

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092325\
 Data File : PL097358.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 09:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/24/2025
 Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 24 01:26:00 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...	3.527	2.824	88546646	122.3E6	19.559	18.594
28)	SA Decachlor...	9.000	7.983	65069354	103.2E6	19.885	18.140
Target Compounds							
2)	A alpha-BHC	3.974	3.328	63757976	88195831	9.125	8.857
3)	MA gamma-BHC...	4.302	3.660	62033294	83769301	9.380	8.993
6)	B beta-BHC	4.489	3.956	26052455	38395150	9.556	9.452
12)	B 4,4'-DDE	6.153	5.297	1821811	855419	0.382m	0.111m#
14)	MA Endrin	6.531	5.702	204.0E6	314.6E6	44.212	41.888
16)	A 4,4'-DDD	6.664	5.849	25716618	40045732	6.820	6.210
17)	MA 4,4'-DDT	6.979	6.101	344.7E6	554.9E6	81.542	80.183
18)	B Endrin al...	6.874	6.173	3317697	12840139	1.076m	2.406 #
20)	A Methoxychlor	7.452	6.673	413.9E6	650.7E6	198.487	172.634
21)	B Endrin ke...	7.586	6.899	14520295	27993583	3.421	3.717

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

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Acq On : 23 Sep 2025 09:29
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Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

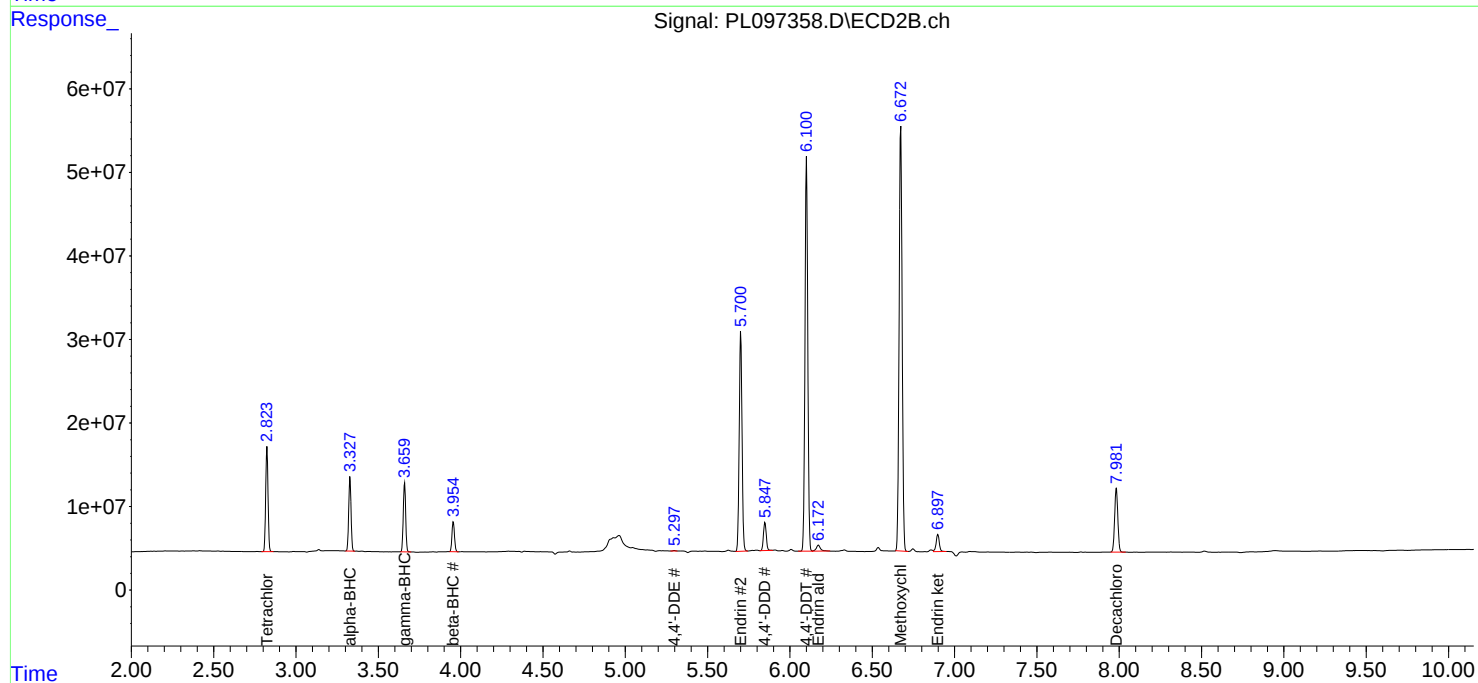
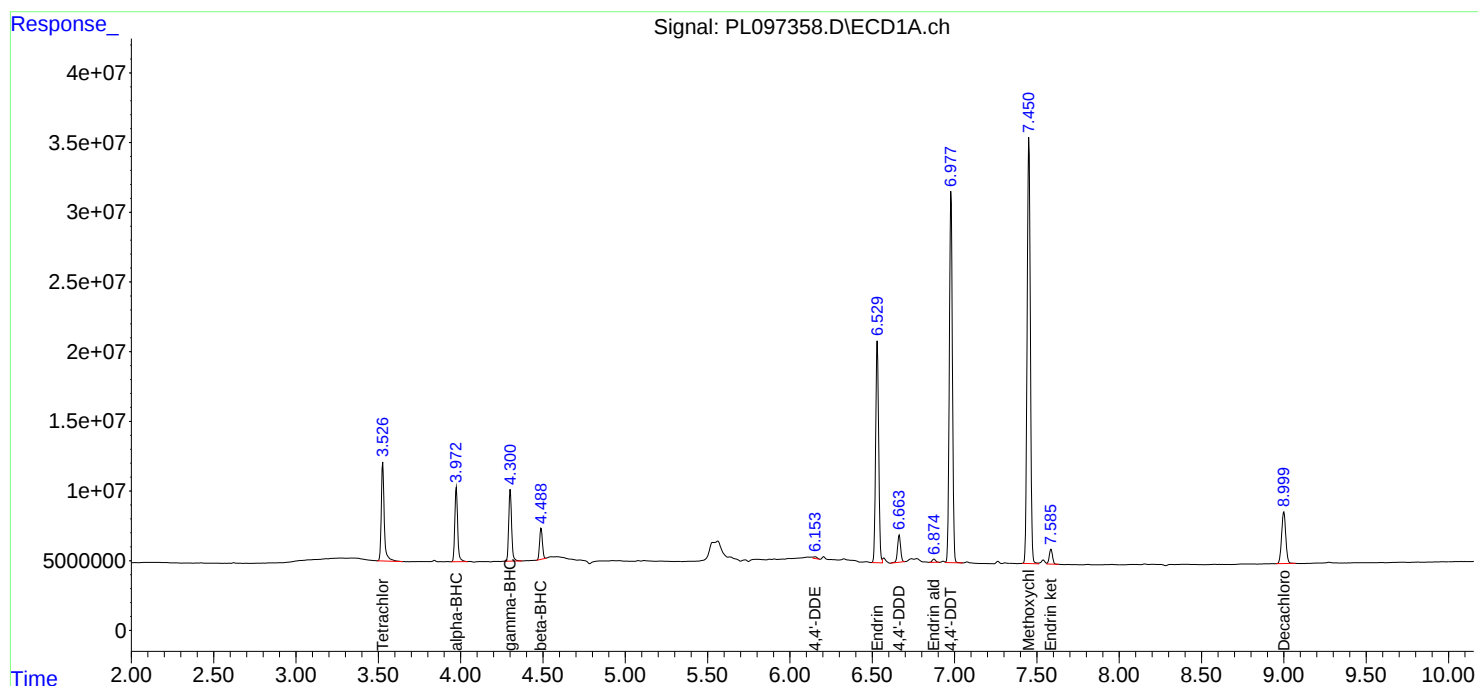
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ECD_L
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PEM

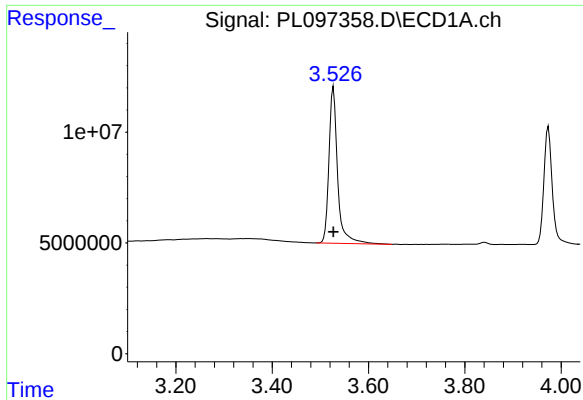
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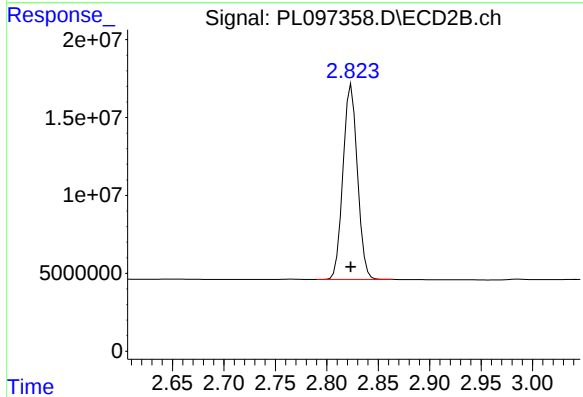
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 88546646
Conc: 19.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

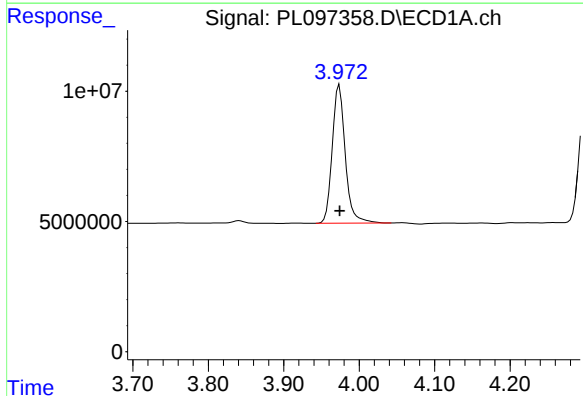
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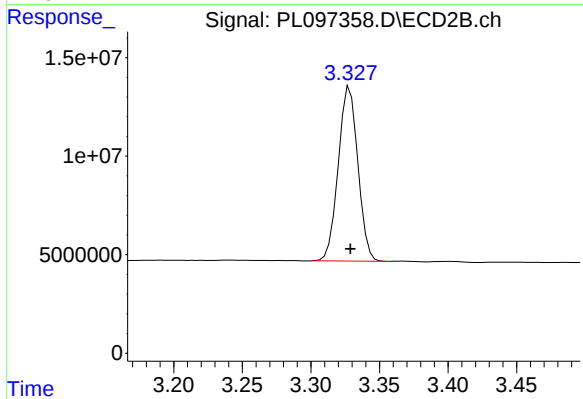
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 122264328
Conc: 18.59 ng/ml



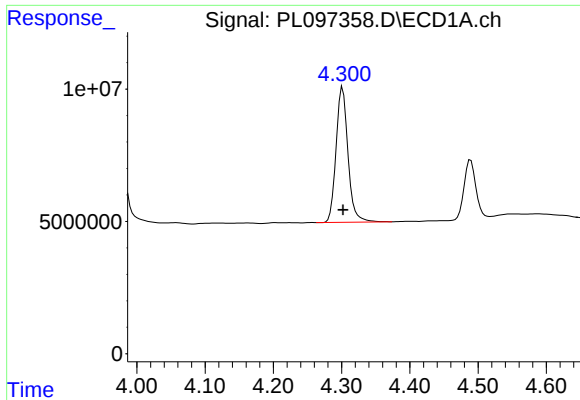
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 63757976
Conc: 9.12 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 88195831
Conc: 8.86 ng/ml



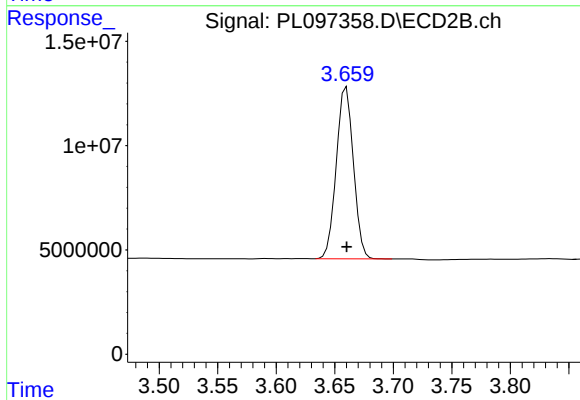
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 62033294
Conc: 9.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

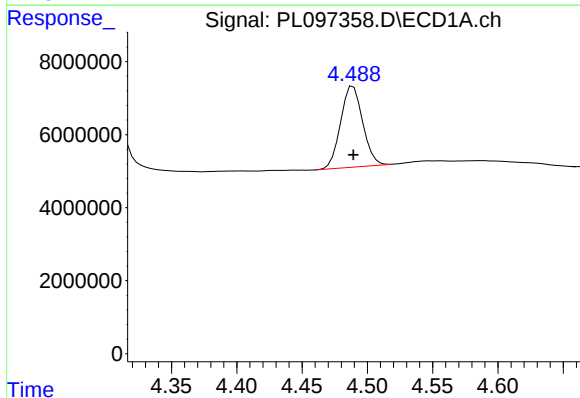
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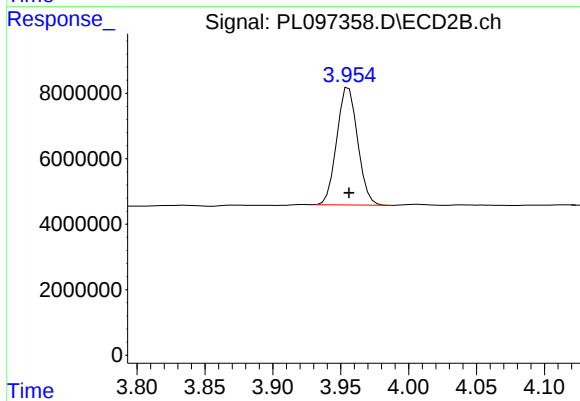
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 83769301
Conc: 8.99 ng/ml



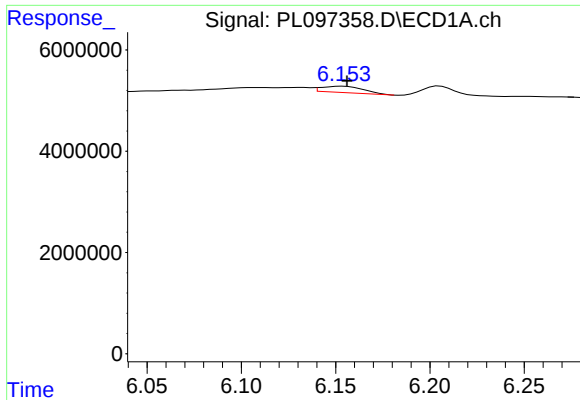
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 26052455
Conc: 9.56 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 38395150
Conc: 9.45 ng/ml



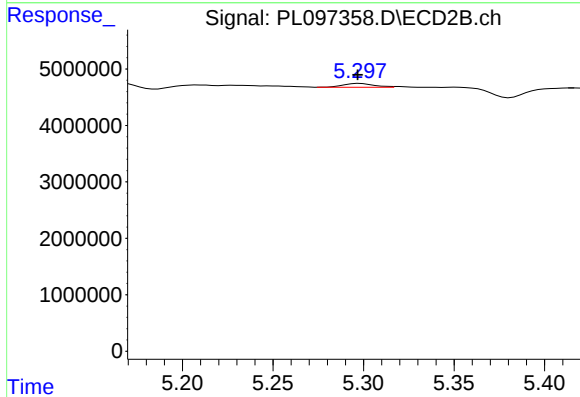
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: -0.003 min
Response: 1821811
Conc: 0.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
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#12 4,4'-DDE

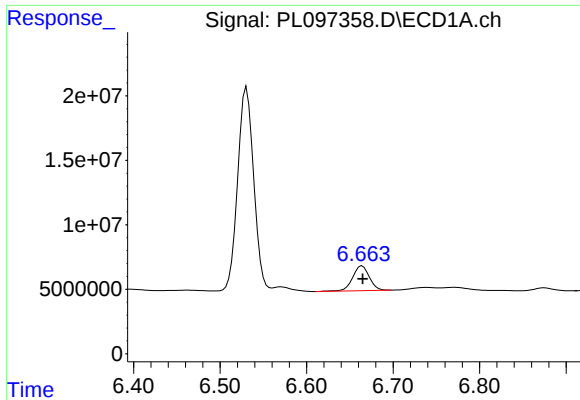
R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 855419
Conc: 0.11 ng/ml m

#14 Endrin

R.T.: 6.531 min
Delta R.T.: -0.002 min
Response: 203955414
Conc: 44.21 ng/ml

#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 314600409
Conc: 41.89 ng/ml



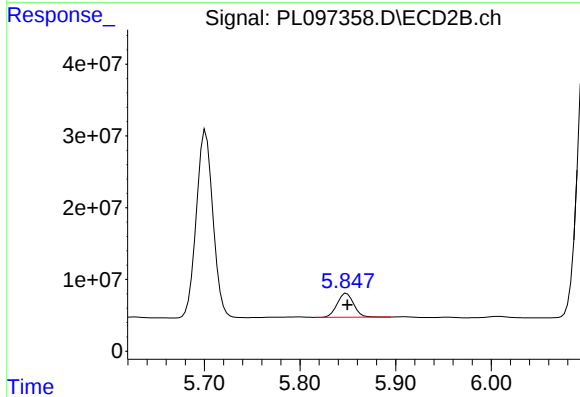
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 25716618
Conc: 6.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

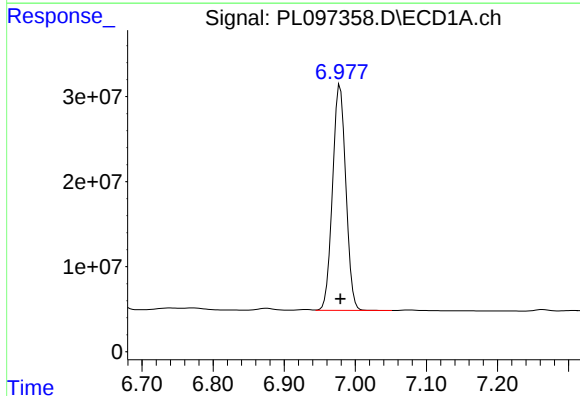
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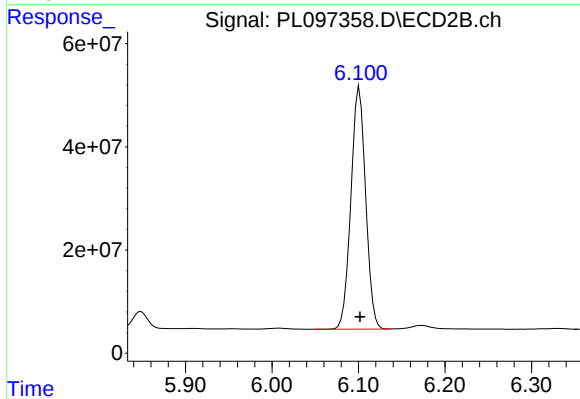
#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 40045732
Conc: 6.21 ng/ml



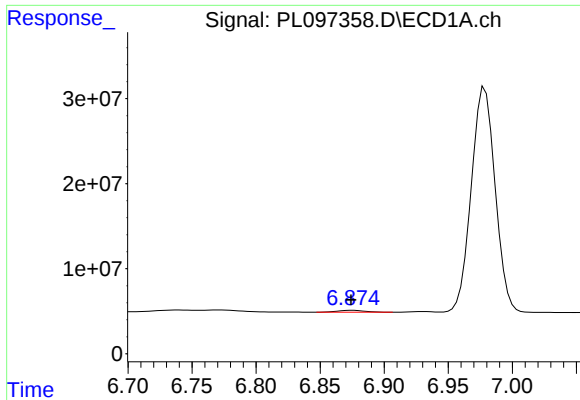
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 344694710
Conc: 81.54 ng/ml



#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 554908257
Conc: 80.18 ng/ml



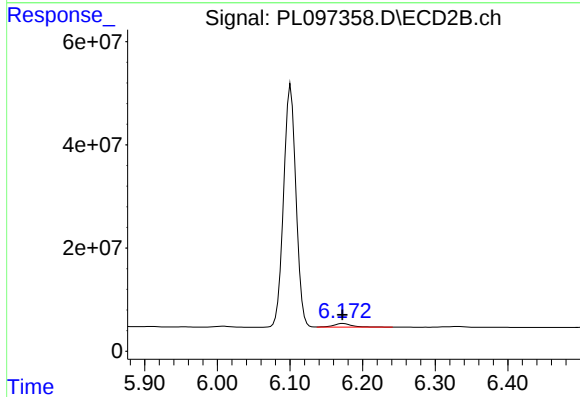
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 3317697
Conc: 1.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

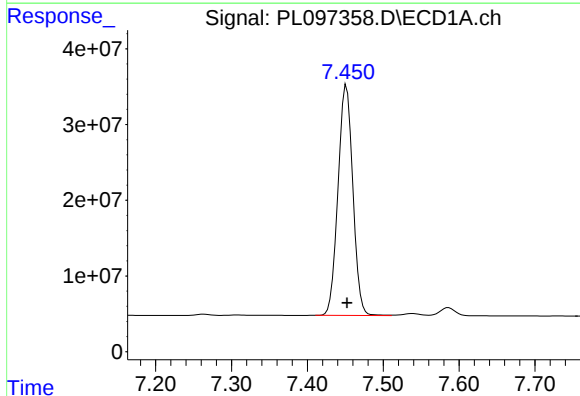
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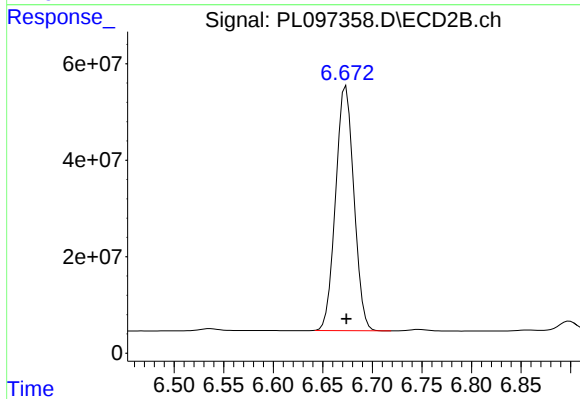
#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 12840139
Conc: 2.41 ng/ml



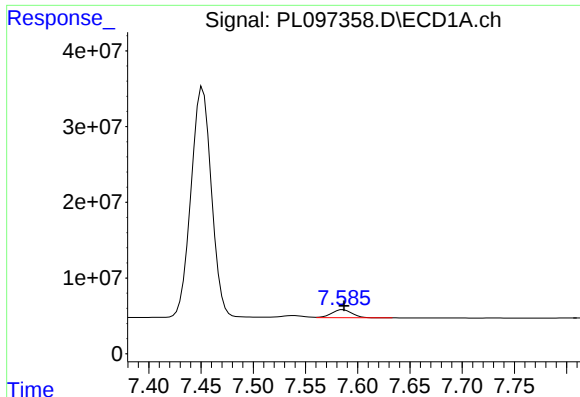
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 413919087
Conc: 198.49 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 650738594
Conc: 172.63 ng/ml



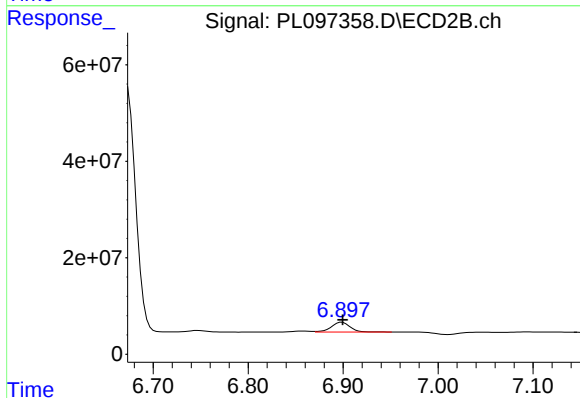
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: 0.000 min
Response: 14520295
Conc: 3.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

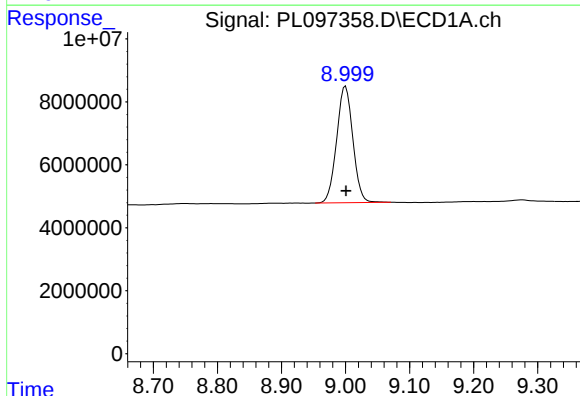
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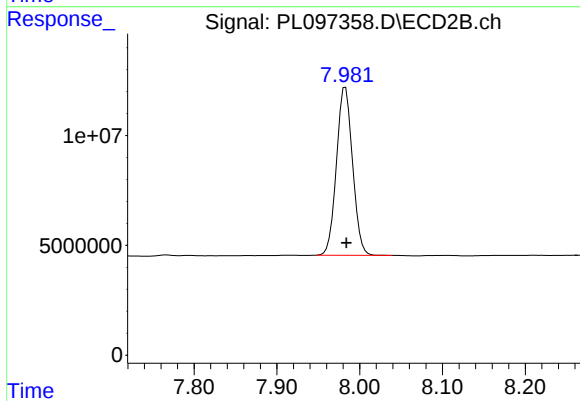
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 27993583
Conc: 3.72 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.000 min
Delta R.T.: 0.000 min
Response: 65069354
Conc: 19.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: -0.001 min
Response: 103247716
Conc: 18.14 ng/ml