

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL093025\
 Data File : PL097460.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 19:27
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/01/2025
 Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:25:25 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...	3.526	2.824	78438290	111.6E6	17.326	16.967
28)	SA Decachlor...	8.998	7.982	61182584	83281319	18.698	14.632
Target Compounds							
2)	A alpha-BHC	3.973	3.328	55669181	78383557	7.967	7.872
3)	MA gamma-BHC...	4.301	3.660	54053698	73479150	8.174	7.889
6)	B beta-BHC	4.488	3.956	23358487	34473093	8.568	8.487
12)	B 4,4'-DDE	6.153	5.294	1402503	1101477	0.294m	0.143m#
14)	MA Endrin	6.530	5.701	189.3E6	307.0E6	41.024	40.878
16)	A 4,4'-DDD	6.663	5.848	18610964	25838613	4.936	4.007
17)	MA 4,4'-DDT	6.977	6.100	291.0E6	449.7E6	68.847	64.981
18)	B Endrin al...	6.873	6.171	2237429	3007682	0.726m	0.564m
20)	A Methoxychlor	7.450	6.672	351.8E6	533.4E6	168.696	141.504
21)	B Endrin ke...	7.585	6.897	6351221	8178859	1.496	1.086 #

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

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Data File : PL097460.D
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Acq On : 30 Sep 2025 19:27
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

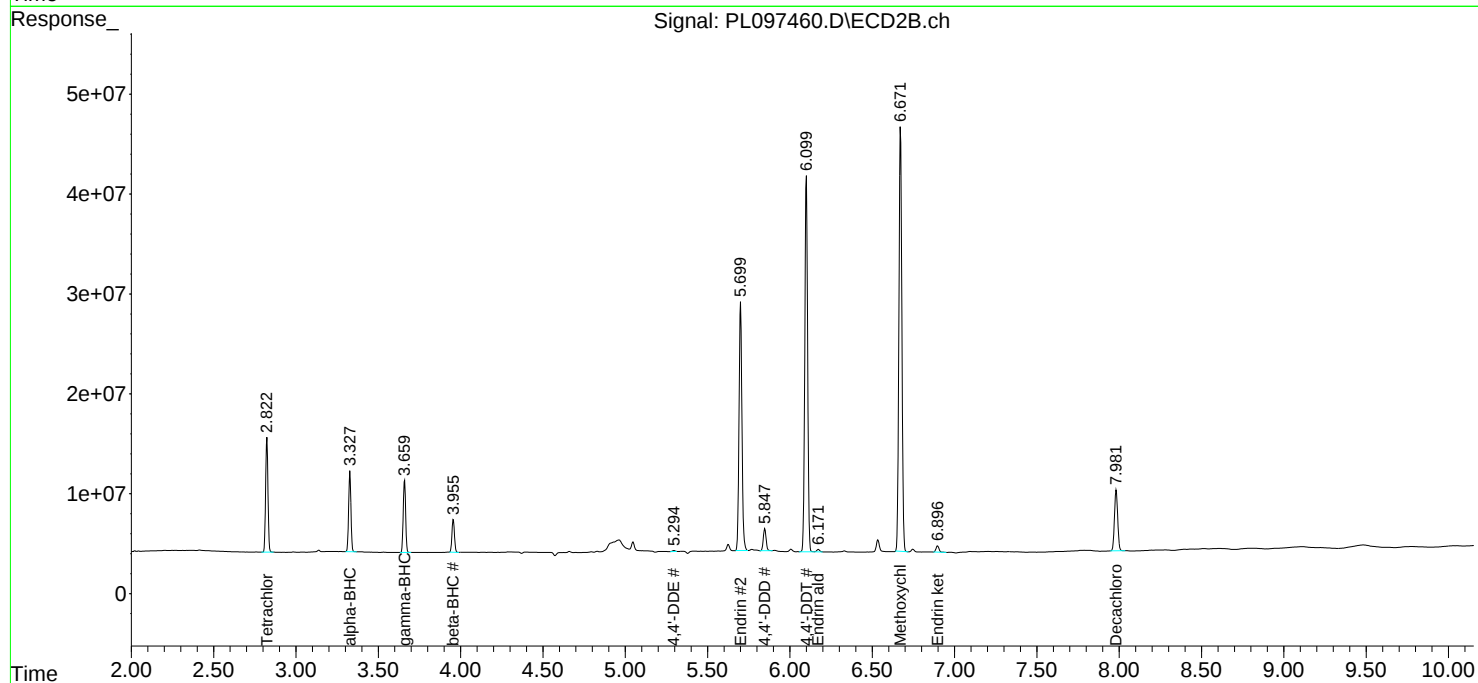
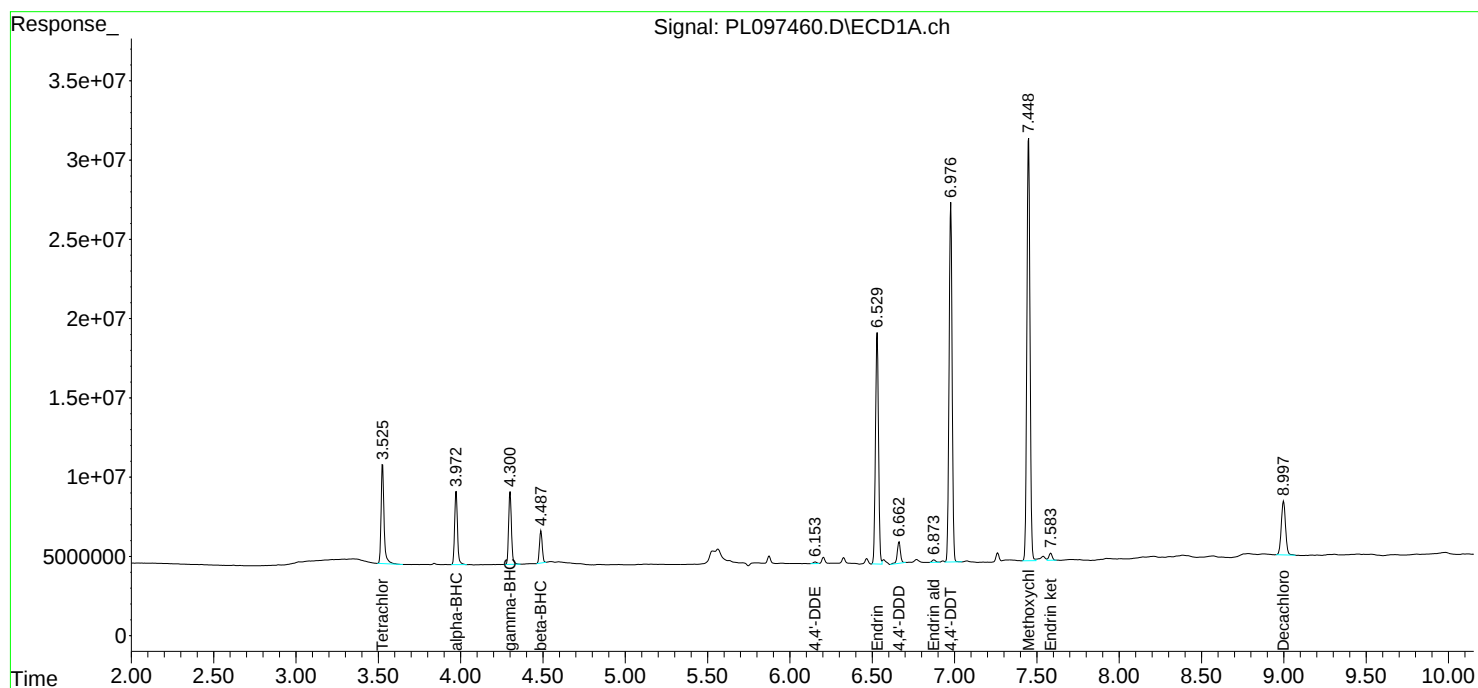
Instrument :
ECD_L
ClientSampleId :
PEM

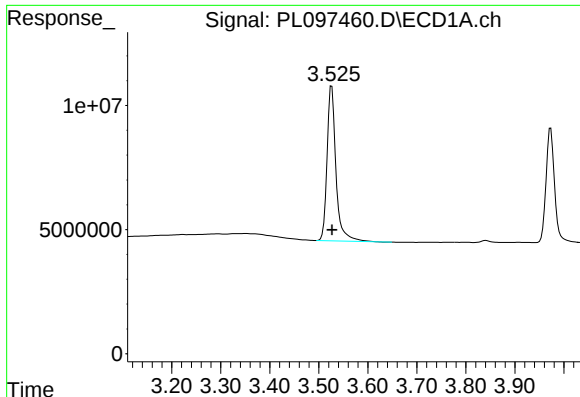
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





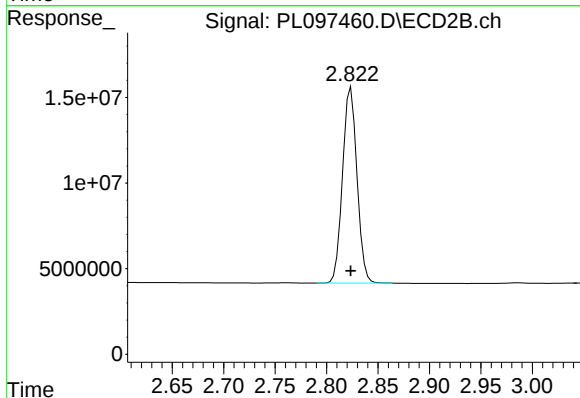
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 78438290
Conc: 17.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

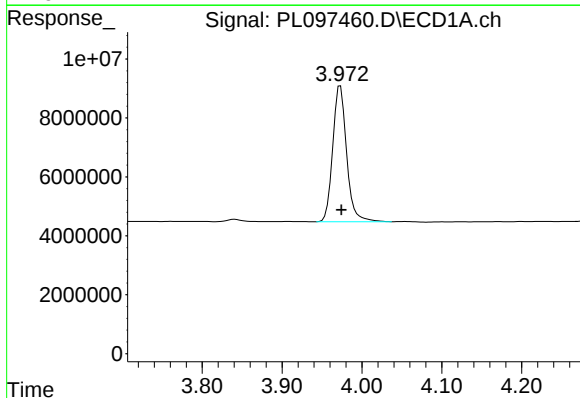
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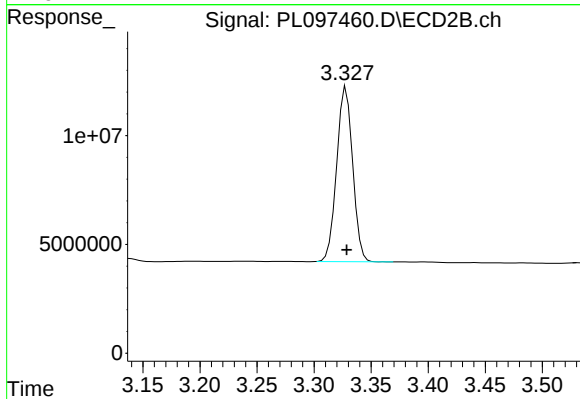
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 111567938
Conc: 16.97 ng/ml



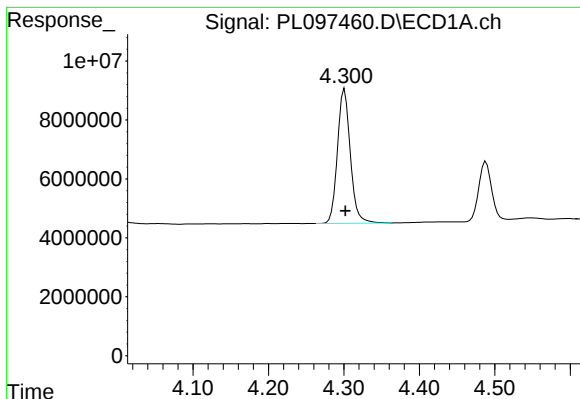
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 55669181
Conc: 7.97 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 78383557
Conc: 7.87 ng/ml



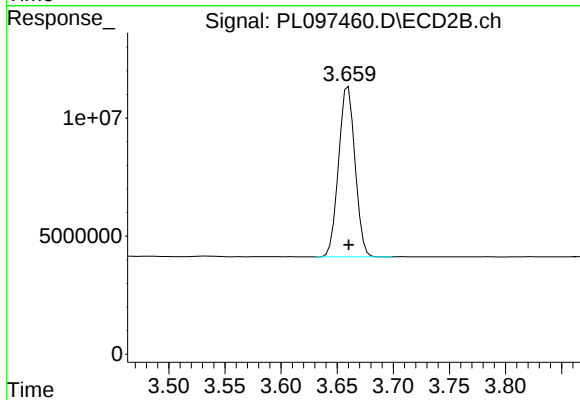
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.001 min
Response: 54053698
Conc: 8.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

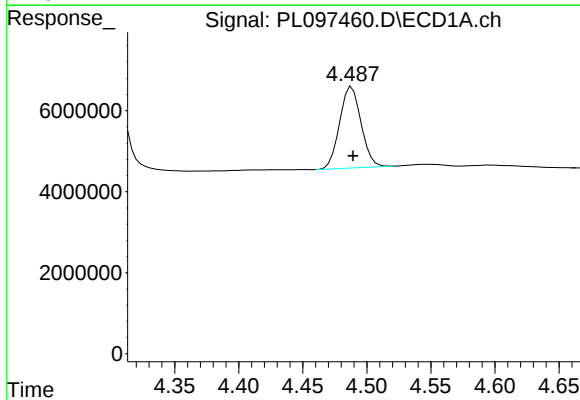
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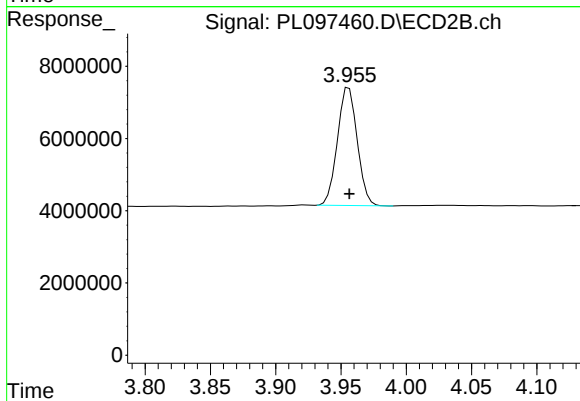
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: 0.000 min
Response: 73479150
Conc: 7.89 ng/ml



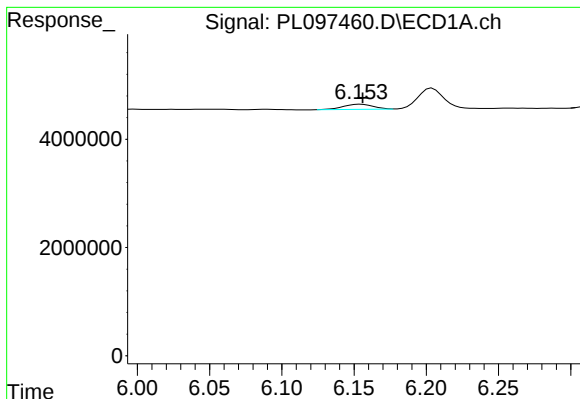
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.001 min
Response: 23358487
Conc: 8.57 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: 0.000 min
Response: 34473093
Conc: 8.49 ng/ml



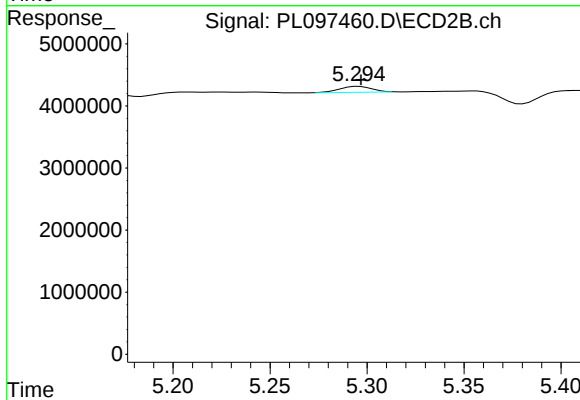
#12 4,4'-DDE

R.T.: 6.153 min
Delta R.T.: -0.003 min
Response: 1402503
Conc: 0.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

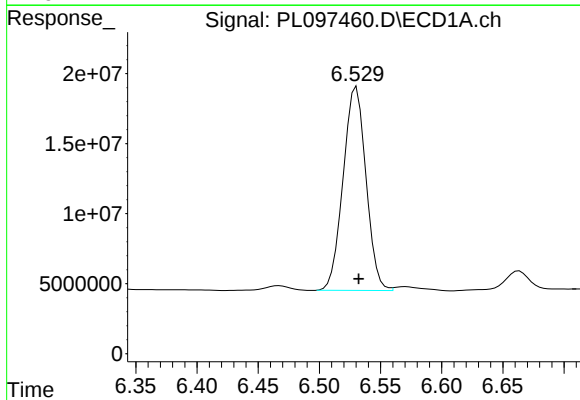
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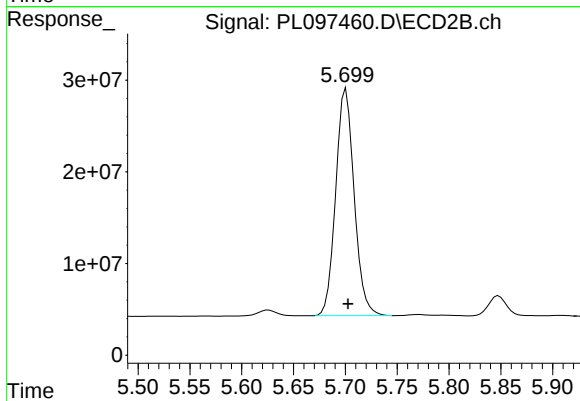
#12 4,4'-DDE

R.T.: 5.294 min
Delta R.T.: -0.003 min
Response: 1101477
Conc: 0.14 ng/ml m



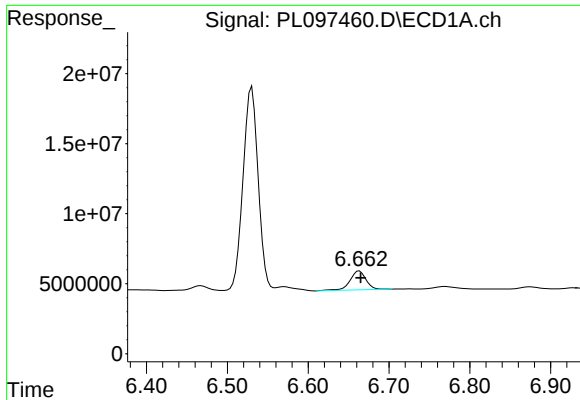
#14 Endrin

R.T.: 6.530 min
Delta R.T.: -0.002 min
Response: 189250352
Conc: 41.02 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 307012443
Conc: 40.88 ng/ml



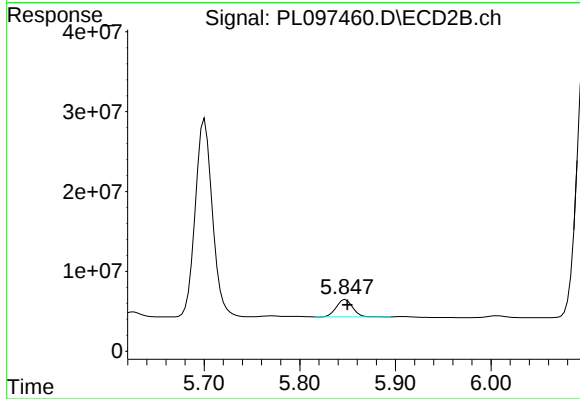
#16 4,4'-DDD

R.T.: 6.663 min
Delta R.T.: -0.002 min
Response: 18610964
Conc: 4.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

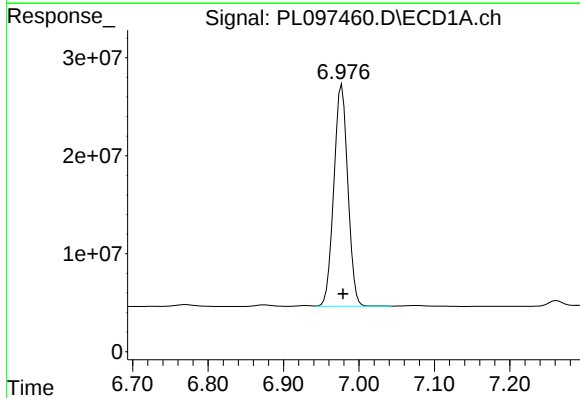
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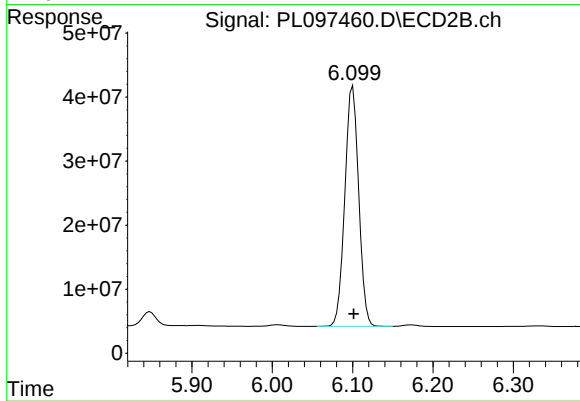
#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 25838613
Conc: 4.01 ng/ml



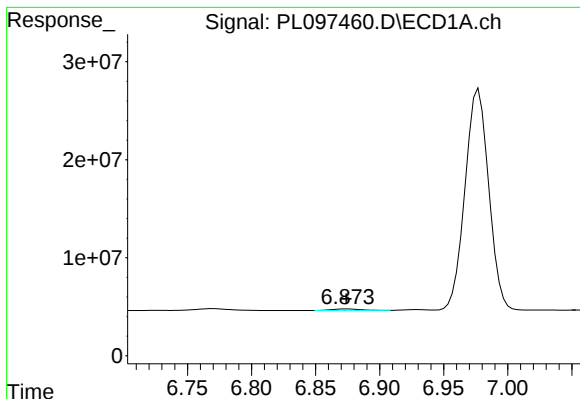
#17 4,4'-DDT

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 291028171
Conc: 68.85 ng/ml



#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.001 min
Response: 449697657
Conc: 64.98 ng/ml



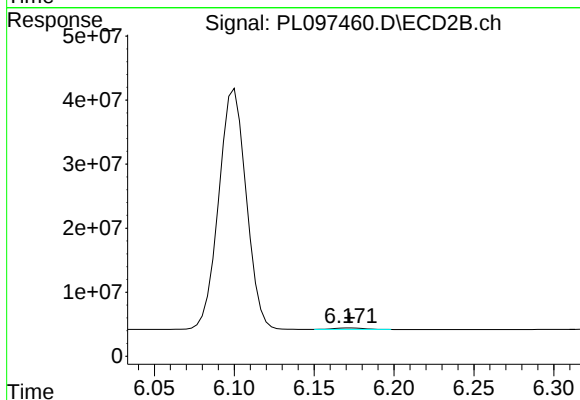
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.001 min
Response: 2237429
Conc: 0.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

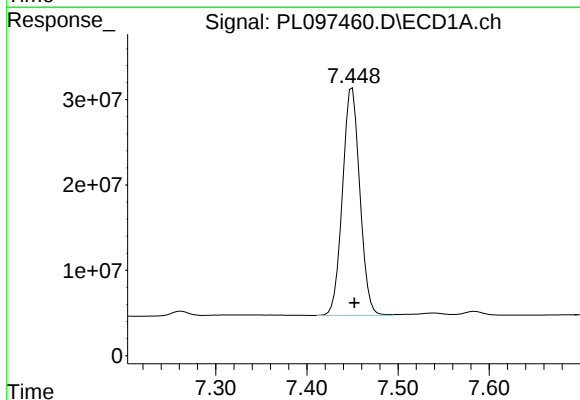
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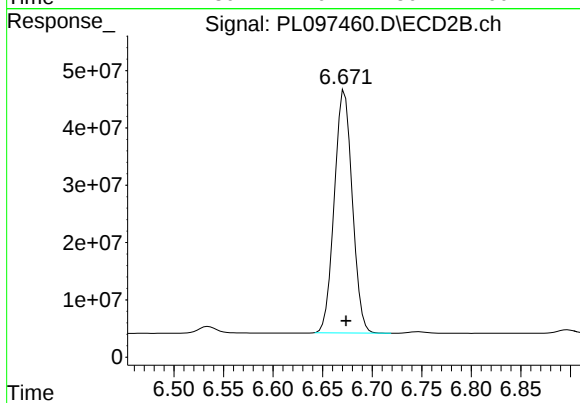
#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 3007682
Conc: 0.56 ng/ml m



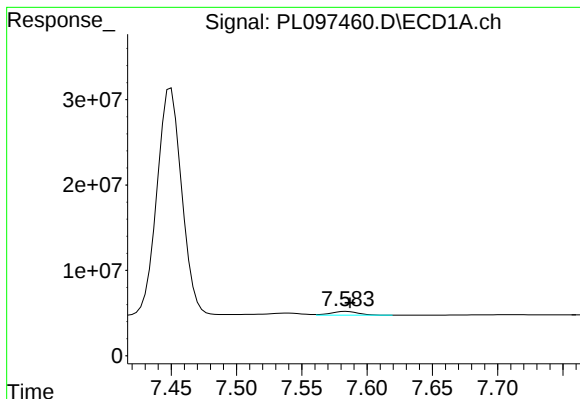
#20 Methoxychlor

R.T.: 7.450 min
Delta R.T.: -0.002 min
Response: 351794686
Conc: 168.70 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.002 min
Response: 533397549
Conc: 141.50 ng/ml



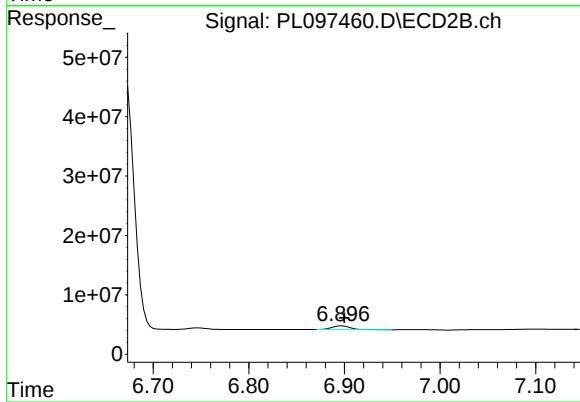
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.002 min
Response: 6351221
Conc: 1.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

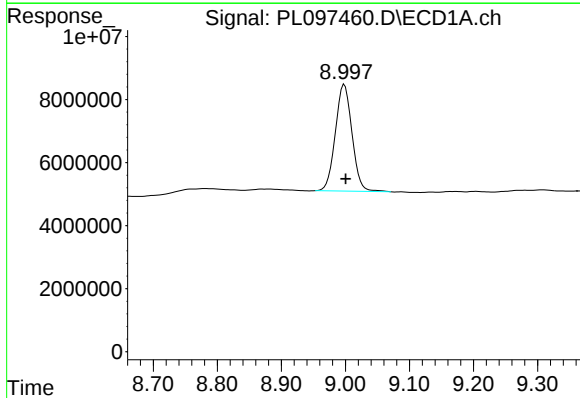
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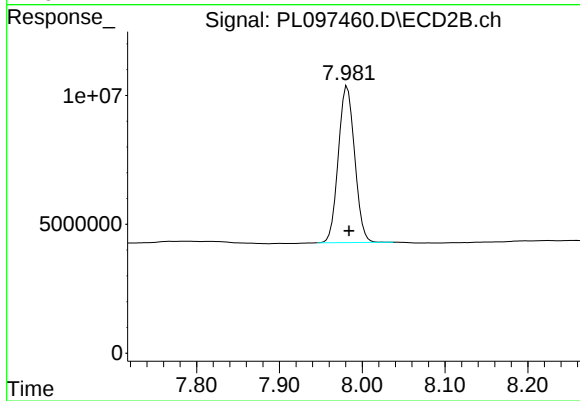
#21 Endrin ketone

R.T.: 6.897 min
Delta R.T.: -0.002 min
Response: 8178859
Conc: 1.09 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.002 min
Response: 61182584
Conc: 18.70 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.002 min
Response: 83281319
Conc: 14.63 ng/ml