

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060525\
 Data File : PL095938.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Jun 2025 10:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/06/2025
 Supervised By :mohammad ahmed 06/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 06 00:49:13 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...	3.573	2.886	76014130	91706558	24.091	23.431
28) SA Decachlor...	9.099	8.060	48284403	80592629	20.491	18.423
Target Compounds						
2) A alpha-BHC	4.024	3.395	55626465	65732568	11.474	11.222
3) MA gamma-BHC...	4.356	3.728	52462775	63310561	11.732	11.303
6) B beta-BHC	4.543	4.024	23374547	29326171	11.857	11.837
12) B 4,4'-DDE	6.221	5.373	1031456	772016	0.281m	0.144m#
14) MA Endrin	6.601	5.778	158.8E6	249.4E6	49.229	51.152m
16) A 4,4'-DDD	6.733	5.923	22708670	29367261	7.749	6.697
17) MA 4,4'-DDT	7.048	6.176	239.6E6	451.6E6	88.558	94.426
18) B Endrin al...	6.942	6.248	1937439	3877161	0.801m	1.122m#
20) A Methoxychlor	7.520	6.747	276.8E6	510.2E6	217.053	195.040
21) B Endrin ke...	7.657	6.976	10310593	16726190	3.256	3.233

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

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Data File : PL095938.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 Jun 2025 10:25
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

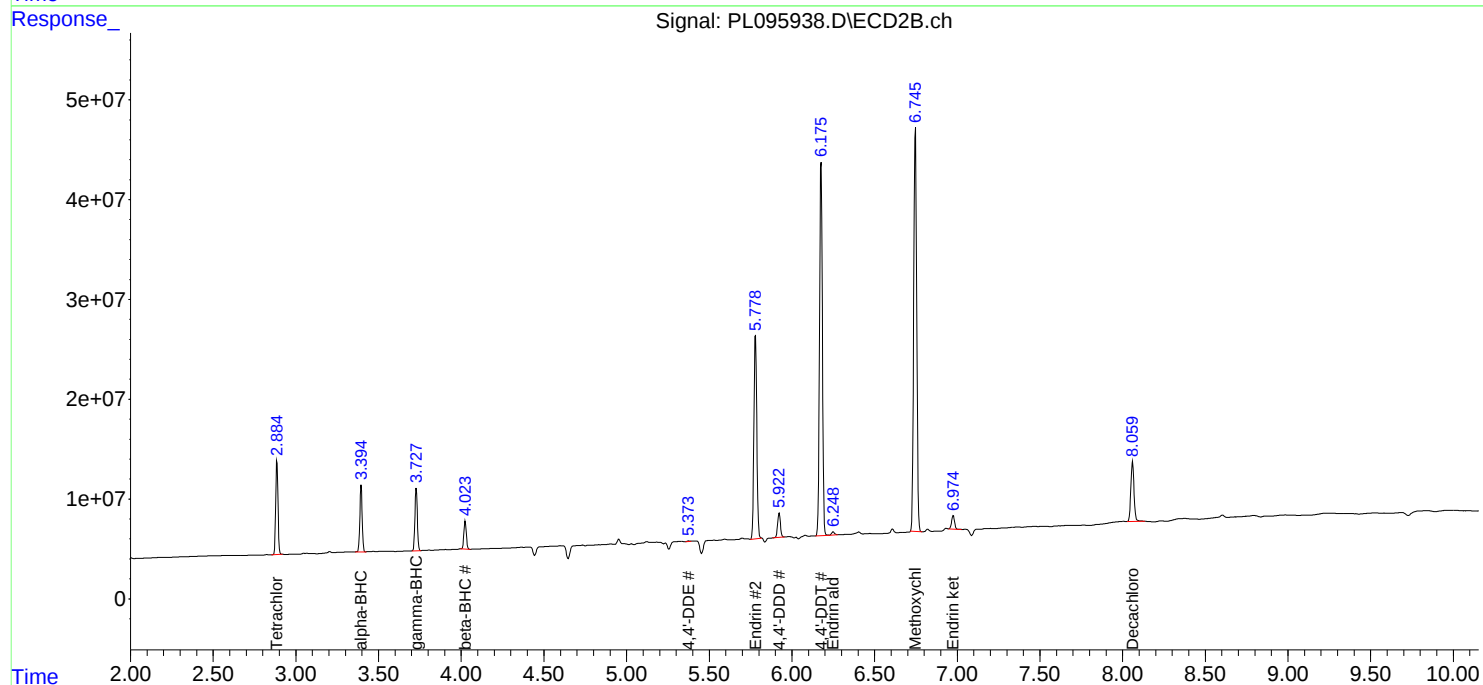
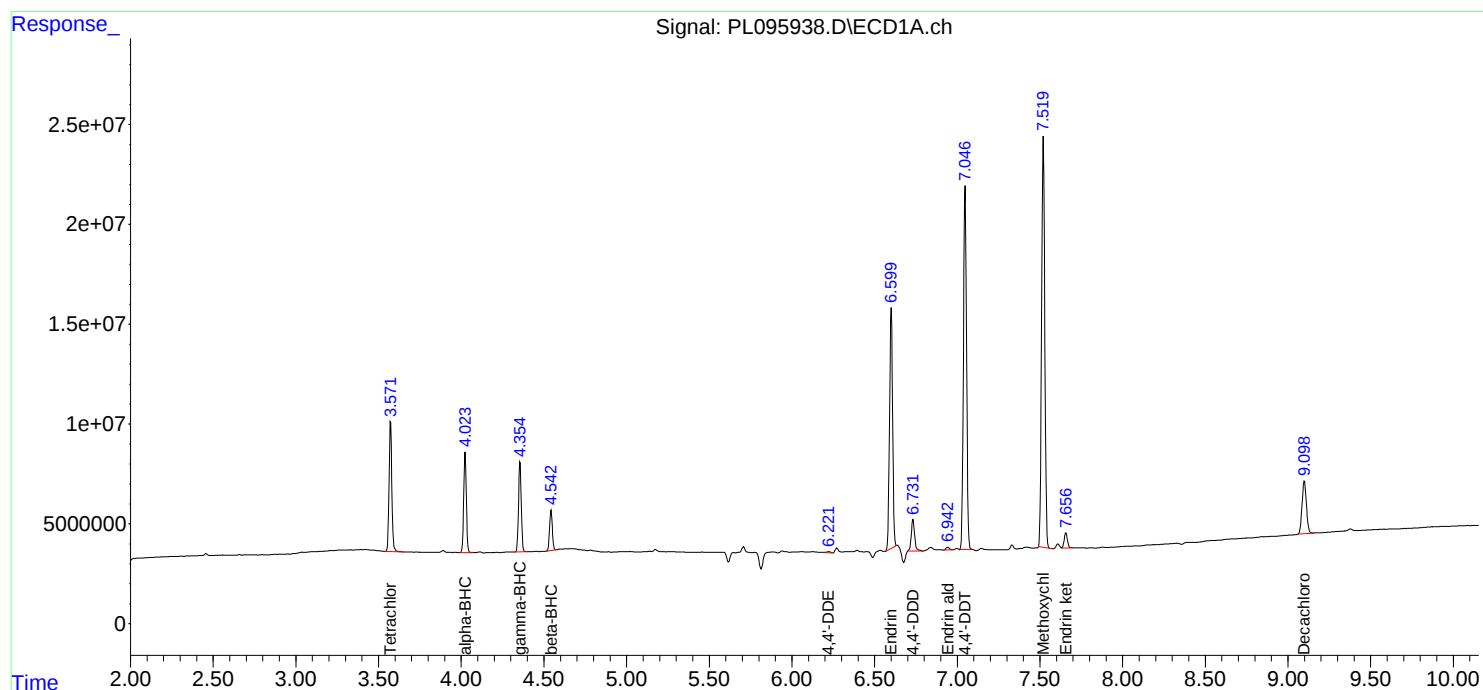
Instrument :
ECD_L
ClientSampleId :
PEM

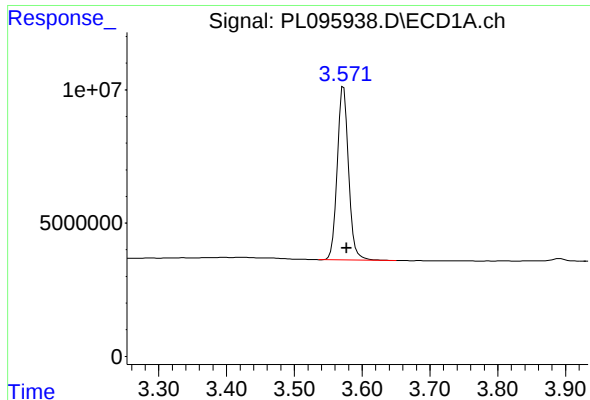
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 06 00:49:13 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 2025
Response 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





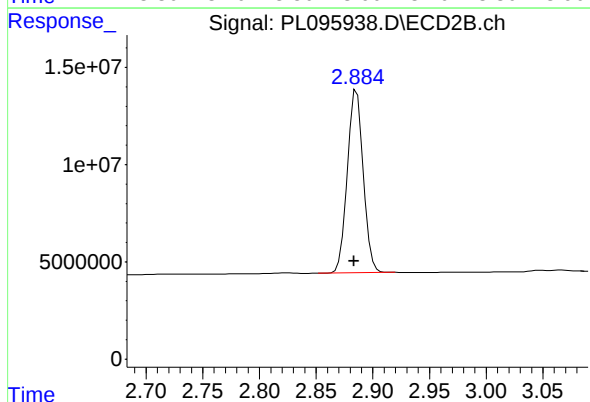
#1 Tetrachloro-m-xylene

R.T.: 3.573 min
Delta R.T.: -0.004 min
Response: 76014130
Conc: 24.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

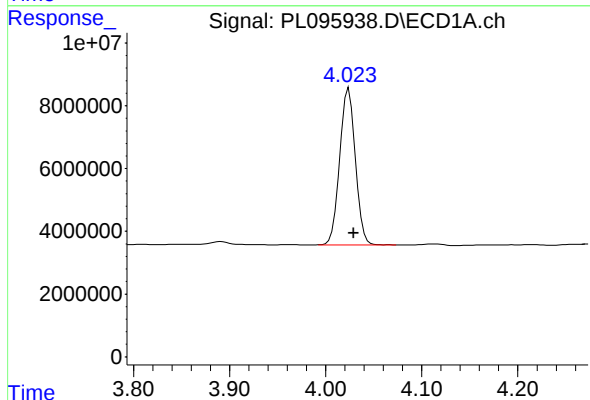
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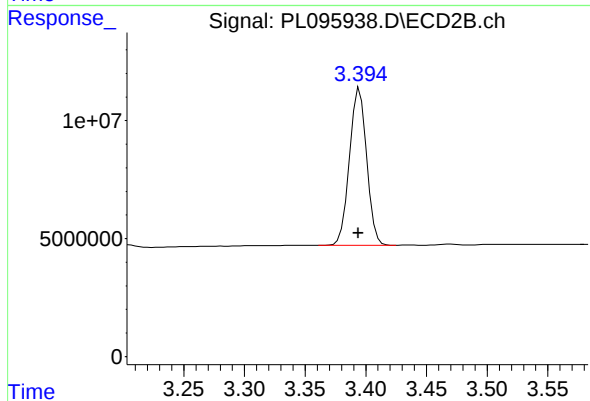
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 91706558
Conc: 23.43 ng/ml



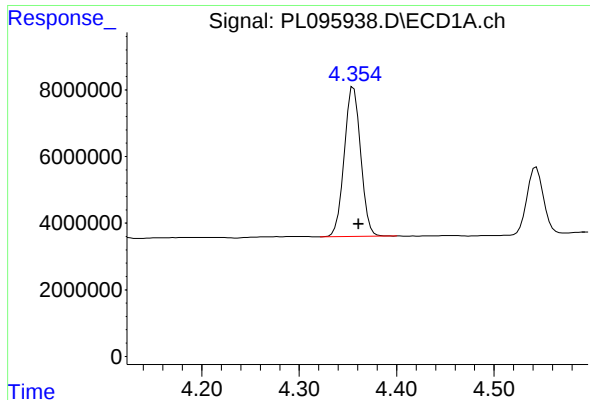
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 55626465
Conc: 11.47 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 65732568
Conc: 11.22 ng/ml



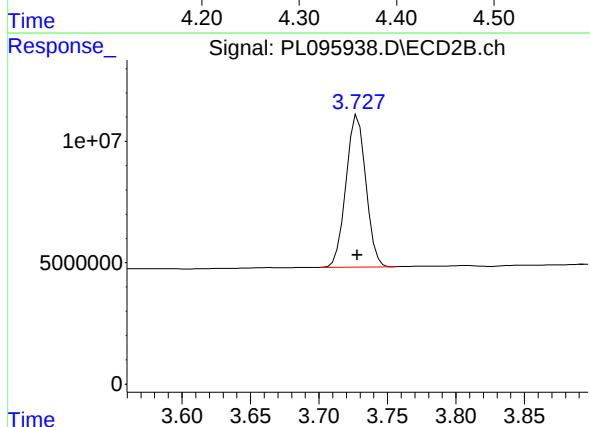
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 52462775
Conc: 11.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

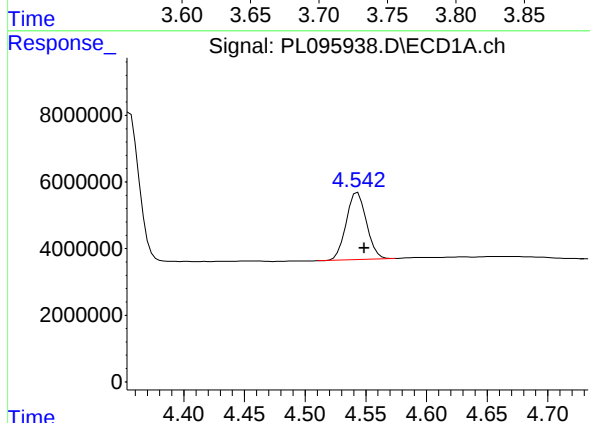
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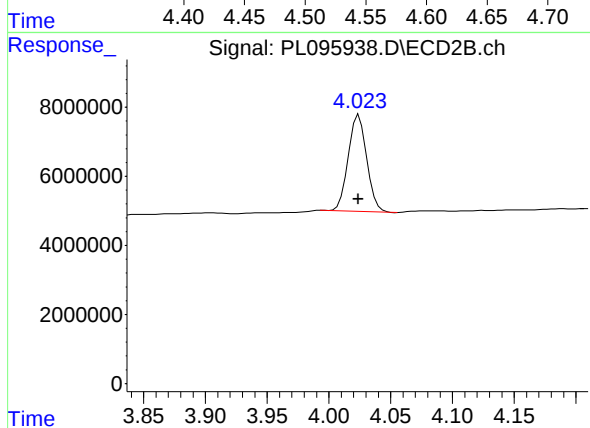
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 63310561
Conc: 11.30 ng/ml



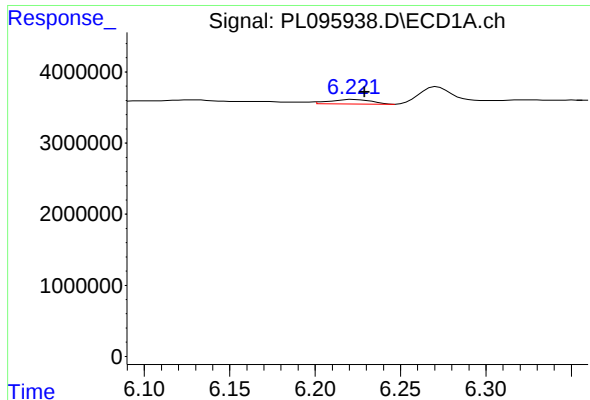
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.005 min
Response: 23374547
Conc: 11.86 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 29326171
Conc: 11.84 ng/ml



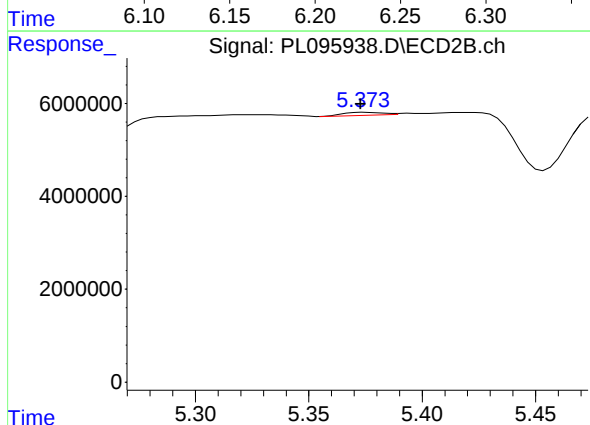
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: -0.008 min
Response: 1031456
Conc: 0.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

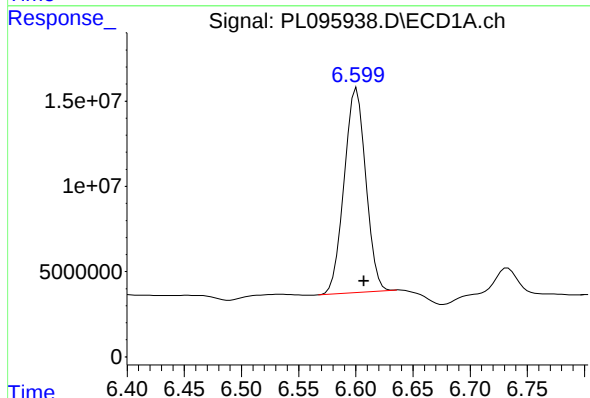
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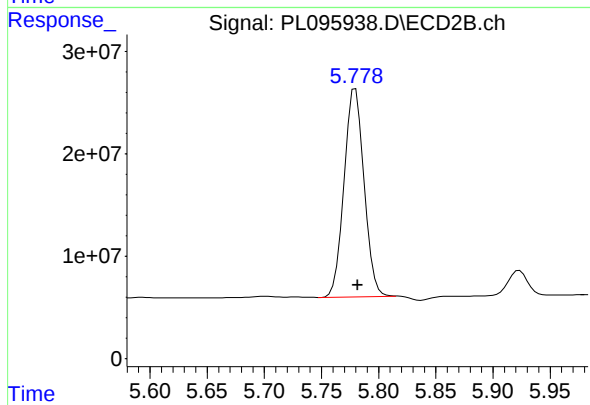
#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.000 min
Response: 772016
Conc: 0.14 ng/ml



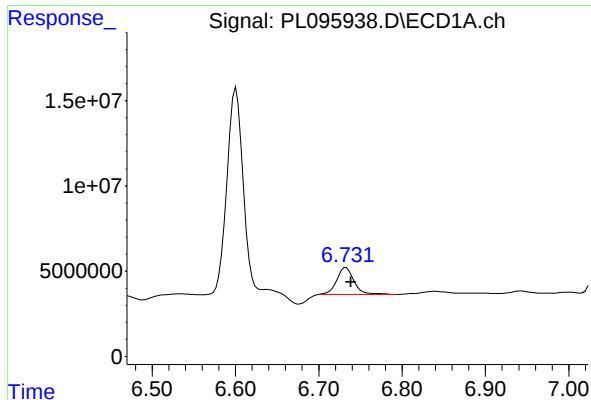
#14 Endrin

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 158848810
Conc: 49.23 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 249422753
Conc: 51.15 ng/ml



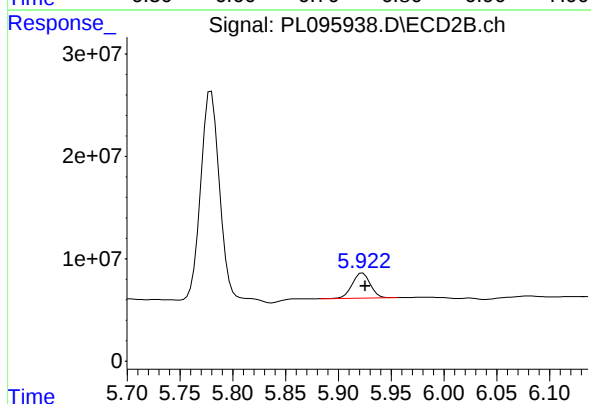
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: -0.006 min
Response: 22708670
Conc: 7.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

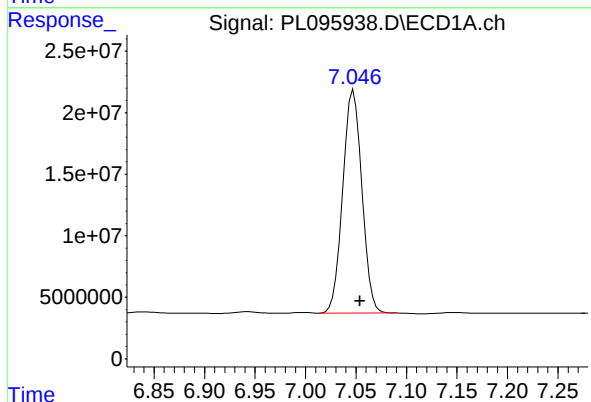
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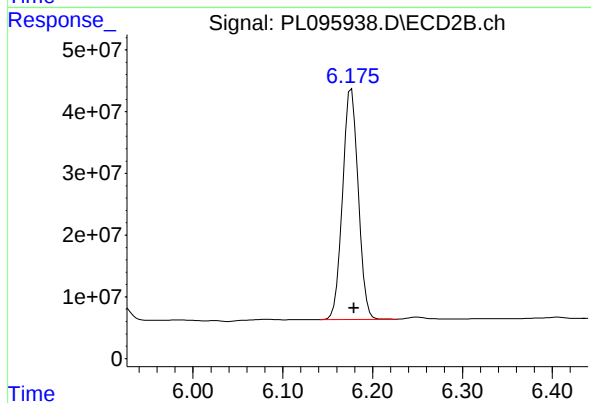
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 29367261
Conc: 6.70 ng/ml



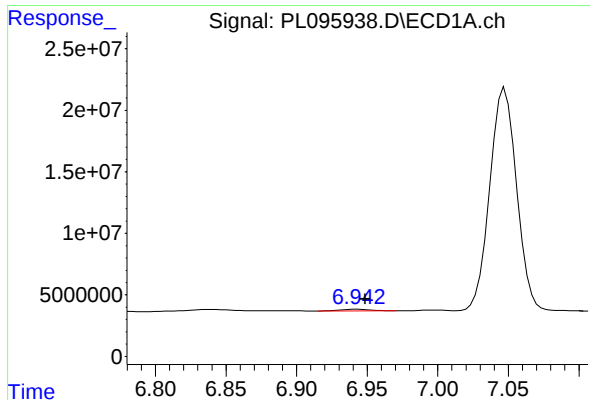
#17 4,4'-DDT

R.T.: 7.048 min
Delta R.T.: -0.006 min
Response: 239562413
Conc: 88.56 ng/ml



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 451602767
Conc: 94.43 ng/ml



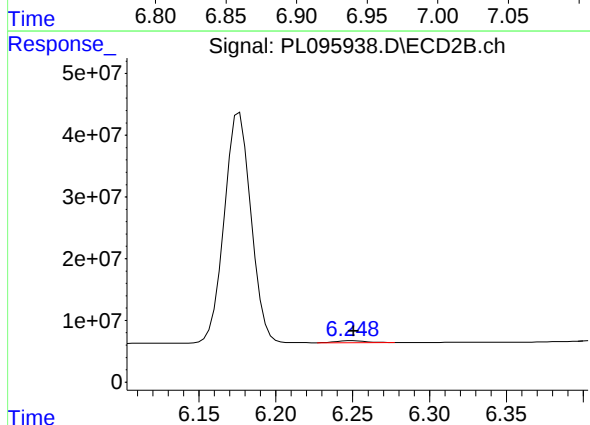
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.007 min
Response: 1937439
Conc: 0.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

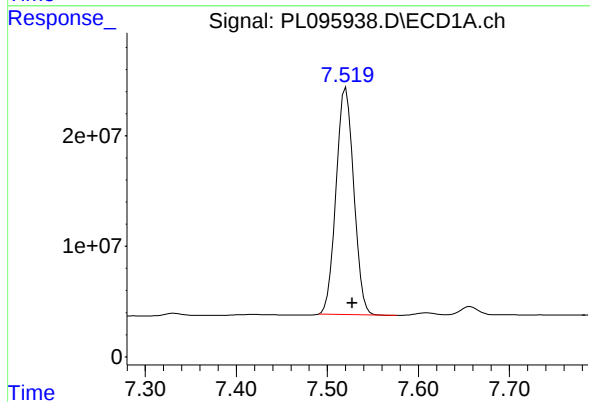
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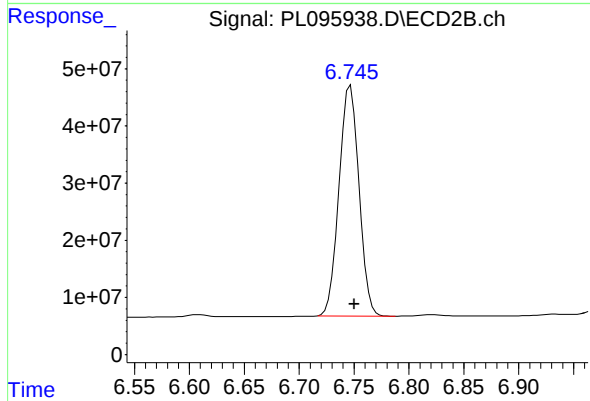
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 3877161
Conc: 1.12 ng/ml



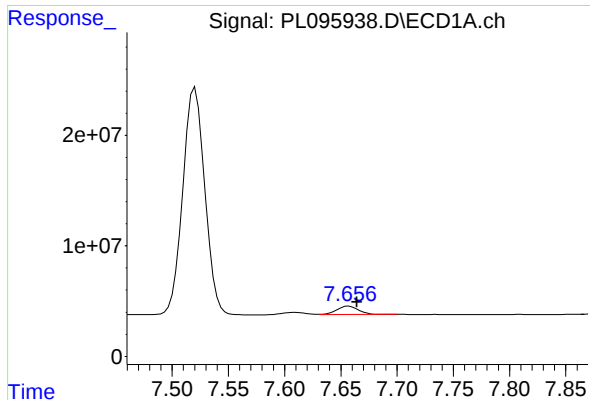
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.007 min
Response: 276812627
Conc: 217.05 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.003 min
Response: 510244453
Conc: 195.04 ng/ml



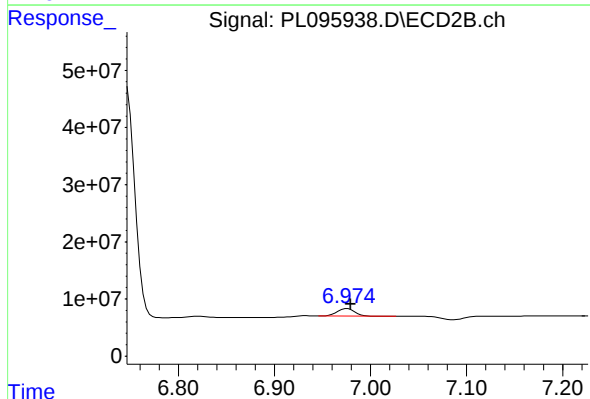
#21 Endrin ketone

R.T.: 7.657 min
Delta R.T.: -0.007 min
Response: 10310593
Conc: 3.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

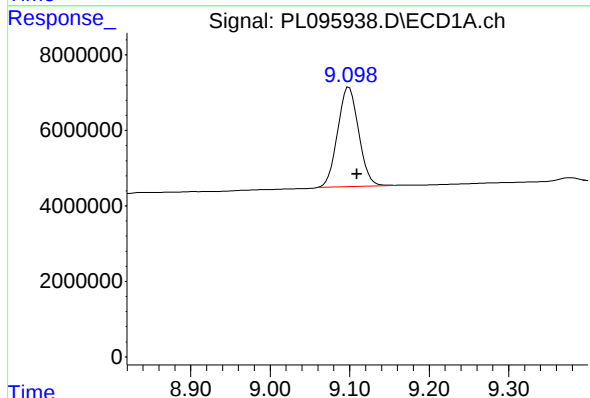
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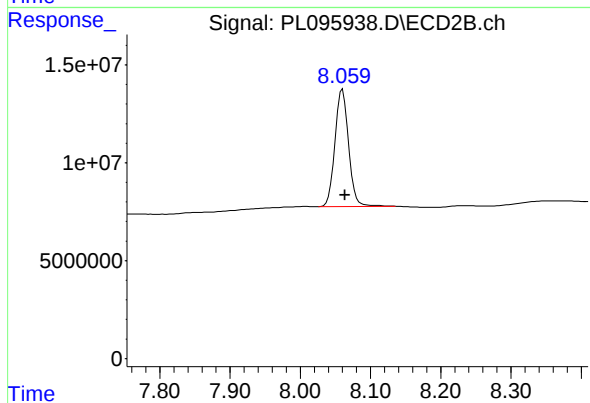
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 16726190
Conc: 3.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 48284403
Conc: 20.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 80592629
Conc: 18.42 ng/ml