

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097340.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 20:55
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/23/2025
 Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:49:10 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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	2.824	83095318	118.7E6	18.355	18.056
28)	SA Decachlor...	9.000	7.984	61292884	98676908	18.731	17.337
Target Compounds							
2)	A alpha-BHC	3.974	3.329	60697471	85662634	8.687	8.603
3)	MA gamma-BHC...	4.302	3.661	58558042	81230119	8.855	8.721
6)	B beta-BHC	4.490	3.957	25643491	37511854	9.406	9.235
14)	MA Endrin	6.531	5.702	197.5E6	317.1E6	42.817	42.225
16)	A 4,4'-DDD	6.665	5.849	16585764	27649893	4.399	4.287
17)	MA 4,4'-DDT	6.979	6.102	344.1E6	573.8E6	81.392	82.919
18)	B Endrin al...	6.874	6.173	2701989	13823352	0.876m	2.590 #
20)	A Methoxychlor	7.452	6.674	411.2E6	661.6E6	197.174	175.527
21)	B Endrin ke...	7.586	6.899	10340978	22323757	2.436	2.965

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

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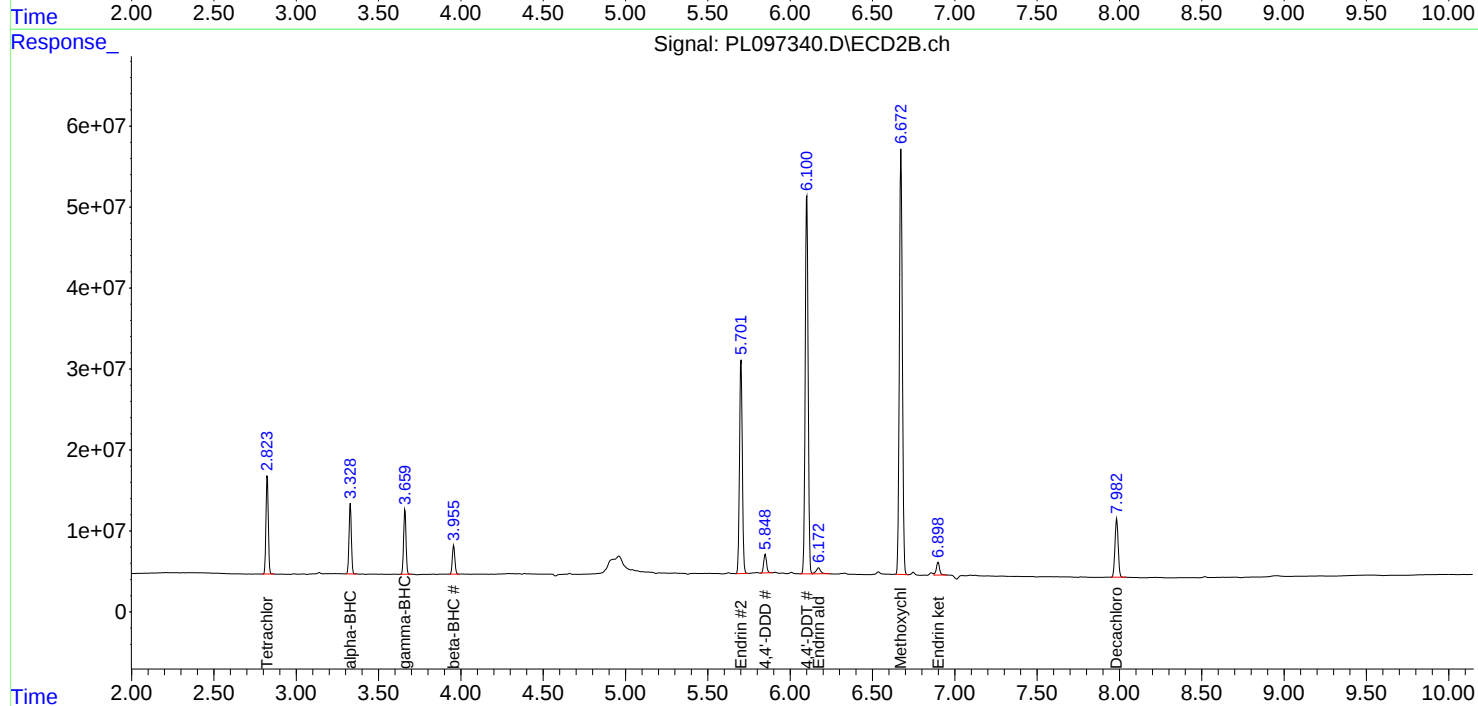
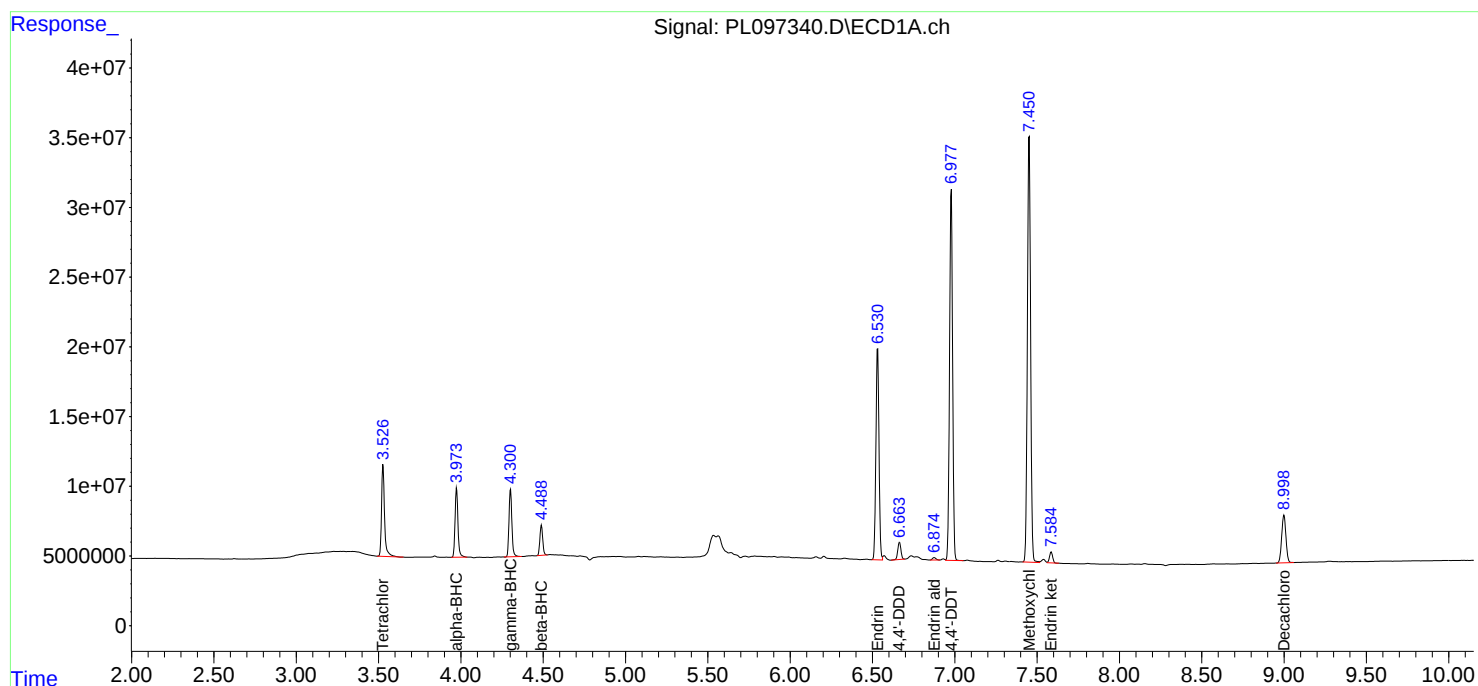
Instrument :
ECD_L
ClientSampleId :
PEM

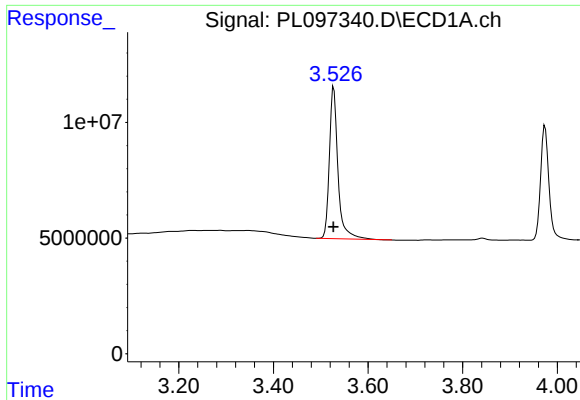
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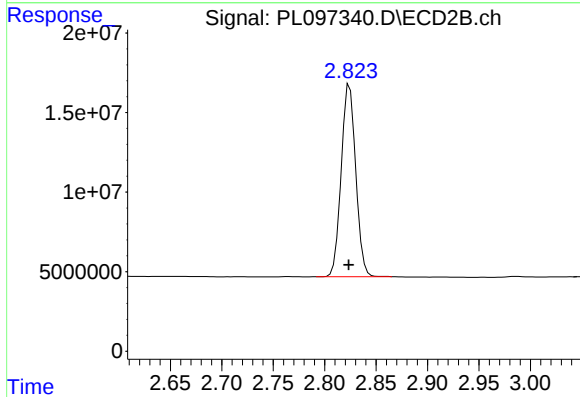
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: 0.000 min
Response: 83095318
Conc: 18.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

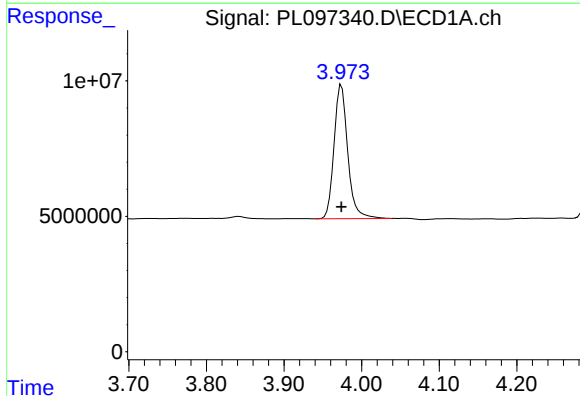
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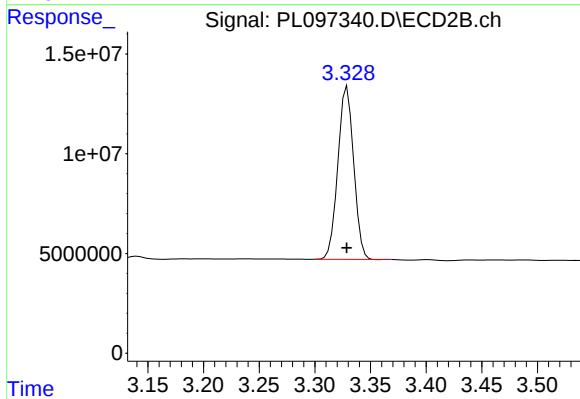
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 118728847
Conc: 18.06 ng/ml



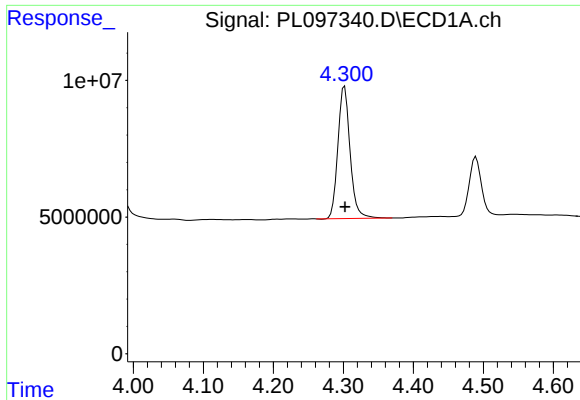
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 60697471
Conc: 8.69 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: 0.000 min
Response: 85662634
Conc: 8.60 ng/ml



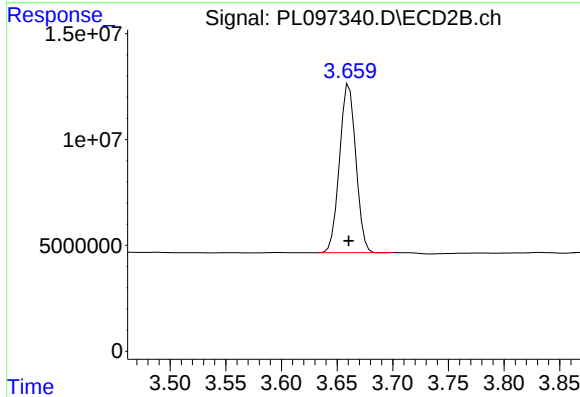
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 58558042
Conc: 8.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

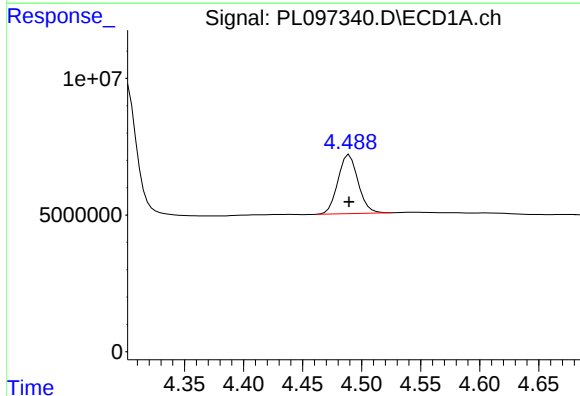
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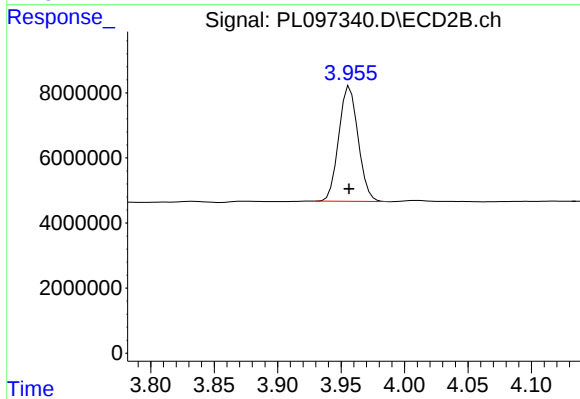
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 81230119
Conc: 8.72 ng/ml



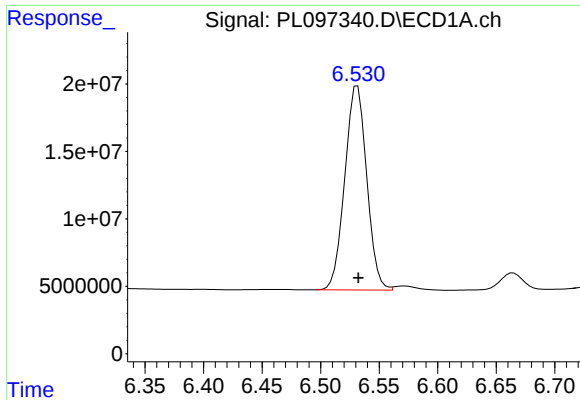
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: 0.000 min
Response: 25643491
Conc: 9.41 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 37511854
Conc: 9.23 ng/ml



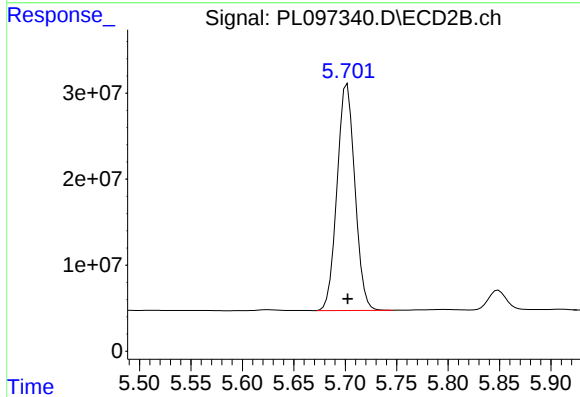
#14 Endrin

R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 197522792
Conc: 42.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

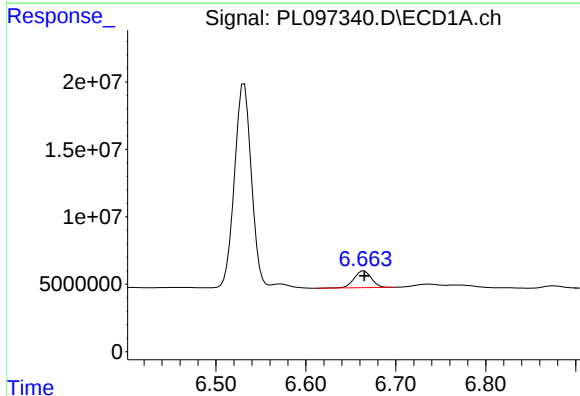
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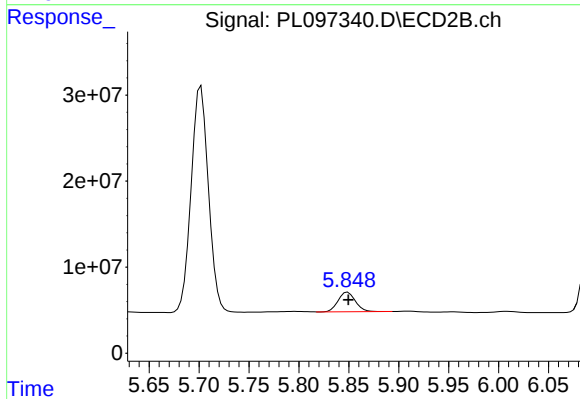
#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 317134945
Conc: 42.23 ng/ml



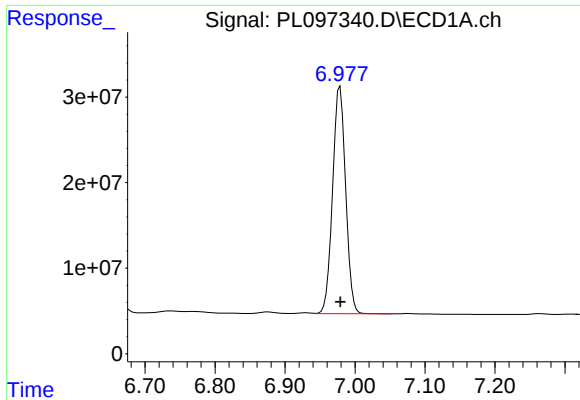
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: 0.000 min
Response: 16585764
Conc: 4.40 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 27649893
Conc: 4.29 ng/ml



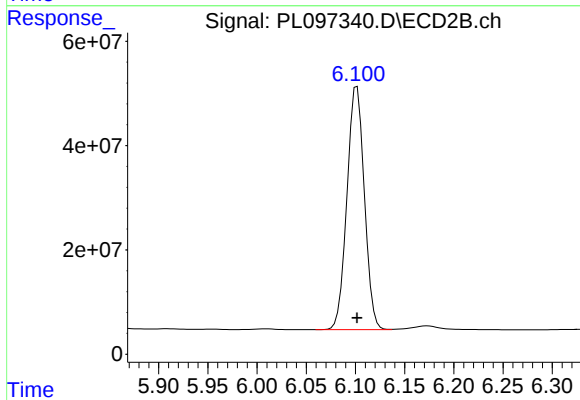
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 344059391
Conc: 81.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

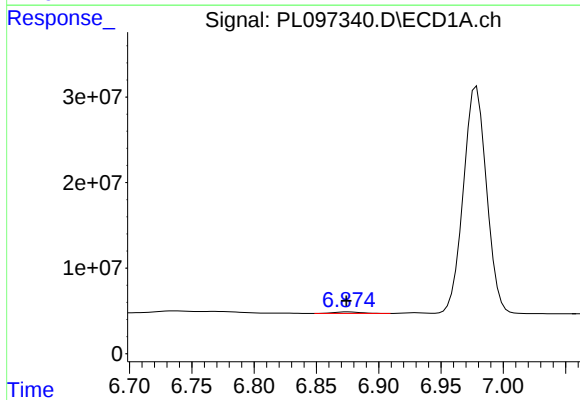
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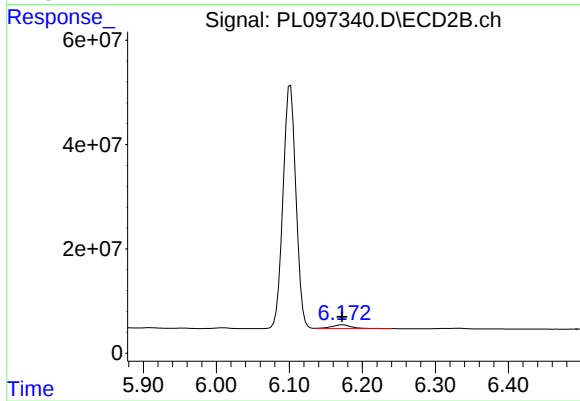
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 573838234
Conc: 82.92 ng/ml



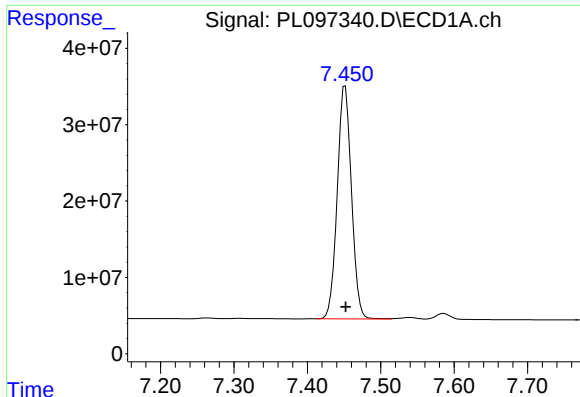
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 2701989
Conc: 0.88 ng/ml m



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 13823352
Conc: 2.59 ng/ml



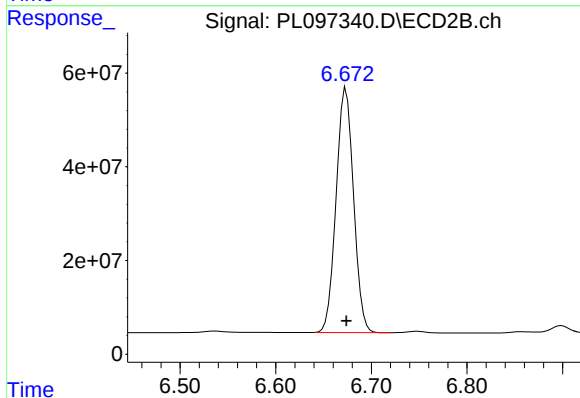
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 411182805
Conc: 197.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

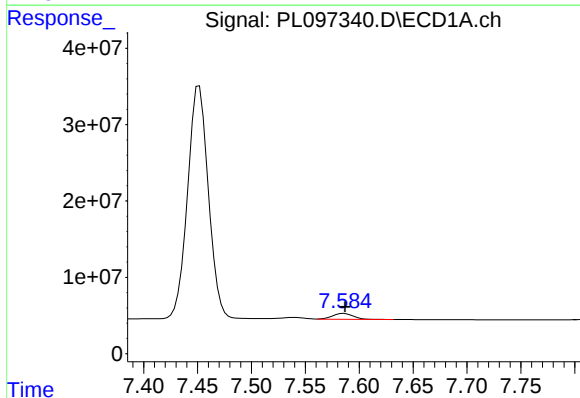
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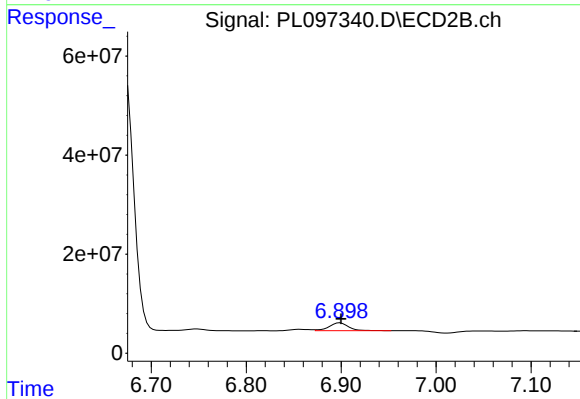
#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 661644668
Conc: 175.53 ng/ml



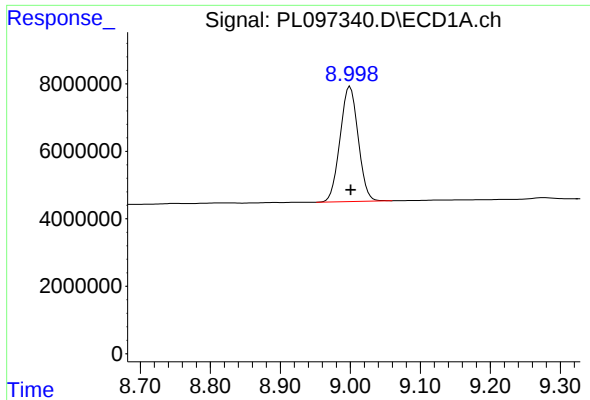
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: -0.001 min
Response: 10340978
Conc: 2.44 ng/ml



#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 22323757
Conc: 2.96 ng/ml



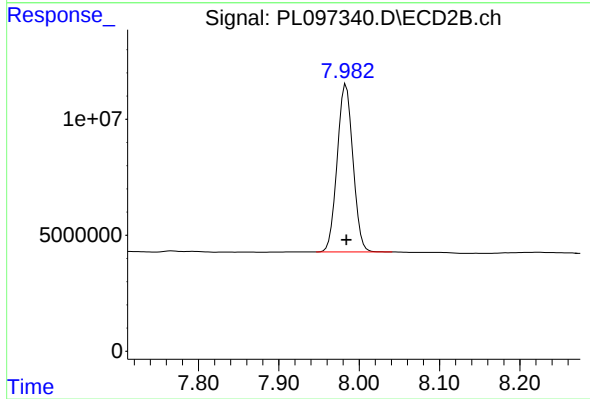
#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: -0.001 min
Response: 61292884
Conc: 18.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 98676908
Conc: 17.34 ng/ml