

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080625\
 Data File : PL096718.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2025 12:48
 Operator : AR\AJ
 Sample : PB169137BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169137BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/07/2025
 Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 06 22:29:18 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.531	2.824	60087329	101.9E6	18.891	21.331
28)	SA Decachlor...	9.010	7.988	46843960	96264607	19.644	22.189
Target Compounds							
2)	A alpha-BHC	3.979	3.330	227.8E6	390.4E6	49.230	55.165
3)	MA gamma-BHC...	4.307	3.662	214.3E6	363.7E6	48.440	55.076
4)	MA Heptachlor	4.899	4.011	213.3E6	358.0E6	51.335	53.734
5)	MB Aldrin	5.239	4.294	206.3E6	337.0E6	47.965	54.292
6)	B beta-BHC	4.494	3.958	88741233	151.2E6	49.165	53.593
7)	B delta-BHC	4.738	4.192	199.1E6	354.6E6	49.905m	54.776
8)	B Heptachlo...	5.658	4.796	188.4E6	298.2E6	48.842	52.203
9)	A Endosulfan I	6.040	5.167	171.7E6	284.4E6	47.734	51.411
10)	B gamma-Chl...	5.912	5.048	186.0E6	320.0E6	48.877	54.423
11)	B alpha-Chl...	5.993	5.112	185.0E6	312.3E6	48.006	52.936
12)	B 4,4'-DDE	6.163	5.301	152.0E6	295.1E6	47.345	53.516
13)	MA Dieldrin	6.312	5.432	178.3E6	315.0E6	48.049	53.329
14)	MA Endrin	6.539	5.706	142.6E6	281.2E6	47.117	52.021
15)	B Endosulfa...	6.751	5.998	139.7E6	270.8E6	43.607m	52.722
16)	A 4,4'-DDD	6.671	5.853	117.6E6	249.9E6	46.498	53.120
17)	MA 4,4'-DDT	6.986	6.106	135.7E6	264.8E6	47.307	52.346
18)	B Endrin al...	6.880	6.176	115.0E6	223.1E6	53.595	60.800
19)	B Endosulfa...	7.114	6.399	136.6E6	270.2E6	47.535	53.132
20)	A Methoxychlor	7.459	6.678	69221427	141.2E6	47.142	51.528
21)	B Endrin ke...	7.593	6.904	142.2E6	289.2E6	47.309	51.920
22)	Mirex	8.072	7.094	113.4E6	221.8E6	45.734	50.871

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080625\
Data File : PL096718.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 12:48
Operator : AR\AJ
Sample : PB169137BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

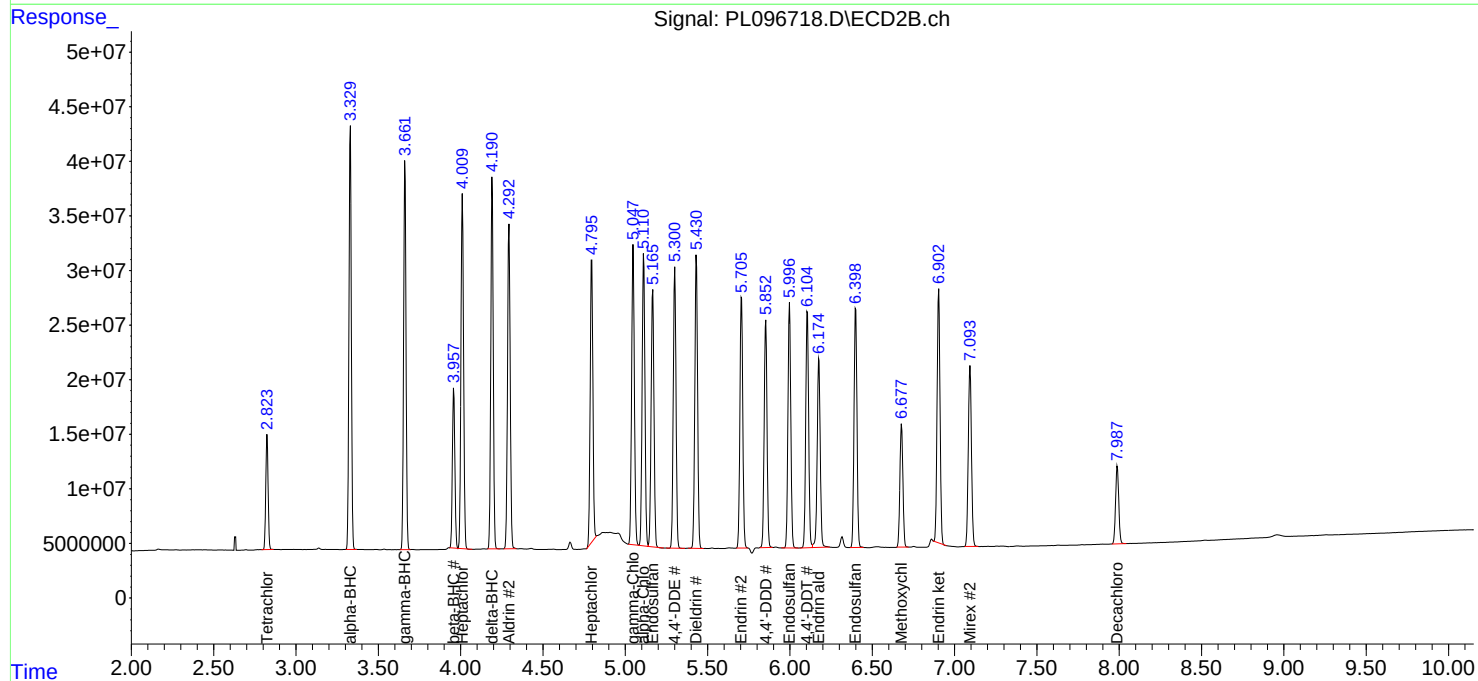
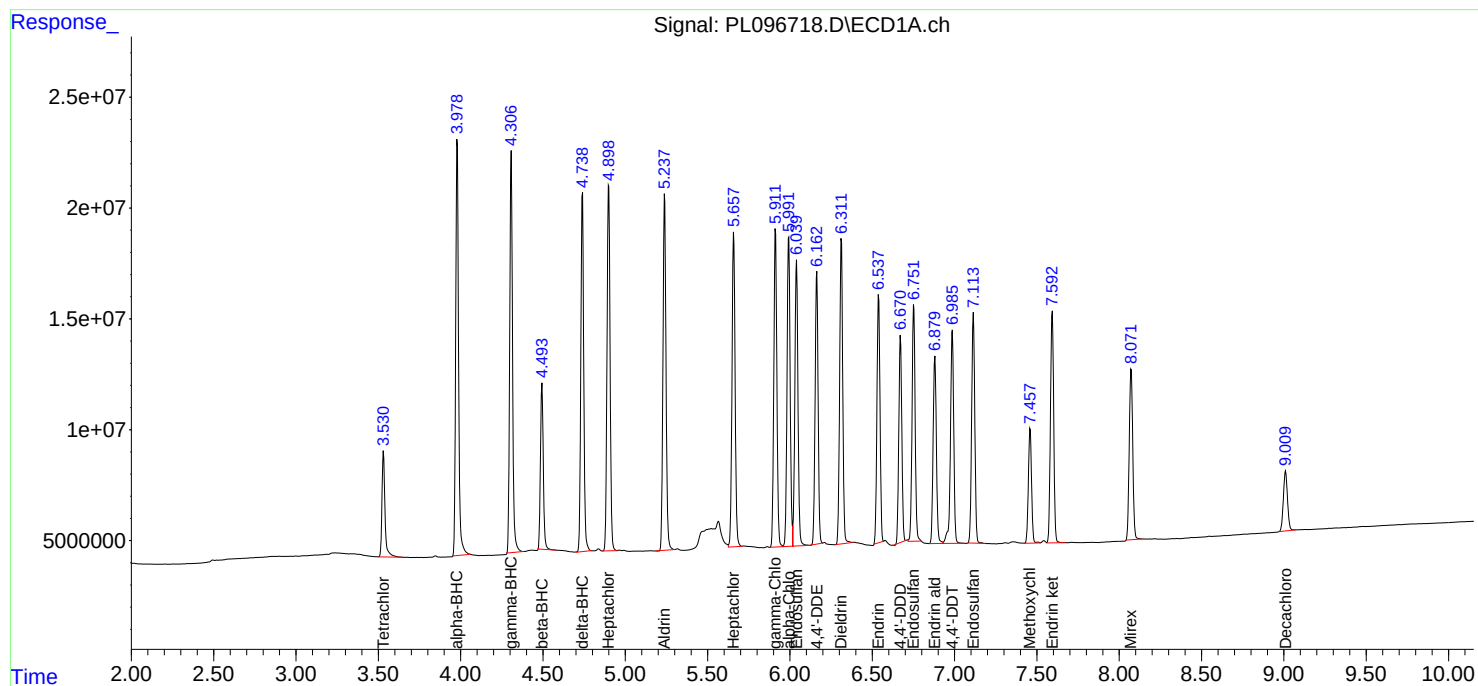
Instrument :
ECD_L
ClientSampleId :
PB169137BS

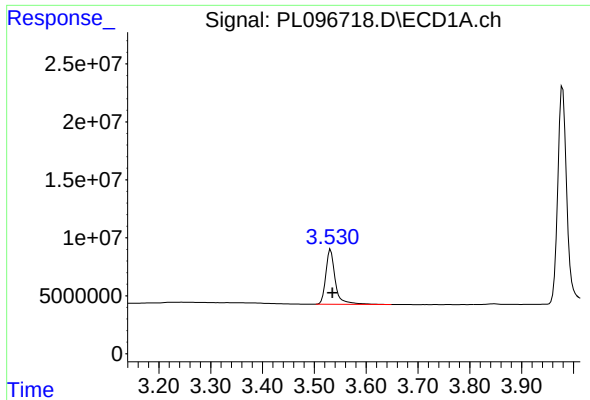
Manual Integrations
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Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 22:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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.: 3.531 min
Delta R.T.: -0.004 min
Response: 60087329
Conc: 18.89 ng/ml

Instrument :

ECD_L

ClientSampleId :

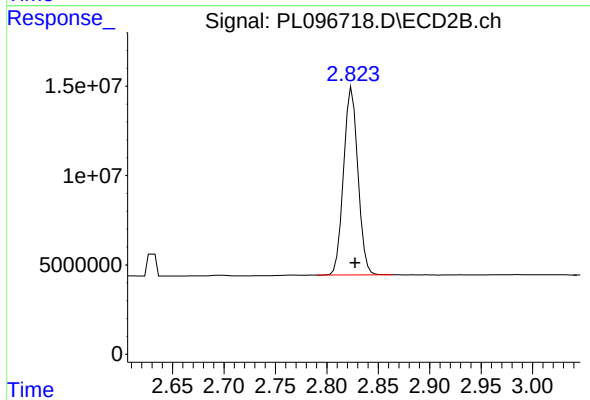
PB169137BS

Manual Integrations

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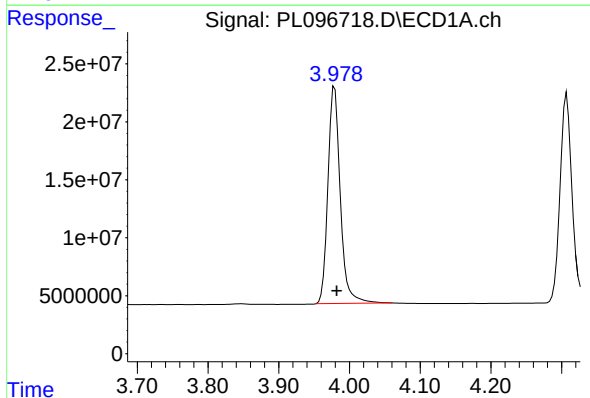
Reviewed By :Abdul Mirza 08/07/2025

Supervised By :mohammad ahmed 08/08/2025



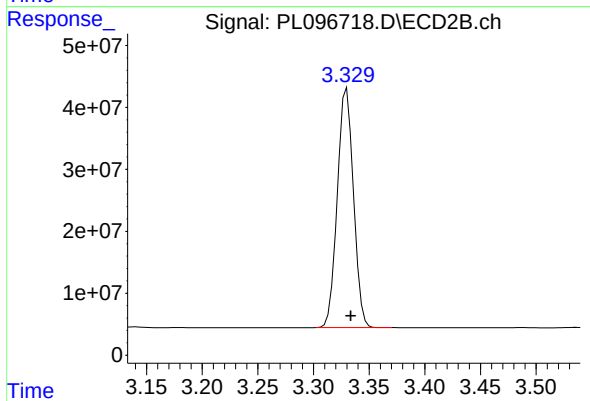
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.003 min
Response: 101914241
Conc: 21.33 ng/ml



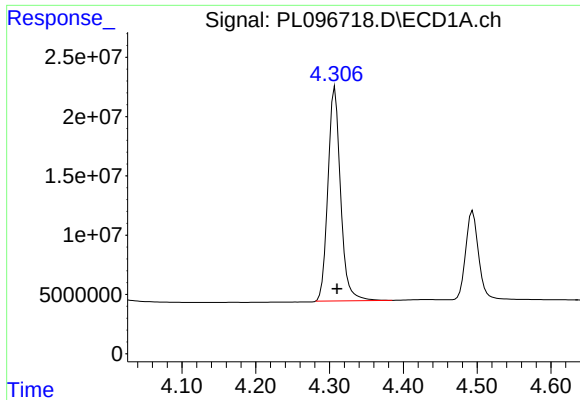
#2 alpha-BHC

R.T.: 3.979 min
Delta R.T.: -0.003 min
Response: 227755175
Conc: 49.23 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 390402303
Conc: 55.16 ng/ml



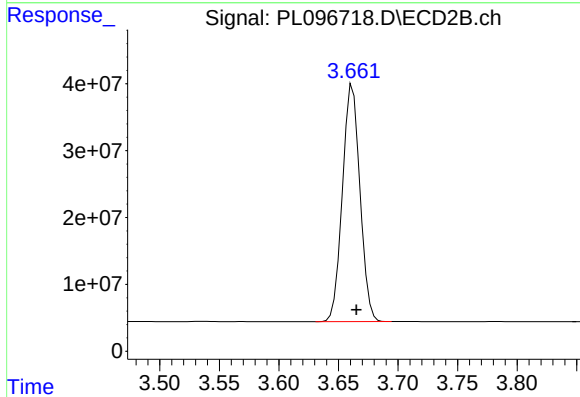
#3 gamma-BHC (Lindane)

R.T.: 4.307 min
Delta R.T.: -0.003 min
Response: 214273316
Conc: 48.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

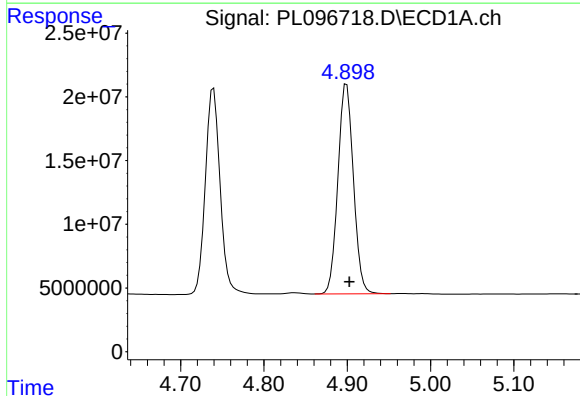
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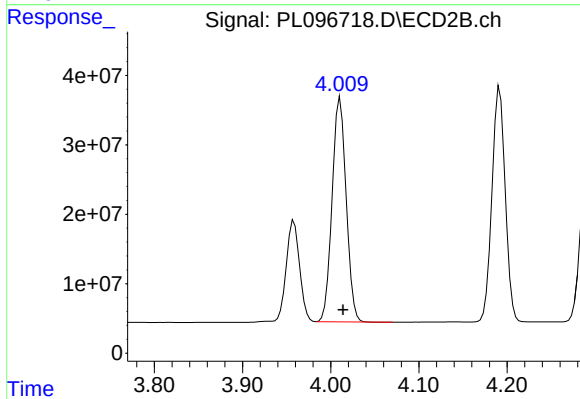
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 363684619
Conc: 55.08 ng/ml



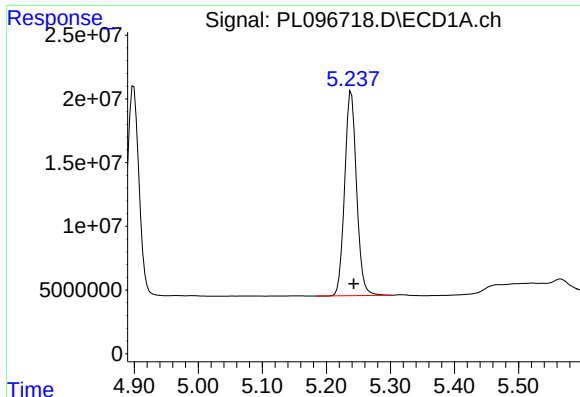
#4 Heptachlor

R.T.: 4.899 min
Delta R.T.: -0.003 min
Response: 213332876
Conc: 51.34 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 357975221
Conc: 53.73 ng/ml



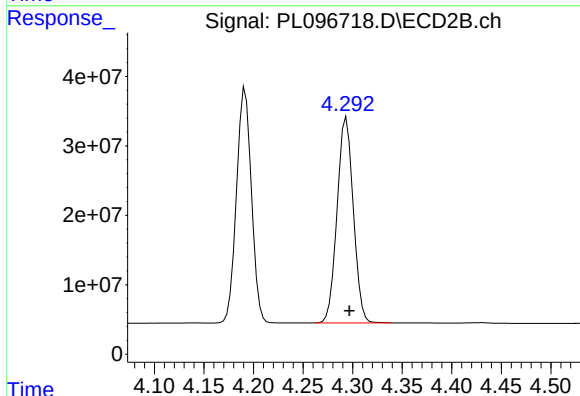
#5 Aldrin

R.T.: 5.239 min
Delta R.T.: -0.004 min
Response: 206297072
Conc: 47.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

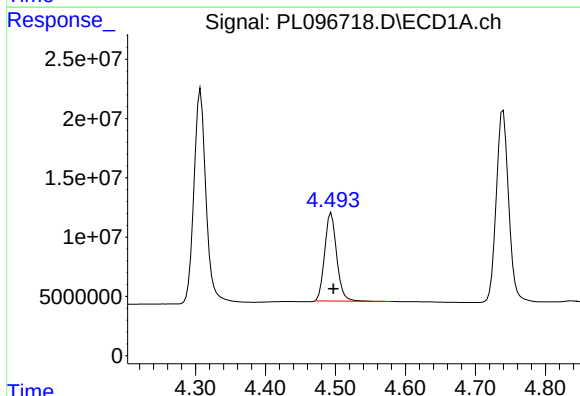
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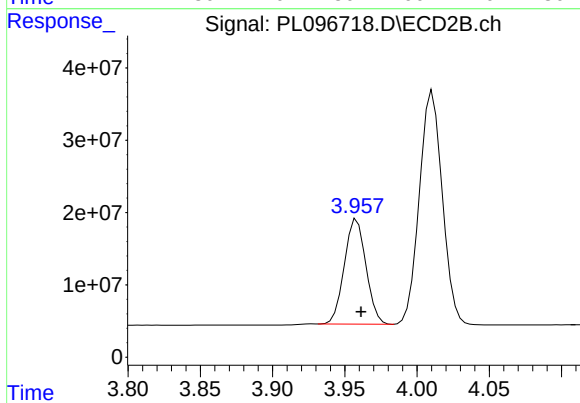
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 336995319
Conc: 54.29 ng/ml



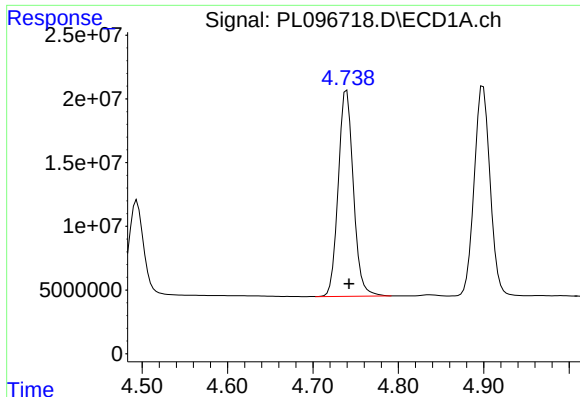
#6 beta-BHC

R.T.: 4.494 min
Delta R.T.: -0.003 min
Response: 88741233
Conc: 49.16 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 151180757
Conc: 53.59 ng/ml



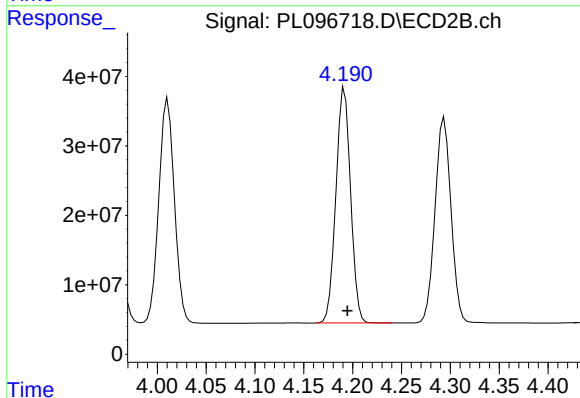
#7 delta-BHC

R.T.: 4.738 min
Delta R.T.: -0.004 min
Response: 199115063
Conc: 49.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

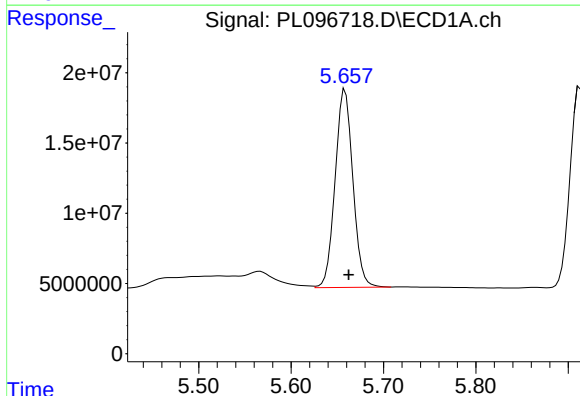
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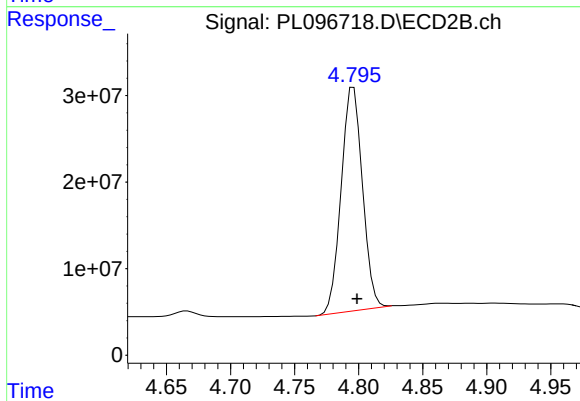
#7 delta-BHC

R.T.: 4.192 min
Delta R.T.: -0.003 min
Response: 354602264
Conc: 54.78 ng/ml



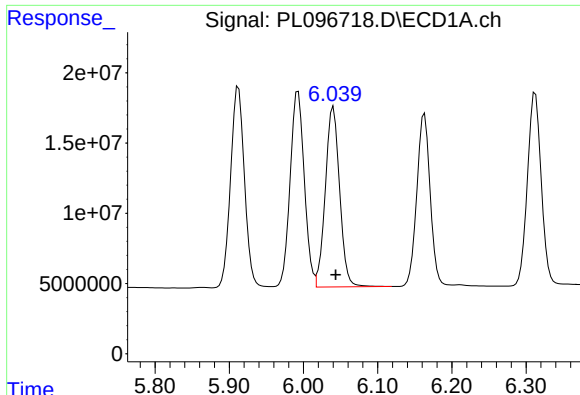
#8 Heptachlor epoxide

R.T.: 5.658 min
Delta R.T.: -0.004 min
Response: 188361381
Conc: 48.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.796 min
Delta R.T.: -0.003 min
Response: 298150441
Conc: 52.20 ng/ml



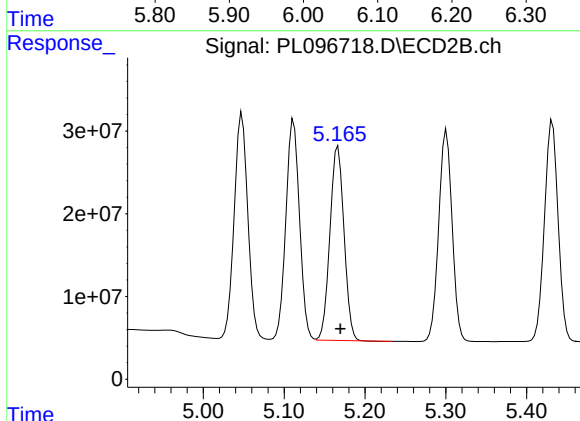
#9 Endosulfan I

R.T.: 6.040 min
Delta R.T.: -0.003 min
Response: 171667737
Conc: 47.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

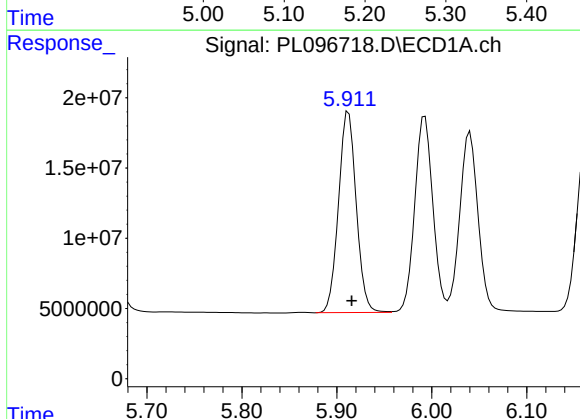
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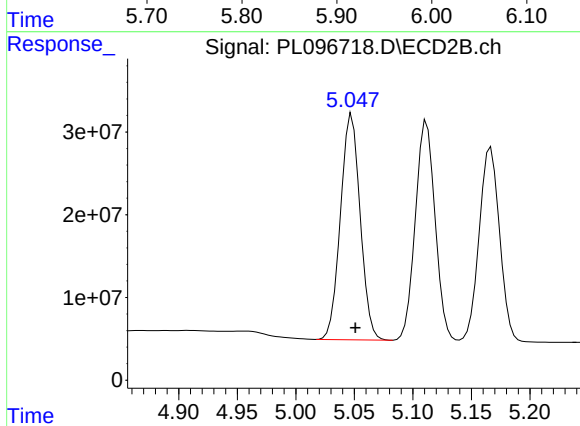
#9 Endosulfan I

R.T.: 5.167 min
Delta R.T.: -0.003 min
Response: 284373522
Conc: 51.41 ng/ml



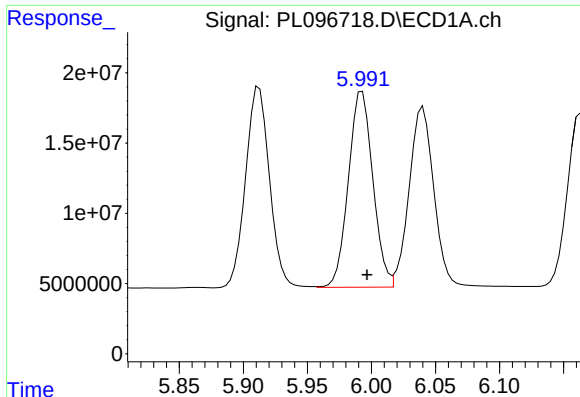
#10 gamma-Chlordane

R.T.: 5.912 min
Delta R.T.: -0.004 min
Response: 185988816
Conc: 48.88 ng/ml



#10 gamma-Chlordane

R.T.: 5.048 min
Delta R.T.: -0.003 min
Response: 320015481
Conc: 54.42 ng/ml



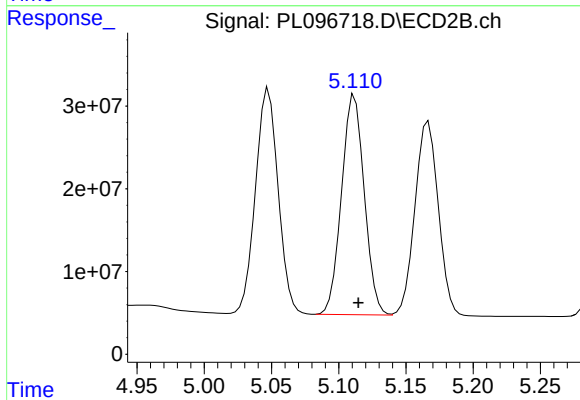
#11 alpha-Chlordane

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 185047086
Conc: 48.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

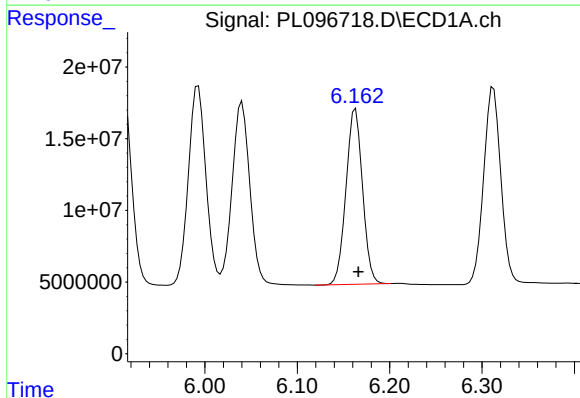
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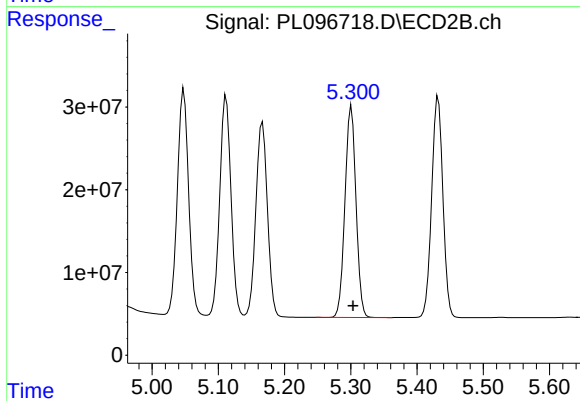
#11 alpha-Chlordane

R.T.: 5.112 min
Delta R.T.: -0.003 min
Response: 312266032
Conc: 52.94 ng/ml



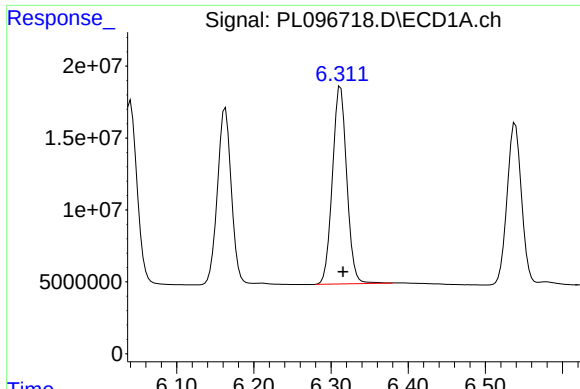
#12 4,4'-DDE

R.T.: 6.163 min
Delta R.T.: -0.003 min
Response: 152036662
Conc: 47.35 ng/ml



#12 4,4'-DDE

R.T.: 5.301 min
Delta R.T.: -0.003 min
Response: 295108078
Conc: 53.52 ng/ml



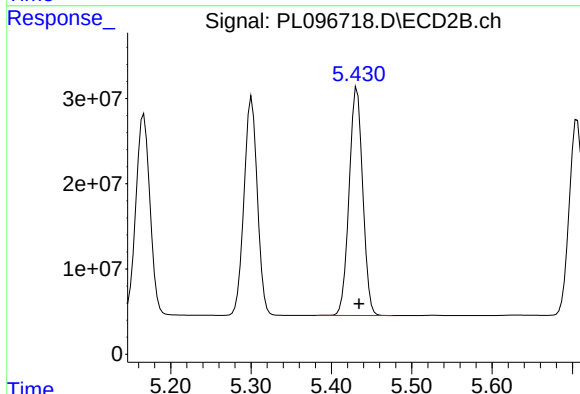
#13 Dieldrin

R.T.: 6.312 min
Delta R.T.: -0.003 min
Response: 178317533
Conc: 48.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

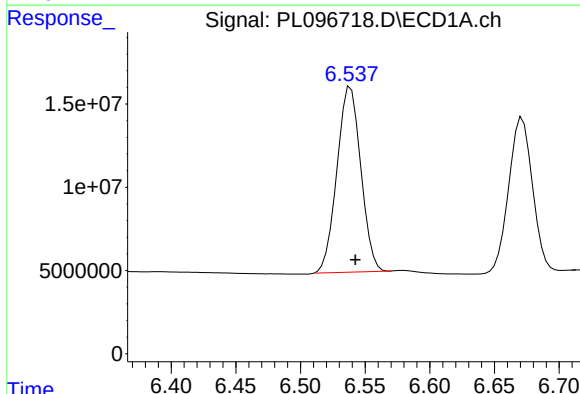
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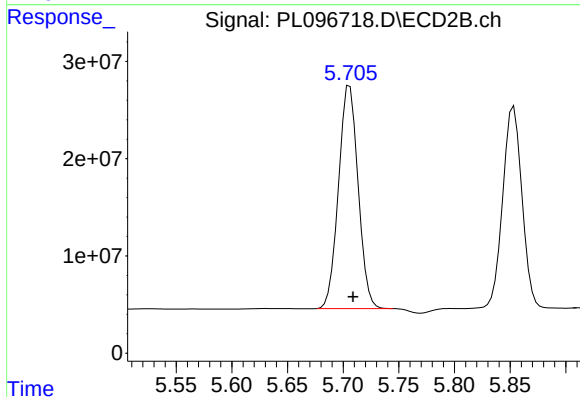
#13 Dieldrin

R.T.: 5.432 min
Delta R.T.: -0.003 min
Response: 314992678
Conc: 53.33 ng/ml



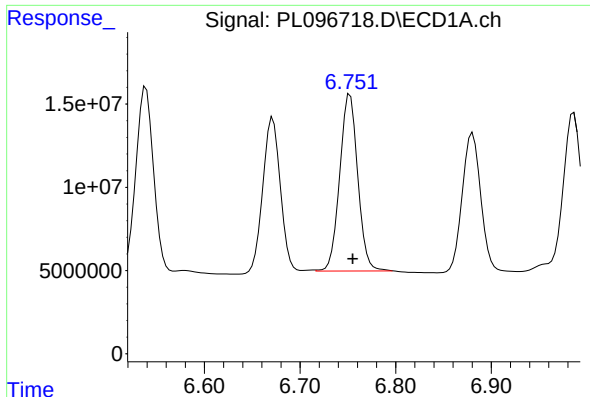
#14 Endrin

R.T.: 6.539 min
Delta R.T.: -0.004 min
Response: 142613652
Conc: 47.12 ng/ml



#14 Endrin

R.T.: 5.706 min
Delta R.T.: -0.003 min
Response: 281225206
Conc: 52.02 ng/ml



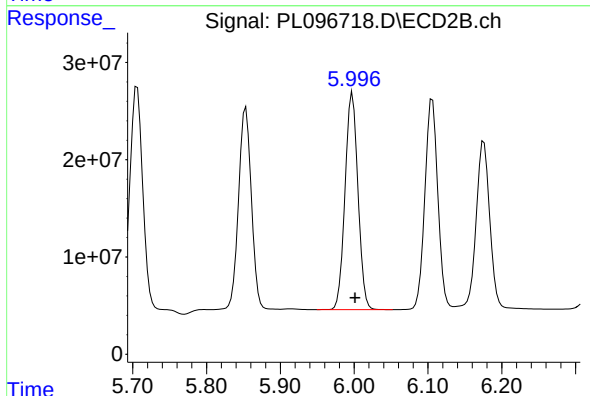
#15 Endosulfan II

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 139658033
Conc: 43.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

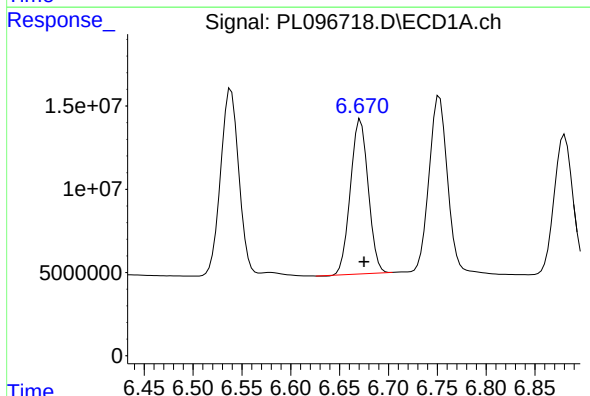
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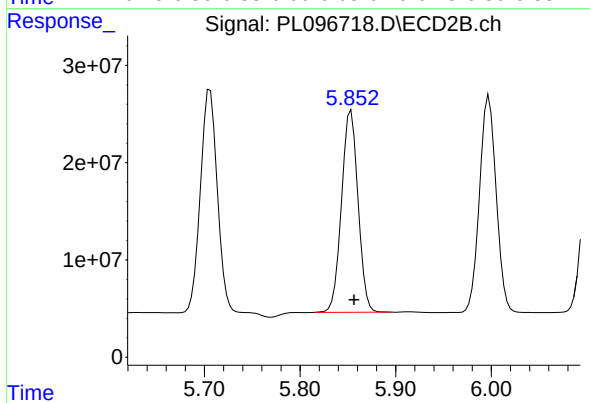
#15 Endosulfan II

R.T.: 5.998 min
Delta R.T.: -0.004 min
Response: 270792075
Conc: 52.72 ng/ml



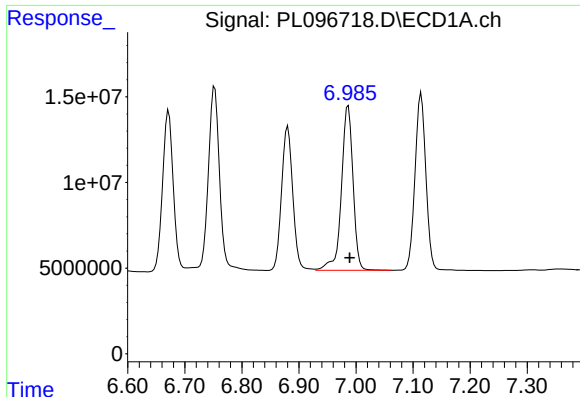
#16 4,4'-DDD

R.T.: 6.671 min
Delta R.T.: -0.003 min
Response: 117563149
Conc: 46.50 ng/ml



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 249943037
Conc: 53.12 ng/ml



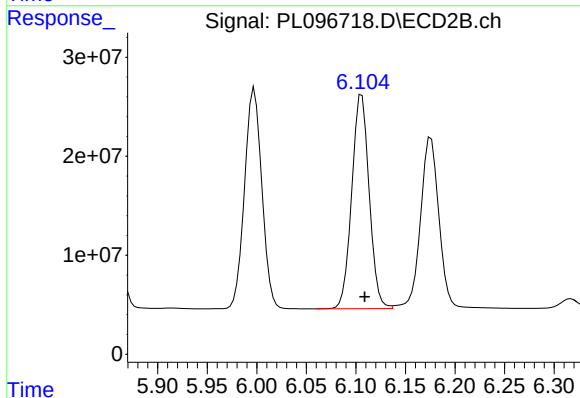
#17 4,4'-DDT

R.T.: 6.986 min
Delta R.T.: -0.003 min
Response: 135660991
Conc: 47.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

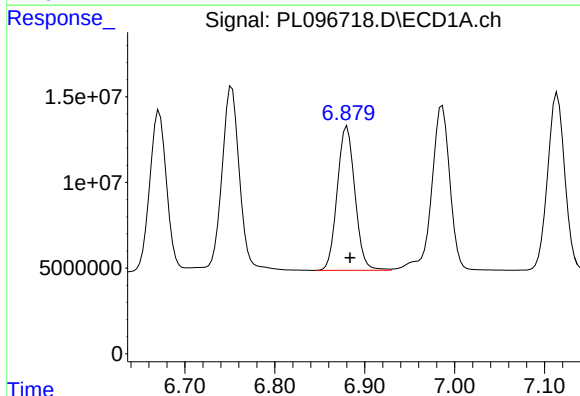
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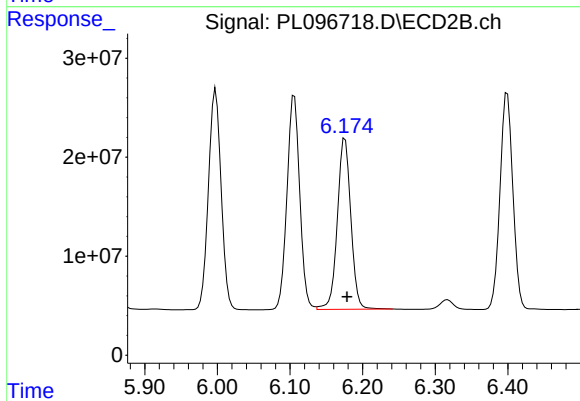
#17 4,4'-DDT

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 264780387
Conc: 52.35 ng/ml



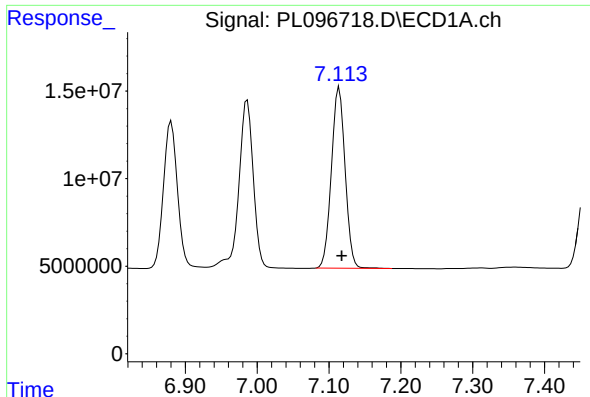
#18 Endrin aldehyde

R.T.: 6.880 min
Delta R.T.: -0.003 min
Response: 115010978
Conc: 53.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 223141950
Conc: 60.80 ng/ml



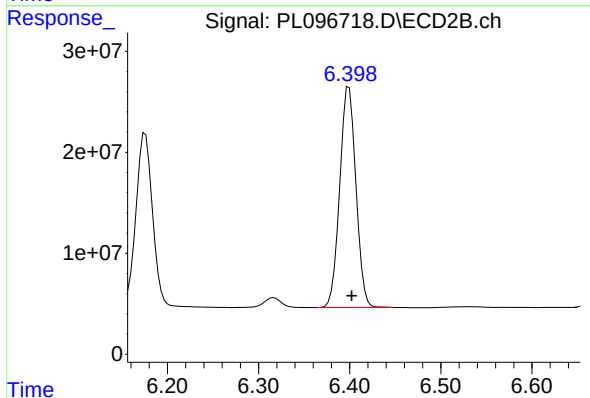
#19 Endosulfan Sulfate

R.T.: 7.114 min
Delta R.T.: -0.003 min
Response: 136601662
Conc: 47.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

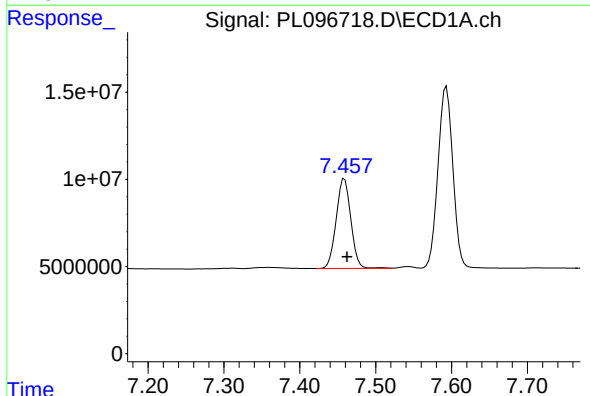
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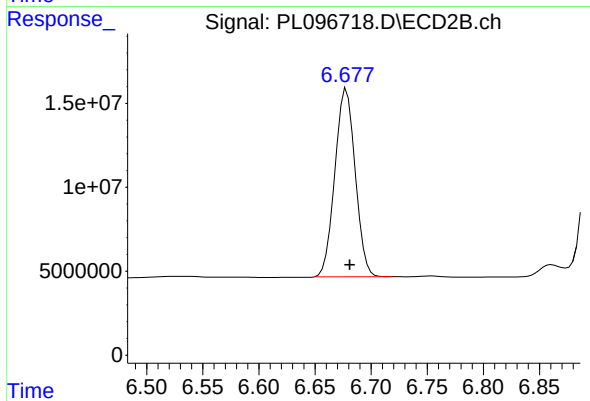
#19 Endosulfan Sulfate

R.T.: 6.399 min
Delta R.T.: -0.003 min
Response: 270238257
Conc: 53.13 ng/ml



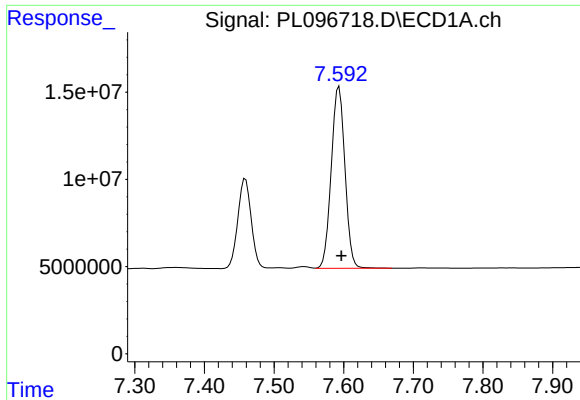
#20 Methoxychlor

R.T.: 7.459 min
Delta R.T.: -0.003 min
Response: 69221427
Conc: 47.14 ng/ml



#20 Methoxychlor

R.T.: 6.678 min
Delta R.T.: -0.003 min
Response: 141213615
Conc: 51.53 ng/ml



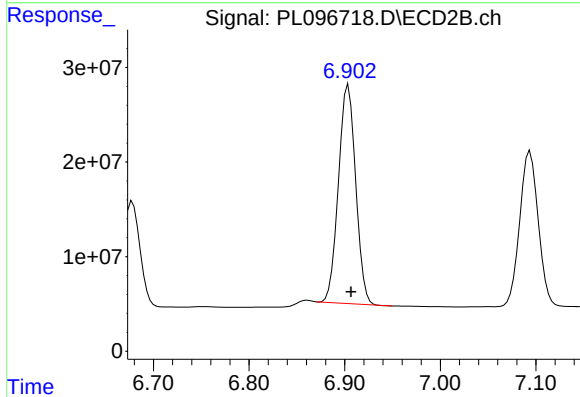
#21 Endrin ketone

R.T.: 7.593 min
Delta R.T.: -0.003 min
Response: 142243789
Conc: 47.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

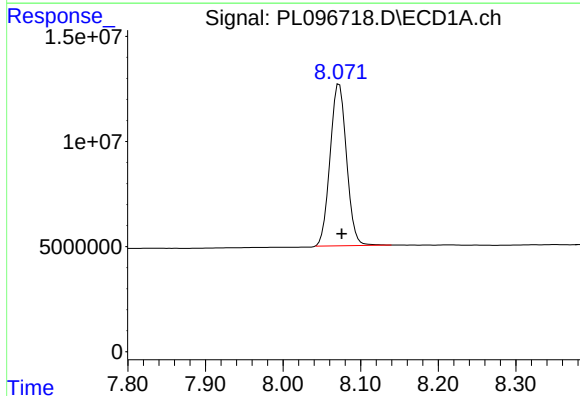
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



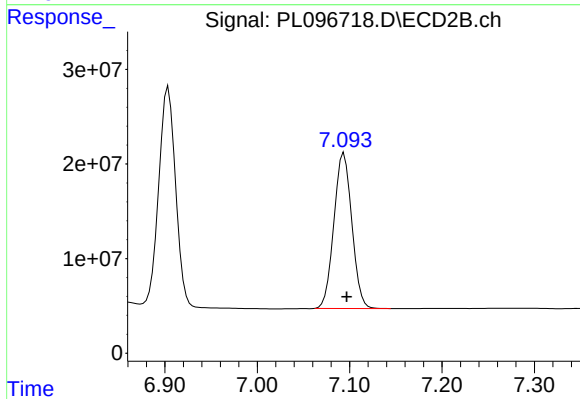
#21 Endrin ketone

R.T.: 6.904 min
Delta R.T.: -0.003 min
Response: 289182756
Conc: 51.92 ng/ml



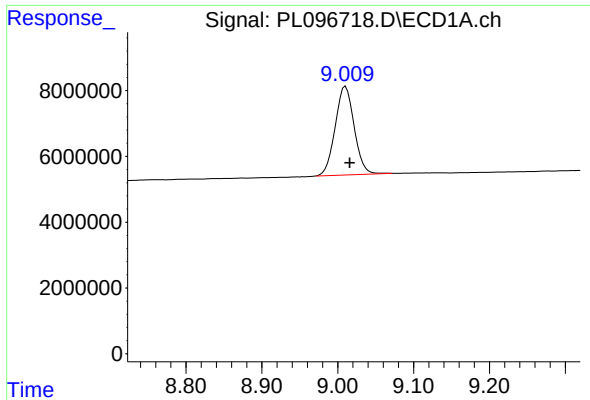
#22 Mirex

R.T.: 8.072 min
Delta R.T.: -0.003 min
Response: 113390198
Conc: 45.73 ng/ml



#22 Mirex

R.T.: 7.094 min
Delta R.T.: -0.003 min
Response: 221842808
Conc: 50.87 ng/ml



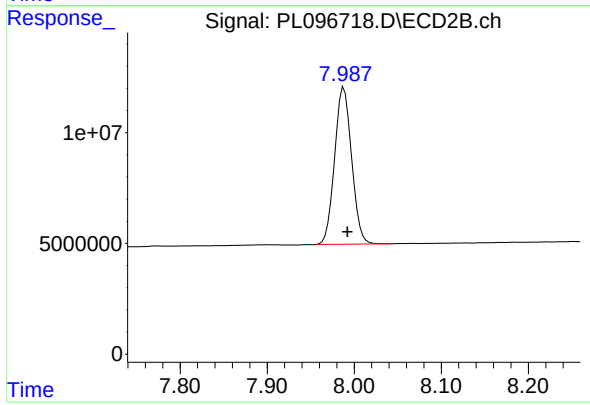
#28 Decachlorobiphenyl

R.T.: 9.010 min
Delta R.T.: -0.005 min
Response: 46843960
Conc: 19.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169137BS

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#28 Decachlorobiphenyl

R.T.: 7.988 min
Delta R.T.: -0.004 min
Response: 96264607
Conc: 22.19 ng/ml