

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL100925\
 Data File : PL097580.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2025 09:49
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/10/2025
 Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 09 11:36:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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	93617449	126.5E6	22.964	20.789
28)	SA Decachlor...	8.994	7.979	73199696	105.4E6	24.616	20.306
Target Compounds							
2)	A alpha-BHC	3.971	3.327	66719203	90211530	9.891	9.143
3)	MA gamma-BHC...	4.299	3.658	65584185	85514773	10.318	9.308
6)	B beta-BHC	4.487	3.954	28514094	39041432	11.029	9.814
14)	MA Endrin	6.527	5.699	226.0E6	338.1E6	50.510	45.679
16)	A 4,4'-DDD	6.659	5.846	19252725	28139558	5.102m	4.411
17)	MA 4,4'-DDT	6.975	6.098	399.7E6	609.1E6	98.573	91.407
18)	B Endrin al...	6.870	6.170	3103474	9281800	0.947m	1.612 #
20)	A Methoxychlor	7.447	6.670	475.3E6	700.9E6	227.506	192.281
21)	B Endrin ke...	7.582	6.895	11471067	22256709	2.679	2.817

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

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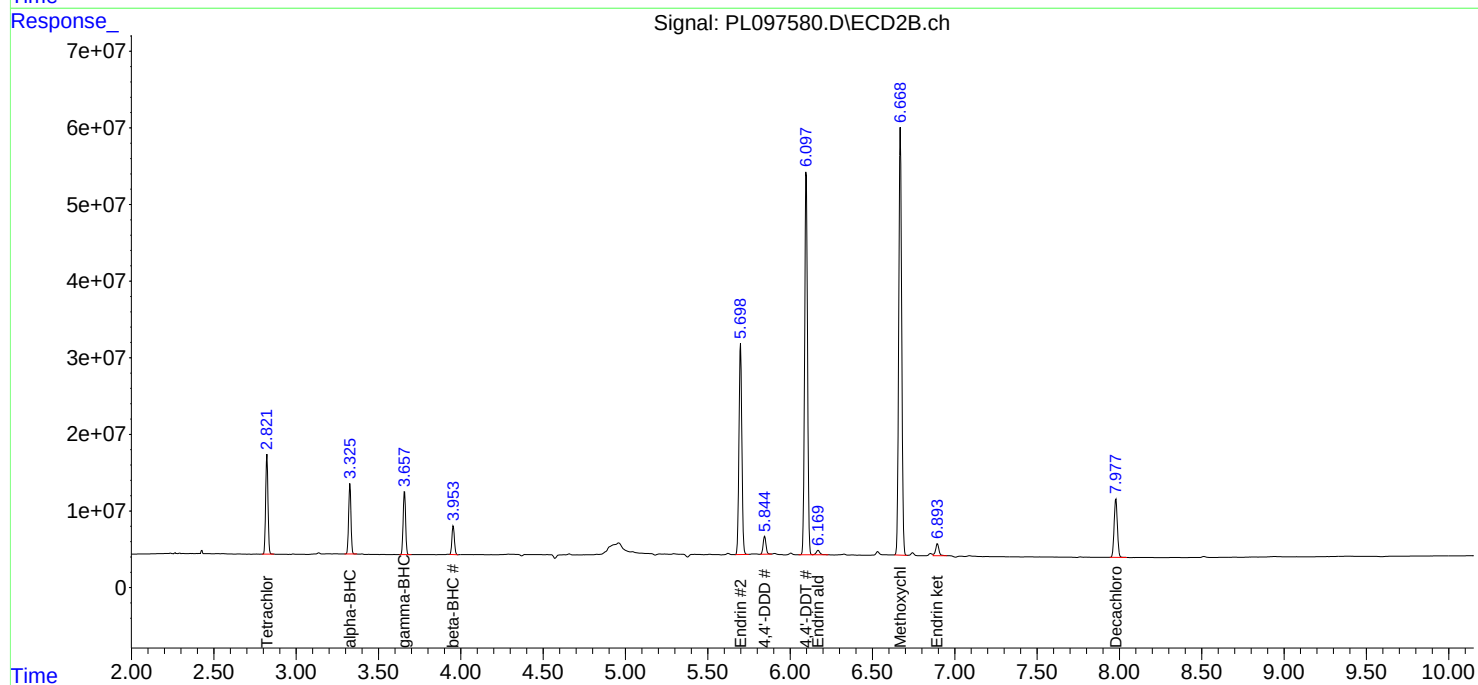
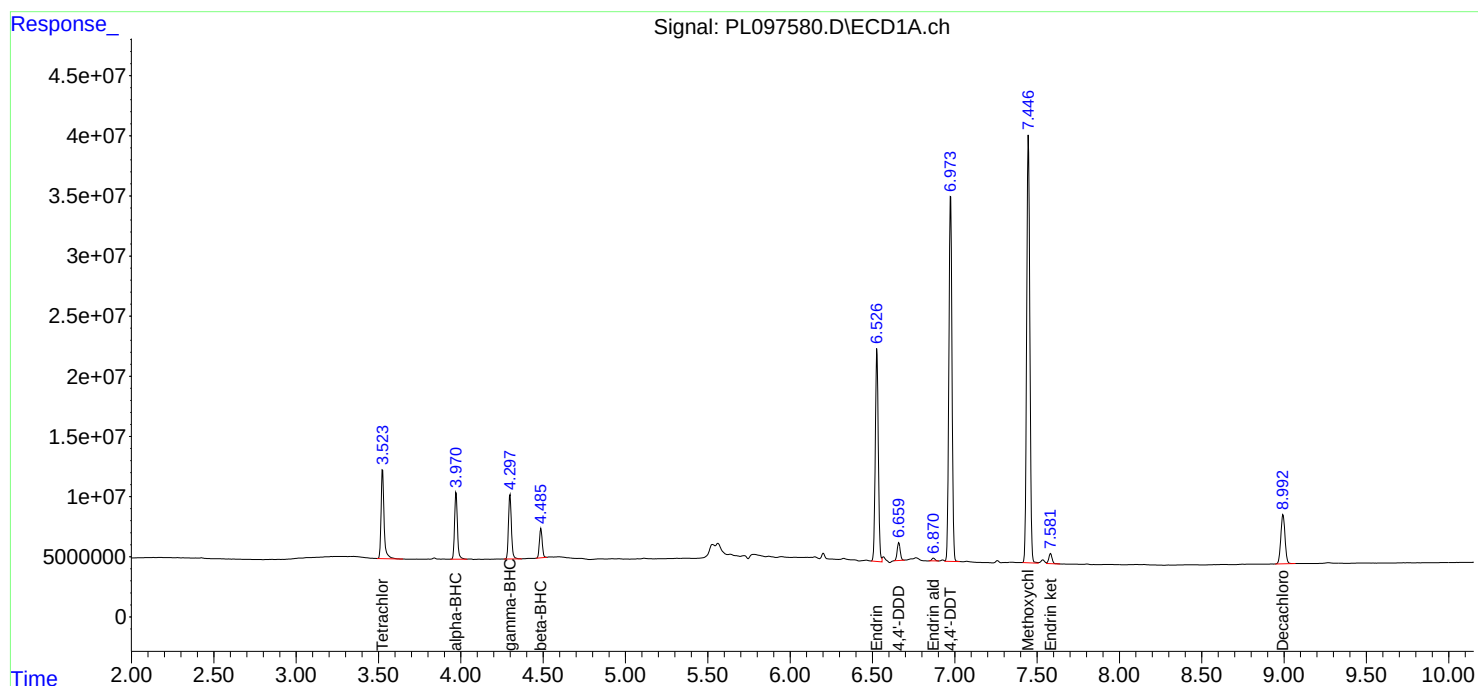
Instrument :
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ClientSampleId :
PEM

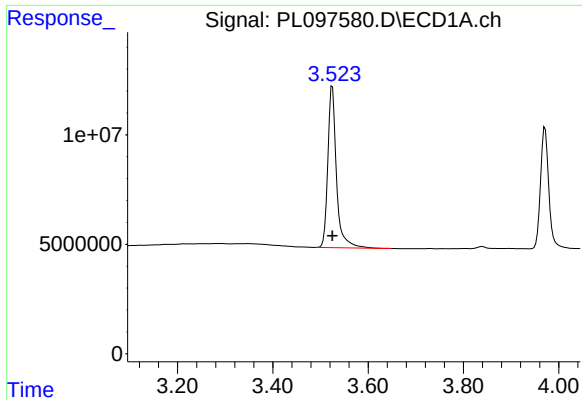
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Integration File signal 2: autoint2.e
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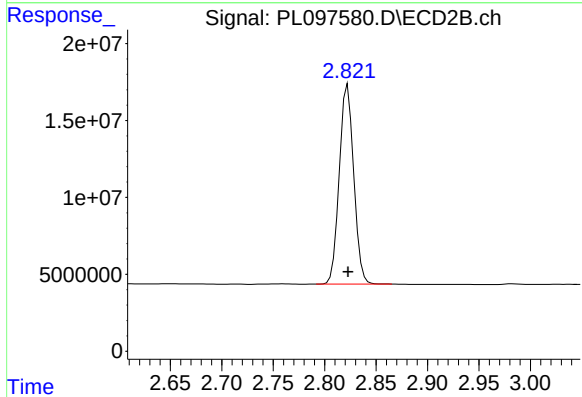
#1 Tetrachloro-m-xylene

R.T.: 3.525 min
Delta R.T.: 0.000 min
Response: 93617449
Conc: 22.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

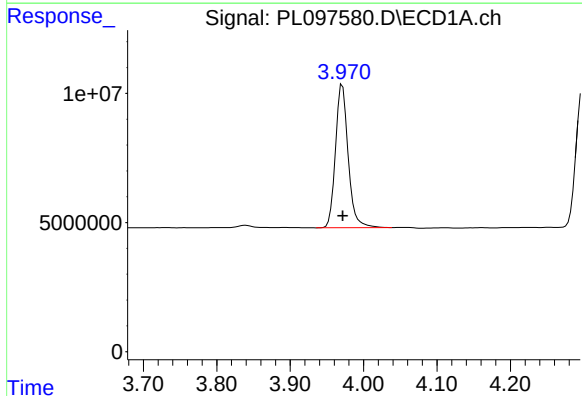
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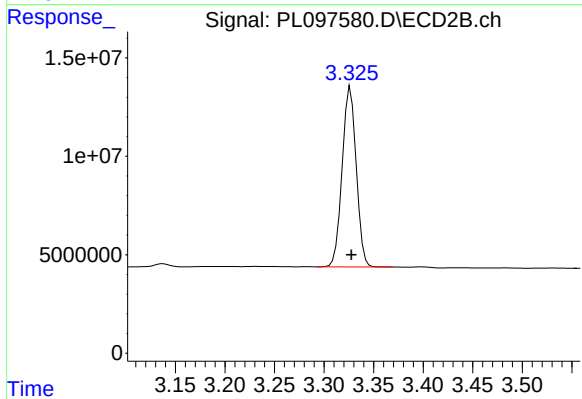
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: 0.000 min
Response: 126531404
Conc: 20.79 ng/ml



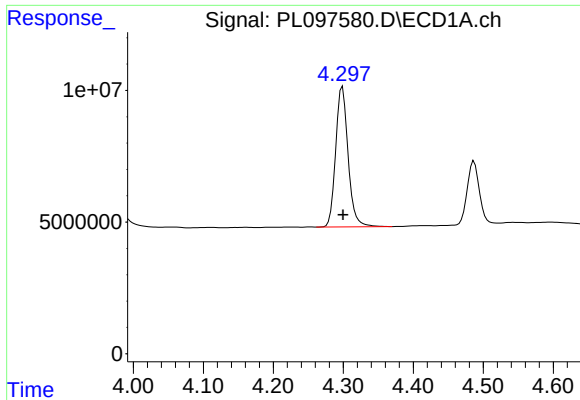
#2 alpha-BHC

R.T.: 3.971 min
Delta R.T.: 0.000 min
Response: 66719203
Conc: 9.89 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: 0.000 min
Response: 90211530
Conc: 9.14 ng/ml



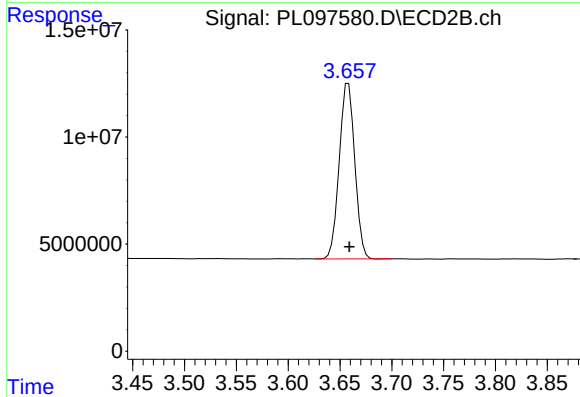
#3 gamma-BHC (Lindane)

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 65584185
Conc: 10.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

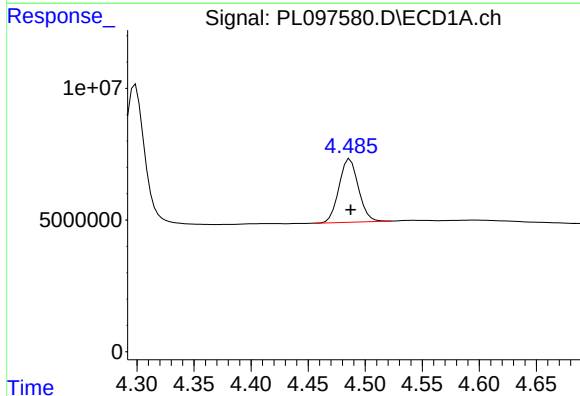
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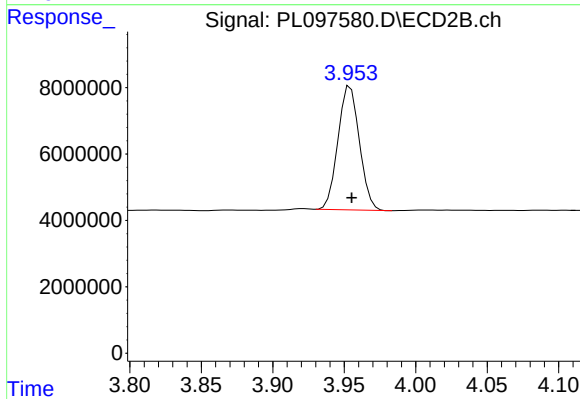
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: 0.000 min
Response: 85514773
Conc: 9.31 ng/ml



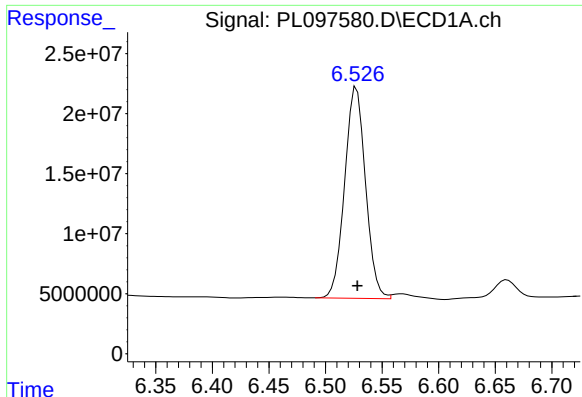
#6 beta-BHC

R.T.: 4.487 min
Delta R.T.: 0.000 min
Response: 28514094
Conc: 11.03 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: 0.000 min
Response: 39041432
Conc: 9.81 ng/ml



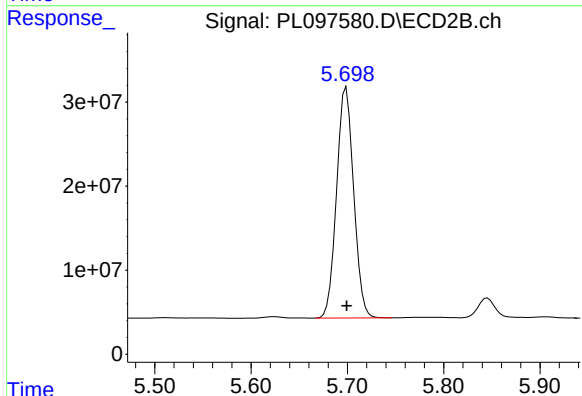
#14 Endrin

R.T.: 6.527 min
Delta R.T.: 0.000 min
Response: 225999351
Conc: 50.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

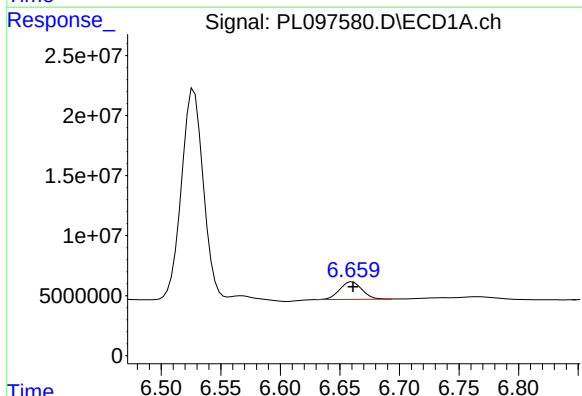
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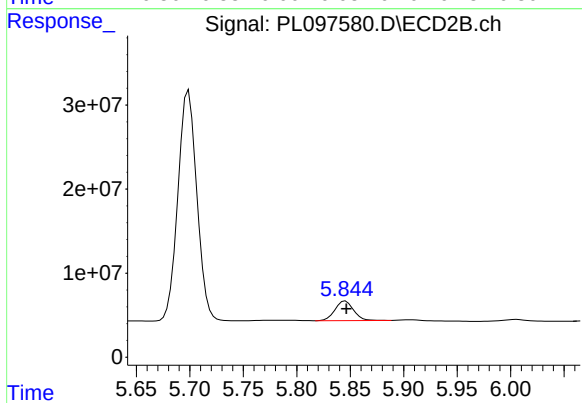
#14 Endrin

R.T.: 5.699 min
Delta R.T.: 0.000 min
Response: 338092675
Conc: 45.68 ng/ml



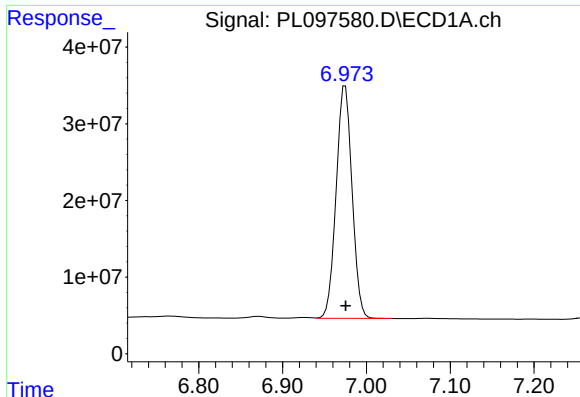
#16 4,4'-DDD

R.T.: 6.659 min
Delta R.T.: -0.002 min
Response: 19252725
Conc: 5.10 ng/ml m



#16 4,4'-DDD

R.T.: 5.846 min
Delta R.T.: 0.000 min
Response: 28139558
Conc: 4.41 ng/ml



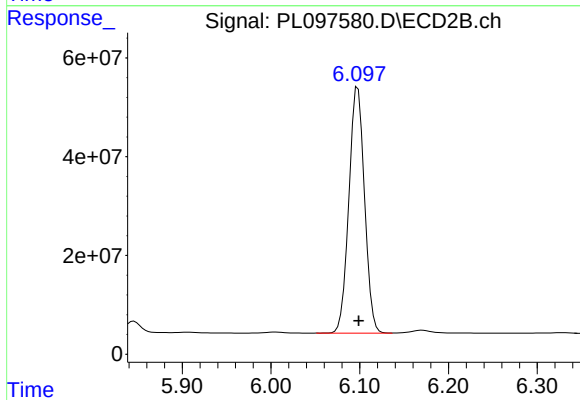
#17 4,4'-DDT

R.T.: 6.975 min
Delta R.T.: 0.000 min
Response: 399683262
Conc: 98.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

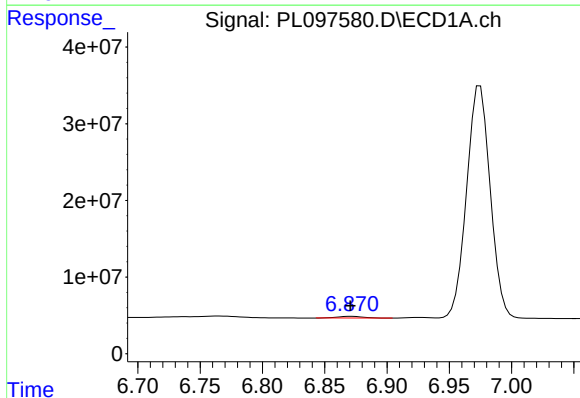
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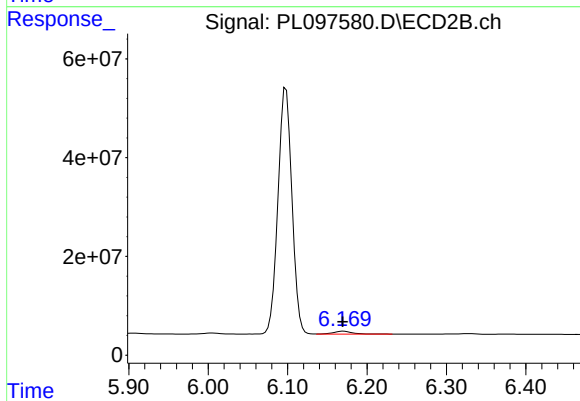
#17 4,4'-DDT

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 609084020
Conc: 91.41 ng/ml



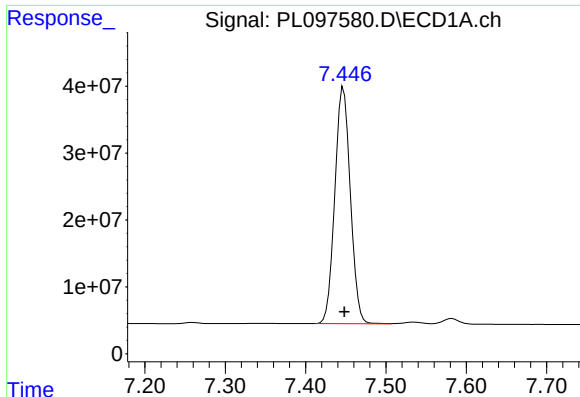
#18 Endrin aldehyde

R.T.: 6.870 min
Delta R.T.: -0.001 min
Response: 3103474
Conc: 0.95 ng/ml m



#18 Endrin aldehyde

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 9281800
Conc: 1.61 ng/ml



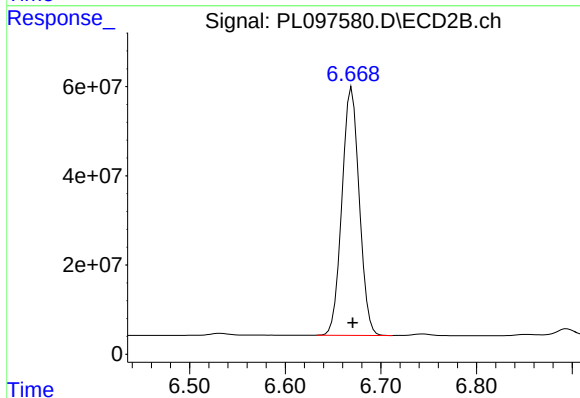
#20 Methoxychlor

R.T.: 7.447 min
Delta R.T.: -0.001 min
Response: 475260782
Conc: 227.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

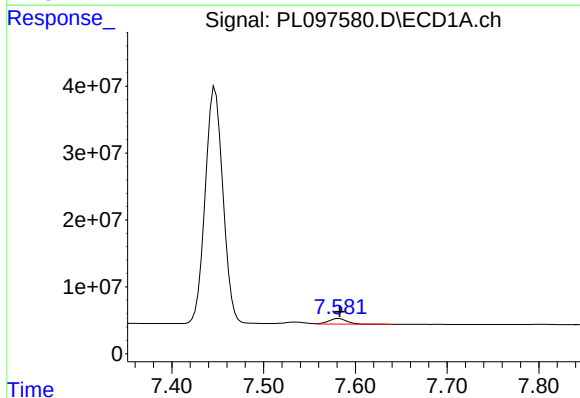
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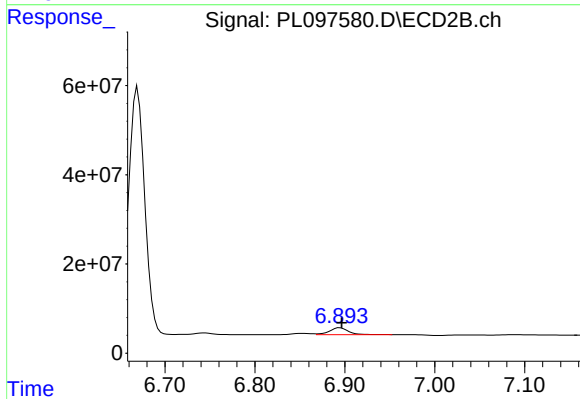
#20 Methoxychlor

R.T.: 6.670 min
Delta R.T.: -0.001 min
Response: 700907718
Conc: 192.28 ng/ml



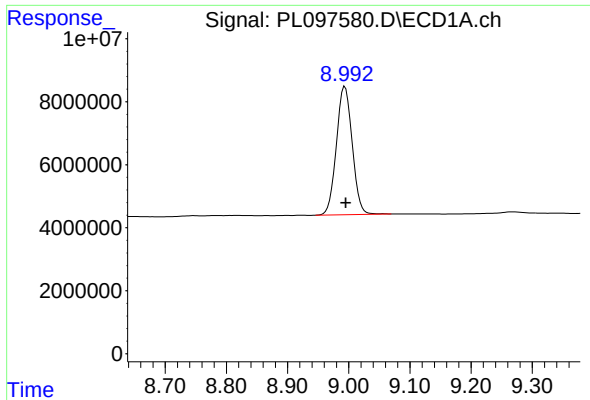
#21 Endrin ketone

R.T.: 7.582 min
Delta R.T.: 0.000 min
Response: 11471067
Conc: 2.68 ng/ml



#21 Endrin ketone

R.T.: 6.895 min
Delta R.T.: -0.002 min
Response: 22256709
Conc: 2.82 ng/ml



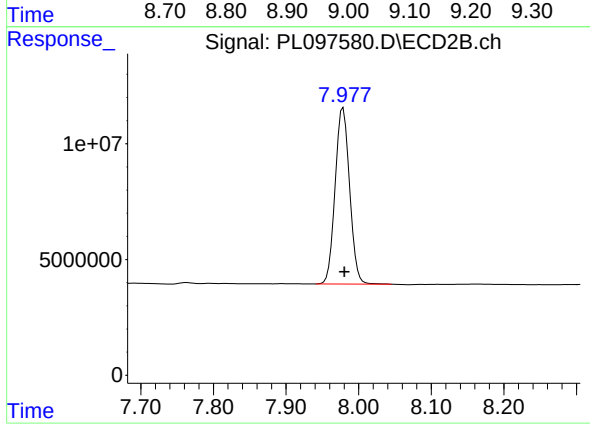
#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.002 min
Response: 73199696
Conc: 24.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.979 min
Delta R.T.: -0.002 min
Response: 105370507
Conc: 20.31 ng/ml