

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 10:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/13/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:17:44 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...	3.524	2.822	98502248	132.8E6	24.162	21.821
28)	SA Decachlor...	8.993	7.978	73476339	107.1E6	24.709	20.647
Target Compounds							
2)	A alpha-BHC	3.970	3.326	70897757	94957032	10.510	9.624
3)	MA gamma-BHC...	4.298	3.658	68939208	89857619	10.846	9.781
6)	B beta-BHC	4.486	3.954	30056953	40955508	11.625	10.295
12)	B 4,4'-DDE	6.151	5.291	1209776	1222782	0.260m	0.161m#
14)	MA Endrin	6.527	5.697	226.3E6	350.9E6	50.567	47.407
16)	A 4,4'-DDD	6.659	5.844	24153794	34915254	6.401m	5.474
17)	MA 4,4'-DDT	6.974	6.097	395.9E6	624.5E6	97.637	93.727
18)	B Endrin al...	6.869	6.168	4045275	10218900	1.235m	1.775 #
20)	A Methoxychlor	7.447	6.668	472.1E6	711.0E6	226.000	195.050
21)	B Endrin ke...	7.581	6.894	14663100	25855603	3.425	3.273

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

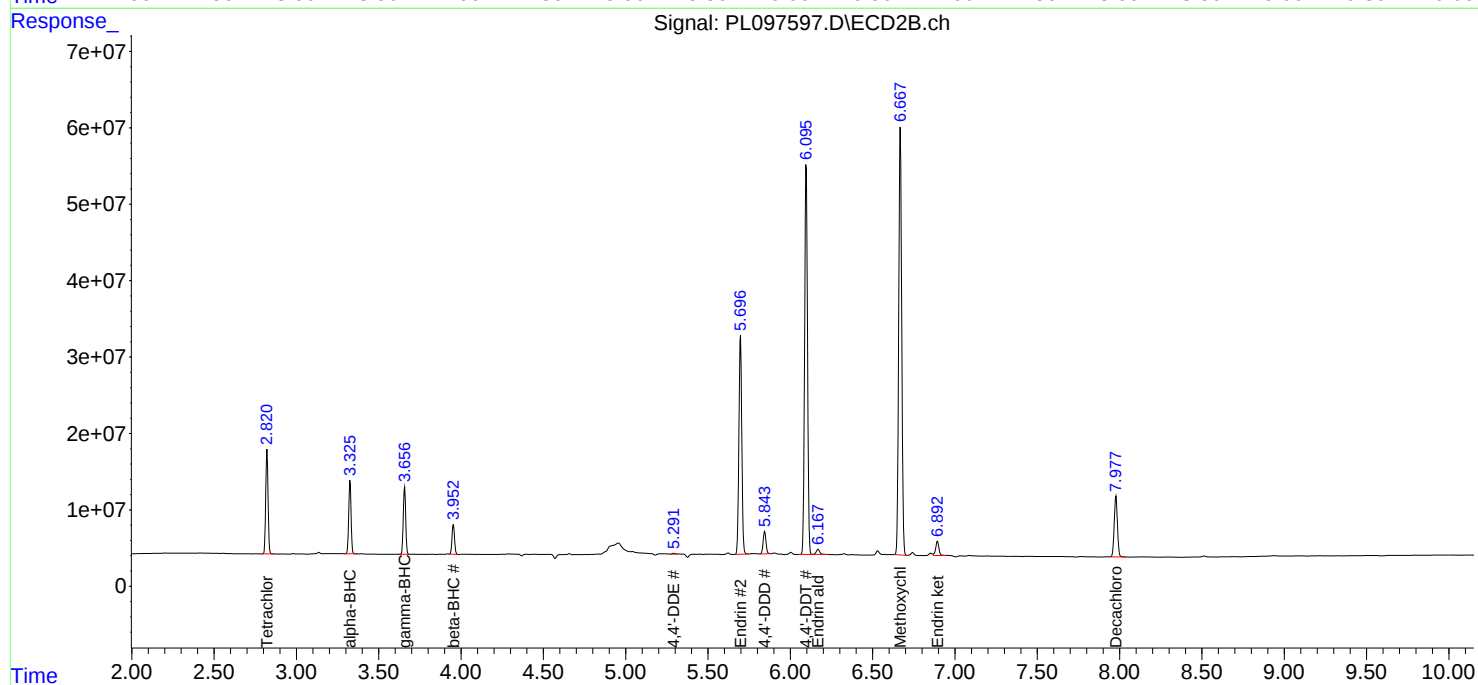
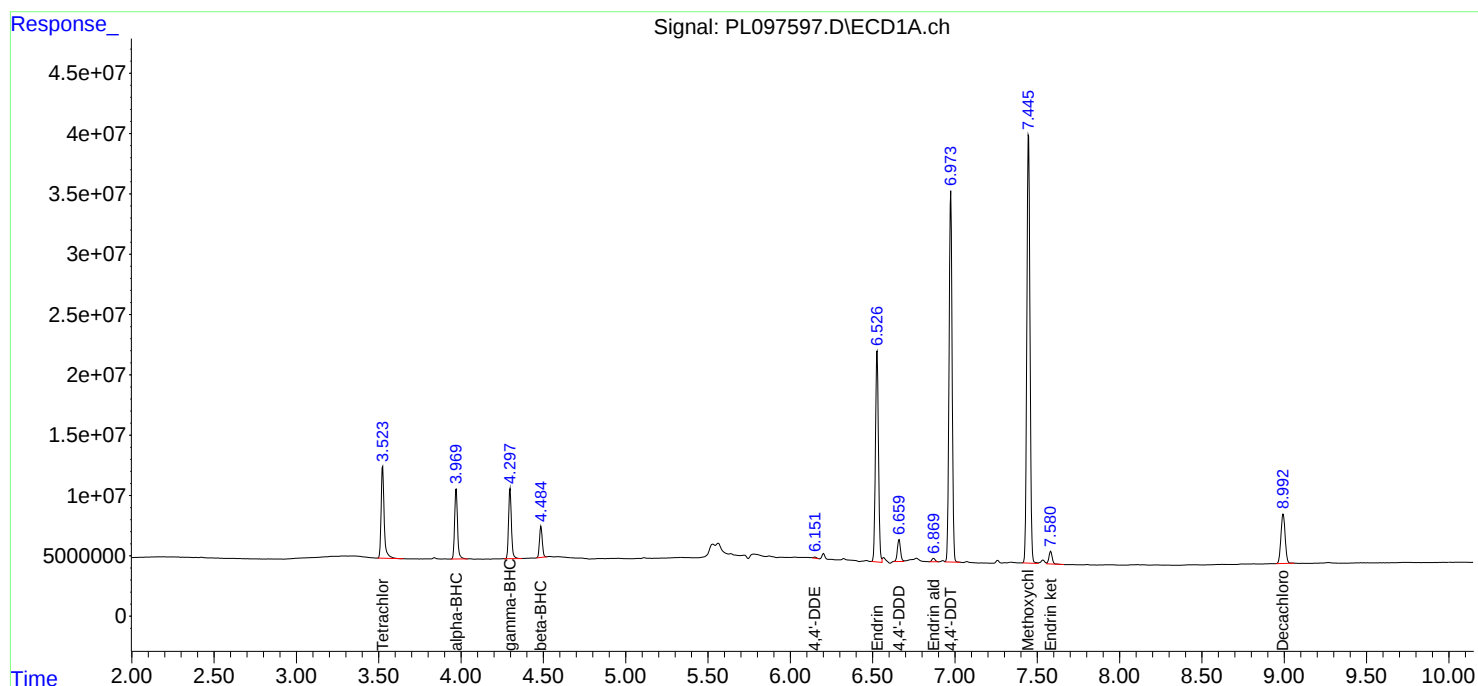
Instrument :
ECD_L
ClientSampleId :
PEM

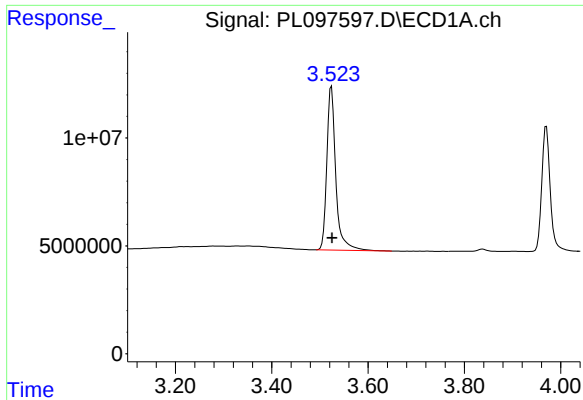
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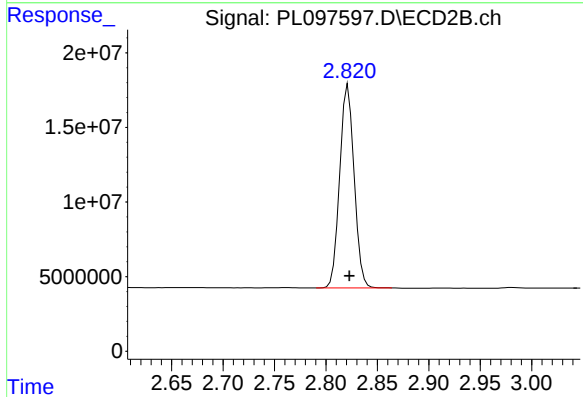
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.001 min
Response: 98502248
Conc: 24.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

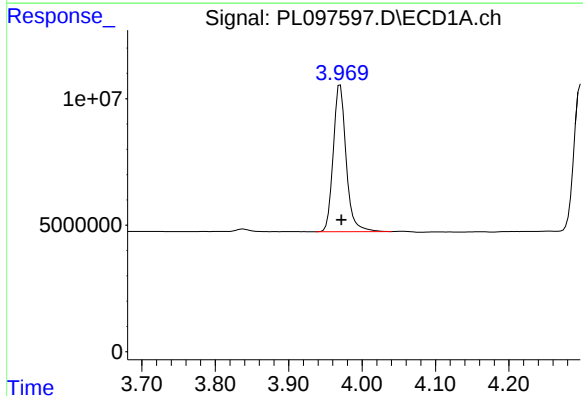
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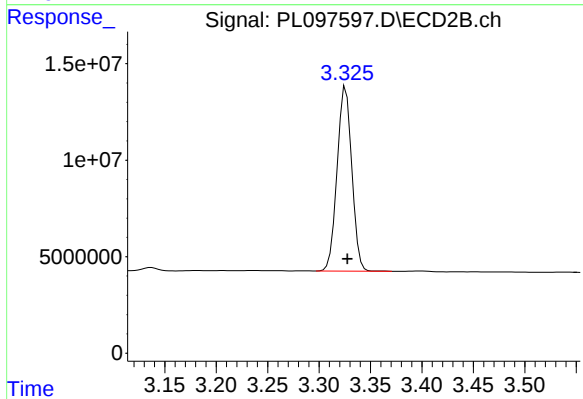
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.001 min
Response: 132813089
Conc: 21.82 ng/ml



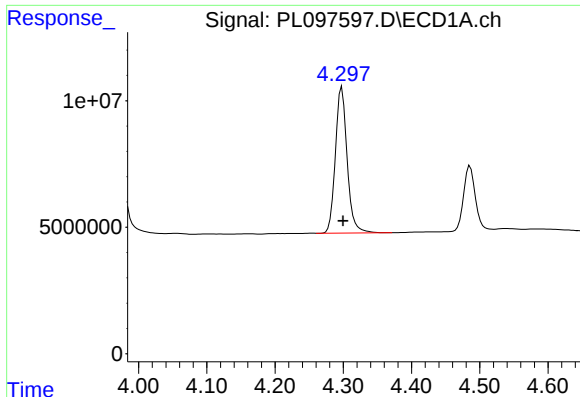
#2 alpha-BHC

R.T.: 3.970 min
Delta R.T.: -0.002 min
Response: 70897757
Conc: 10.51 ng/ml



#2 alpha-BHC

R.T.: 3.326 min
Delta R.T.: -0.002 min
Response: 94957032
Conc: 9.62 ng/ml



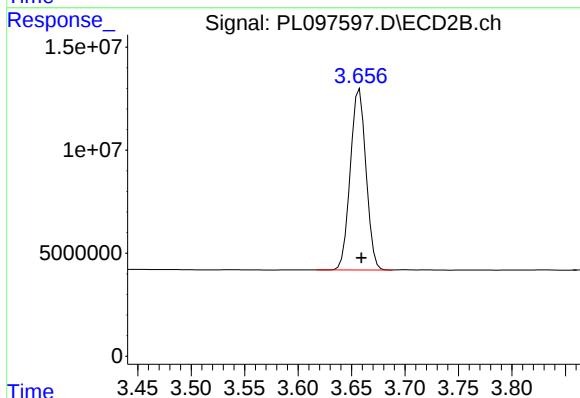
#3 gamma-BHC (Lindane)

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 68939208
Conc: 10.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

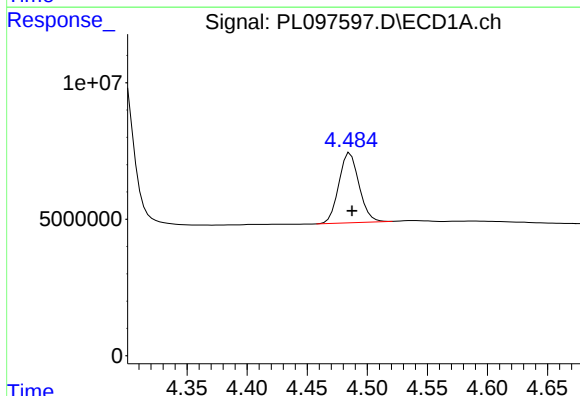
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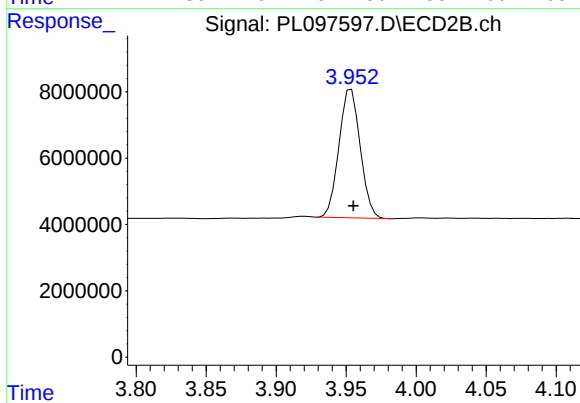
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: -0.002 min
Response: 89857619
Conc: 9.78 ng/ml



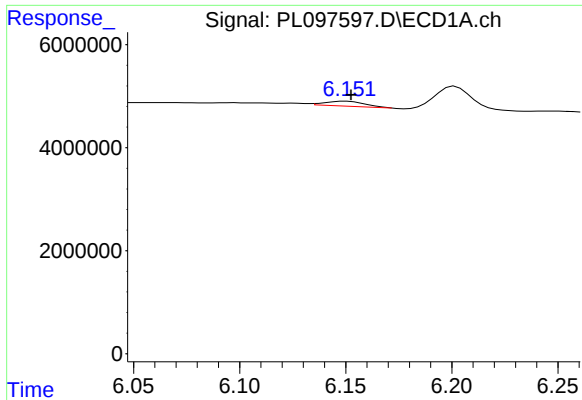
#6 beta-BHC

R.T.: 4.486 min
Delta R.T.: -0.002 min
Response: 30056953
Conc: 11.63 ng/ml



#6 beta-BHC

R.T.: 3.954 min
Delta R.T.: -0.002 min
Response: 40955508
Conc: 10.30 ng/ml



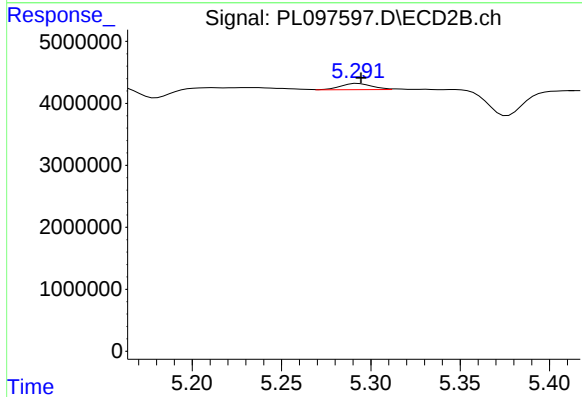
#12 4,4'-DDE

R.T.: 6.151 min
Delta R.T.: -0.002 min
Response: 1209776
Conc: 0.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

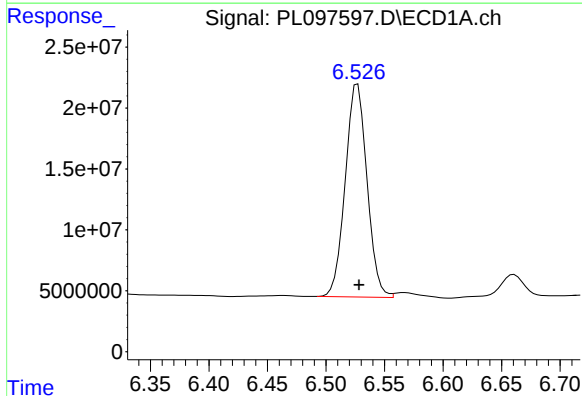
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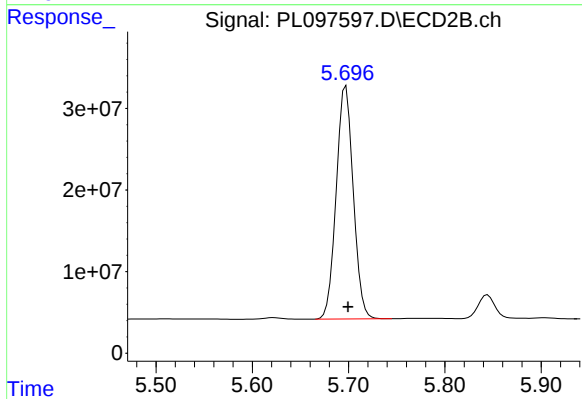
#12 4,4'-DDE

R.T.: 5.291 min
Delta R.T.: -0.003 min
Response: 1222782
Conc: 0.16 ng/ml m



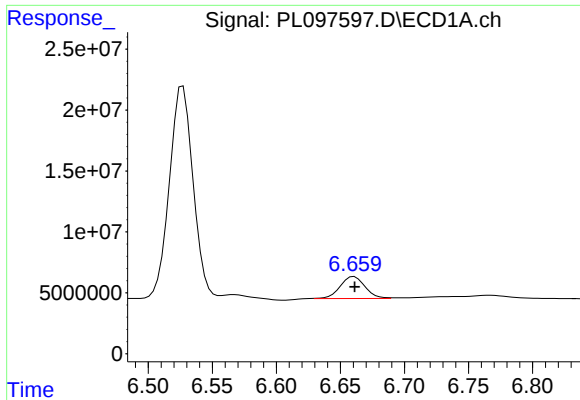
#14 Endrin

R.T.: 6.527 min
Delta R.T.: -0.001 min
Response: 226250559
Conc: 50.57 ng/ml



#14 Endrin

R.T.: 5.697 min
Delta R.T.: -0.002 min
Response: 350884590
Conc: 47.41 ng/ml



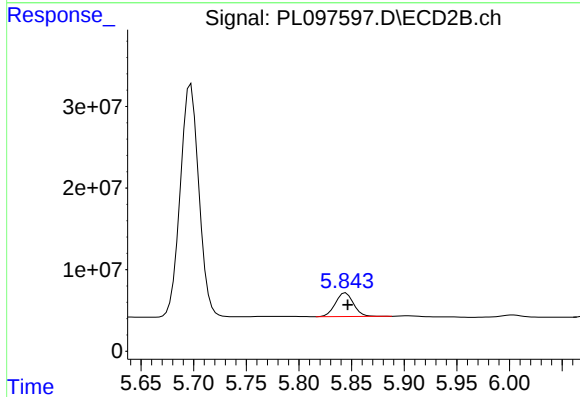
#16 4,4'-DDD

R.T.: 6.659 min
Delta R.T.: -0.002 min
Response: 24153794
Conc: 6.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

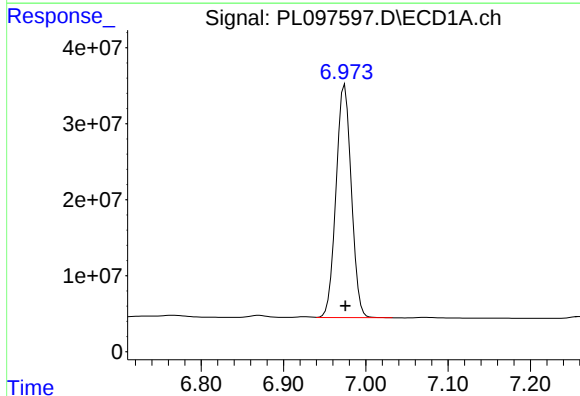
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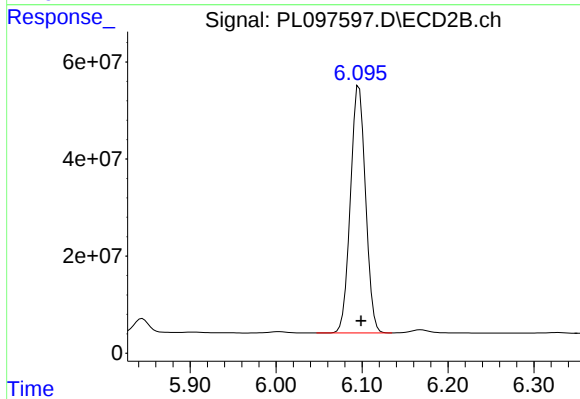
#16 4,4'-DDD

R.T.: 5.844 min
Delta R.T.: -0.002 min
Response: 34915254
Conc: 5.47 ng/ml



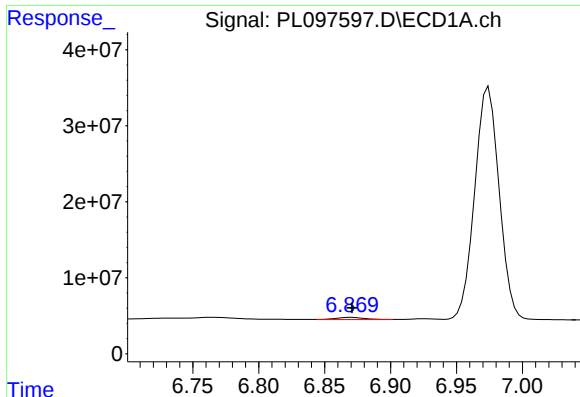
#17 4,4'-DDT

R.T.: 6.974 min
Delta R.T.: 0.000 min
Response: 395891220
Conc: 97.64 ng/ml



#17 4,4'-DDT

R.T.: 6.097 min
Delta R.T.: -0.002 min
Response: 624542429
Conc: 93.73 ng/ml



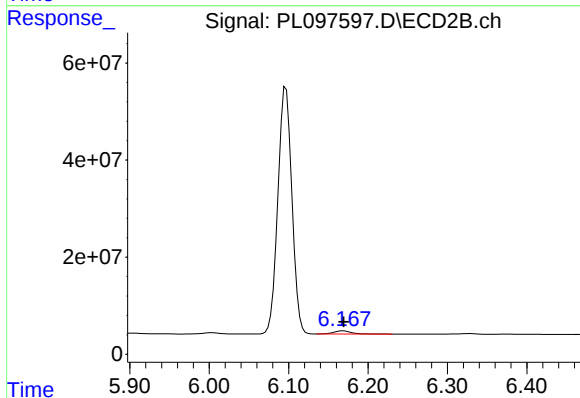
#18 Endrin aldehyde

R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 4045275
Conc: 1.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

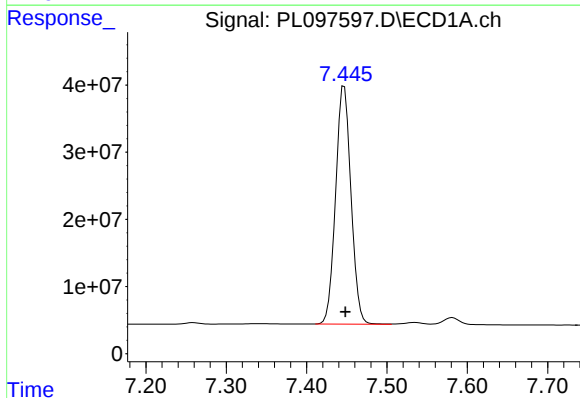
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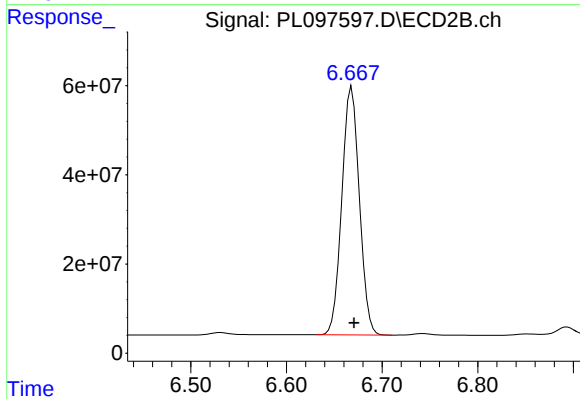
#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 10218900
Conc: 1.77 ng/ml



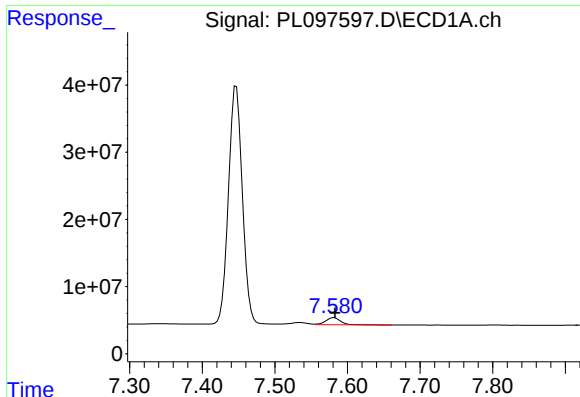
#20 Methoxychlor

R.T.: 7.447 min
Delta R.T.: -0.001 min
Response: 472113386
Conc: 226.00 ng/ml



#20 Methoxychlor

R.T.: 6.668 min
Delta R.T.: -0.002 min
Response: 711001149
Conc: 195.05 ng/ml



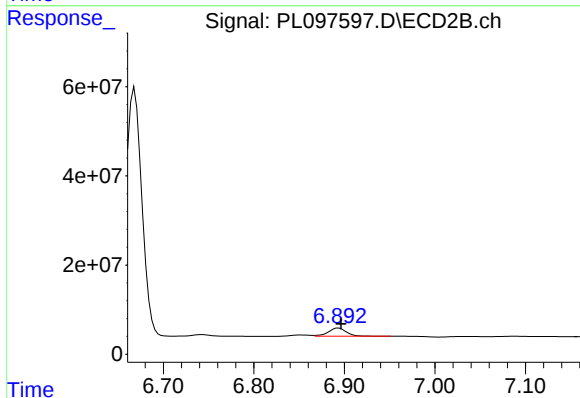
#21 Endrin ketone

R.T.: 7.581 min
Delta R.T.: -0.002 min
Response: 14663100
Conc: 3.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

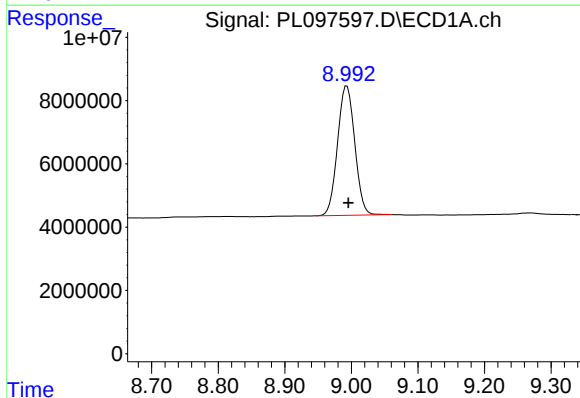
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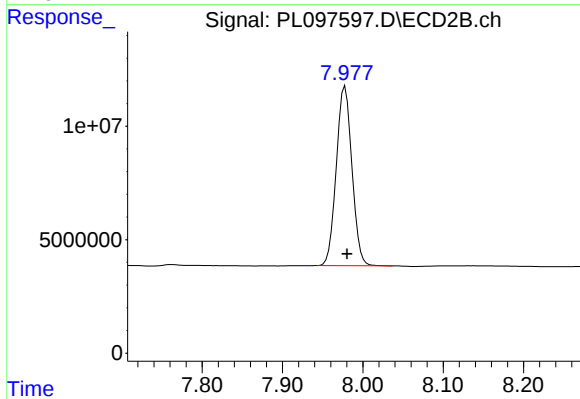
#21 Endrin ketone

R.T.: 6.894 min
Delta R.T.: -0.003 min
Response: 25855603
Conc: 3.27 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.993 min
Delta R.T.: -0.002 min
Response: 73476339
Conc: 24.71 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 107136403
Conc: 20.65 ng/ml