

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 11:20
 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 01:45:56 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	79301035	116.9E6	17.517	17.780
28)	SA Decachlor...	8.999	7.982	61113780	95442246	18.677	16.769
Target Compounds							
2)	A alpha-BHC	3.974	3.328	59728278	84100216	8.548	8.446
3)	MA gamma-BHC...	4.301	3.660	57729518	80052449	8.730	8.594
6)	B beta-BHC	4.489	3.956	25610468	37189948	9.394	9.155
14)	MA Endrin	6.530	5.701	194.4E6	315.9E6	42.131	42.059
16)	A 4,4'-DDD	6.664	5.849	9359056	15979610	2.482	2.478
17)	MA 4,4'-DDT	6.978	6.100	354.8E6	590.1E6	83.938	85.274
18)	B Endrin al...	6.874	6.171	2149412	14279473	0.697m	2.675 #
20)	A Methoxychlor	7.451	6.673	425.7E6	665.8E6	204.115	176.621
21)	B Endrin ke...	7.585	6.898	6376897	13364872	1.502	1.775

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

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Acq On : 22 Sep 2025 11:20
Operator : AR\AJ
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Misc :
ALS Vial : 3 Sample Multiplier: 1

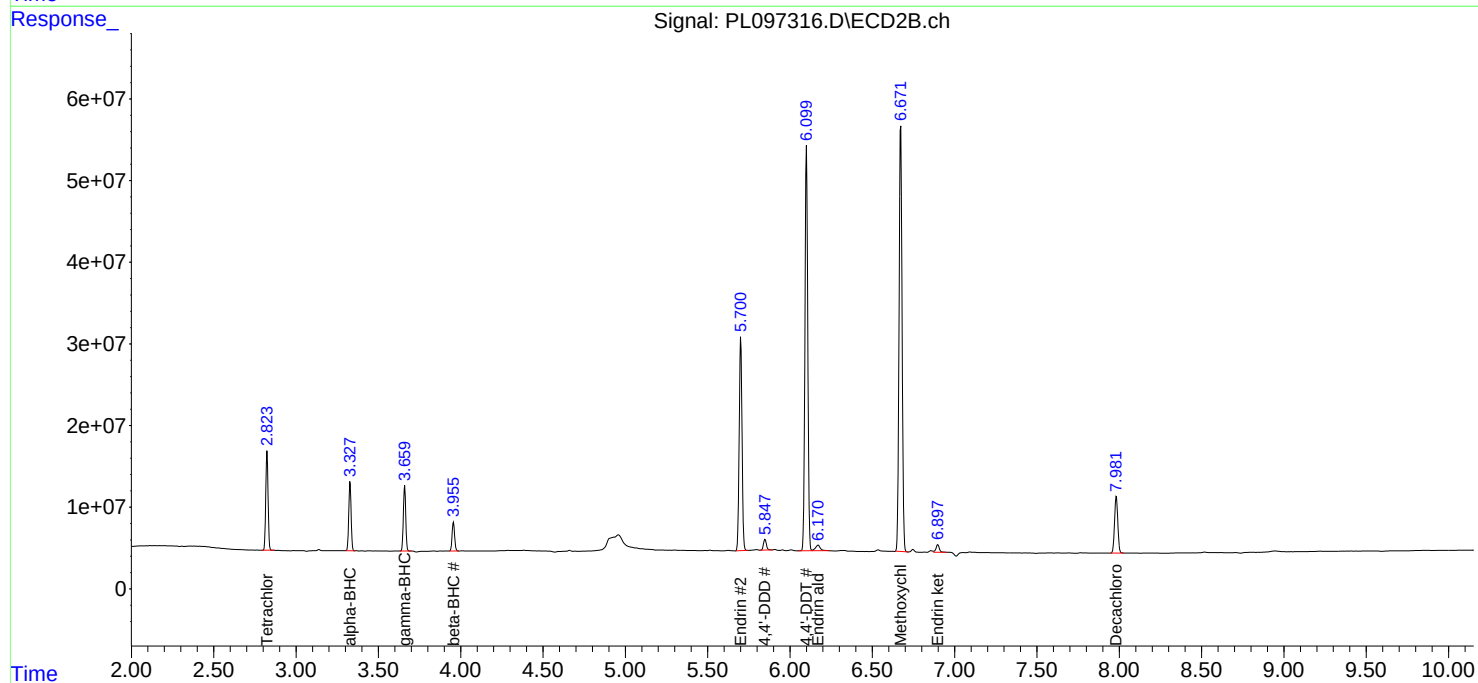
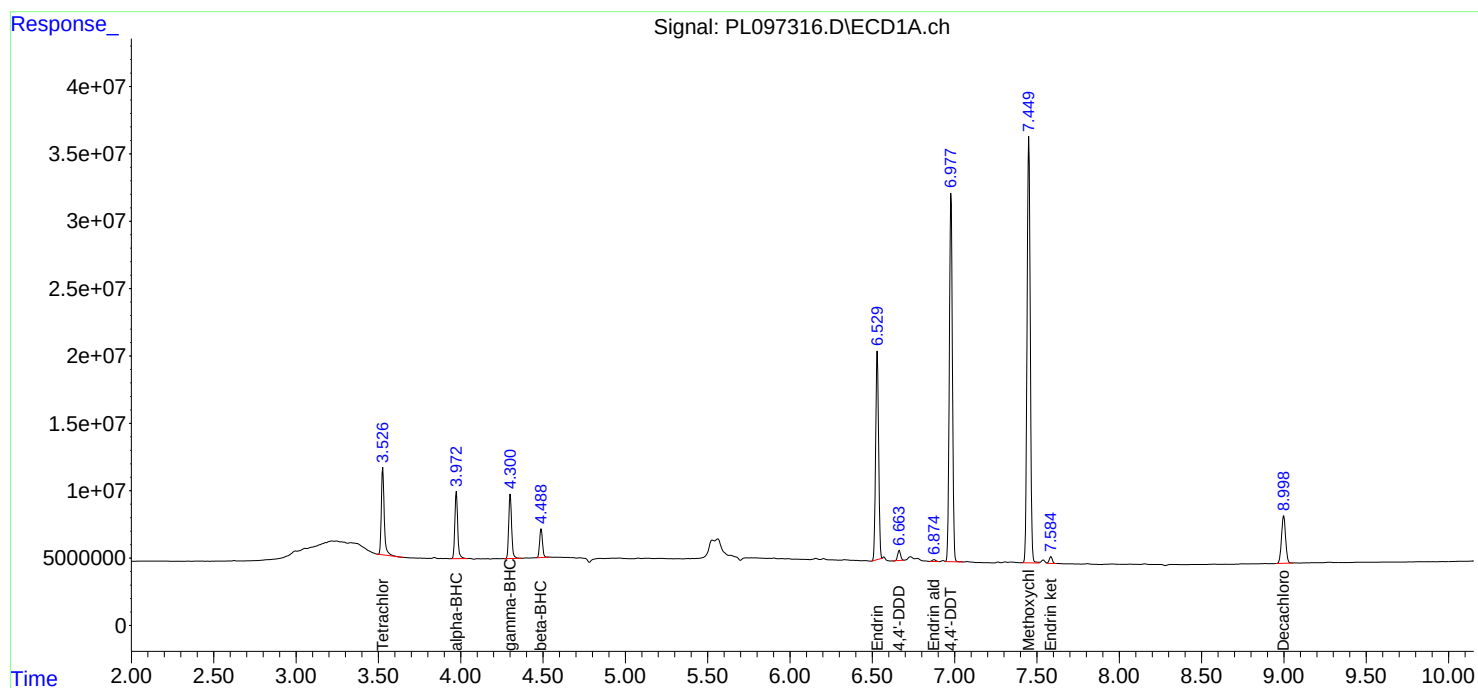
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ECD_L
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PEM

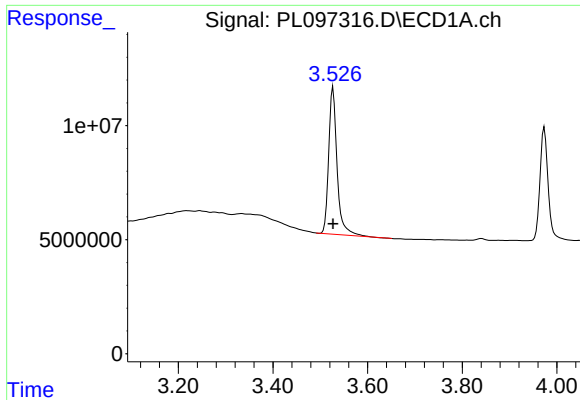
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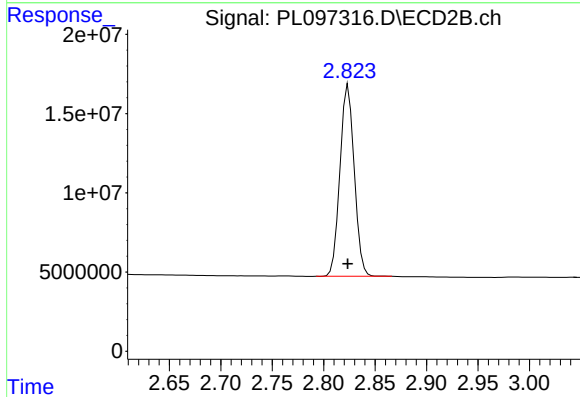
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: 0.000 min
Response: 79301035
Conc: 17.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

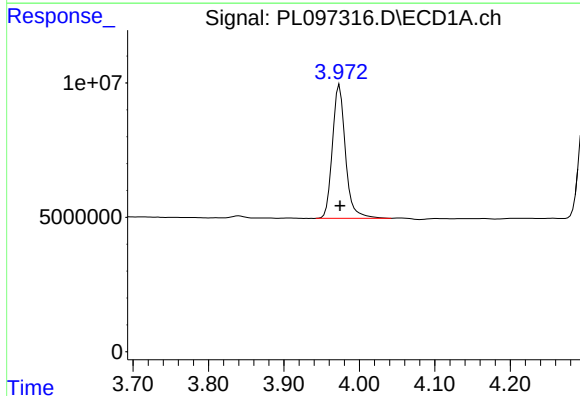
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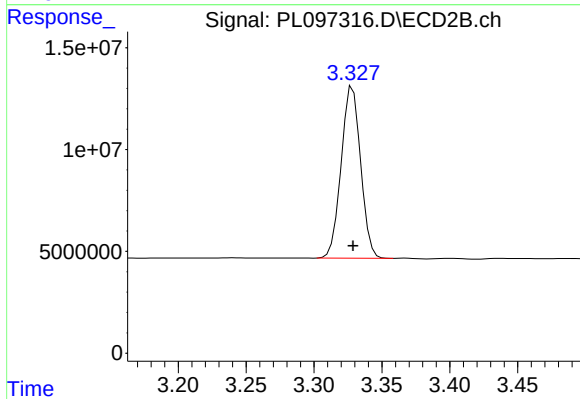
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 116915494
Conc: 17.78 ng/ml



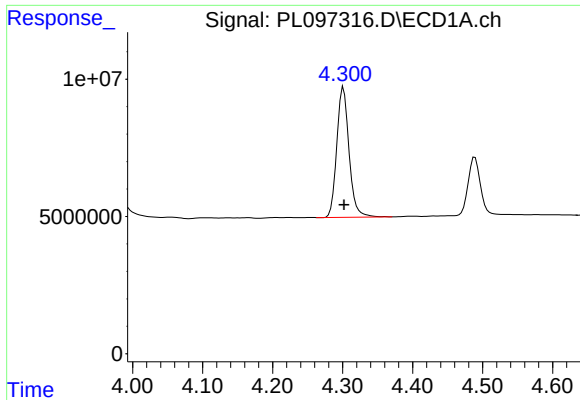
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 59728278
Conc: 8.55 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 84100216
Conc: 8.45 ng/ml



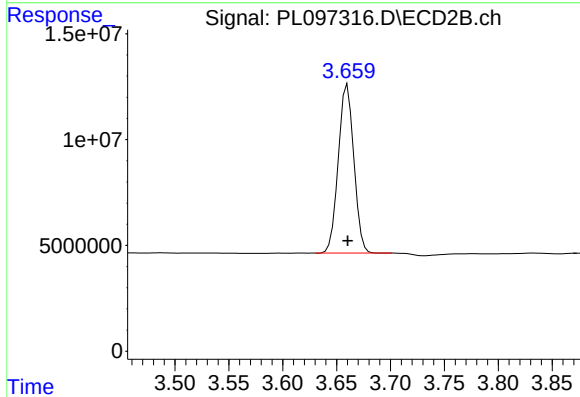
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.001 min
Response: 57729518
Conc: 8.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

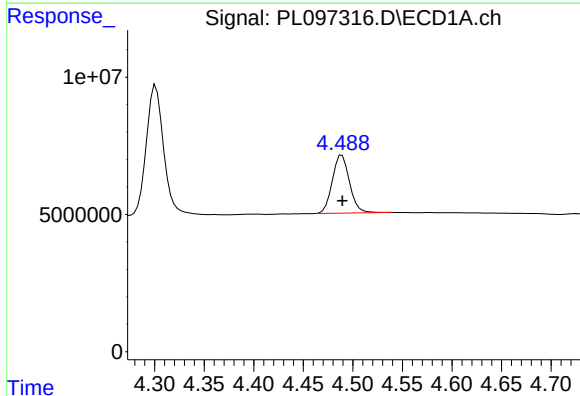
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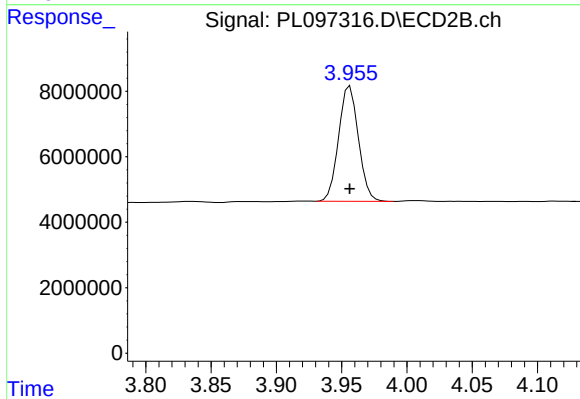
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 80052449
Conc: 8.59 ng/ml



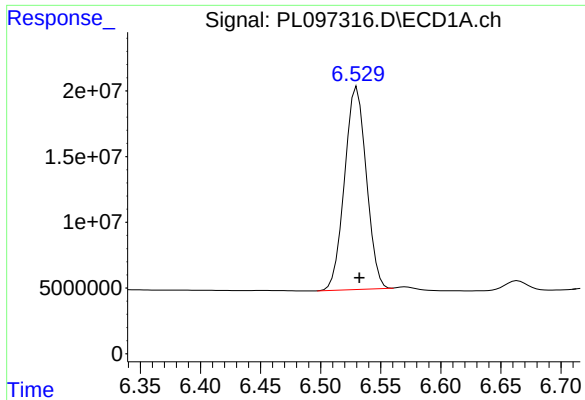
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 25610468
Conc: 9.39 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 37189948
Conc: 9.16 ng/ml



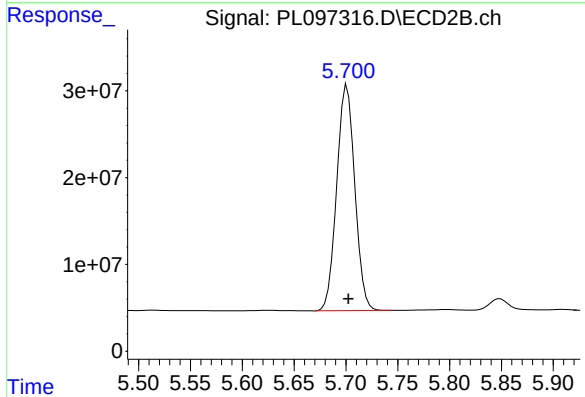
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 194354667
Conc: 42.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

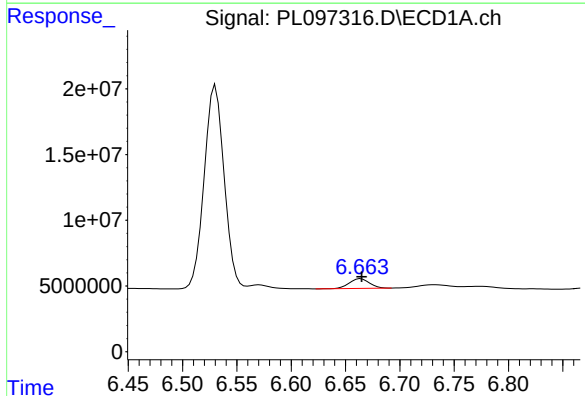
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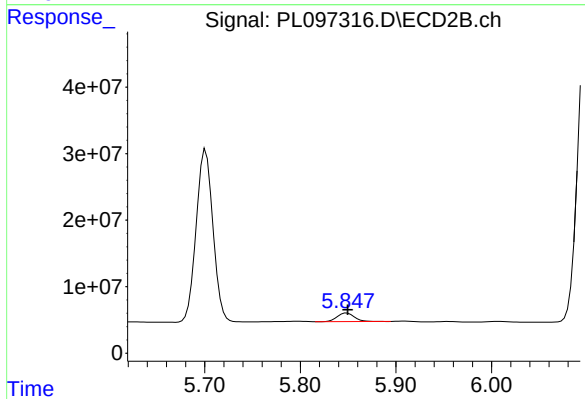
#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.001 min
Response: 315882513
Conc: 42.06 ng/ml



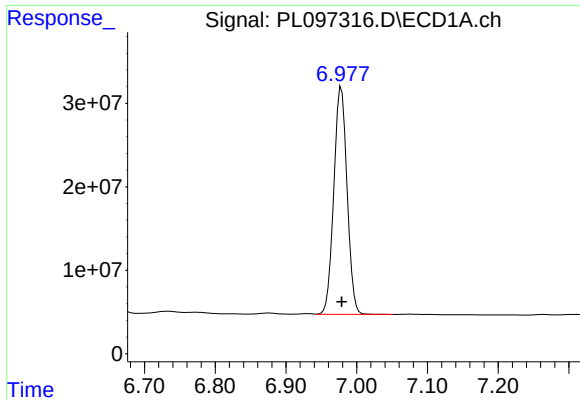
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 9359056
Conc: 2.48 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 15979610
Conc: 2.48 ng/ml



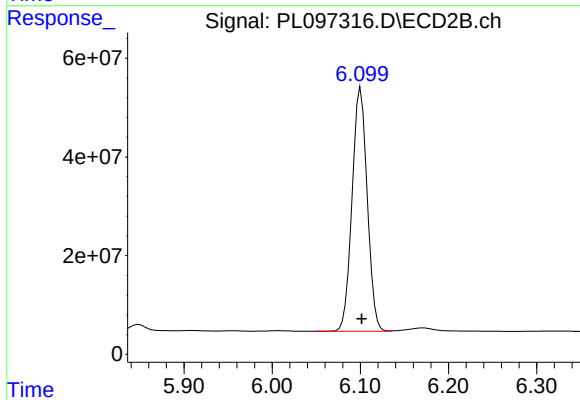
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: 0.000 min
Response: 354820908
Conc: 83.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

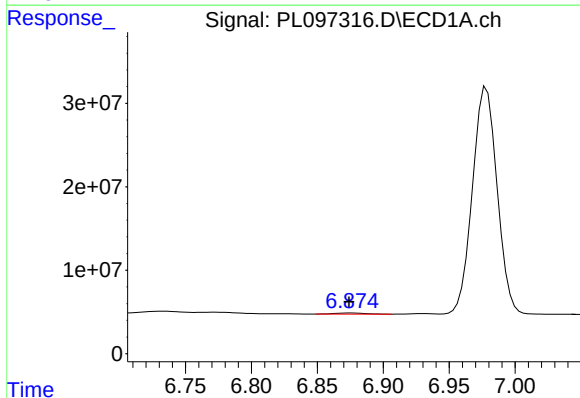
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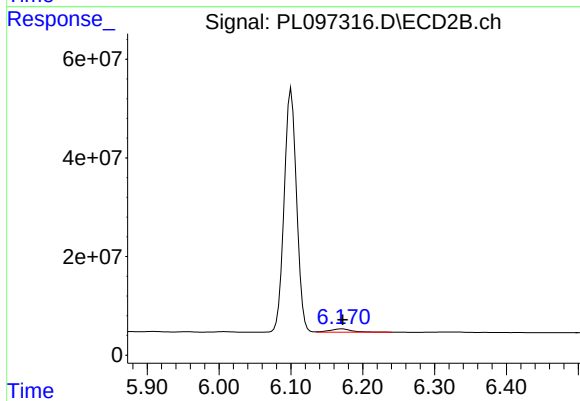
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 590137096
Conc: 85.27 ng/ml



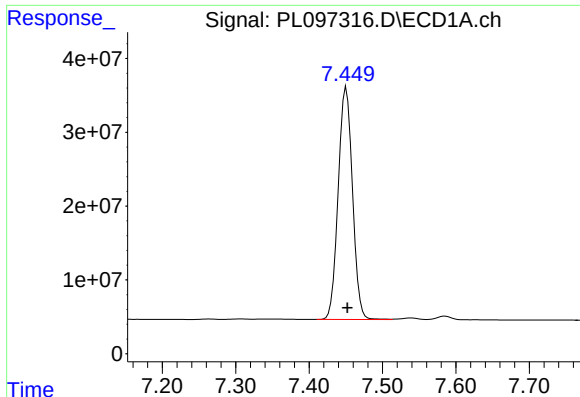
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 2149412
Conc: 0.70 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 14279473
Conc: 2.68 ng/ml



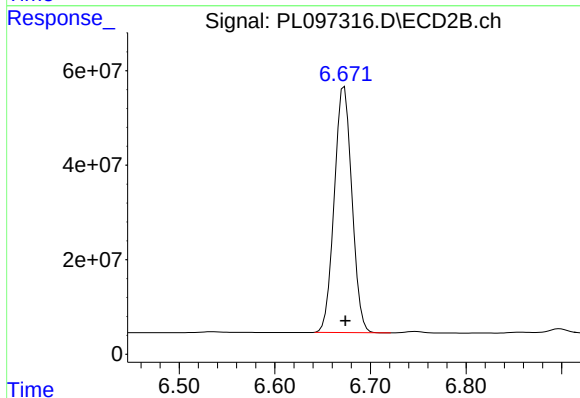
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.002 min
Response: 425655792
Conc: 204.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

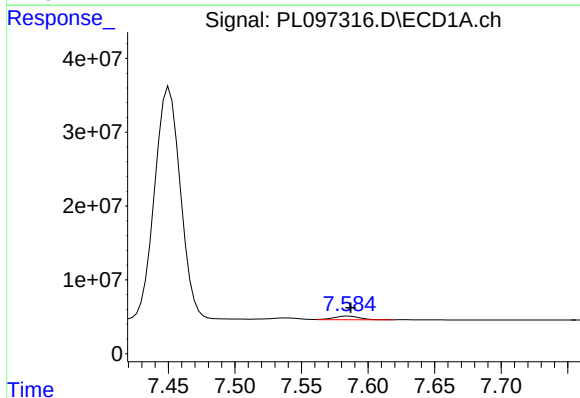
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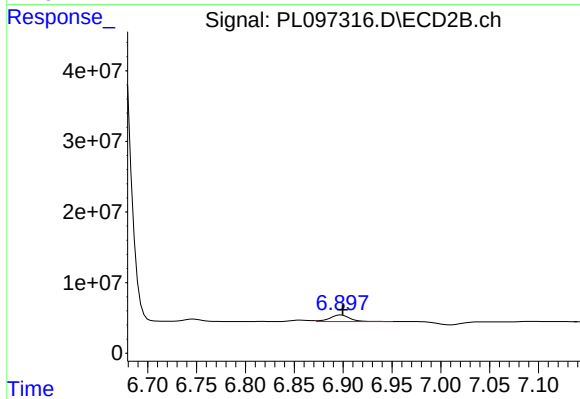
#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.001 min
Response: 665769205
Conc: 176.62 ng/ml



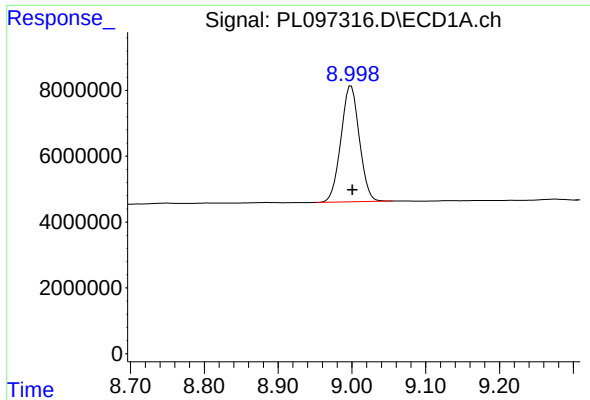
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.002 min
Response: 6376897
Conc: 1.50 ng/ml



#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.002 min
Response: 13364872
Conc: 1.77 ng/ml



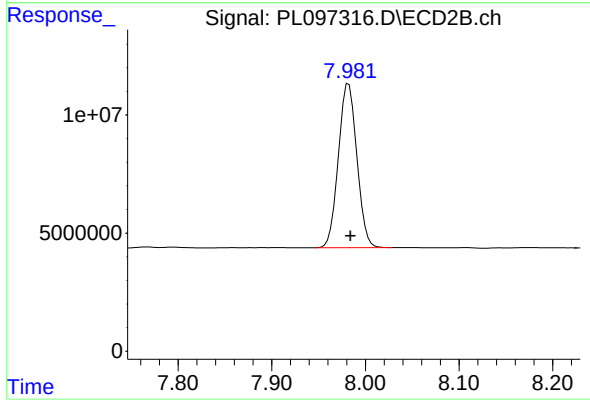
#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.002 min
Response: 61113780
Conc: 18.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 95442246
Conc: 16.77 ng/ml