

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060225\
 Data File : PL095868.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jun 2025 15:30
 Operator : AR\AJ
 Sample : Q2160-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP04-MHG-WCMS

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 21:52:49 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	47130204	56293326	14.937m	14.383
28) SA Decachlor...	9.100	8.061	33528479	56834260	14.229	12.992
Target Compounds						
2) A alpha-BHC	4.024	3.395	226.4E6	274.1E6	46.691	46.801
3) MA gamma-BHC...	4.356	3.729	208.8E6	258.7E6	46.698	46.191
4) MA Heptachlor	4.954	4.082	174.2E6	256.5E6	46.013	45.738
5) MB Aldrin	5.296	4.367	203.1E6	246.6E6	47.487	46.462
6) B beta-BHC	4.544	4.025	90228527	113.7E6	45.770	45.907
7) B delta-BHC	4.792	4.260	207.2E6	261.4E6	46.723	46.292
8) B Heptachlo...	5.718	4.869	182.1E6	229.0E6	47.718	46.381
9) A Endosulfan I	6.101	5.241	172.7E6	221.1E6	47.123	46.409
10) B gamma-Chl...	5.972	5.121	184.7E6	242.8E6	47.450	46.216
11) B alpha-Chl...	6.053	5.185	186.7E6	240.8E6	47.298	46.282
12) B 4,4'-DDE	6.223	5.372	173.4E6	242.6E6	47.270	45.246
13) MA Dieldrin	6.374	5.506	183.3E6	240.8E6	47.492	45.435
14) MA Endrin	6.601	5.779	149.8E6	219.8E6	46.420	45.070m
15) B Endosulfa...	6.814	6.072	150.8E6	216.4E6	43.751	45.531
16) A 4,4'-DDD	6.734	5.924	135.2E6	198.2E6	46.141	45.201
17) MA 4,4'-DDT	7.049	6.177	126.9E6	214.8E6	46.898	44.920
18) B Endrin al...	6.943	6.249	113.1E6	156.0E6	46.790	45.148
19) B Endosulfa...	7.177	6.472	137.1E6	198.3E6	45.909	44.124
20) A Methoxychlor	7.522	6.748	61133580	112.8E6	47.936	43.134
21) B Endrin ke...	7.658	6.978	141.8E6	232.1E6	44.785	44.861
22) Mirex	8.139	7.171	107.1E6	181.2E6	46.288	44.617

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060225\
Data File : PL095868.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 15:30
Operator : AR\AJ
Sample : Q2160-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

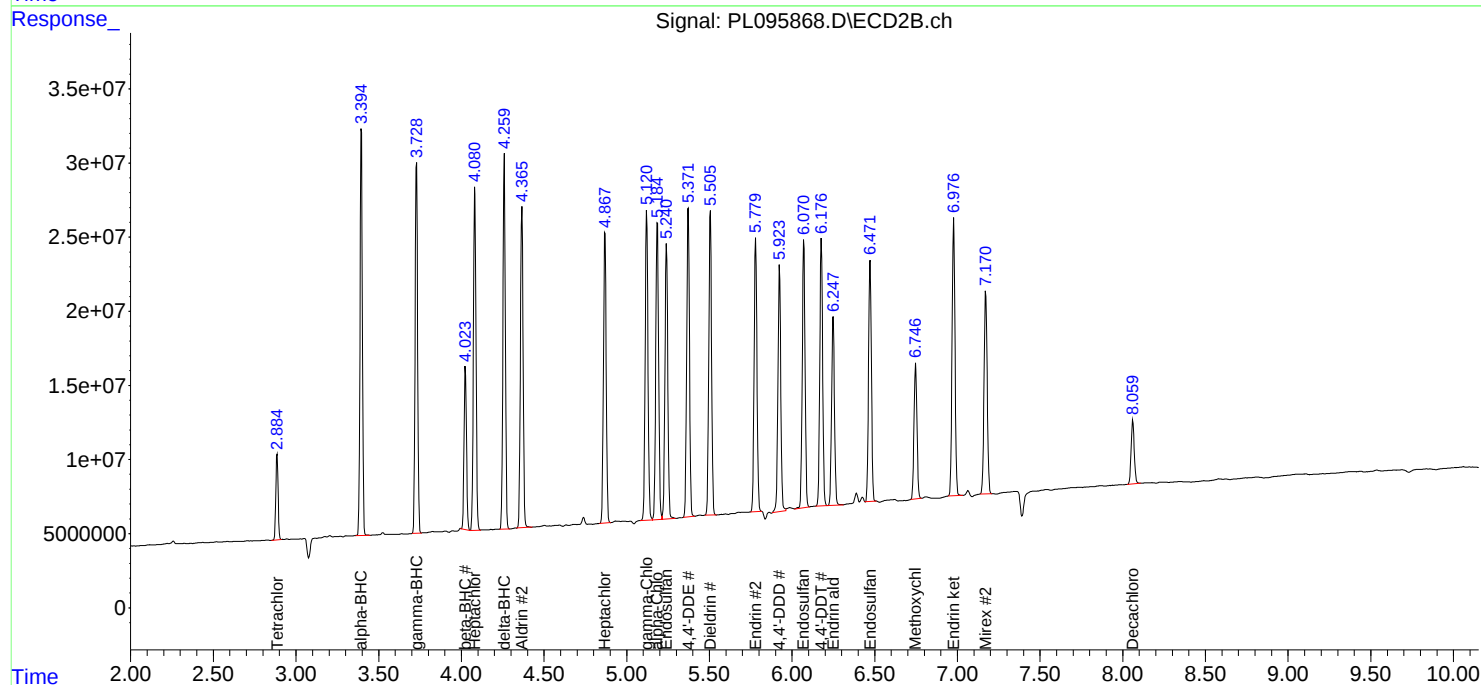
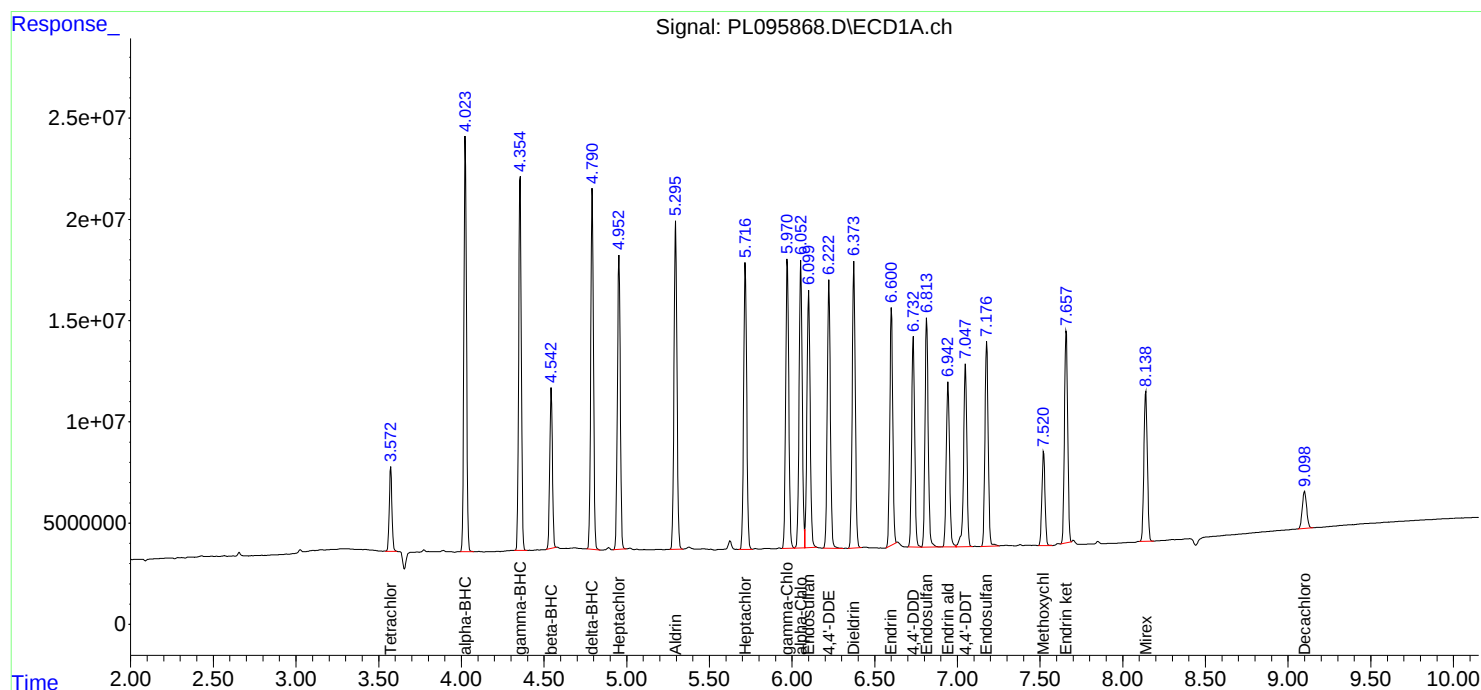
Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

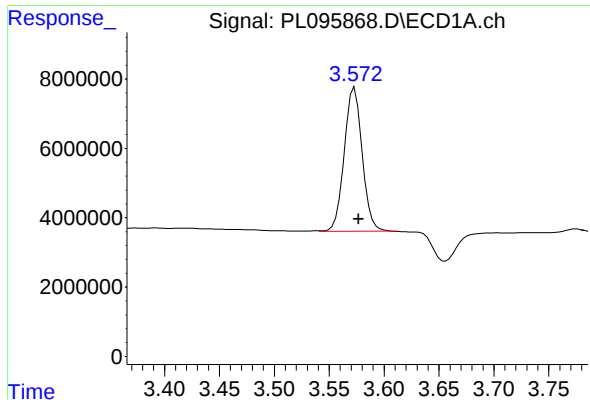
Manual Integrations
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Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 02 21:52:49 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





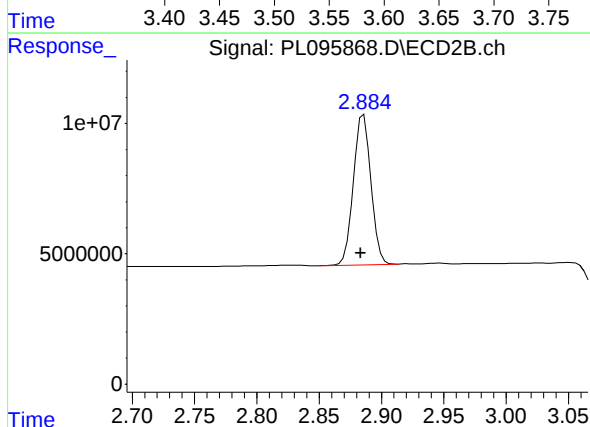
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 47130204
Conc: 14.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

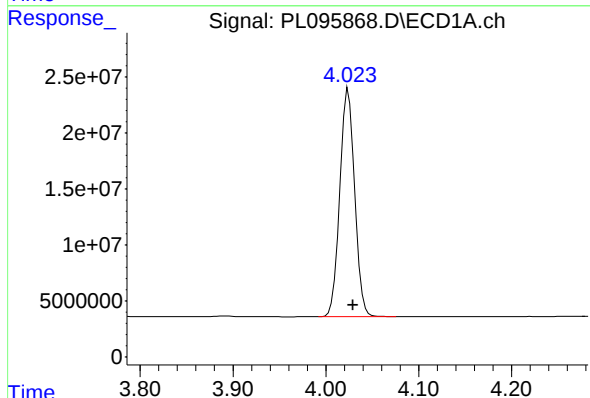
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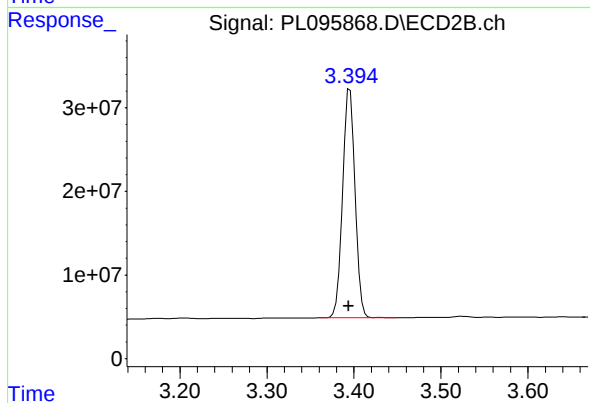
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 56293326
Conc: 14.38 ng/ml



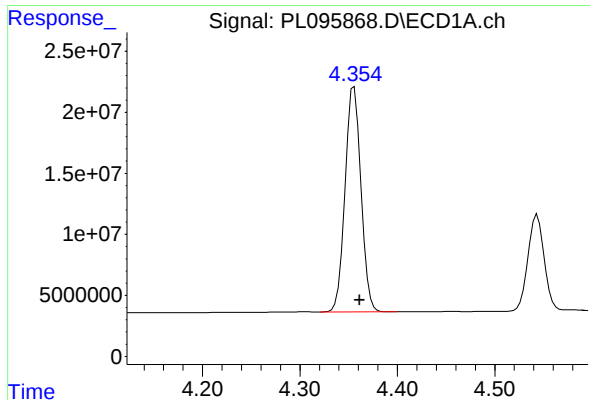
#2 alpha-BHC

R.T.: 4.024 min
Delta R.T.: -0.005 min
Response: 226354023
Conc: 46.69 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 274131627
Conc: 46.80 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.006 min
Response: 208827866
Conc: 46.70 ng/ml

Instrument :

ECD_L

ClientSampleId :

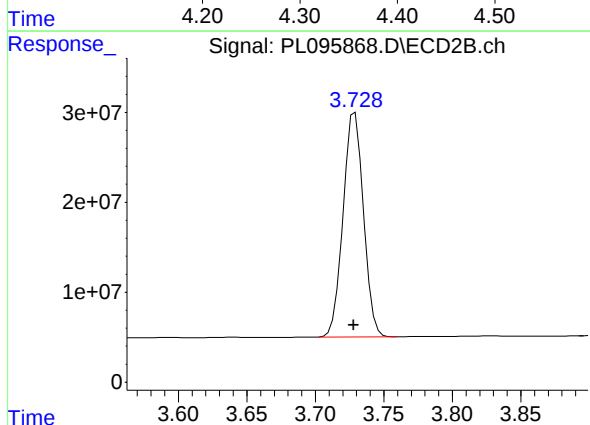
TP04-MHG-WCMS

Manual Integrations

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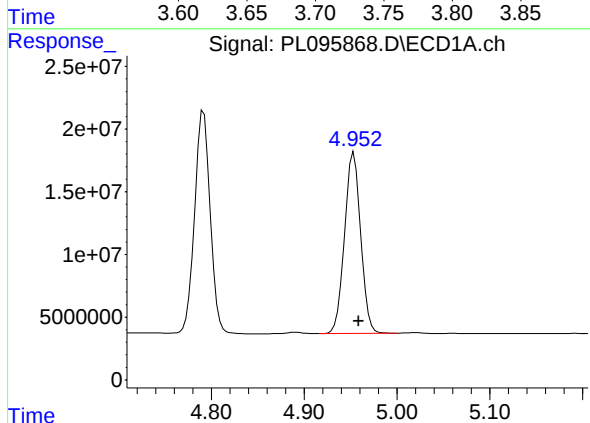
Reviewed By :Abdul Mirza 06/03/2025

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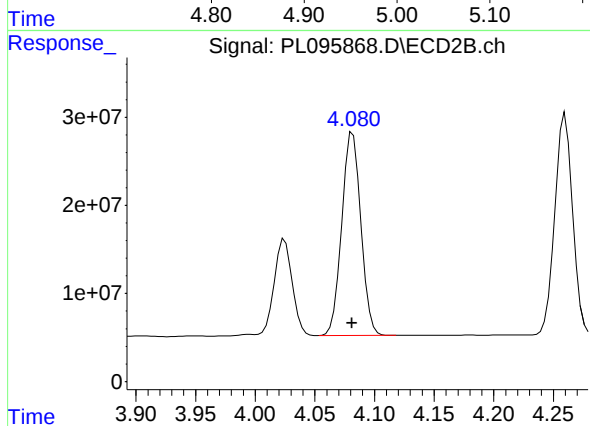
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.001 min
Response: 258724819
Conc: 46.19 ng/ml



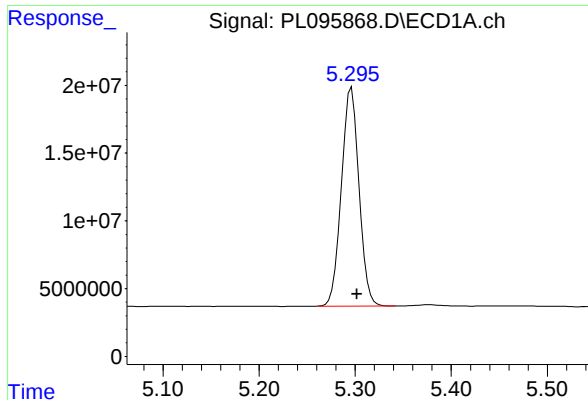
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 174160589
Conc: 46.01 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 256544841
Conc: 45.74 ng/ml



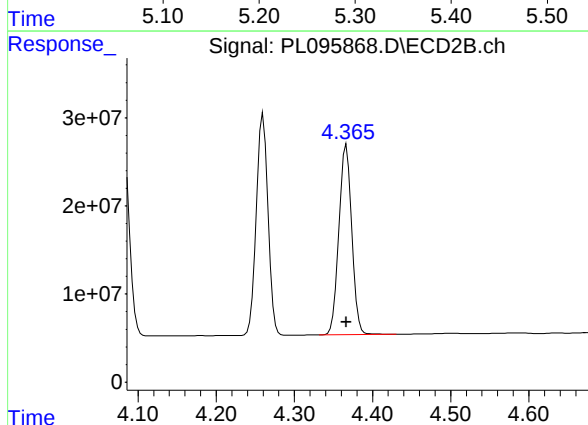
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 203136367
Conc: 47.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

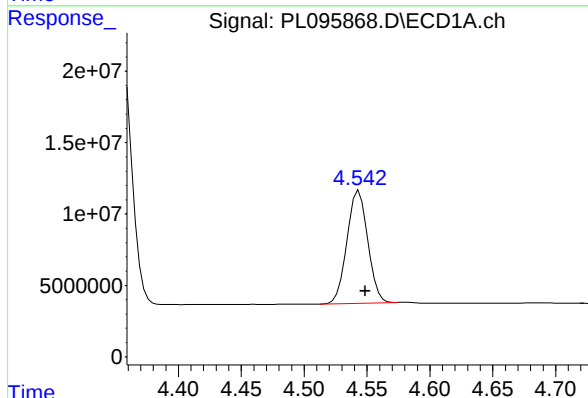
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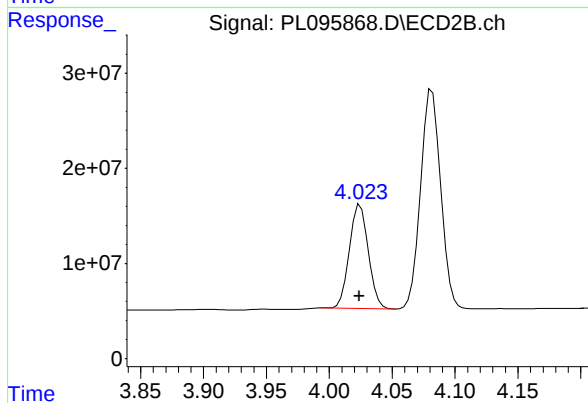
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.000 min
Response: 246579976
Conc: 46.46 ng/ml



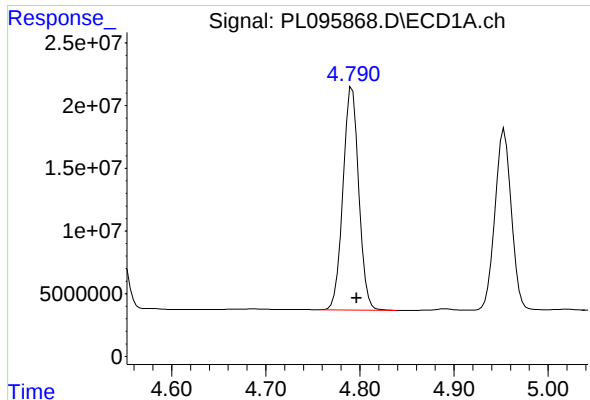
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 90228527
Conc: 45.77 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 113737957
Conc: 45.91 ng/ml



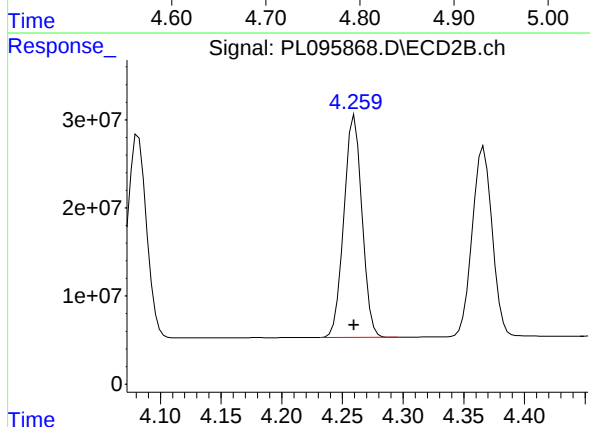
#7 delta-BHC

R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 207153227
Conc: 46.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

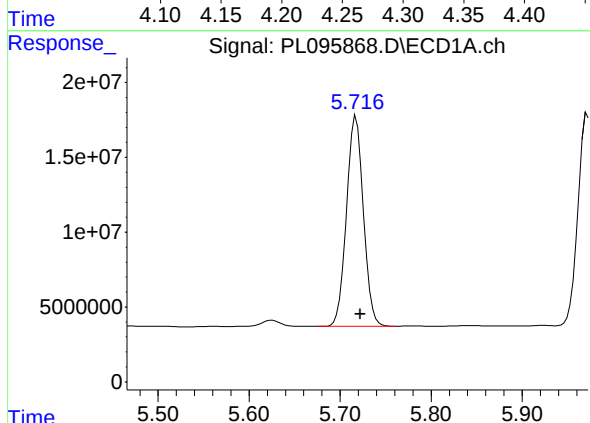
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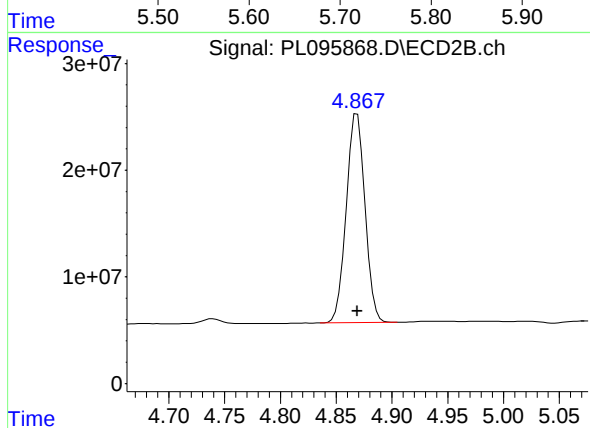
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 261429689
Conc: 46.29 ng/ml



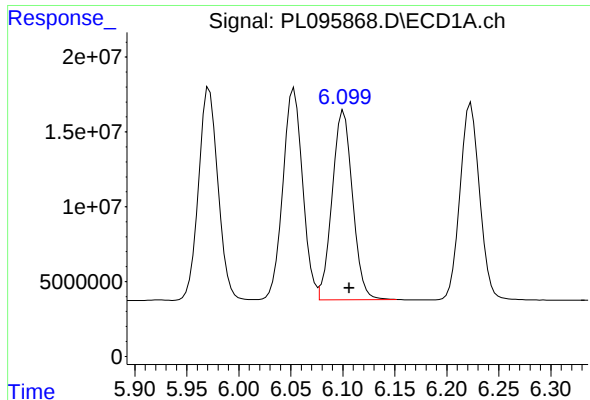
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.005 min
Response: 182132809
Conc: 47.72 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 229003687
Conc: 46.38 ng/ml



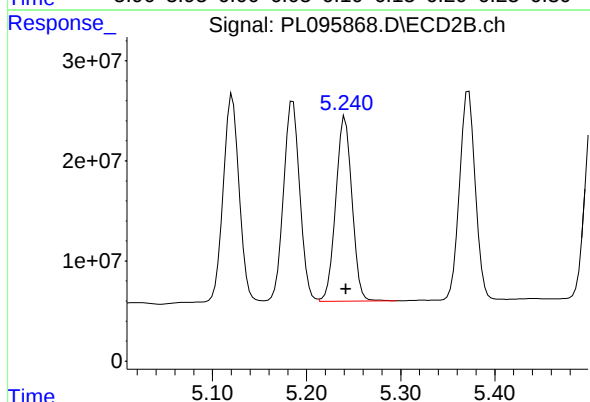
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 17269692
Conc: 47.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

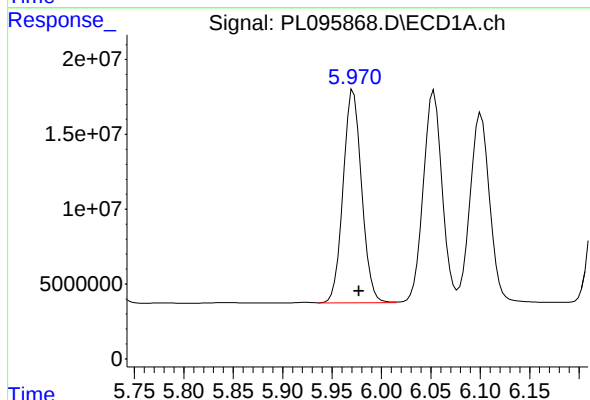
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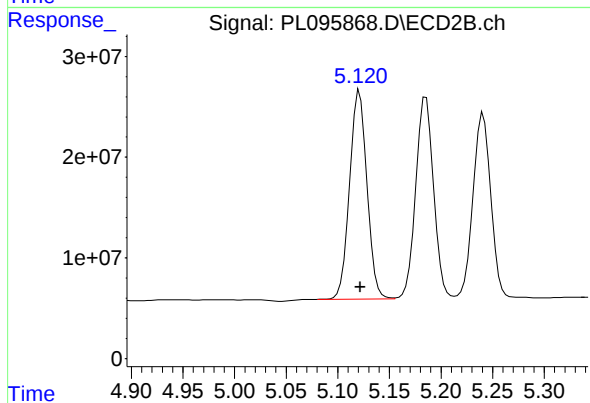
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 221136043
Conc: 46.41 ng/ml



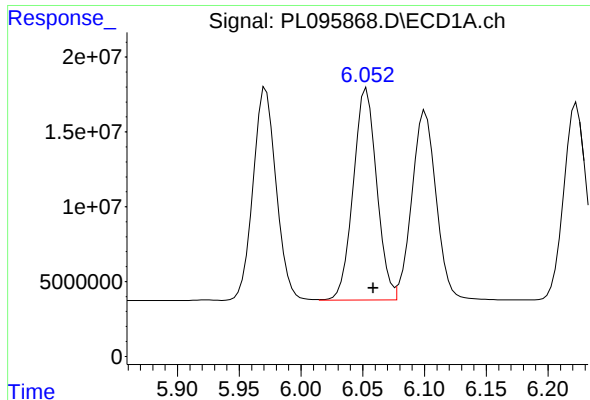
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.006 min
Response: 184678834
Conc: 47.45 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 242758914
Conc: 46.22 ng/ml



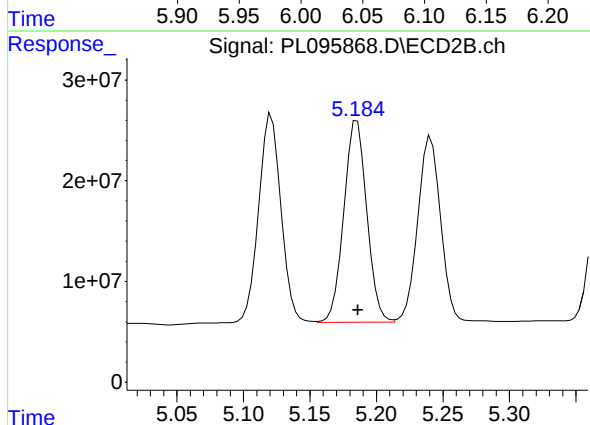
#11 alpha-Chlordane

R.T.: 6.053 min
Delta R.T.: -0.006 min
Response: 186740869
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

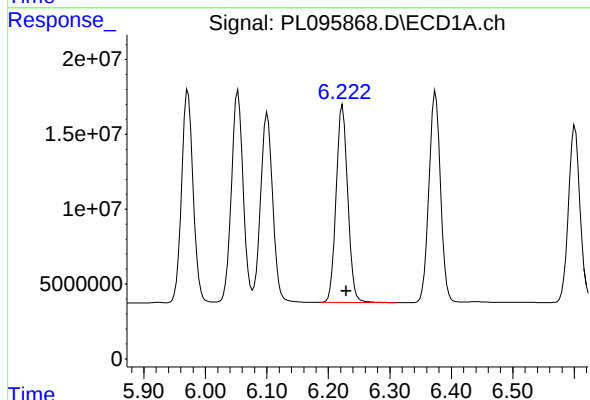
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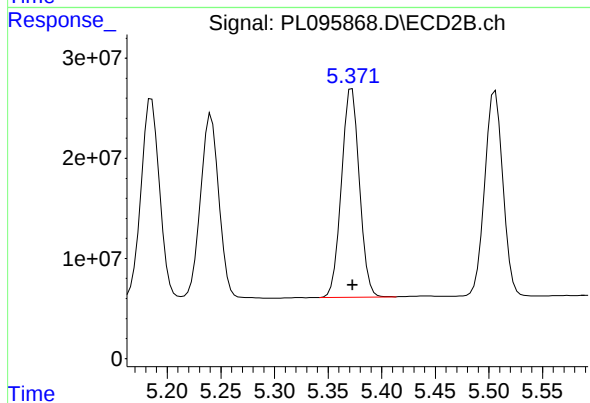
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 240793538
Conc: 46.28 ng/ml



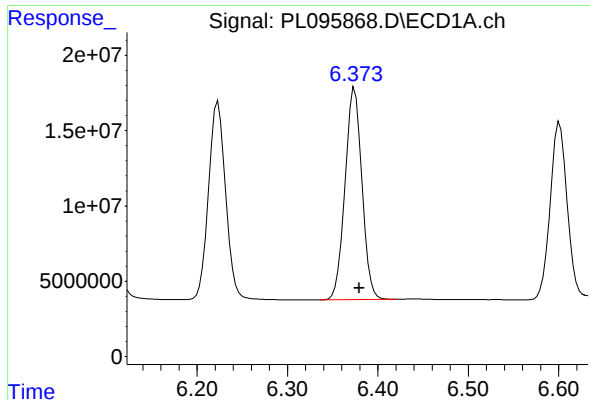
#12 4,4'-DDE

R.T.: 6.223 min
Delta R.T.: -0.006 min
Response: 173382050
Conc: 47.27 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 242615069
Conc: 45.25 ng/ml



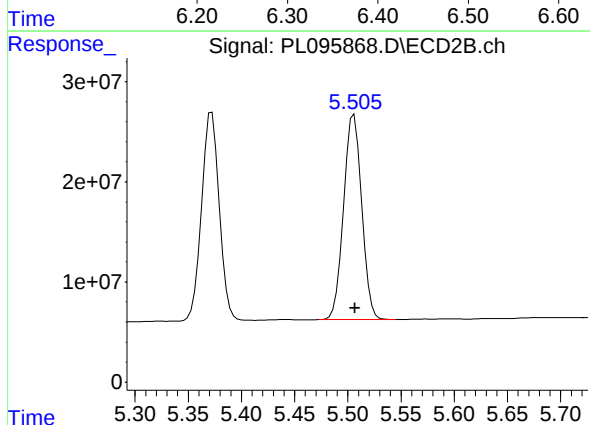
#13 Dieldrin

R.T.: 6.374 min
Delta R.T.: -0.005 min
Response: 183280922
Conc: 47.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

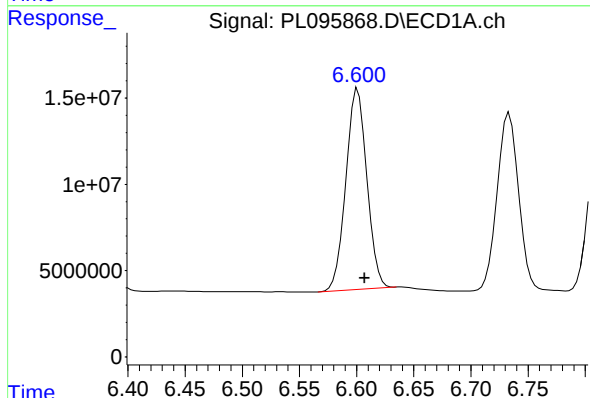
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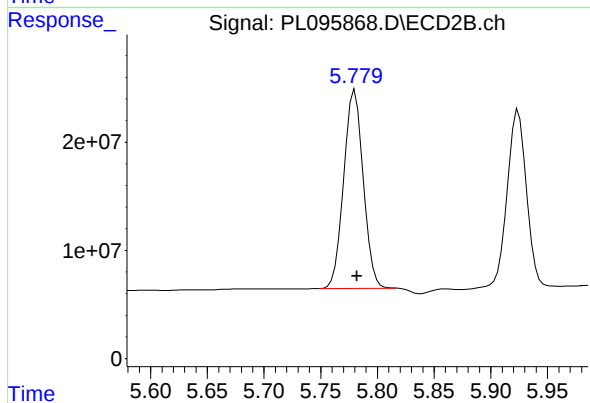
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 240809332
Conc: 45.43 ng/ml



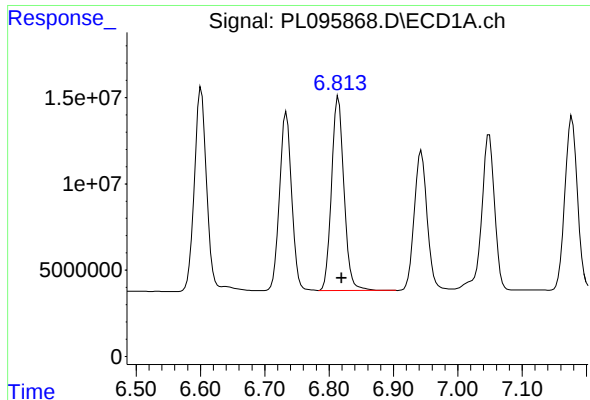
#14 Endrin

R.T.: 6.601 min
Delta R.T.: -0.006 min
Response: 149784387
Conc: 46.42 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 219765337
Conc: 45.07 ng/ml m



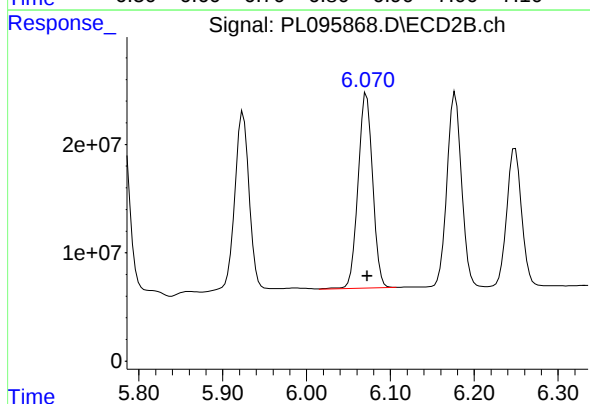
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.005 min
Response: 150769545
Conc: 43.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

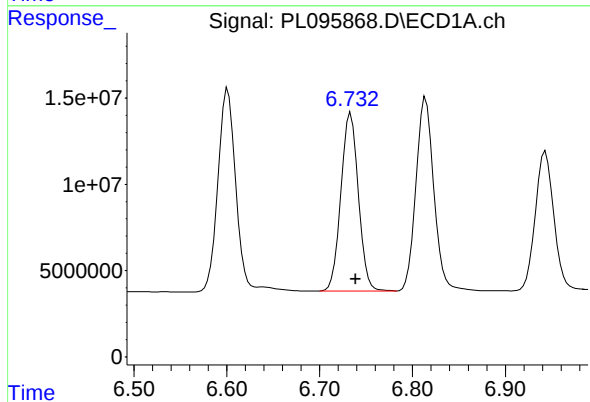
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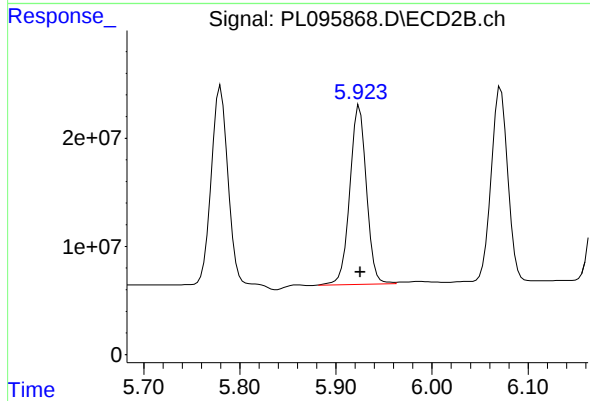
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 216352776
Conc: 45.53 ng/ml



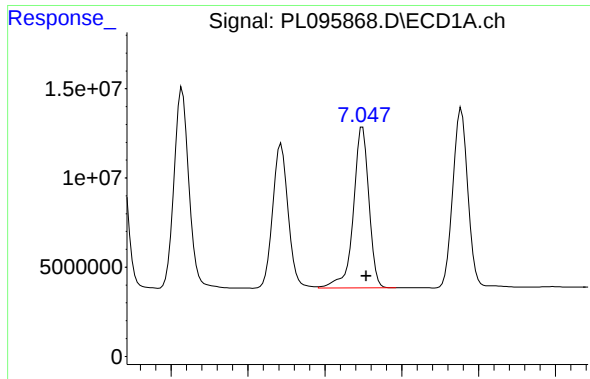
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 135221820
Conc: 46.14 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 198204308
Conc: 45.20 ng/ml



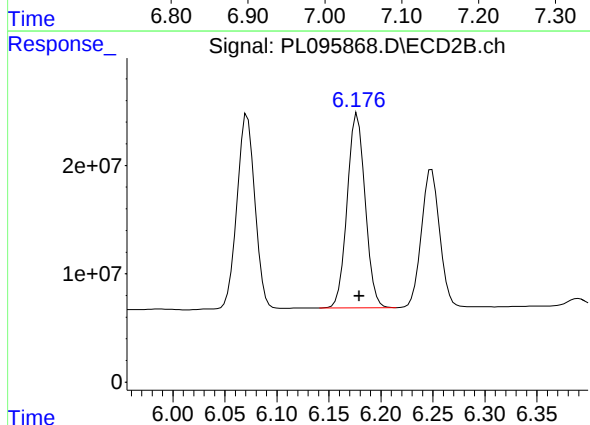
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 126864334
Conc: 46.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

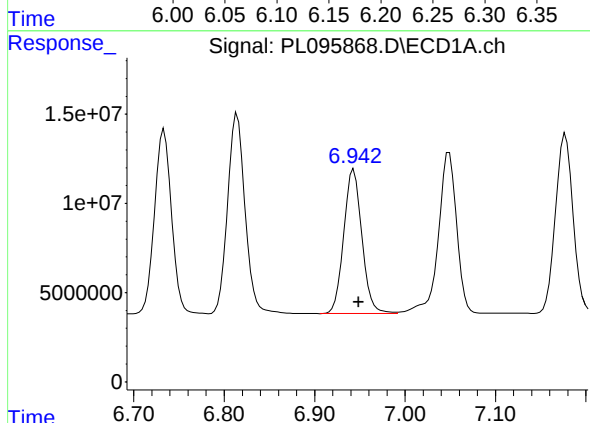
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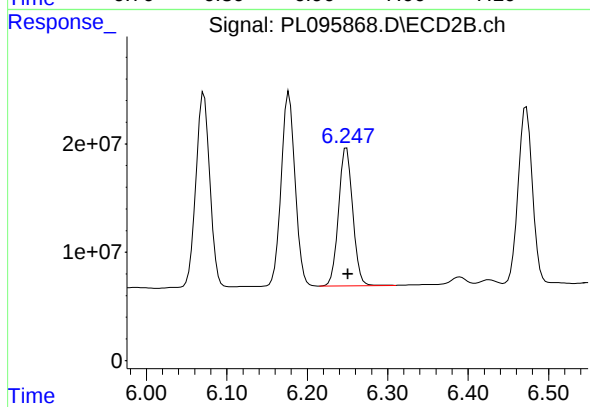
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 214834258
Conc: 44.92 ng/ml



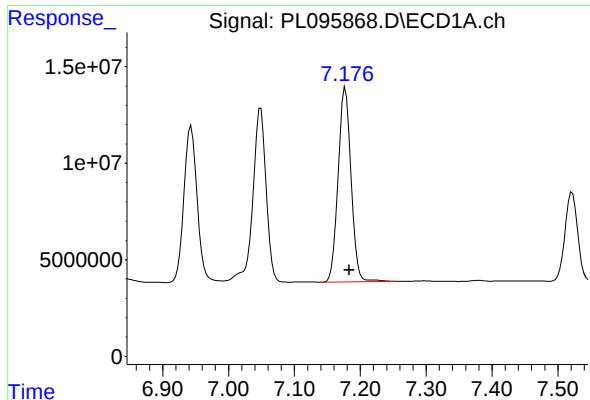
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: -0.005 min
Response: 113119728
Conc: 46.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 155954330
Conc: 45.15 ng/ml



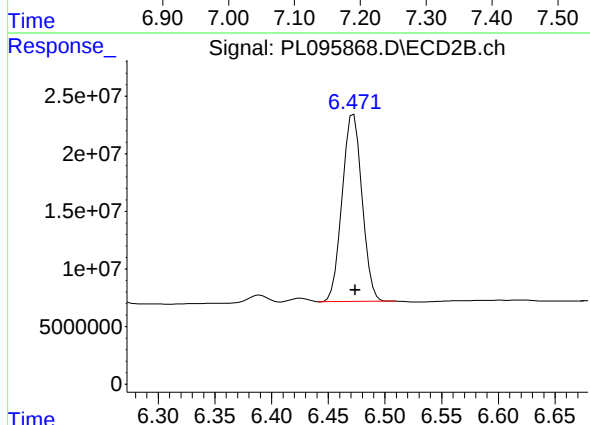
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: -0.006 min
Response: 137126880
Conc: 45.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

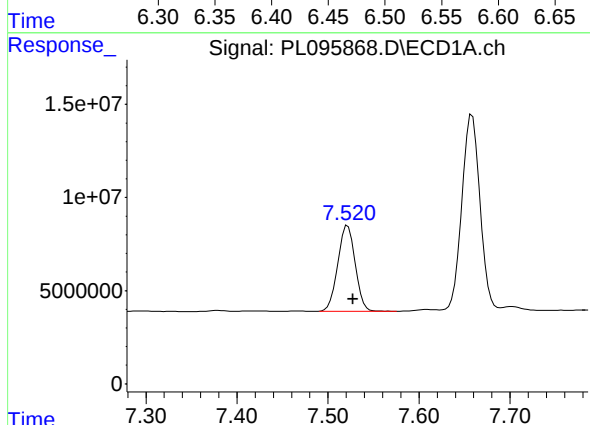
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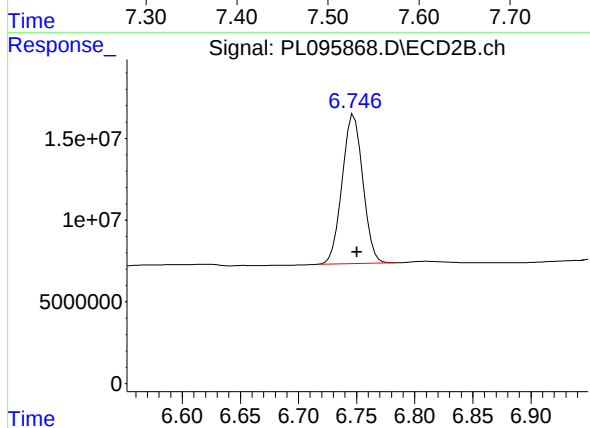
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 198324873
Conc: 44.12 ng/ml



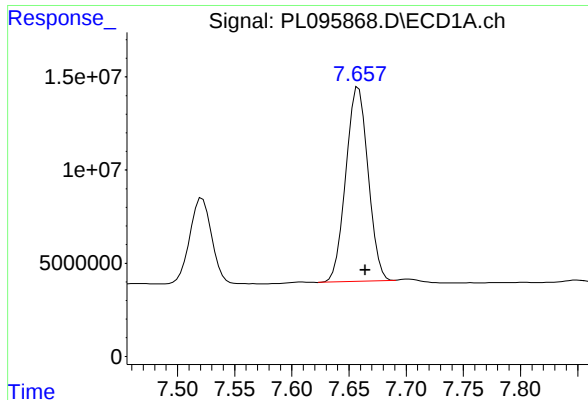
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.006 min
Response: 61133580
Conc: 47.94 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 112843300
Conc: 43.13 ng/ml



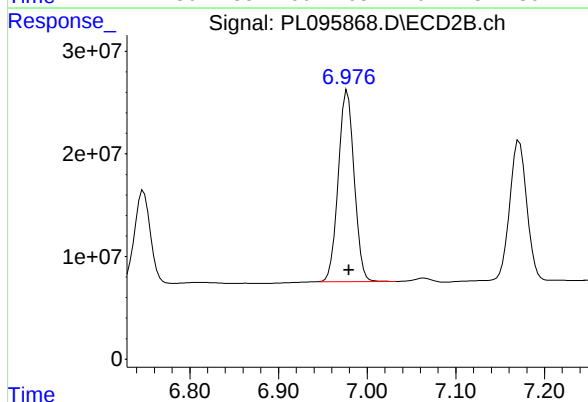
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.006 min
Response: 141829380
Conc: 44.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

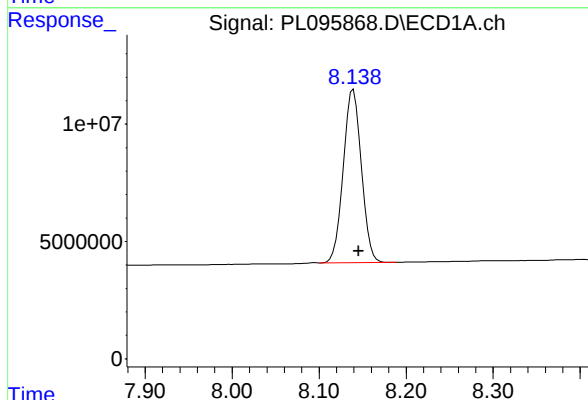
Manual Integrations
APPROVED

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



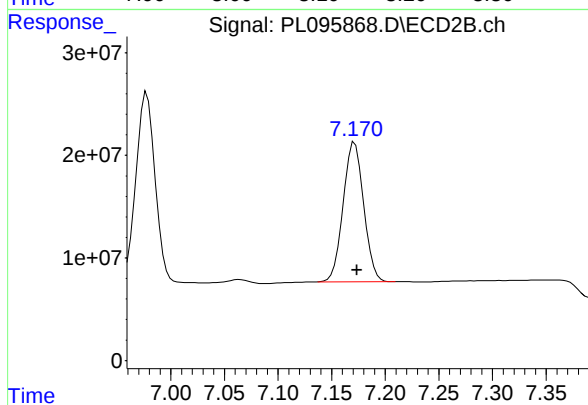
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 232105526
Conc: 44.86 ng/ml



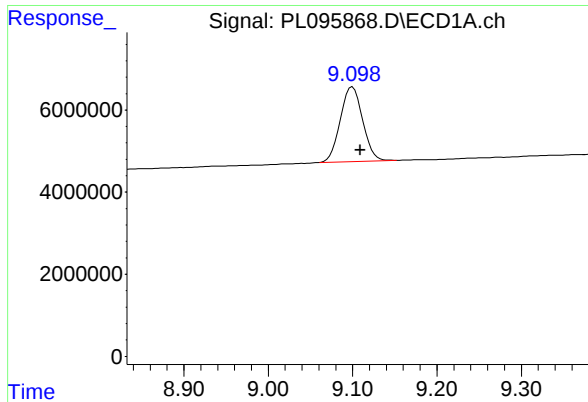
#22 Mirex

R.T.: 8.139 min
Delta R.T.: -0.006 min
Response: 107100208
Conc: 46.29 ng/ml



#22 Mirex

R.T.: 7.171 min
Delta R.T.: -0.002 min
Response: 181166577
Conc: 44.62 ng/ml



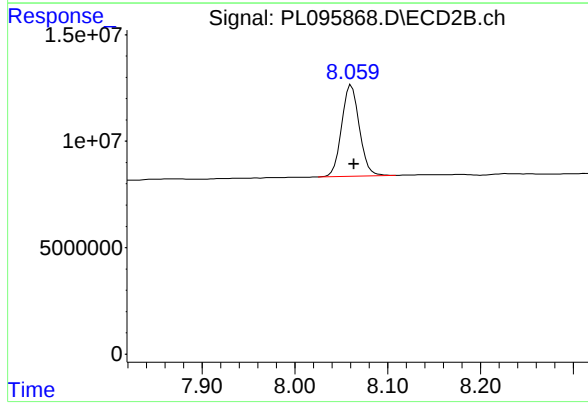
#28 Decachlorobiphenyl

R.T.: 9.100 min
Delta R.T.: -0.009 min
Response: 33528479
Conc: 14.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 56834260
Conc: 12.99 ng/ml