conc: 10.38 ng/ml



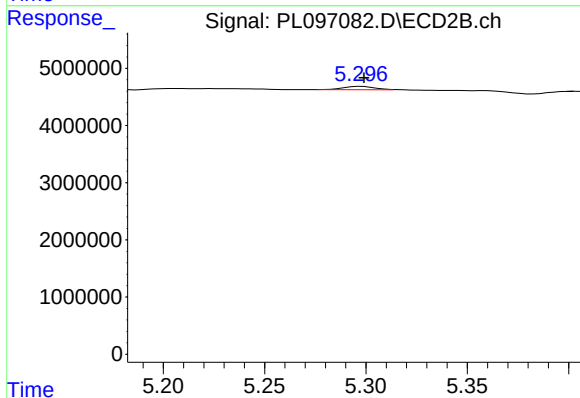
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: -0.003 min
Response: 1072193
Conc: 0.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

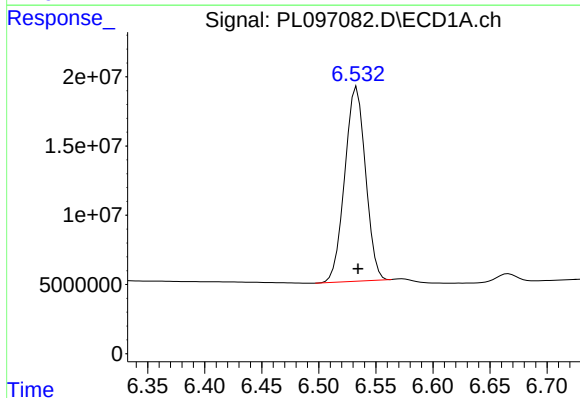
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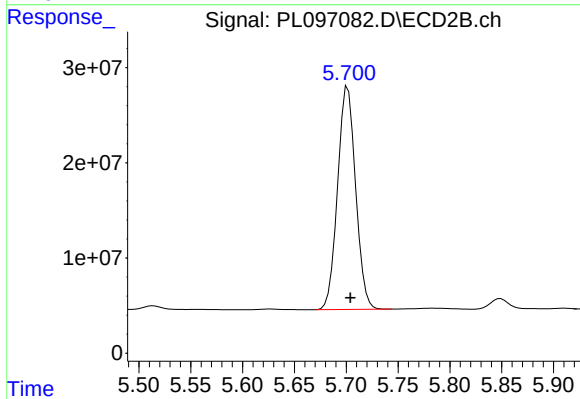
#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.003 min
Response: 654292
Conc: 0.11 ng/ml m



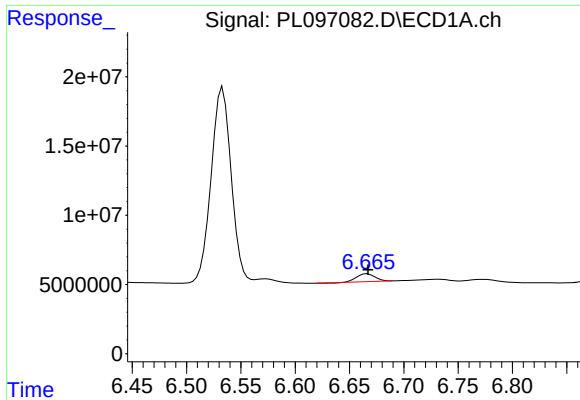
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.001 min
Response: 177525995
Conc: 47.40 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: -0.002 min
Response: 283868265
Conc: 48.05 ng/ml



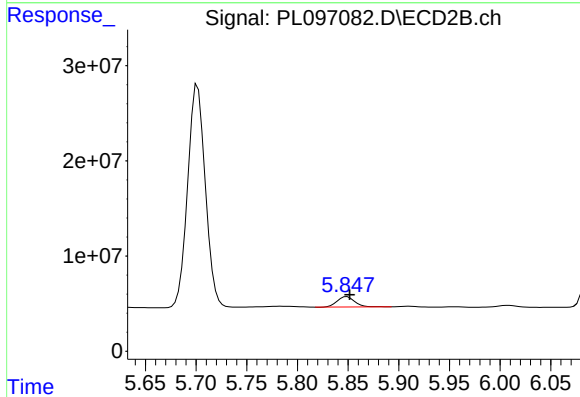
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 6485961
Conc: 2.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

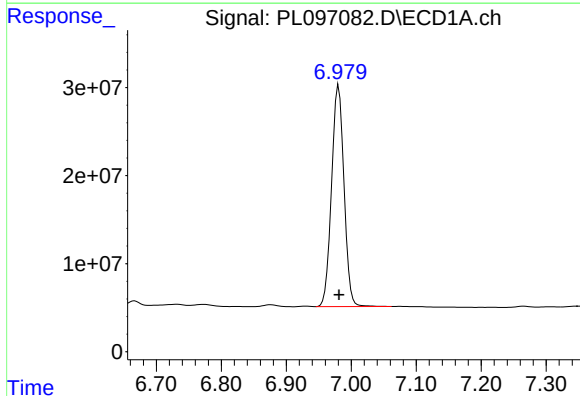
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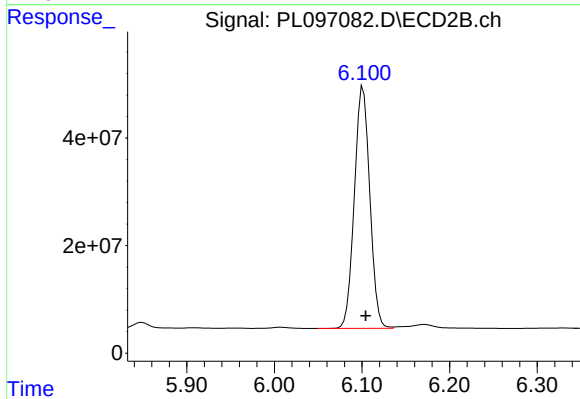
#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: -0.003 min
Response: 13182067
Conc: 2.52 ng/ml



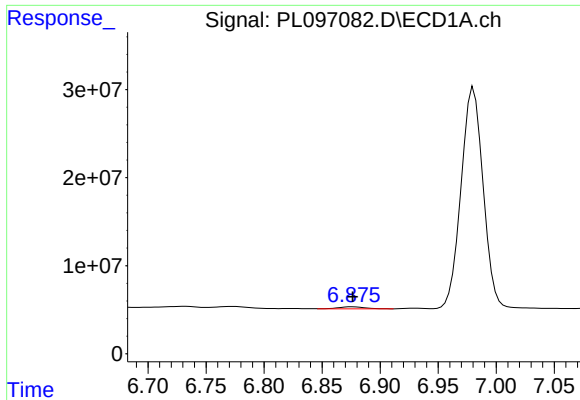
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: 0.000 min
Response: 333536589
Conc: 95.23 ng/ml



#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: -0.003 min
Response: 550099911
Conc: 100.43 ng/ml



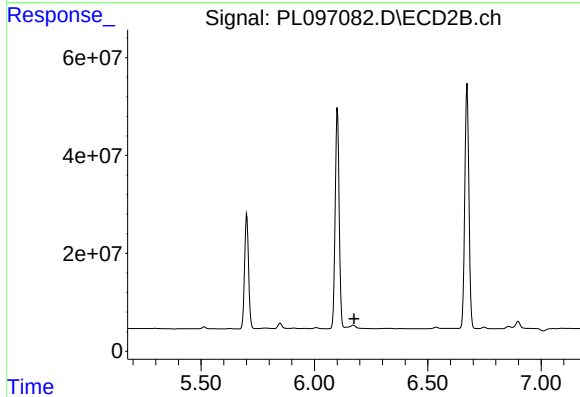
#18 Endrin aldehyde

R.T.: 6.875 min
Delta R.T.: -0.001 min
Response: 3476514
Conc: 1.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

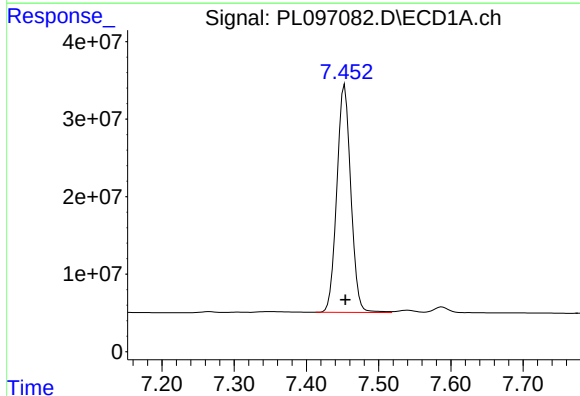
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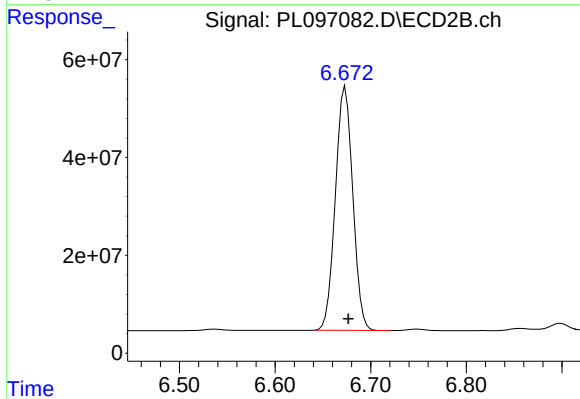
#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: -0.004 min
Response: 11093656
Conc: N.D.



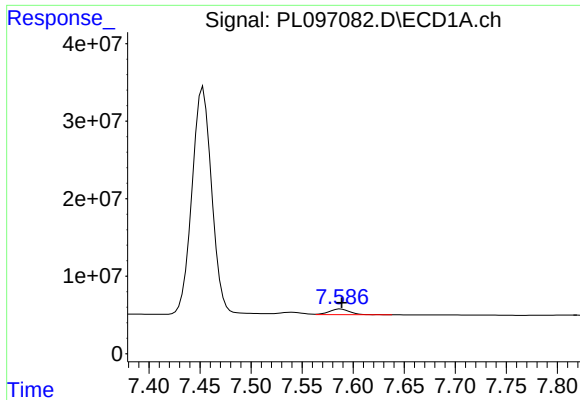
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: -0.001 min
Response: 394789687
Conc: 227.48 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.003 min
Response: 629844136
Conc: 209.96 ng/ml



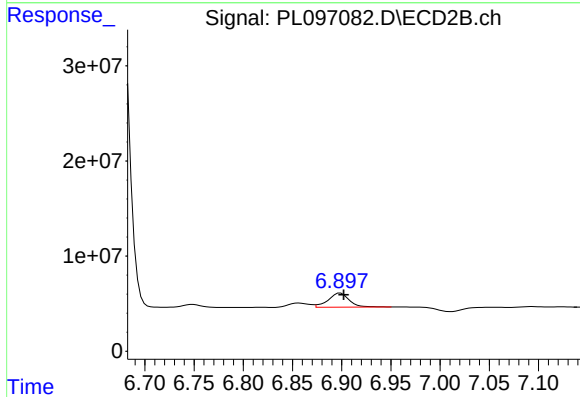
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.001 min
Response: 10115043
Conc: 2.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

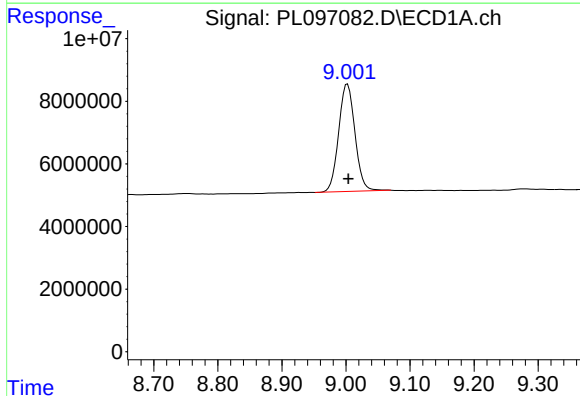
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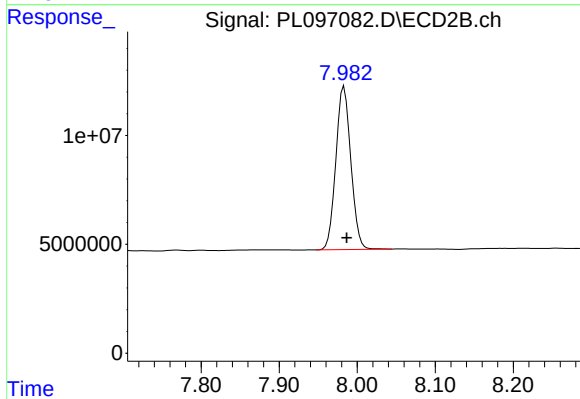
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: -0.003 min
Response: 21875784
Conc: 3.50 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.002 min
Response: 60746867
Conc: 20.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.003 min
Response: 99975091
Conc: 20.85 ng/ml