

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060225\
 Data File : PL095862.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jun 2025 10:00
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 02 21:51:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.886	68610753	83102590	21.745	21.232
2) SA Decachlor...	9.099	8.060	51065571	89082971	21.672	20.364
Target Compounds						
2) A alpha-BHC	4.024	3.395	50432182	59521436	10.403	10.162
3) MA gamma-BHC...	4.355	3.729	47767686	57950100	10.682	10.346
6) B beta-BHC	4.543	4.024	21319443	27164269	10.815	10.964
14) MA Endrin	6.600	5.779	169.4E6	257.9E6	52.489	52.899m
16) A 4,4'-DDD	6.731	5.923	1510564	2419276	0.515m	0.552m
17) MA 4,4'-DDT	7.048	6.178	275.6E6	513.6E6	101.882	107.387
18) B Endrin al...	6.941	6.250	345499	2094155	0.143m	0.606m#
20) A Methoxychlor	7.519	6.748	320.6E6	582.2E6	251.358m	222.559
21) B Endrin ke...	7.656	6.975	1787334	3360771	0.564m	0.650m

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

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Acq On : 02 Jun 2025 10:00
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

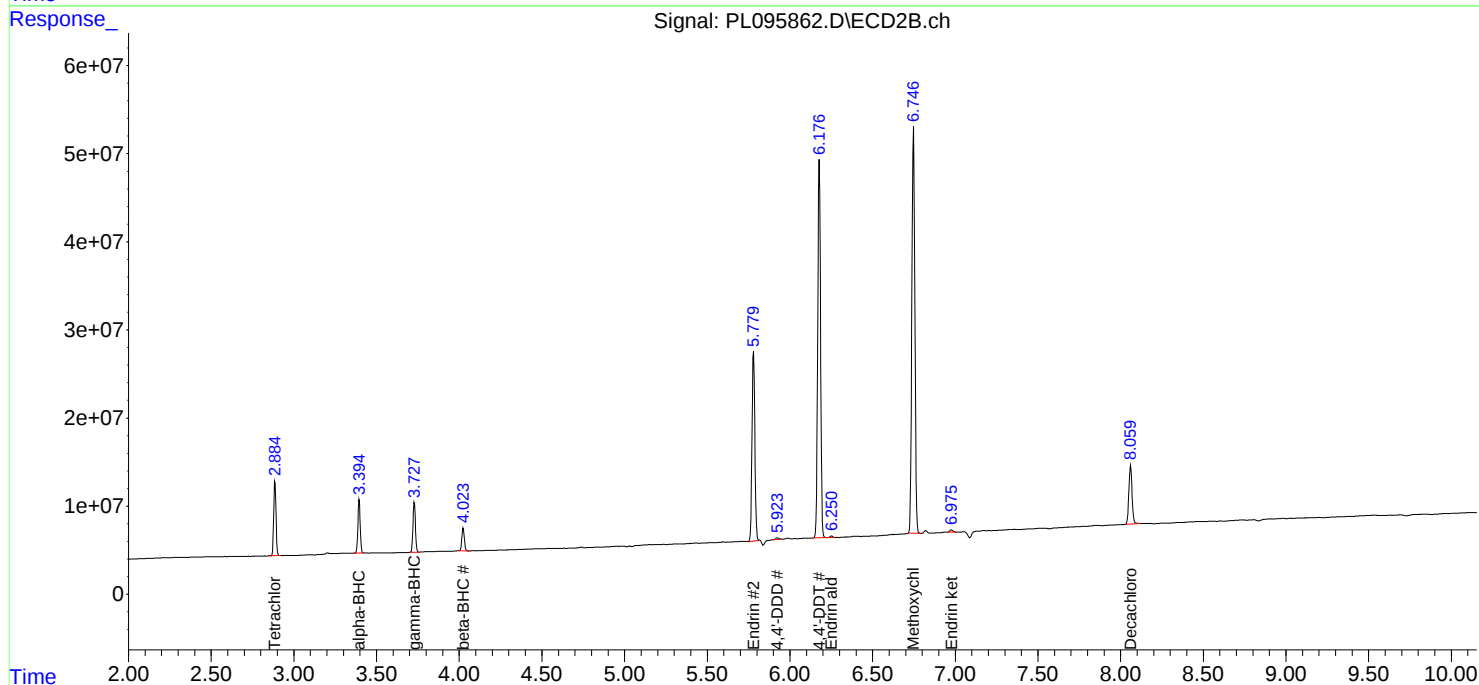
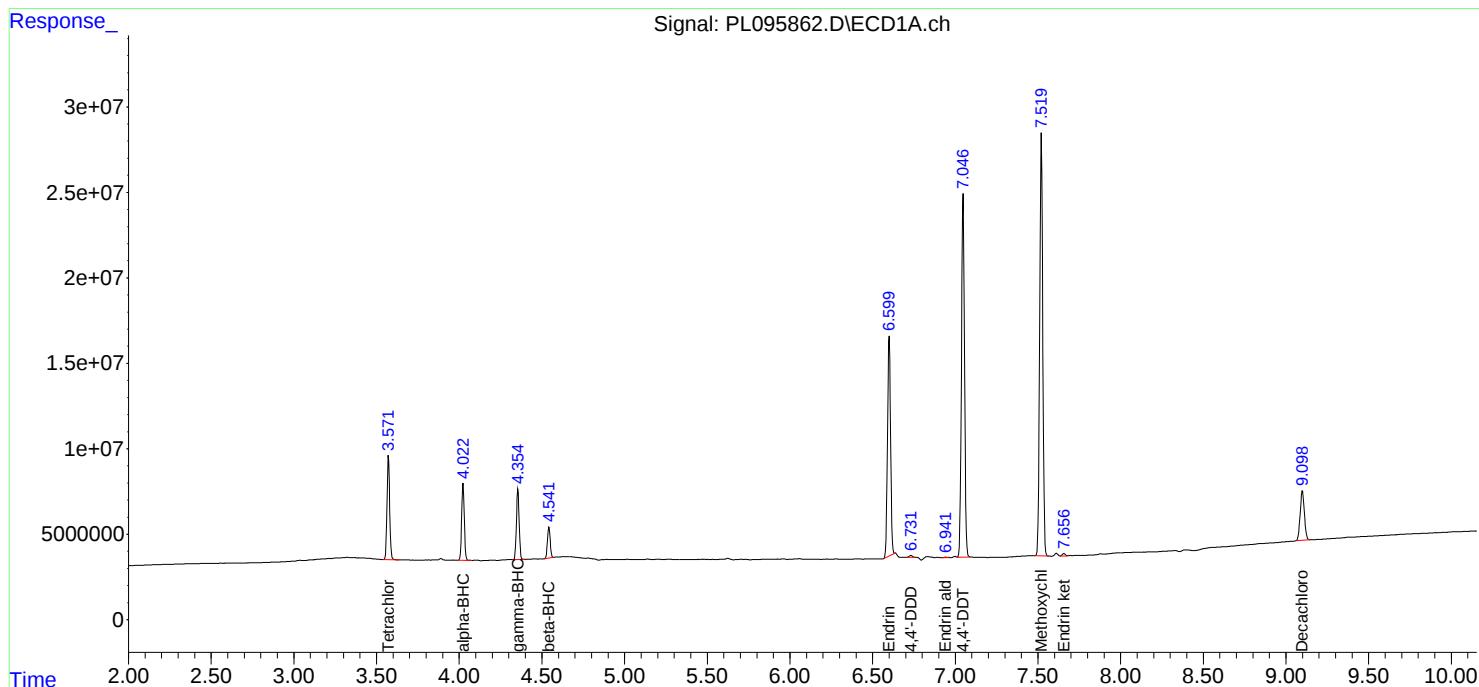
Instrument :
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ClientSampleId :
PEM

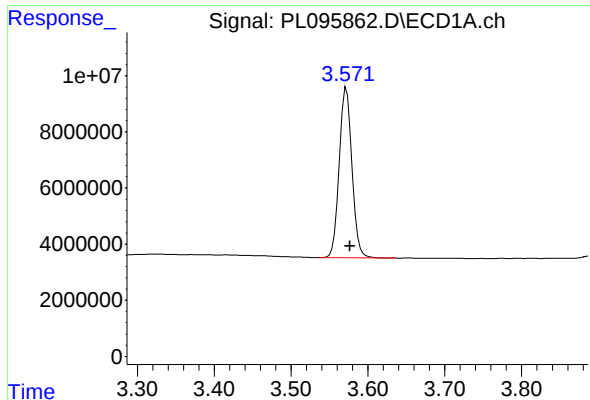
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Supervised By : mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 02 21:51:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





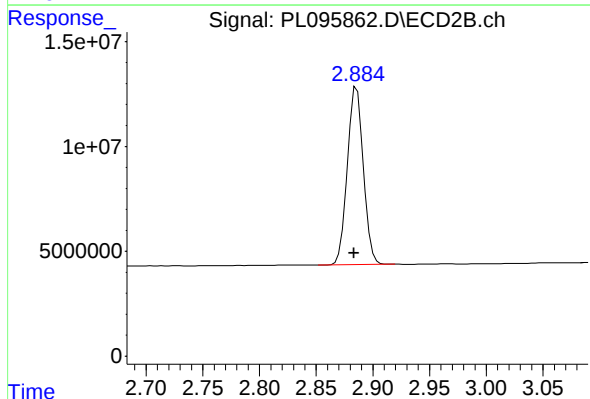
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 68610753
Conc: 21.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

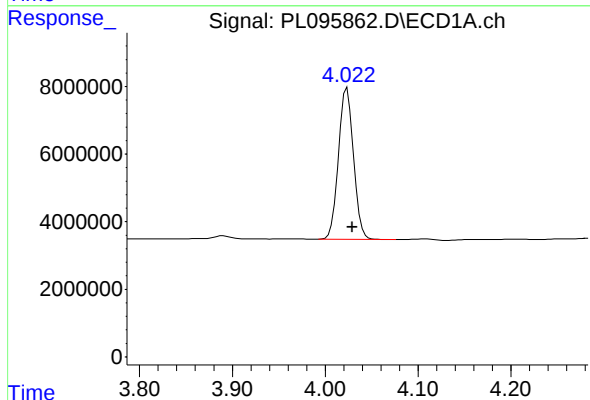
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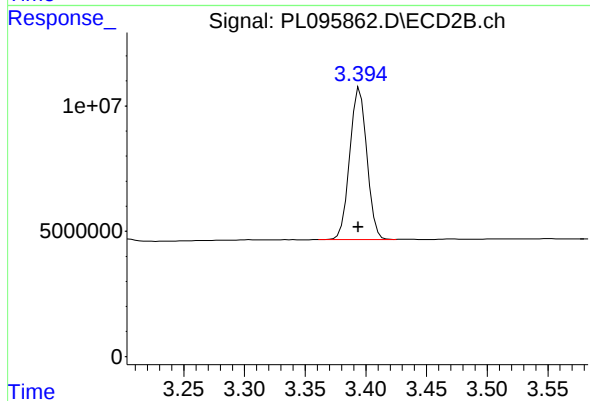
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 83102590
Conc: 21.23 ng/ml



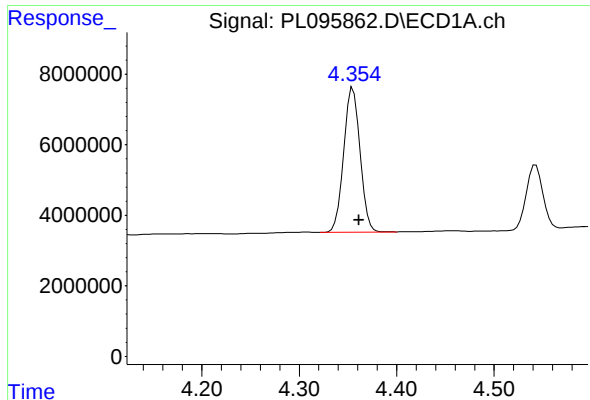
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.006 min
Response: 50432182
Conc: 10.40 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 59521436
Conc: 10.16 ng/ml



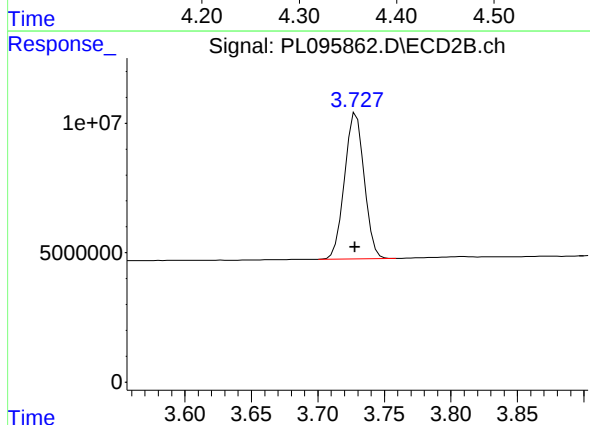
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 47767686
Conc: 10.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

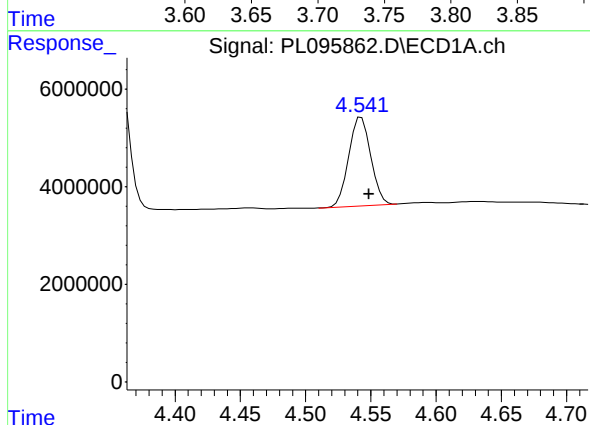
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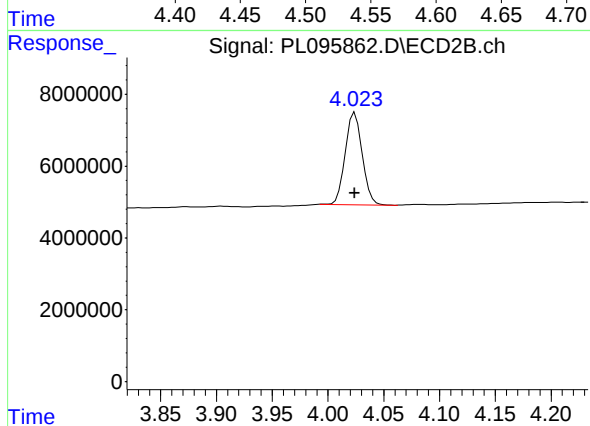
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 57950100
Conc: 10.35 ng/ml



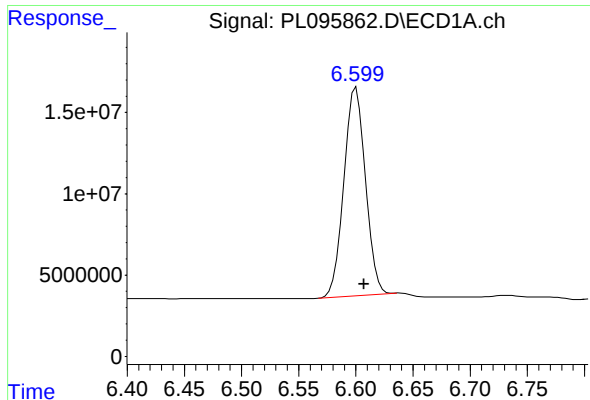
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 21319443
Conc: 10.81 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 27164269
Conc: 10.96 ng/ml



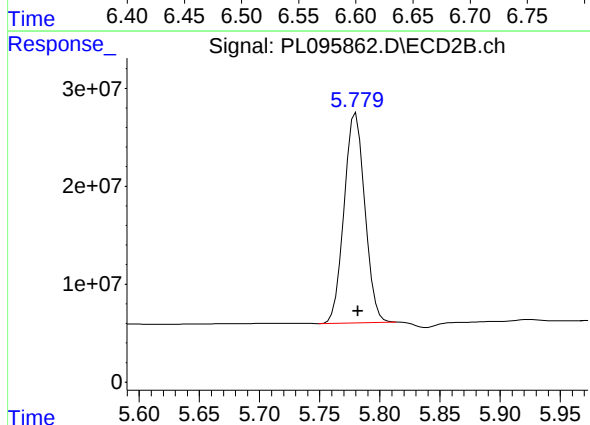
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 169370588
Conc: 52.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

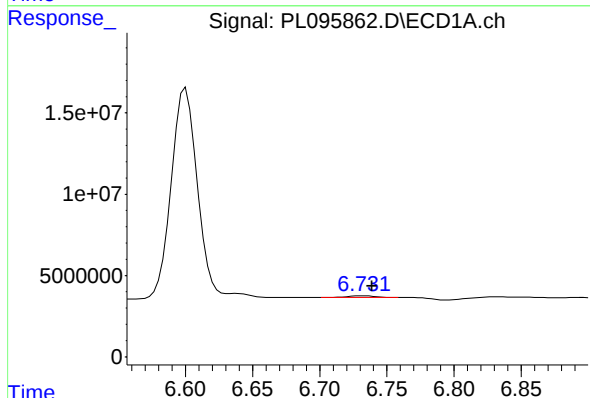
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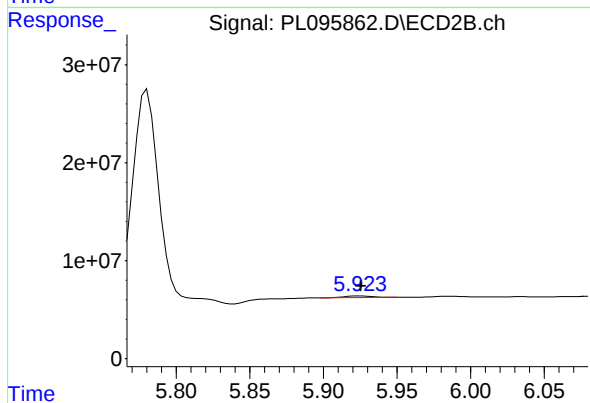
#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 257941176
Conc: 52.90 ng/ml



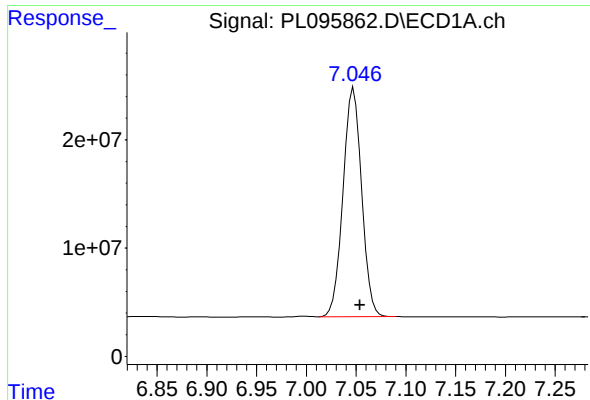
#16 4,4'-DDD

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 1510564
Conc: 0.52 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 2419276
Conc: 0.55 ng/ml



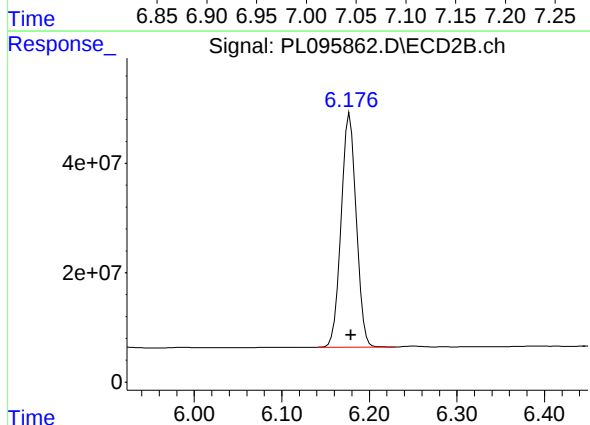
#17 4,4'-DDT

R.T.: 7.048 min
Delta R.T.: -0.006 min
Response: 275605875
Conc: 101.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

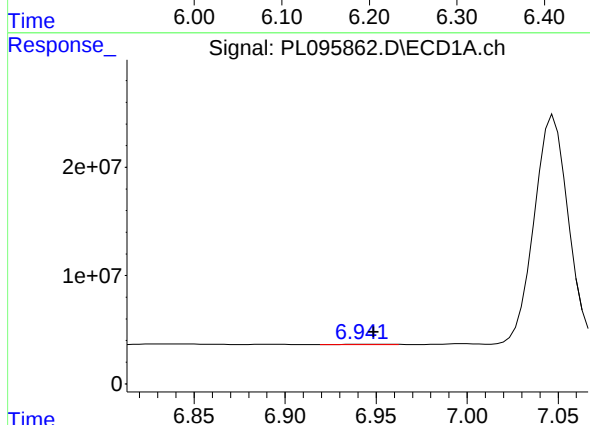
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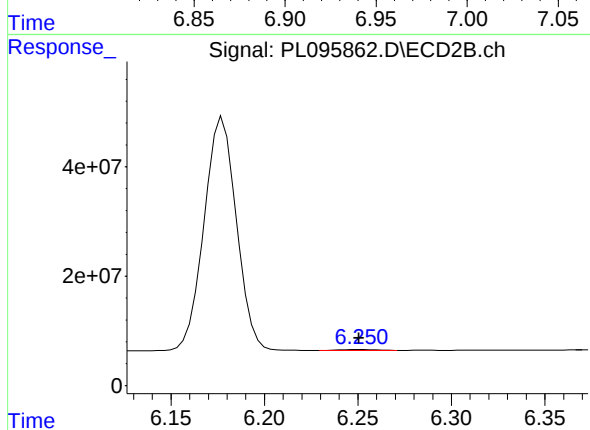
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 513587122
Conc: 107.39 ng/ml



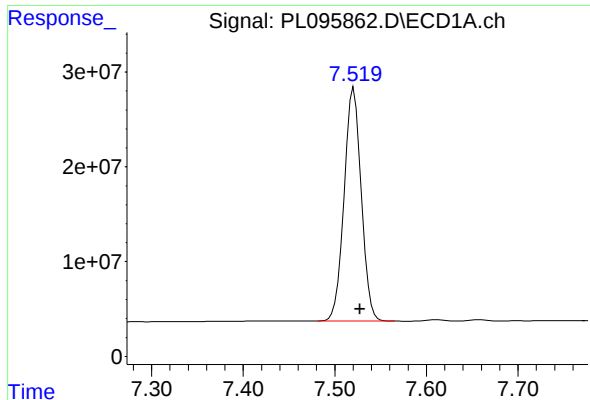
#18 Endrin aldehyde

R.T.: 6.941 min
Delta R.T.: -0.008 min
Response: 345499
Conc: 0.14 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 2094155
Conc: 0.61 ng/ml m



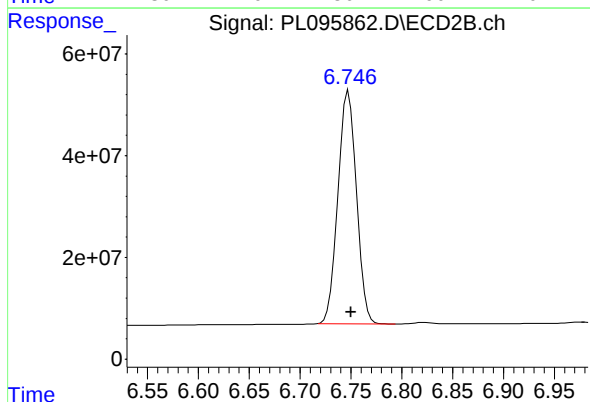
#20 Methoxychlor

R.T.: 7.519 min
Delta R.T.: -0.008 min
Response: 320563359
Conc: 251.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

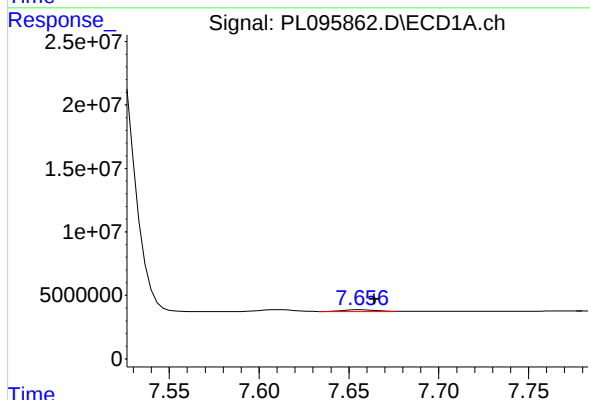
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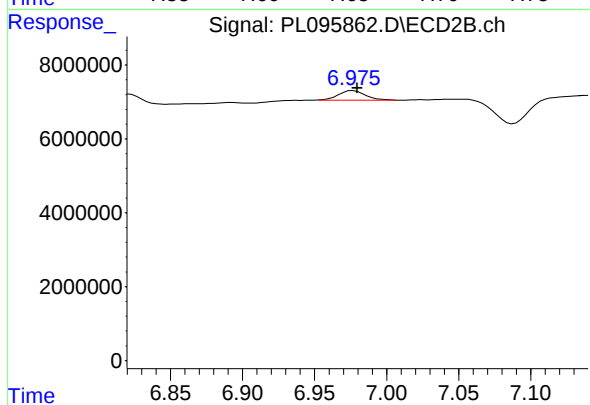
#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.003 min
Response: 582237335
Conc: 222.56 ng/ml



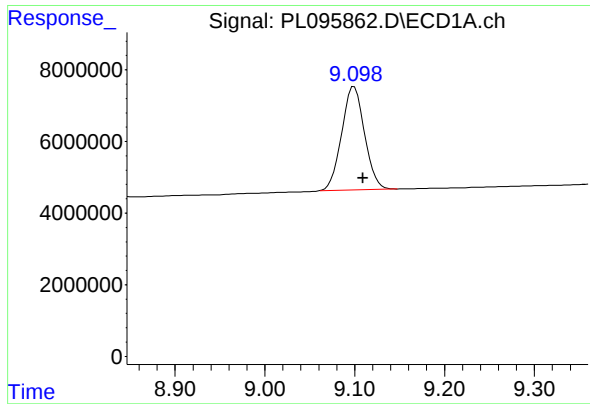
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 1787334
Conc: 0.56 ng/ml m



#21 Endrin ketone

R.T.: 6.975 min
Delta R.T.: -0.004 min
Response: 3360771
Conc: 0.65 ng/ml m



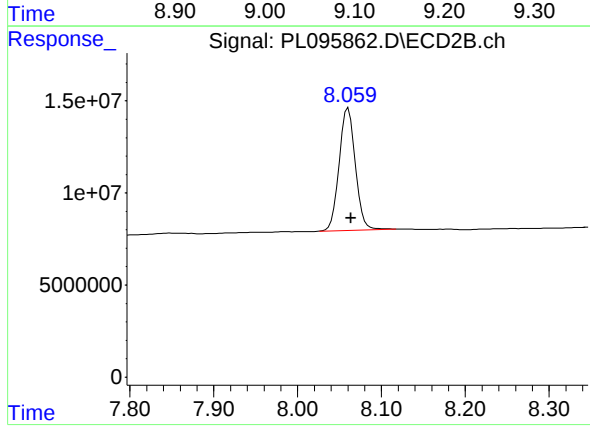
#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 51065571
Conc: 21.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.003 min
Response: 89082971
Conc: 20.36 ng/ml