

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092325\
 Data File : PL097360.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Sep 2025 11:14
 Operator : AR\AJ
 Sample : PB169766BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169766BS

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 01:26:18 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	2.822	74472716	111.1E6	16.450	16.900
28)	SA Decachlor...	9.002	7.984	59293977	98154603	18.120	17.246
Target Compounds							
2)	A alpha-BHC	3.973	3.327	352.2E6	508.3E6	50.402	51.046
3)	MA gamma-BHC...	4.301	3.659	331.3E6	467.9E6	50.090	50.230
4)	MA Heptachlor	4.892	4.007	317.2E6	443.4E6	47.553	47.654
5)	MB Aldrin	5.231	4.289	318.7E6	440.5E6	50.314	50.758
6)	B beta-BHC	4.489	3.955	134.3E6	193.4E6	49.262	47.623
7)	B delta-BHC	4.733	4.188	309.5E6	459.4E6	51.004m	49.975
8)	B Heptachlo...	5.651	4.790	287.2E6	399.8E6	49.978	50.410m
9)	A Endosulfan I	6.033	5.162	262.4E6	372.2E6	50.635	48.444
10)	B gamma-Chl...	5.905	5.043	285.2E6	418.6E6	50.440	47.934
11)	B alpha-Chl...	5.986	5.107	283.3E6	409.1E6	49.877	49.281
12)	B 4,4'-DDE	6.156	5.296	246.0E6	390.2E6	51.633	50.771
13)	MA Dieldrin	6.305	5.426	276.6E6	409.5E6	50.446	50.082
14)	MA Endrin	6.532	5.701	197.9E6	322.5E6	42.907	42.941
15)	B Endosulfa...	6.746	5.993	236.4E6	351.7E6	48.056	49.477
16)	A 4,4'-DDD	6.666	5.848	215.6E6	350.8E6	57.175	54.389
17)	MA 4,4'-DDT	6.980	6.101	181.0E6	293.2E6	42.818	42.372
18)	B Endrin al...	6.874	6.171	170.7E6	270.7E6	55.376	50.711
19)	B Endosulfa...	7.108	6.395	206.5E6	332.9E6	50.583	48.596
20)	A Methoxychlor	7.452	6.673	85891293	150.0E6	41.187	39.795
21)	B Endrin ke...	7.588	6.899	230.8E6	394.4E6	54.389	52.379
22)	Mirex	8.065	7.089	165.0E6	280.6E6	46.488	46.934

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092325\
Data File : PL097360.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Sep 2025 11:14
Operator : AR\AJ
Sample : PB169766BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

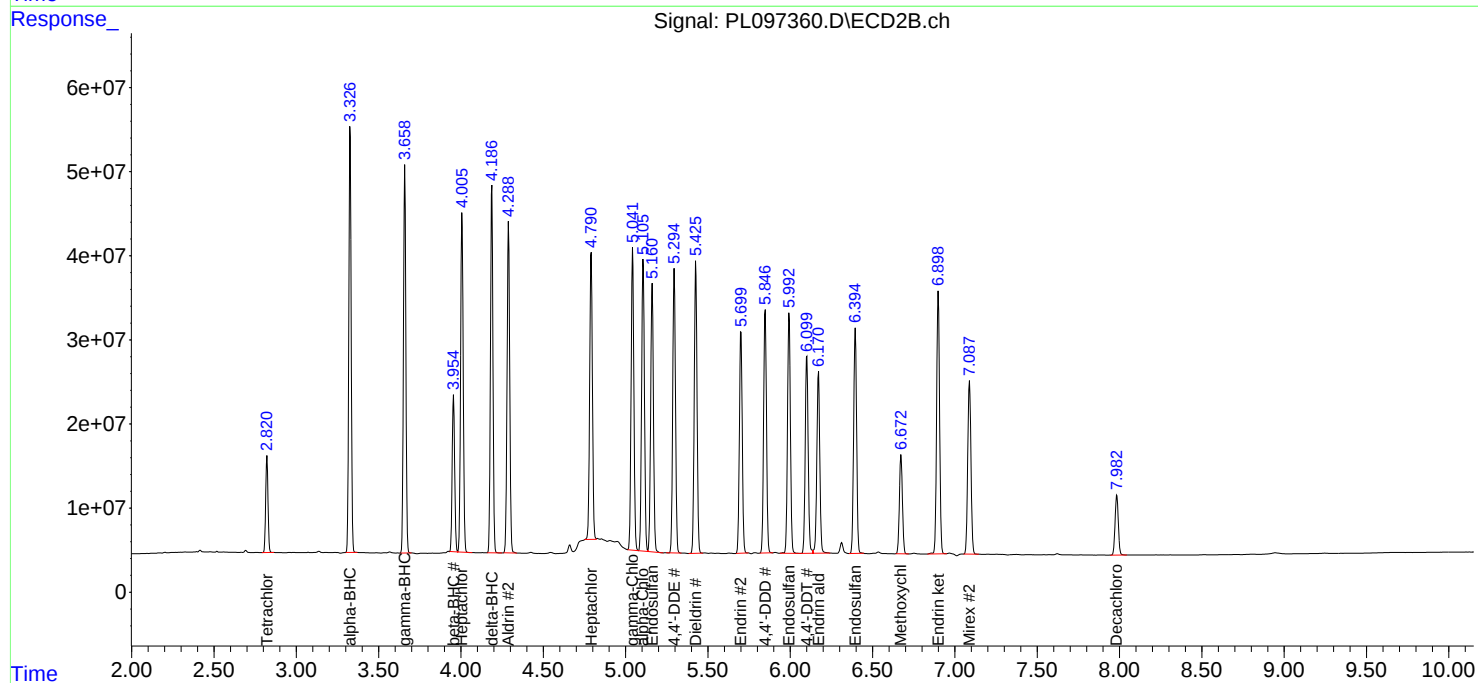
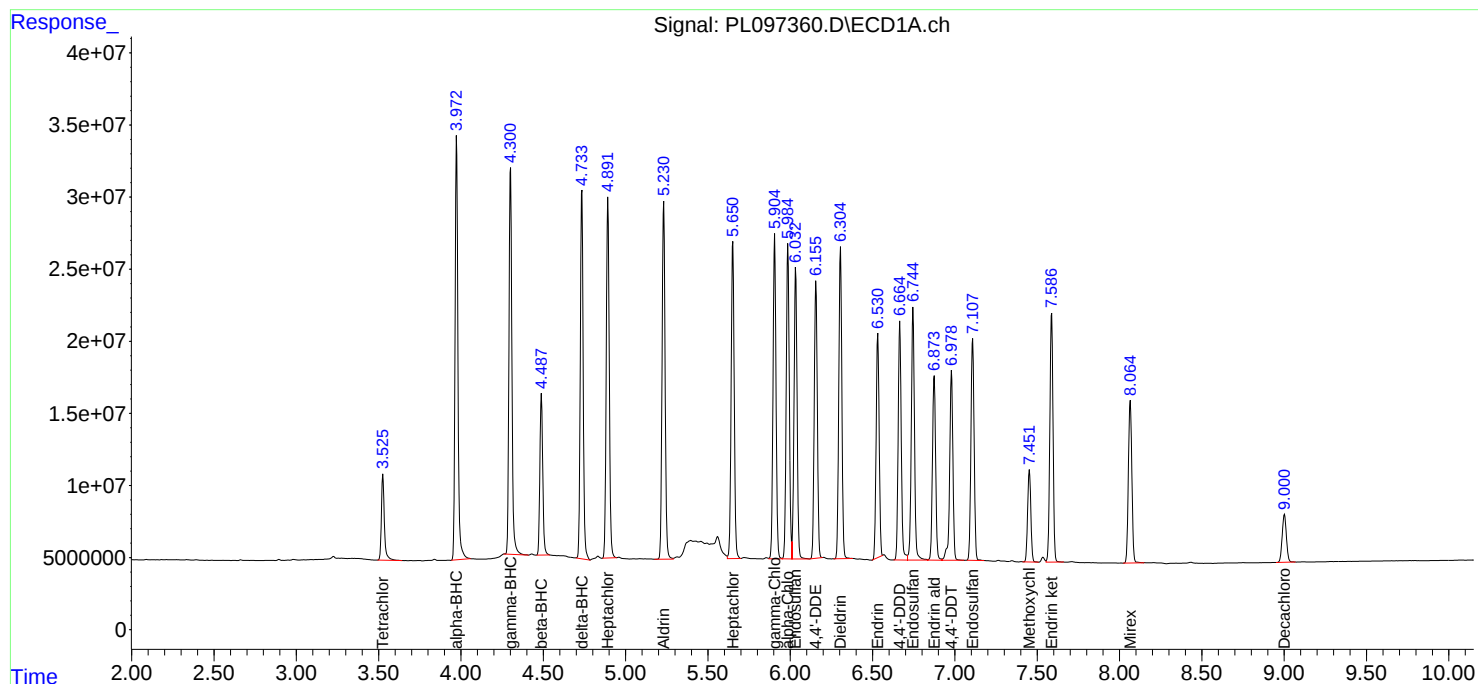
Instrument :
ECD_L
ClientSampleId :
PB169766BS

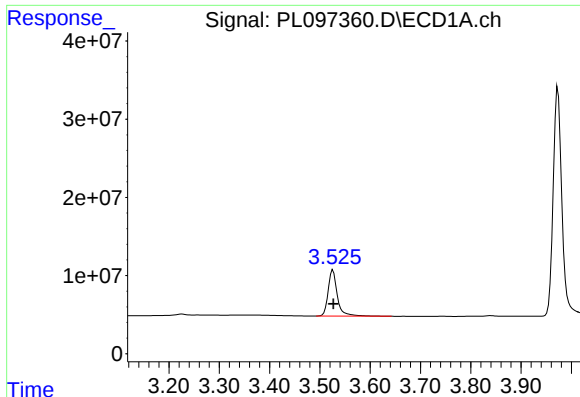
Manual Integrations
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Supervised By :mohammad ahmed 09/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 24 01:26:18 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.: -0.001 min
Response: 74472716
Conc: 16.45 ng/ml

Instrument :

ECD_L

ClientSampleId :

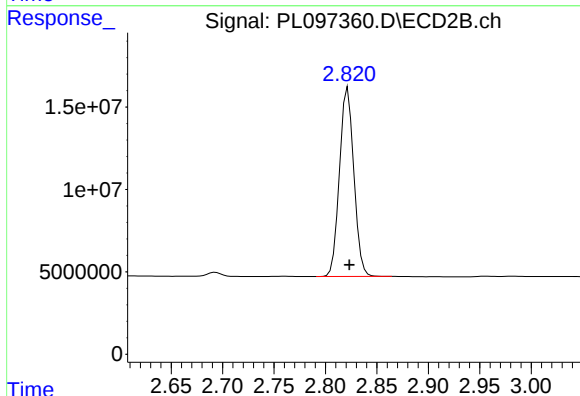
PB169766BS

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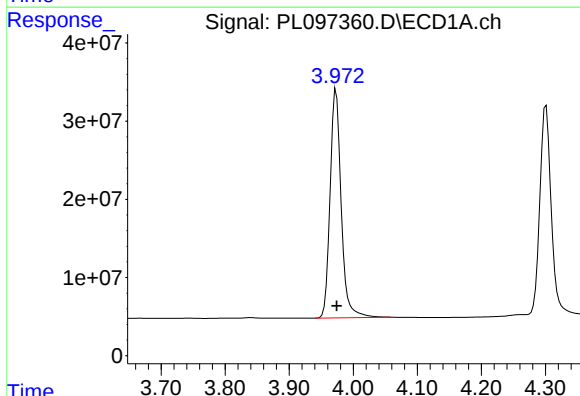
Reviewed By :Abdul Mirza 09/24/2025

Supervised By :mohammad ahmed 09/25/2025



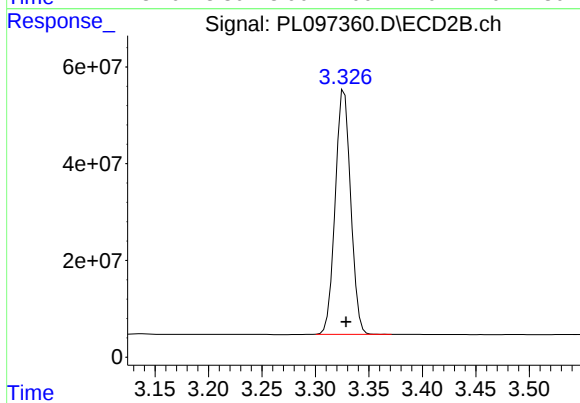
#1 Tetrachloro-m-xylene

R.T.: 2.822 min
Delta R.T.: -0.002 min
Response: 111129473
Conc: 16.90 ng/ml



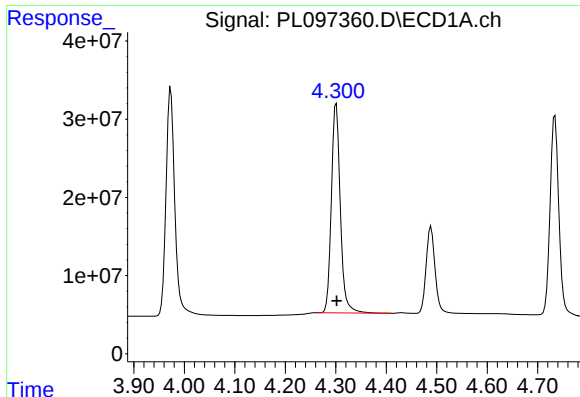
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: 0.000 min
Response: 352182242
Conc: 50.40 ng/ml



#2 alpha-BHC

R.T.: 3.327 min
Delta R.T.: -0.002 min
Response: 508292670
Conc: 51.05 ng/ml



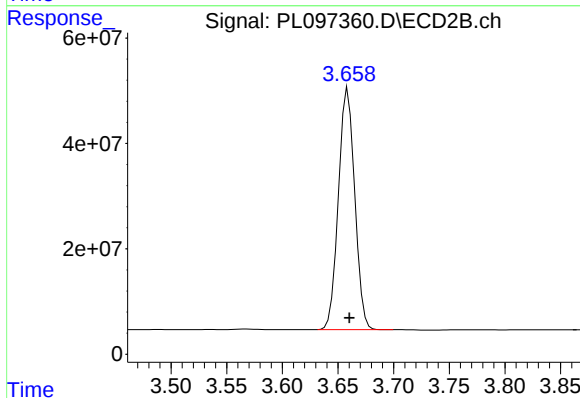
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.001 min
Response: 331254803
Conc: 50.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

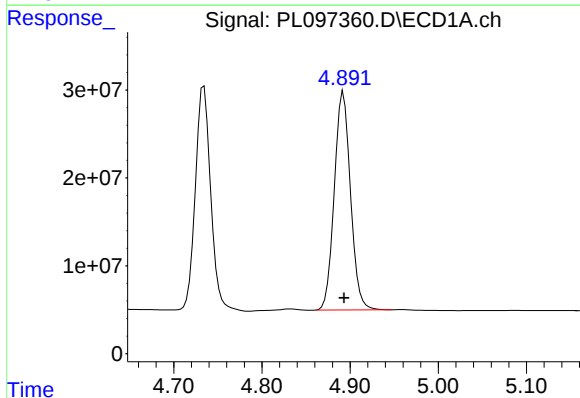
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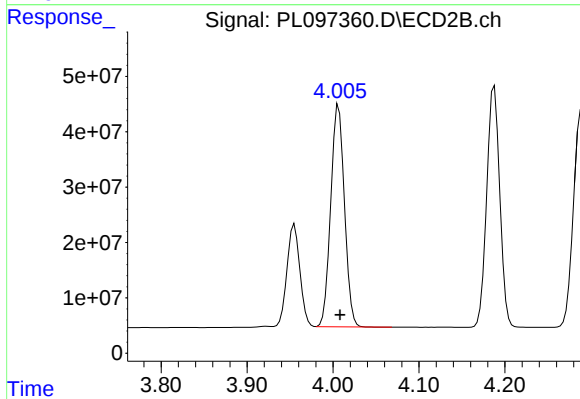
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: -0.001 min
Response: 467875974
Conc: 50.23 ng/ml



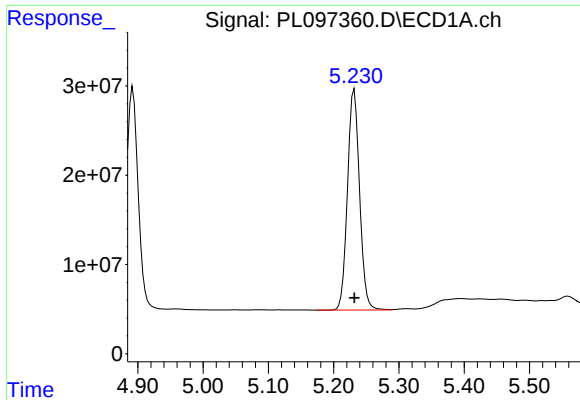
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: 0.000 min
Response: 317183348
Conc: 47.55 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.002 min
Response: 443426915
Conc: 47.65 ng/ml



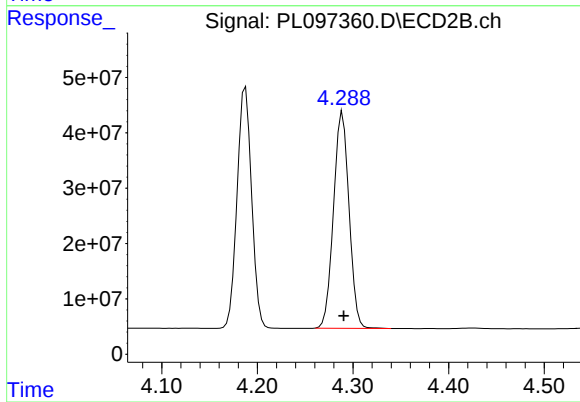
#5 Aldrin

R.T.: 5.231 min
Delta R.T.: 0.000 min
Response: 318679196
Conc: 50.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

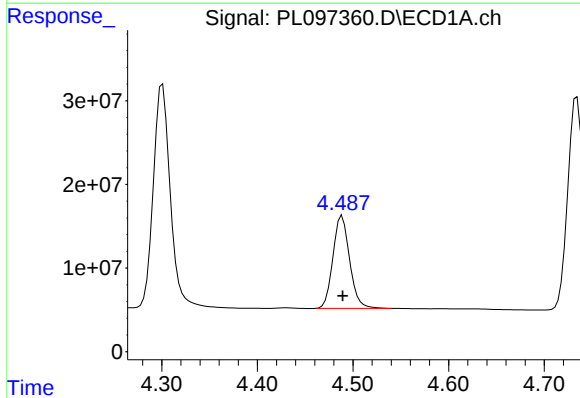
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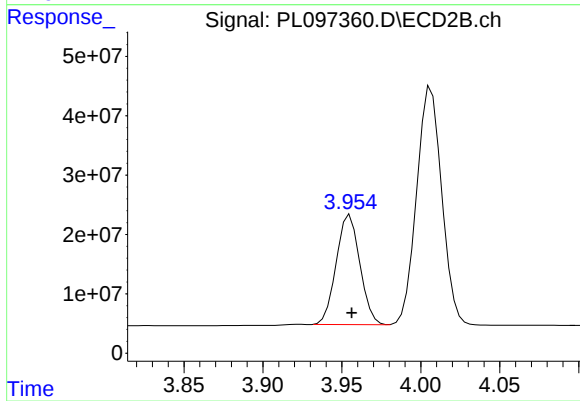
#5 Aldrin

R.T.: 4.289 min
Delta R.T.: -0.001 min
Response: 440541447
Conc: 50.76 ng/ml



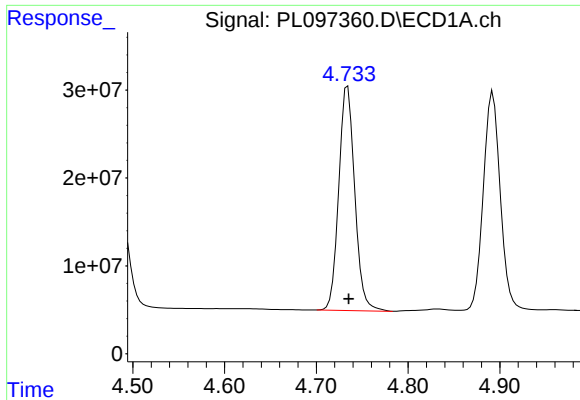
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 134298098
Conc: 49.26 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: -0.001 min
Response: 193447699
Conc: 47.62 ng/ml



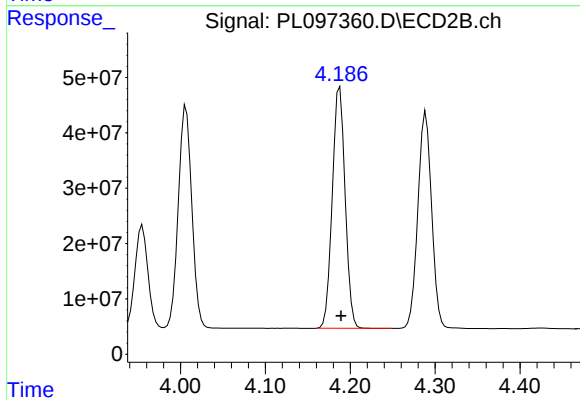
#7 delta-BHC

R.T.: 4.733 min
Delta R.T.: -0.002 min
Response: 309508015
Conc: 51.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

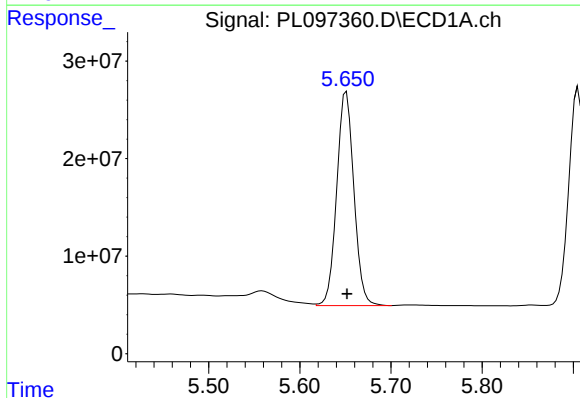
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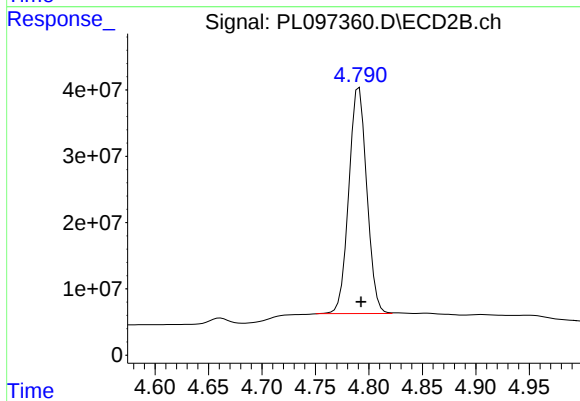
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.001 min
Response: 459382494
Conc: 49.98 ng/ml



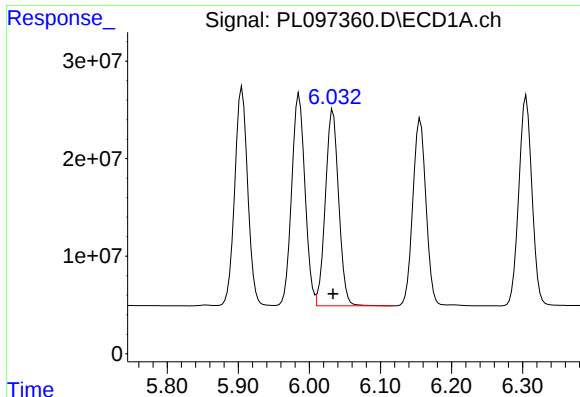
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 287222744
Conc: 49.98 ng/ml



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: -0.003 min
Response: 399826073
Conc: 50.41 ng/ml m



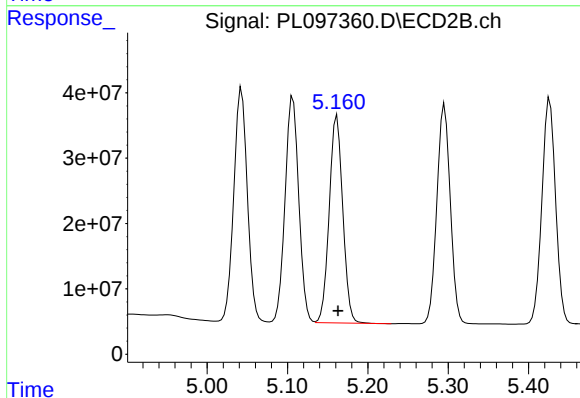
#9 Endosulfan I

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 262355854
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

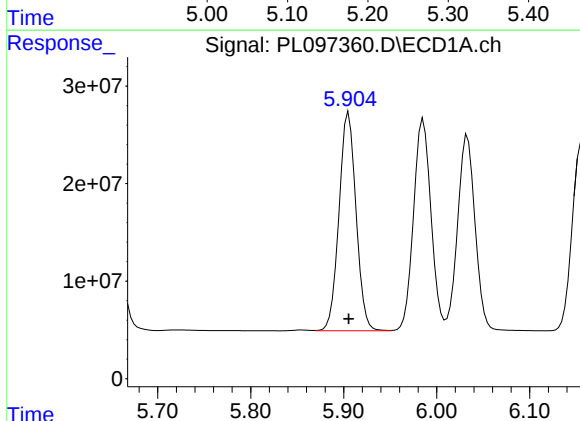
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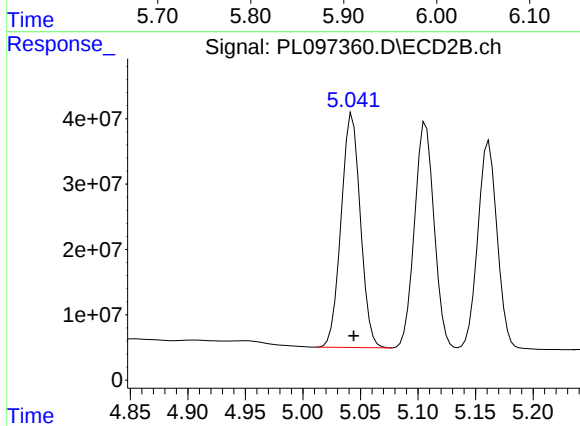
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.001 min
Response: 372226996
Conc: 48.44 ng/ml



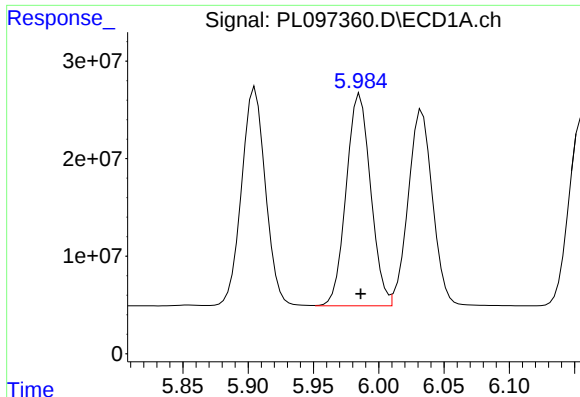
#10 gamma-Chlordane

R.T.: 5.905 min
Delta R.T.: 0.000 min
Response: 285166294
Conc: 50.44 ng/ml



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.001 min
Response: 418644453
Conc: 47.93 ng/ml



#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: 0.000 min
Response: 283295797
Conc: 49.88 ng/ml

Instrument :

ECD_L

ClientSampleId :

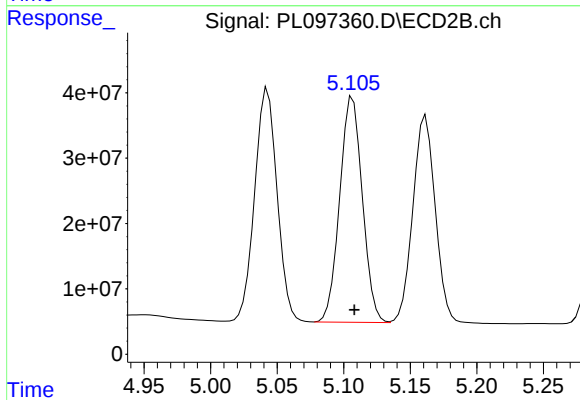
PB169766BS

Manual Integrations

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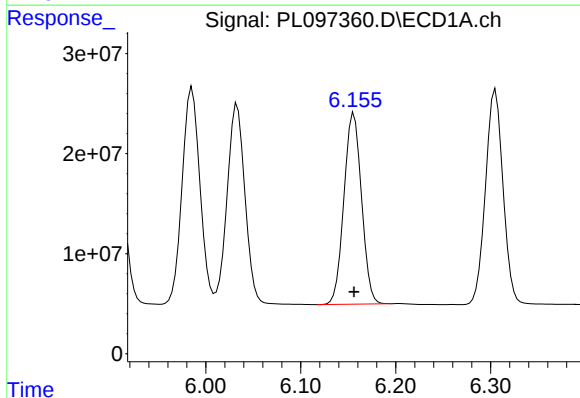
Reviewed By :Abdul Mirza 09/24/2025

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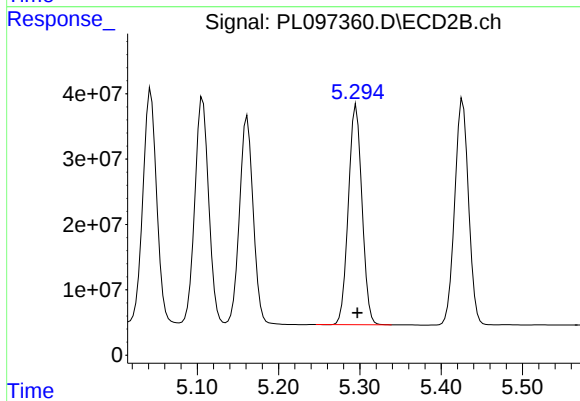
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.001 min
Response: 409056090
Conc: 49.28 ng/ml



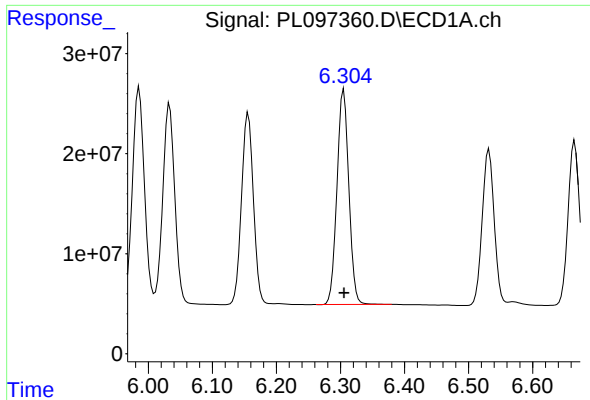
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: 0.000 min
Response: 246016963
Conc: 51.63 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.001 min
Response: 390157529
Conc: 50.77 ng/ml



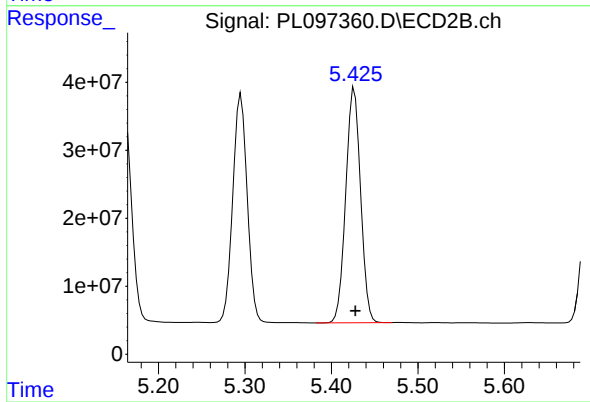
#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 276550562
Conc: 50.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

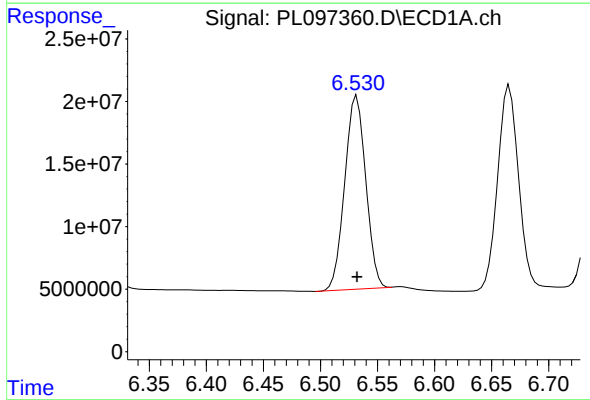
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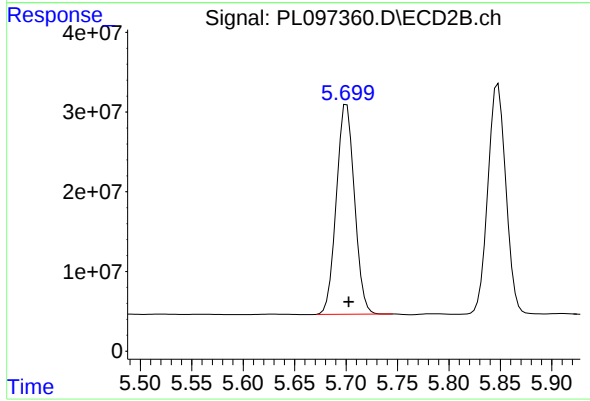
#13 Dieldrin

R.T.: 5.426 min
Delta R.T.: -0.001 min
Response: 409508930
Conc: 50.08 ng/ml



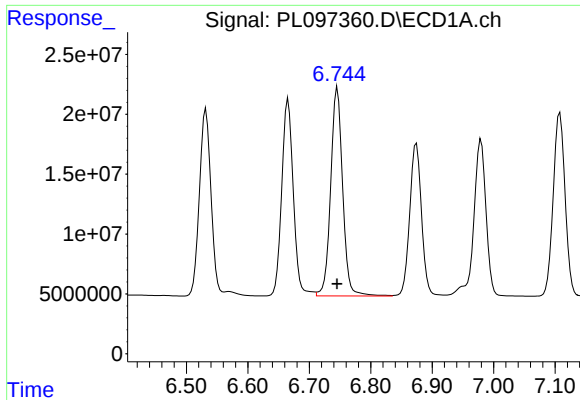
#14 Endrin

R.T.: 6.532 min
Delta R.T.: 0.000 min
Response: 197934575
Conc: 42.91 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.002 min
Response: 322510422
Conc: 42.94 ng/ml



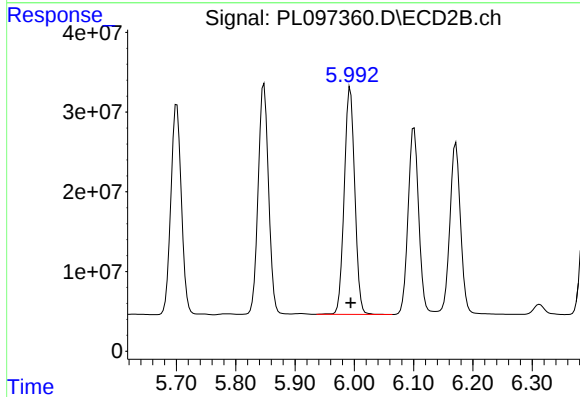
#15 Endosulfan II

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 236356587
Conc: 48.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

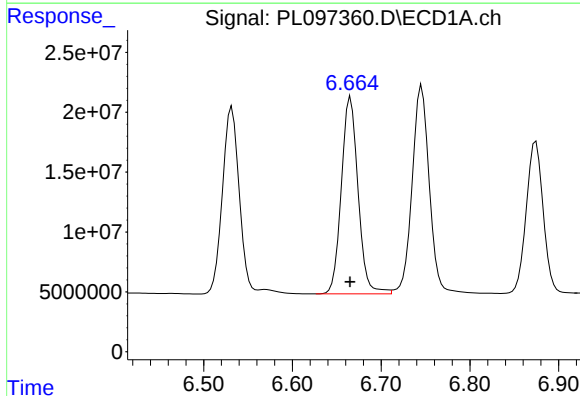
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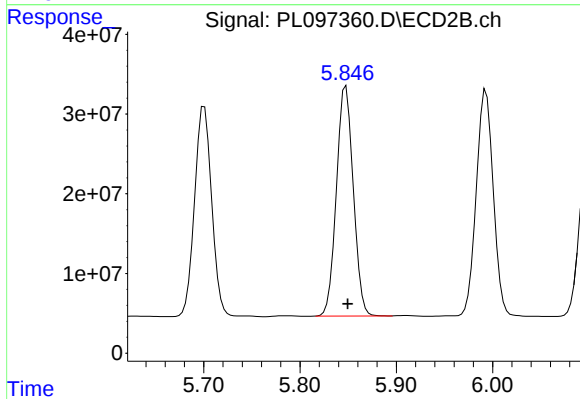
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.001 min
Response: 351746077
Conc: 49.48 ng/ml



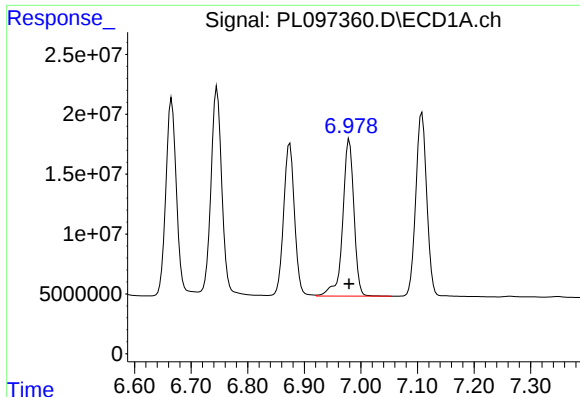
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: 0.000 min
Response: 215579998
Conc: 57.17 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.002 min
Response: 350761754
Conc: 54.39 ng/ml



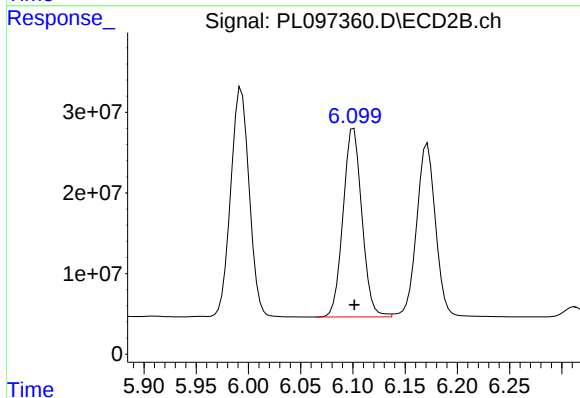
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 181001529
Conc: 42.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

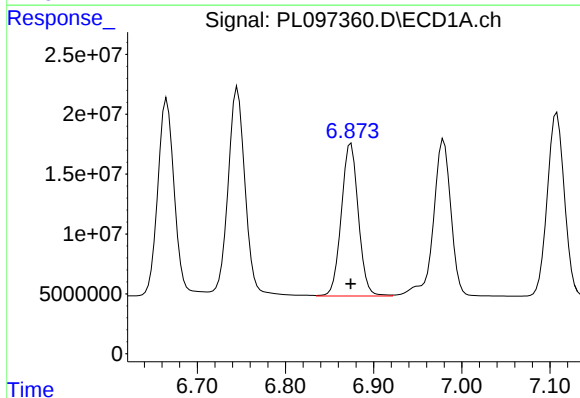
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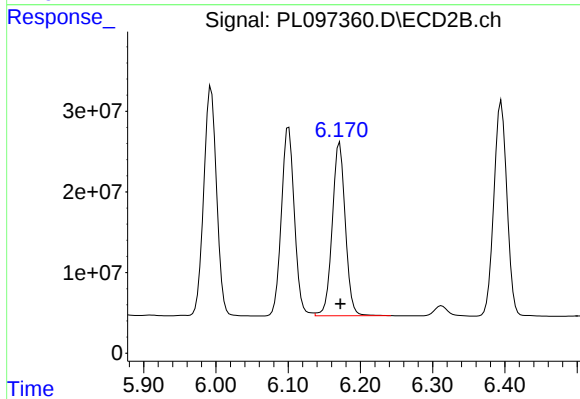
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: 0.000 min
Response: 293234624
Conc: 42.37 ng/ml



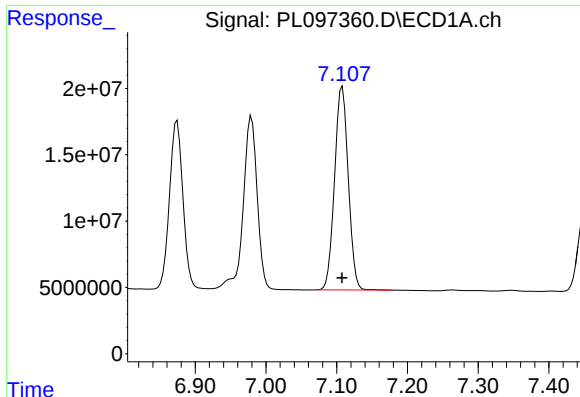
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: 0.000 min
Response: 170712950
Conc: 55.38 ng/ml



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: 0.000 min
Response: 270664444
Conc: 50.71 ng/ml



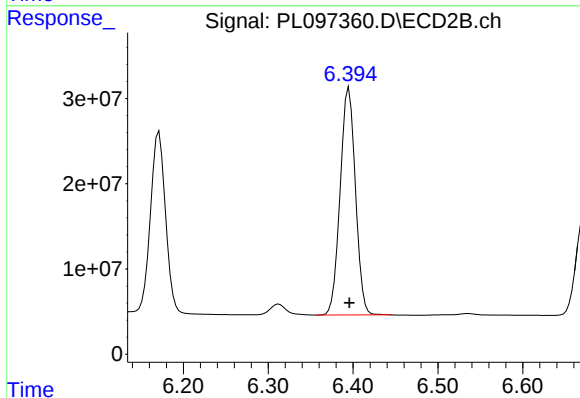
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: 0.000 min
Response: 206515513
Conc: 50.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

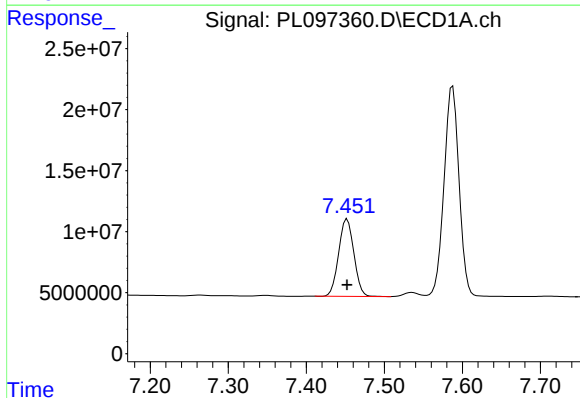
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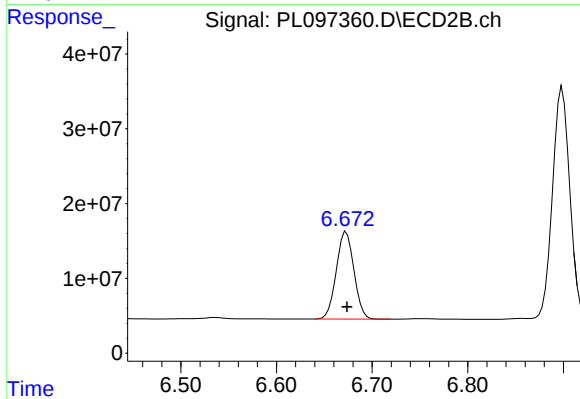
#19 Endosulfan Sulfate

R.T.: 6.395 min
Delta R.T.: 0.000 min
Response: 332872766
Conc: 48.60 ng/ml



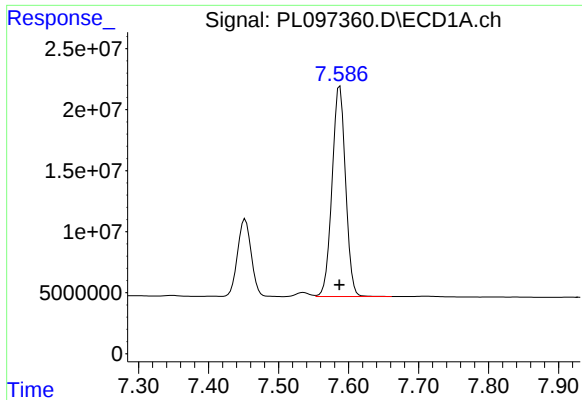
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: 0.000 min
Response: 85891293
Conc: 41.19 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 150006719
Conc: 39.80 ng/ml



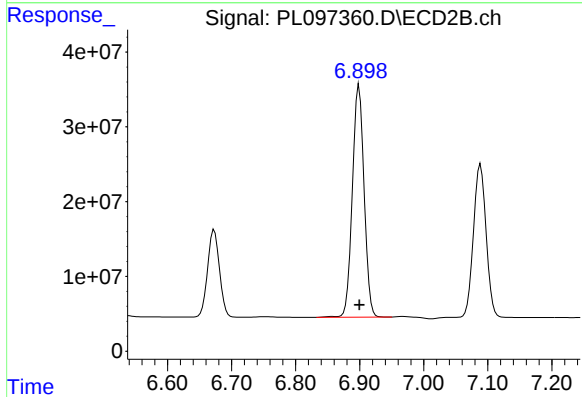
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: 0.000 min
Response: 230846338
Conc: 54.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169766BS

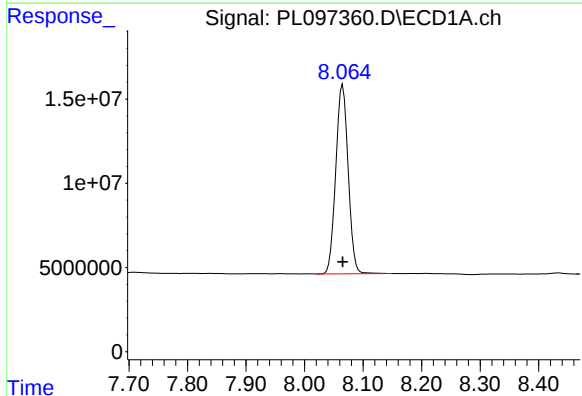
Manual Integrations
APPROVED

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



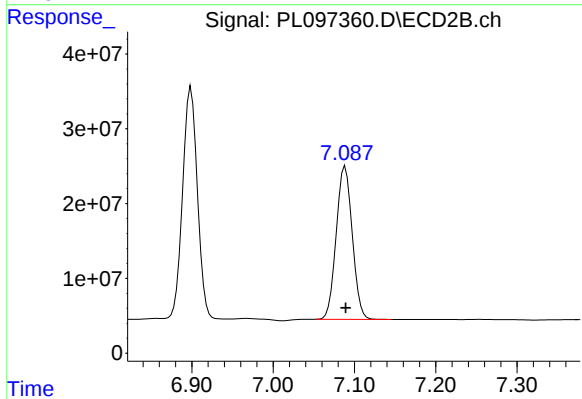
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: 0.000 min
Response: 394427828
Conc: 52.38 ng/ml



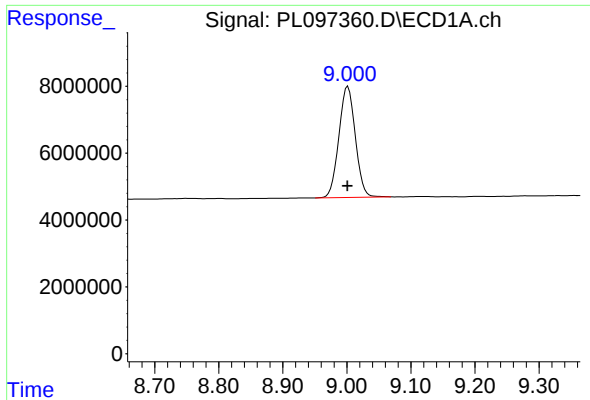
#22 Mirex

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 165044964
Conc: 46.49 ng/ml



#22 Mirex

R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 280604046
Conc: 46.93 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: 0.000 min
Response: 59293977
Conc: 18.12 ng/ml

Instrument :

ECD_L

ClientSampleId :

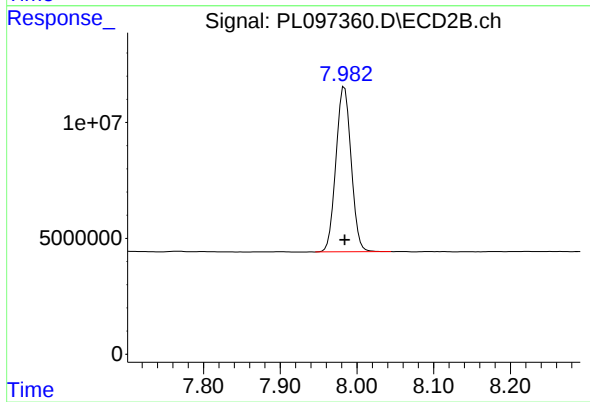
PB169766BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 98154603
Conc: 17.25 ng/ml