

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092325\
 Data File : PL097361.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 11:34
 Operator : AR\AJ
 Sample : PB169766BSD
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169766BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/24/2025
 Supervised By : mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 24 01:26:29 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	2.821	74957935	112.9E6	16.557	17.167
28)	SA Decachlor...	9.003	7.983	59183905	97880445	18.087	17.197
Target Compounds							
2)	A alpha-BHC	3.973	3.326	351.4E6	513.3E6	50.297	51.547
3)	MA gamma-BHC...	4.301	3.658	331.6E6	472.8E6	50.143	50.759
4)	MA Heptachlor	4.892	4.006	317.3E6	446.6E6	47.567	47.996
5)	MB Aldrin	5.232	4.288	317.0E6	442.4E6	50.052	50.967
6)	B beta-BHC	4.489	3.955	133.9E6	194.9E6	49.113	47.991
7)	B delta-BHC	4.733	4.187	308.9E6	461.6E6	50.908m	50.220
8)	B Heptachlo...	5.651	4.789	286.7E6	403.6E6	49.892	50.880m
9)	A Endosulfan I	6.033	5.161	261.0E6	372.6E6	50.380	48.495
10)	B gamma-Chl...	5.905	5.043	284.3E6	421.8E6	50.291	48.300
11)	B alpha-Chl...	5.986	5.107	282.3E6	411.5E6	49.702	49.576
12)	B 4,4'-DDE	6.156	5.295	244.4E6	391.9E6	51.294	50.994
13)	MA Dieldrin	6.305	5.426	275.3E6	411.8E6	50.214	50.362
14)	MA Endrin	6.532	5.701	206.5E6	330.7E6	44.762	44.038
15)	B Endosulfa...	6.746	5.993	236.6E6	351.2E6	48.106	49.396
16)	A 4,4'-DDD	6.666	5.848	215.2E6	349.7E6	57.074	54.225
17)	MA 4,4'-DDT	6.980	6.101	183.1E6	295.7E6	43.307	42.732
18)	B Endrin al...	6.875	6.171	170.7E6	269.6E6	55.368	50.511
19)	B Endosulfa...	7.108	6.395	206.0E6	333.5E6	50.458	48.692
20)	A Methoxychlor	7.454	6.673	86708199	151.5E6	41.579	40.185
21)	B Endrin ke...	7.589	6.899	229.1E6	394.7E6	53.970	52.417
22)	Mirex	8.067	7.089	164.1E6	280.1E6	46.221	46.852

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092325\
Data File : PL097361.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:34
Operator : AR\AJ
Sample : PB169766BSD
Misc :
ALS Vial : 6 Sample Multiplier: 1

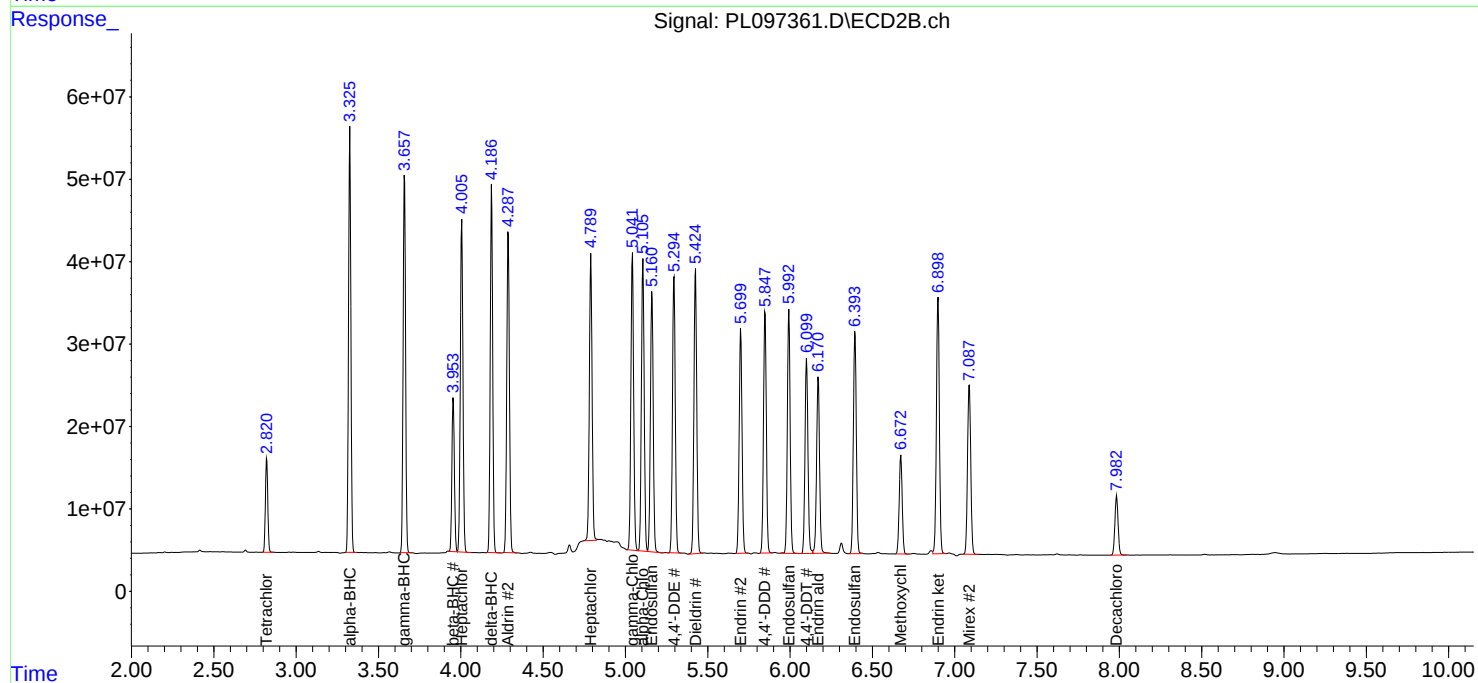
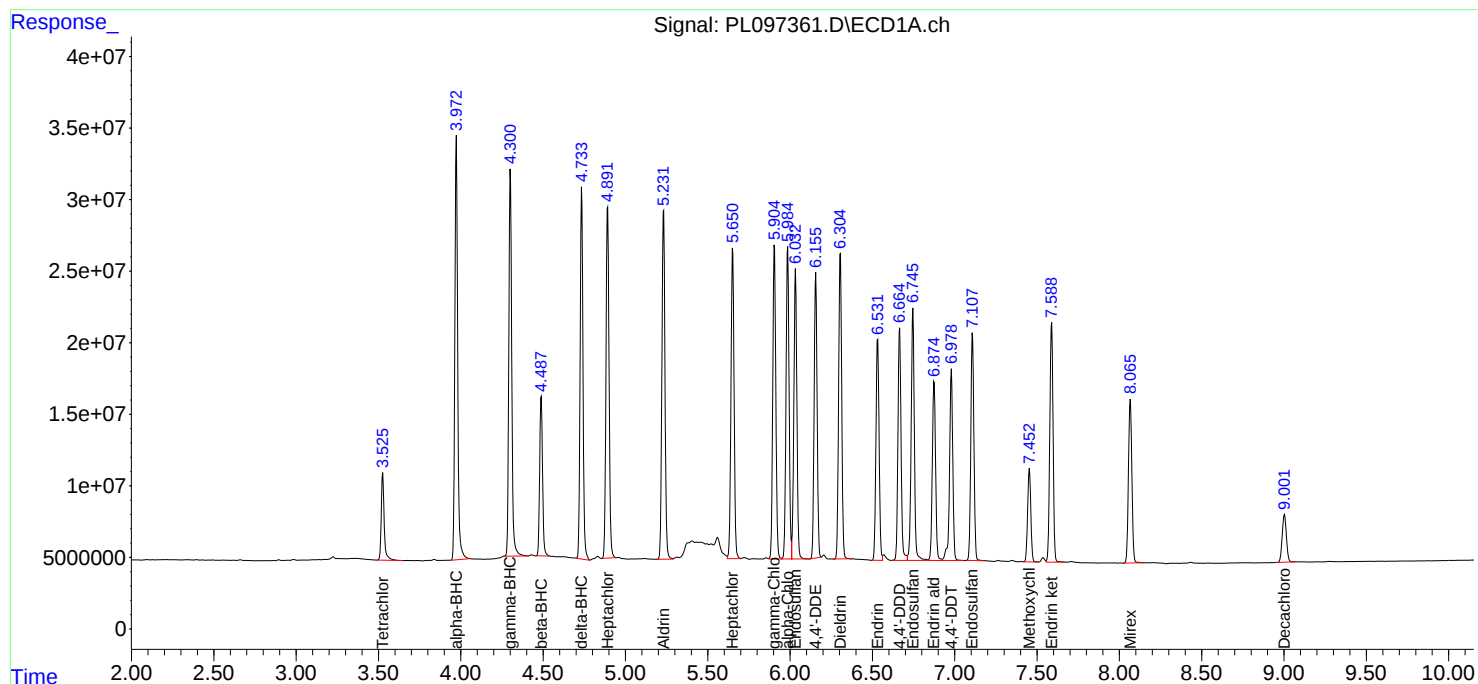
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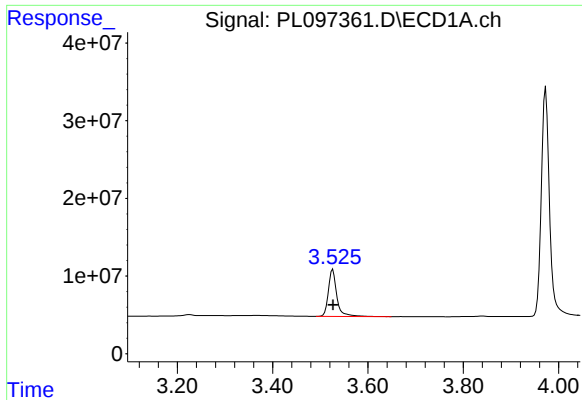
Manual Integrations
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Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 01:26:29 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





#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 74957935
Conc: 16.56 ng/ml

Instrument :

ECD_L

ClientSampleId :

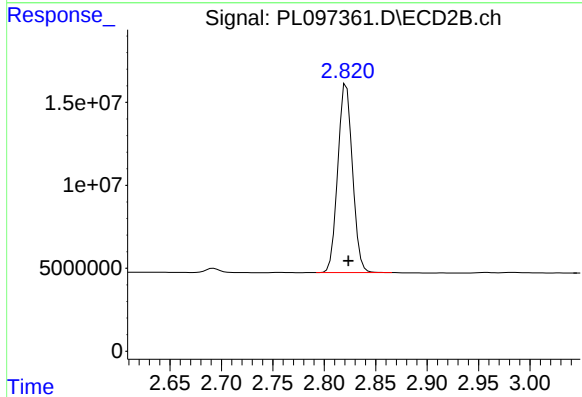
PB169766BSD

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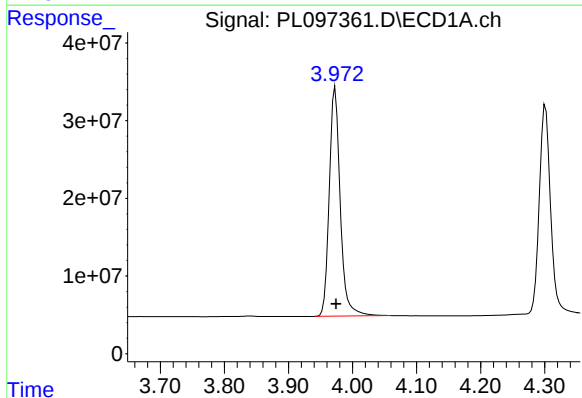
Reviewed By :Abdul Mirza 09/24/2025

Supervised By :mohammad ahmed 09/25/2025



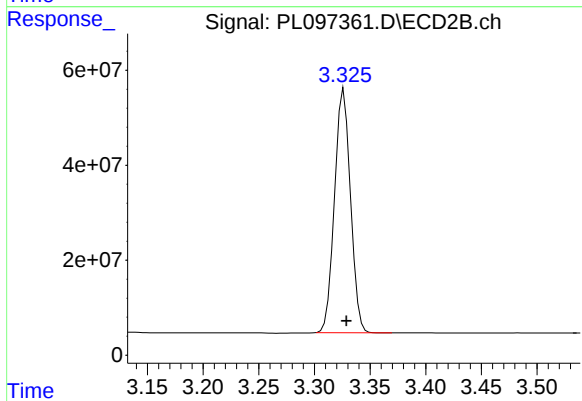
#1 Tetrachloro-m-xylene

R.T.: 2.821 min
Delta R.T.: -0.002 min
Response: 112885811
Conc: 17.17 ng/ml



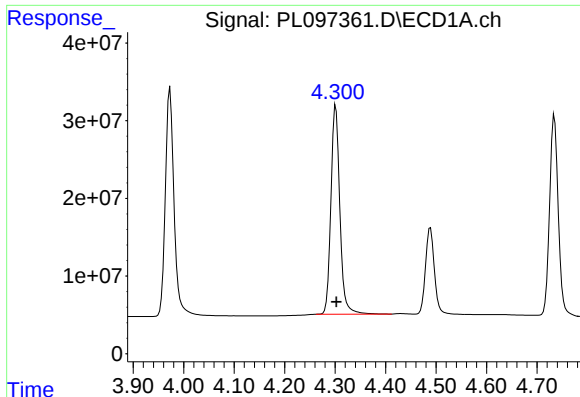
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.001 min
Response: 351445964
Conc: 50.30 ng/ml



#2 alpha-BHC

R.T.: 3.326 min
Delta R.T.: -0.002 min
Response: 513280227
Conc: 51.55 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: 0.000 min
Response: 331602718
Conc: 50.14 ng/ml

Instrument :

ECD_L

ClientSampleId :

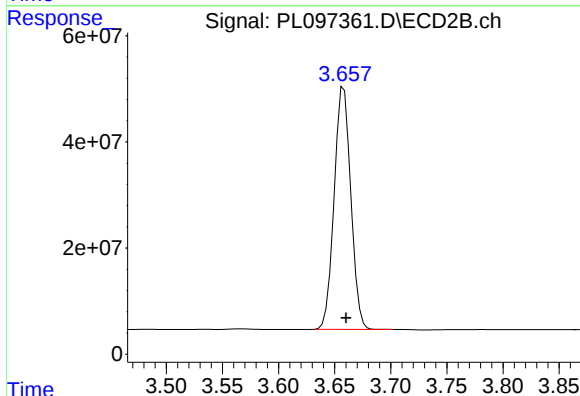
PB169766BSD

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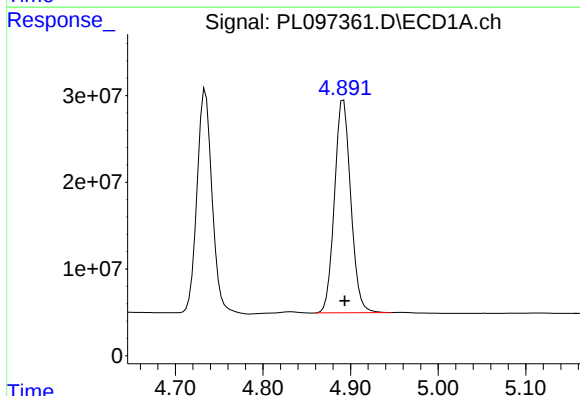
Reviewed By :Abdul Mirza 09/24/2025

Supervised By :mohammad ahmed 09/25/2025



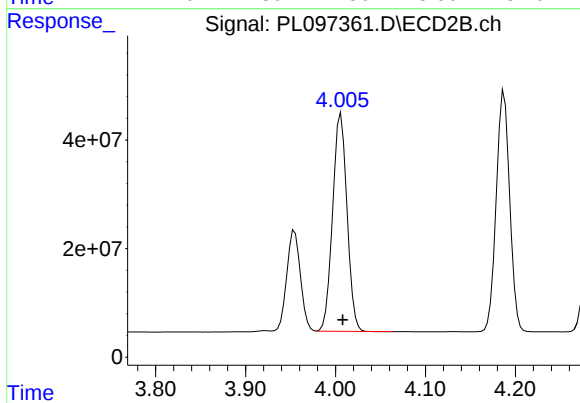
#3 gamma-BHC (Lindane)

R.T.: 3.658 min
Delta R.T.: -0.002 min
Response: 472799696
Conc: 50.76 ng/ml



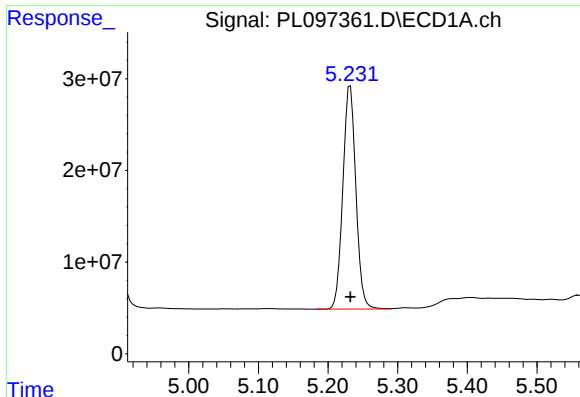
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.001 min
Response: 317276933
Conc: 47.57 ng/ml



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: -0.002 min
Response: 446608611
Conc: 48.00 ng/ml



#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 317020760
Conc: 50.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

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#5 Aldrin

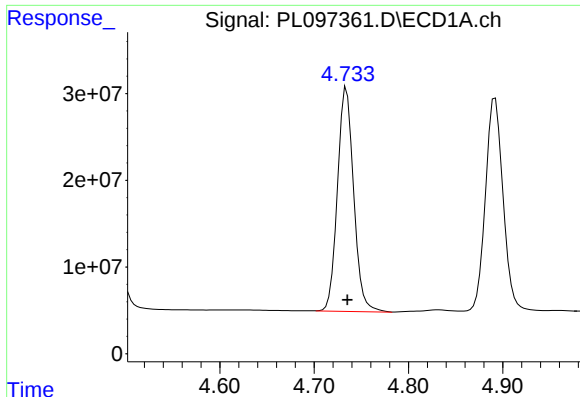
R.T.: 4.288 min
Delta R.T.: -0.002 min
Response: 442357554
Conc: 50.97 ng/ml

#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 133891503
Conc: 49.11 ng/ml

#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.002 min
Response: 194941154
Conc: 47.99 ng/ml



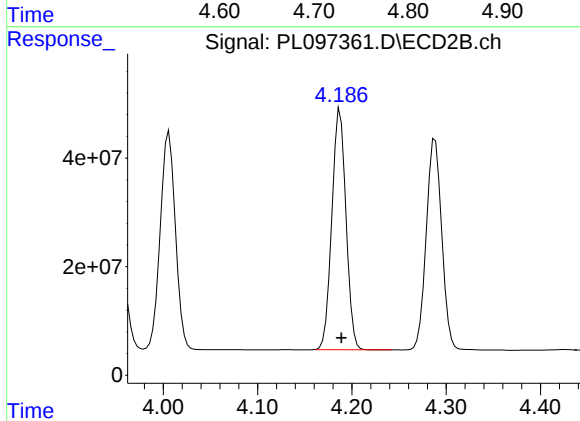
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: -0.002 min
Response: 308929729
Conc: 50.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

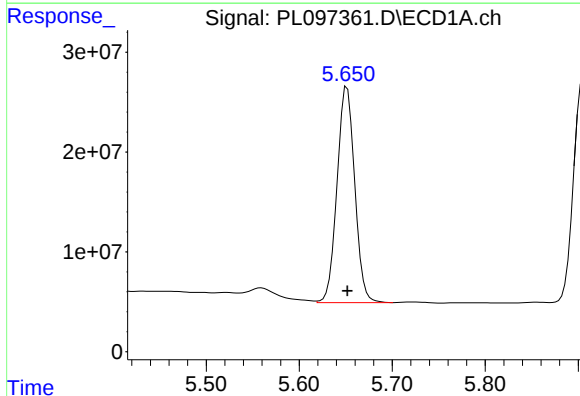
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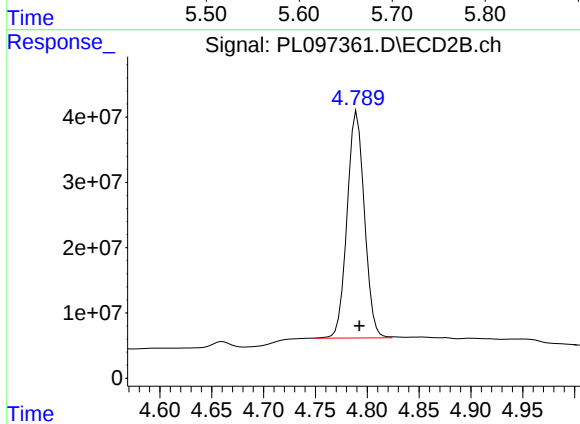
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: -0.001 min
Response: 461630274
Conc: 50.22 ng/ml



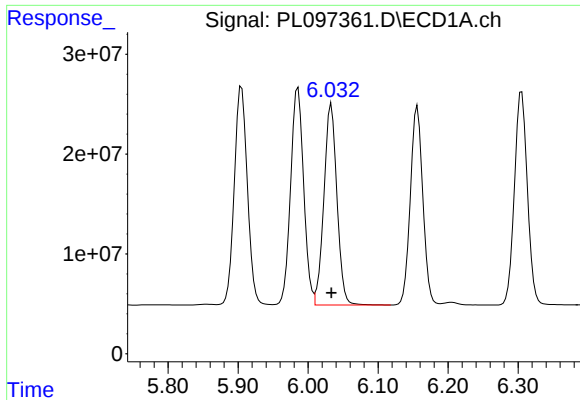
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 286729312
Conc: 49.89 ng/ml



#8 Heptachlor epoxide

R.T.: 4.789 min
Delta R.T.: -0.004 min
Response: 403556478
Conc: 50.88 ng/ml m



#9 Endosulfan I

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 261034569
Conc: 50.38 ng/ml

Instrument :

ECD_L

ClientSampleId :

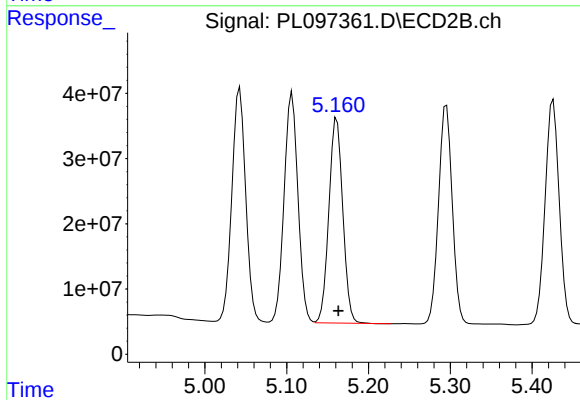
PB169766BSD

Manual Integrations

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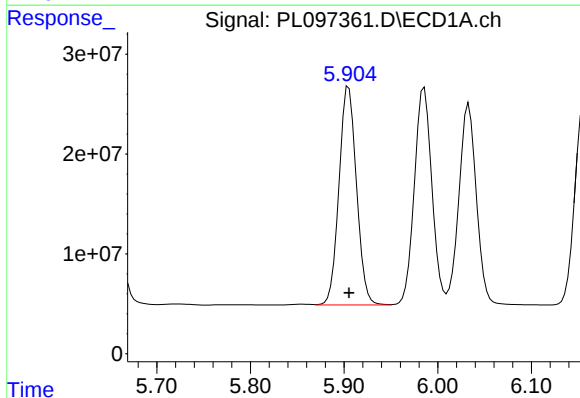
Reviewed By :Abdul Mirza 09/24/2025

Supervised By :mohammad ahmed 09/25/2025



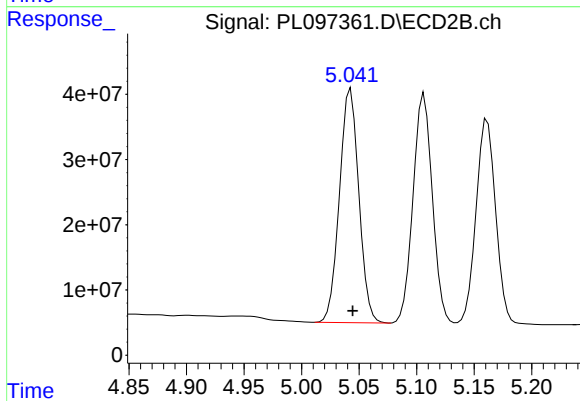
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: -0.002 min
Response: 372620315
Conc: 48.50 ng/ml



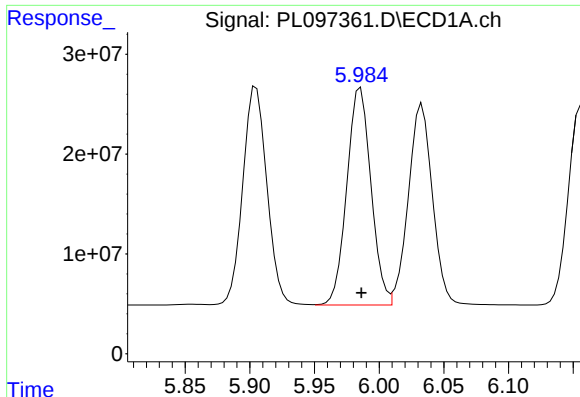
#10 gamma-Chlordane

R.T.: 5.905 min
Delta R.T.: 0.000 min
Response: 284320591
Conc: 50.29 ng/ml



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.002 min
Response: 421845372
Conc: 48.30 ng/ml



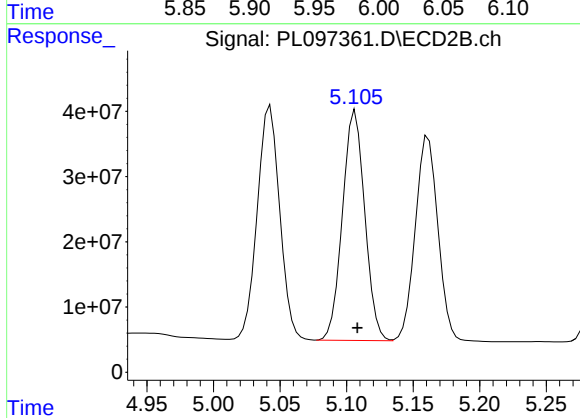
#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 282304508
Conc: 49.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

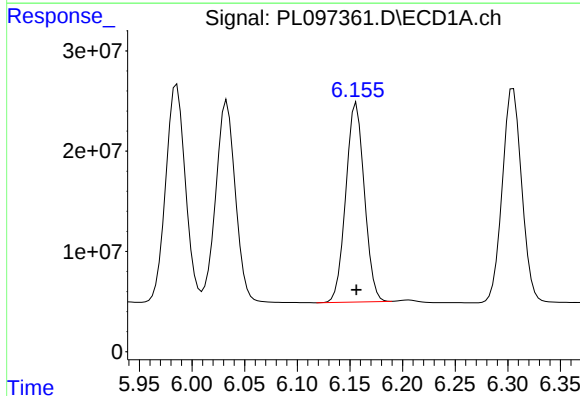
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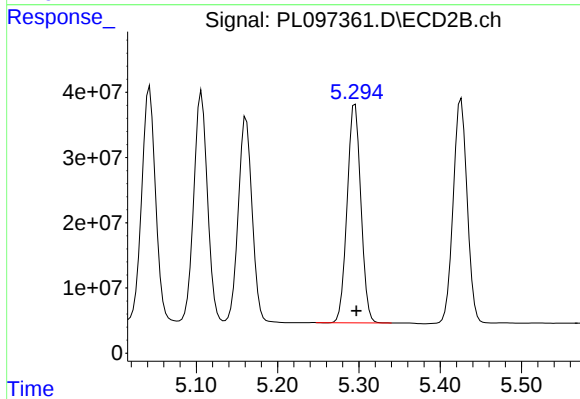
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.002 min
Response: 411503267
Conc: 49.58 ng/ml



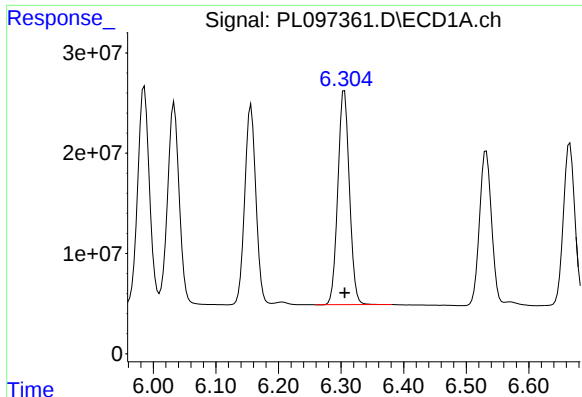
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 244400310
Conc: 51.29 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.002 min
Response: 391871294
Conc: 50.99 ng/ml



#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 275281544
Conc: 50.21 ng/ml

Instrument :

ECD_L

ClientSampleId :

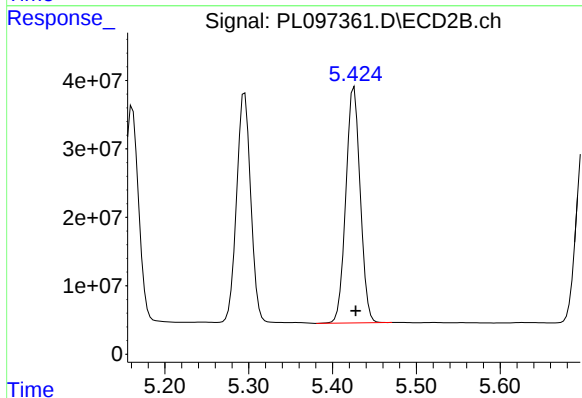
PB169766BSD

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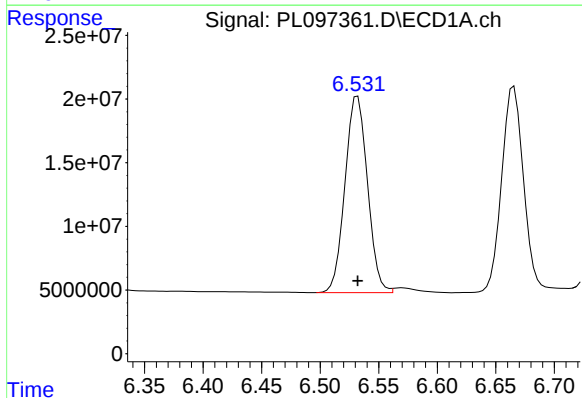
Reviewed By :Abdul Mirza 09/24/2025

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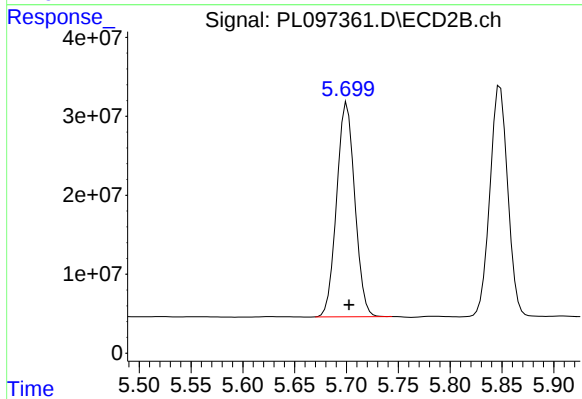
#13 Dieldrin

R.T.: 5.426 min
Delta R.T.: -0.002 min
Response: 411801160
Conc: 50.36 ng/ml



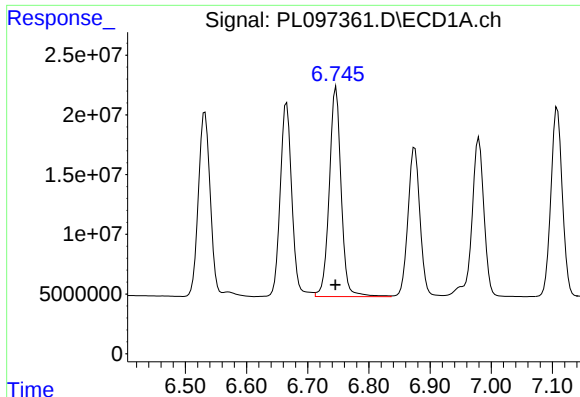
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 206492593
Conc: 44.76 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 330745025
Conc: 44.04 ng/ml



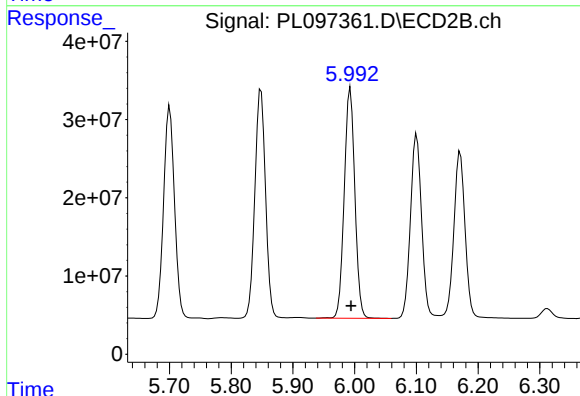
#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: 0.001 min
Response: 236601132
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

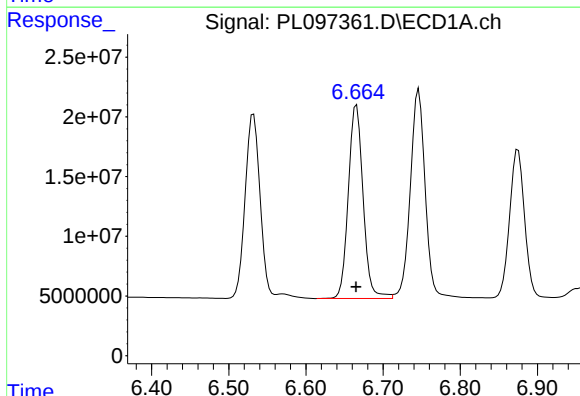
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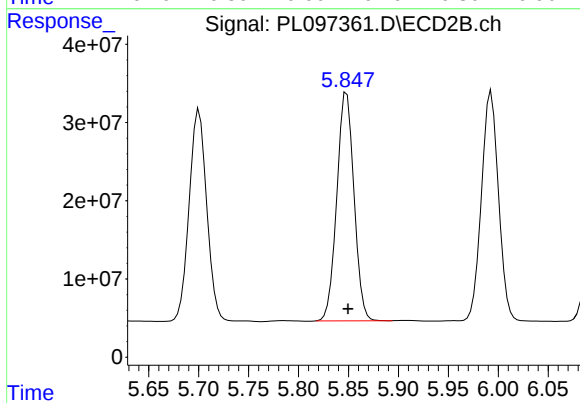
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.001 min
Response: 351165676
Conc: 49.40 ng/ml



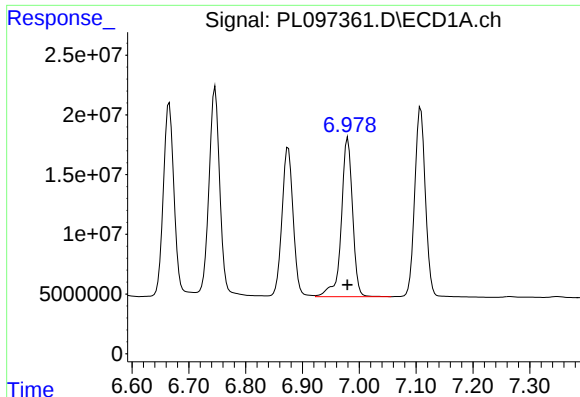
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 215201449
Conc: 57.07 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.001 min
Response: 349701749
Conc: 54.23 ng/ml



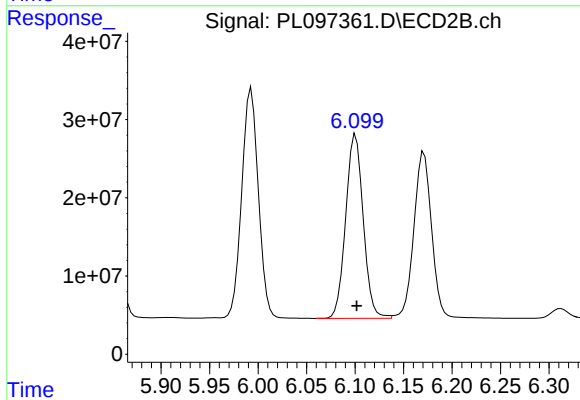
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 183066588
Conc: 43.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

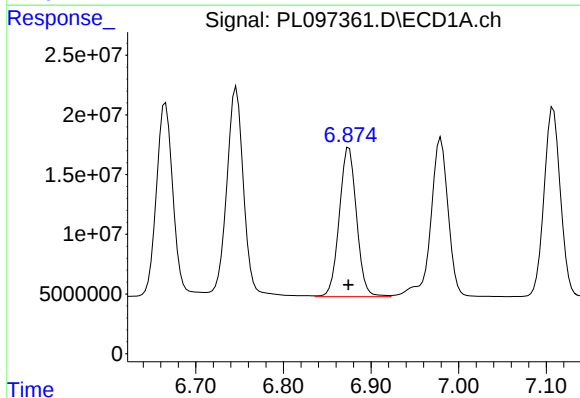
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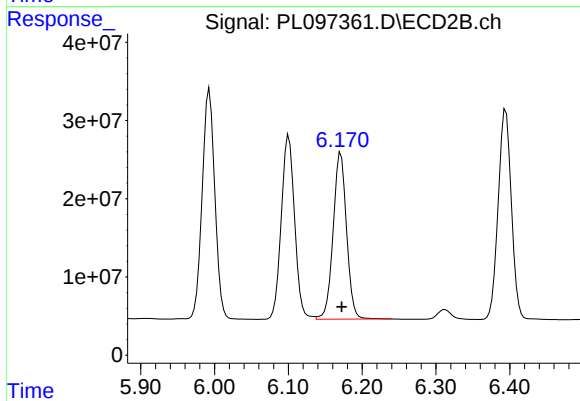
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 295726108
Conc: 42.73 ng/ml



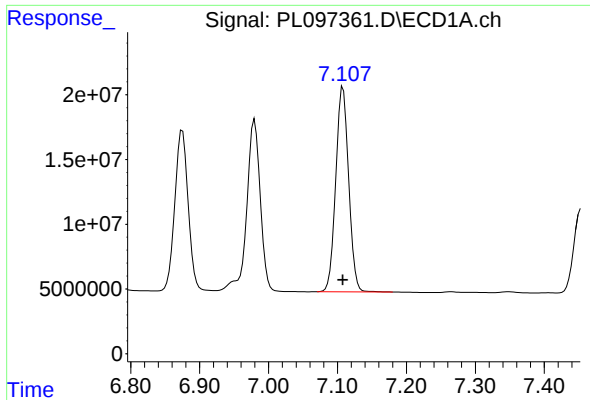
#18 Endrin aldehyde

R.T.: 6.875 min
Delta R.T.: 0.000 min
Response: 170688250
Conc: 55.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.001 min
Response: 269595221
Conc: 50.51 ng/ml



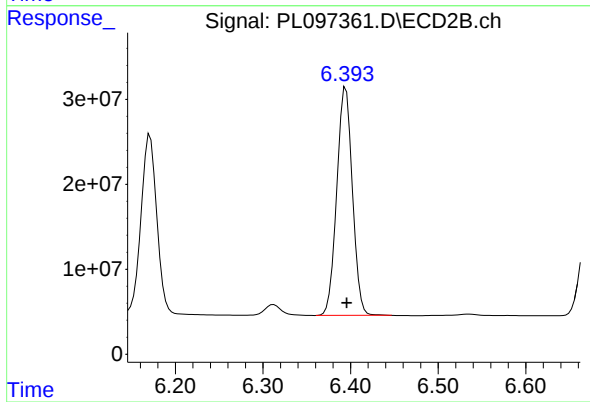
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 206006261
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

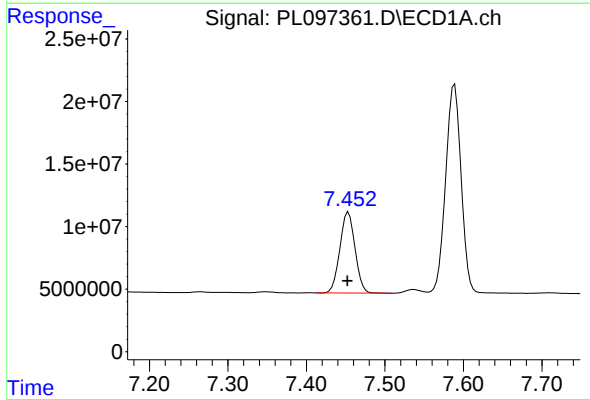
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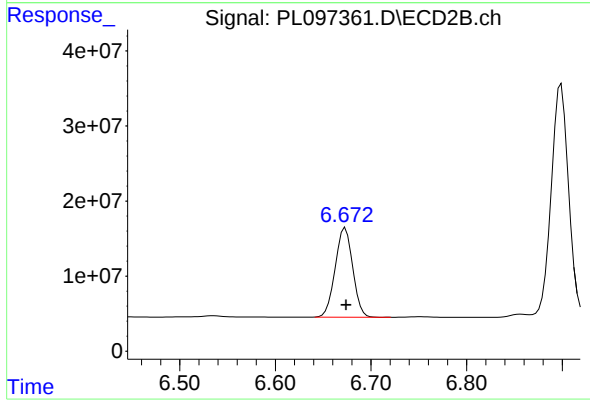
#19 Endosulfan Sulfate

R.T.: 6.395 min
Delta R.T.: -0.001 min
Response: 333531746
Conc: 48.69 ng/ml



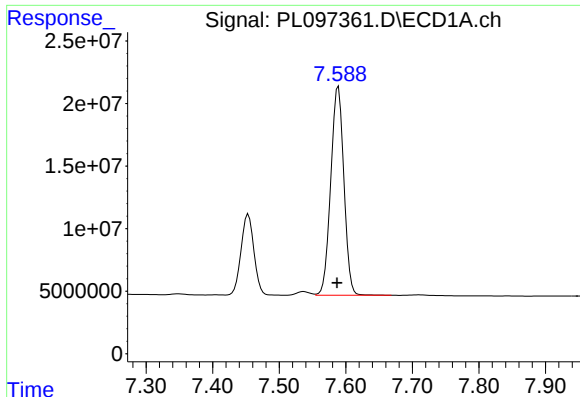
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: 0.001 min
Response: 86708199
Conc: 41.58 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 151476409
Conc: 40.18 ng/ml



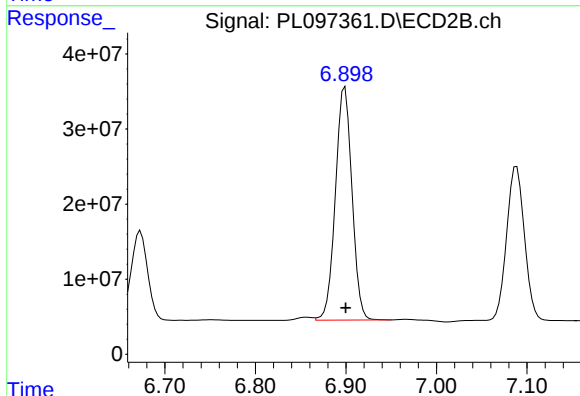
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: 0.002 min
Response: 229069291
Conc: 53.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

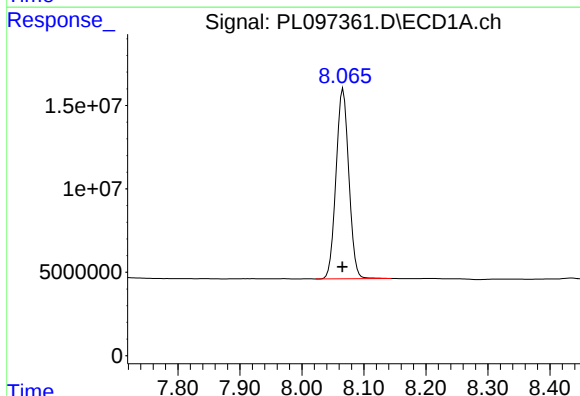
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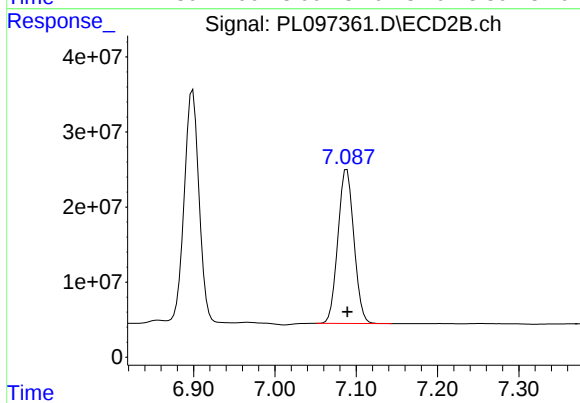
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 394711912
Conc: 52.42 ng/ml



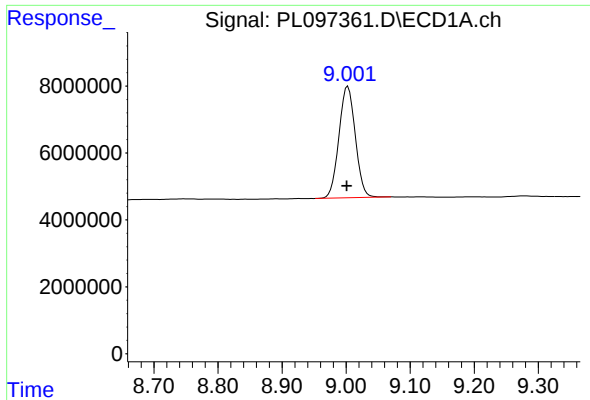
#22 Mirex

R.T.: 8.067 min
Delta R.T.: 0.001 min
Response: 164099213
Conc: 46.22 ng/ml



#22 Mirex

R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 280114111
Conc: 46.85 ng/ml



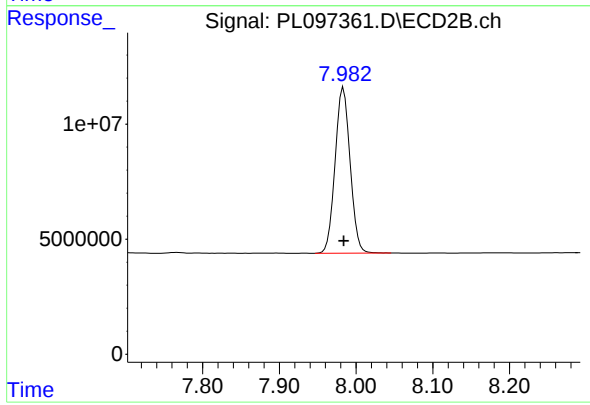
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: 0.002 min
Response: 59183905
Conc: 18.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/24/2025
Supervised By :mohammad ahmed 09/25/2025



#28 Decachlorobiphenyl

R.T.: 7.983 min
Delta R.T.: 0.000 min
Response: 97880445
Conc: 17.20 ng/ml