

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
 Data File : PD089403.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 14:21
 Operator : AR\AJ
 Sample : PB168765BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168765BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/10/2025
 Supervised By : mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 01:43:20 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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 x 0.25µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.549	2.880	46188103	320.5E6	16.189	18.908
28)	SA Decachlor...	9.071	8.070	72736562	399.4E6	18.519	20.202
Target Compounds							
2)	A alpha-BHC	3.998	3.392	316.6E6	1521.5E6	54.312	56.778
3)	MA gamma-BHC...	4.329	3.726	303.3E6	1409.5E6	54.330	56.933m
4)	MA Heptachlor	4.928	4.081	304.7E6	1411.1E6	55.889	56.358
5)	MB Aldrin	5.270	4.367	292.6E6	1389.5E6	55.073	57.378
6)	B beta-BHC	4.515	4.024	113.9E6	599.9E6	51.615	55.820
7)	B delta-BHC	4.763	4.260	296.5E6	1418.4E6	57.769	57.023
8)	B Heptachlo...	5.689	4.870	261.8E6	1261.2E6	54.262	57.592
9)	A Endosulfan I	6.073	5.245	248.4E6	1198.5E6	55.103	57.504
10)	B gamma-Chl...	5.945	5.124	265.1E6	1357.1E6	55.369	56.730
11)	B alpha-Chl...	6.025	5.188	264.8E6	1297.1E6	54.728	56.651
12)	B 4,4'-DDE	6.195	5.373	243.3E6	1312.1E6	55.793	57.258
13)	MA Dieldrin	6.345	5.511	267.4E6	1331.1E6	55.743	57.352
14)	MA Endrin	6.573	5.787	221.9E6	1173.5E6	53.798	54.042
15)	B Endosulfa...	6.784	6.078	225.7E6	1156.3E6	55.913	57.250
16)	A 4,4'-DDD	6.704	5.927	191.7E6	1100.3E6	55.858	57.519
17)	MA 4,4'-DDT	7.020	6.182	213.4E6	1164.7E6	56.332	57.434
18)	B Endrin al...	6.913	6.257	169.7E6	873.7E6	55.373	57.066
19)	B Endosulfa...	7.148	6.480	212.3E6	1126.5E6	55.335	57.412
20)	A Methoxychlor	7.491	6.752	109.1E6	588.5E6	54.005	54.656
21)	B Endrin ke...	7.629	6.989	230.8E6	1257.9E6	56.668	58.230
22)	Mirex	8.112	7.184	145.5E6	832.2E6	47.856	49.899

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089403.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 14:21
Operator : AR\AJ
Sample : PB168765BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

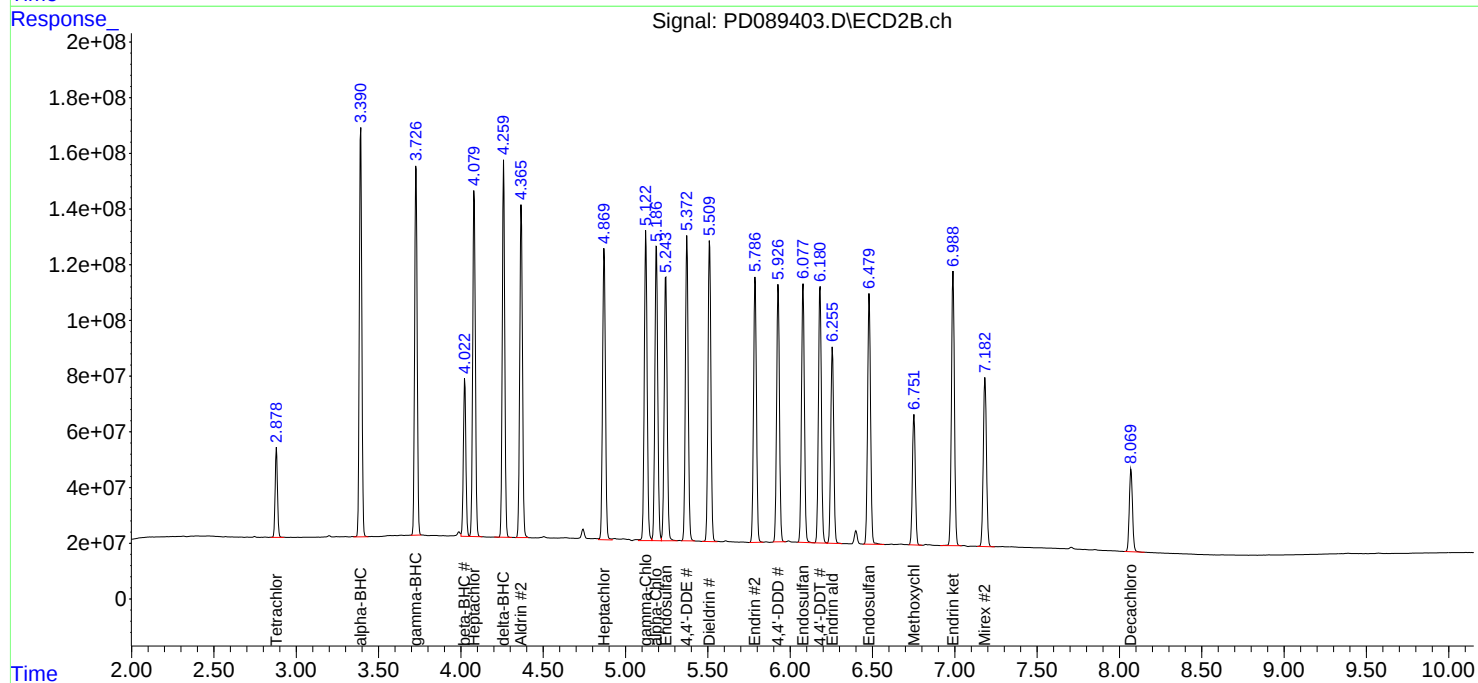
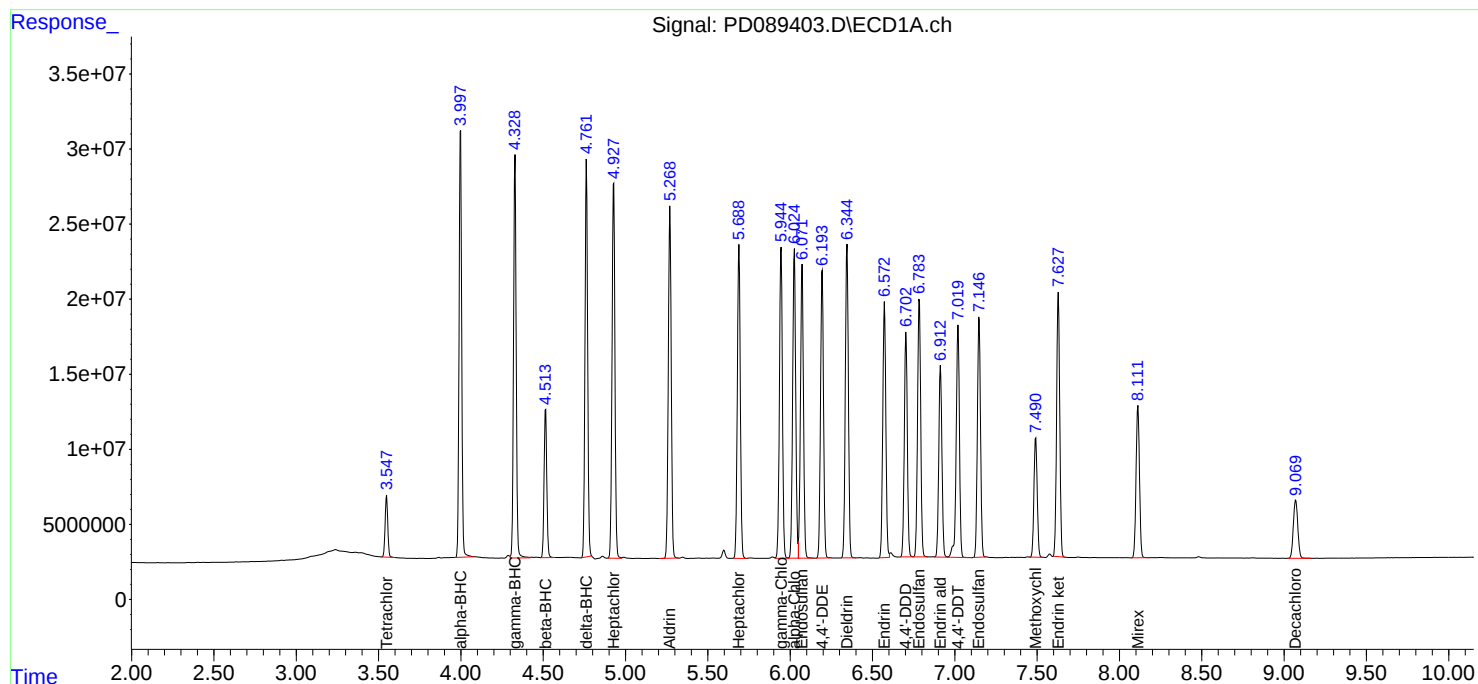
Instrument :
ECD_D
ClientSampleId :
PB168765BS

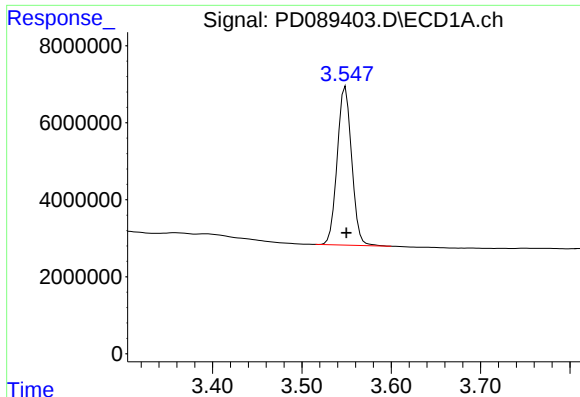
Manual Integrations
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Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:43:20 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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 x 0.25µm





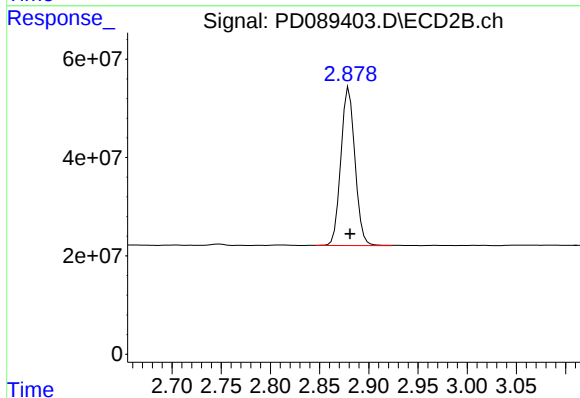
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: -0.001 min
Response: 46188103
Conc: 16.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

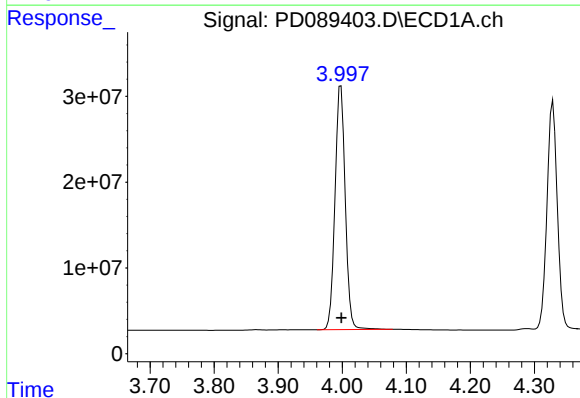
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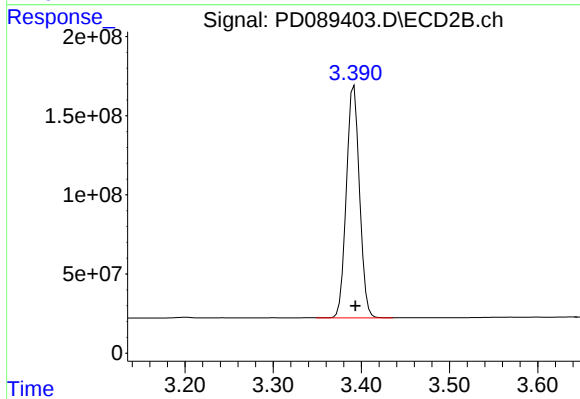
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 320549483
Conc: 18.91 ng/ml



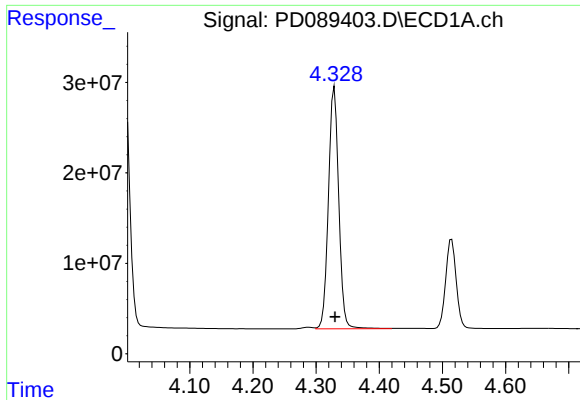
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 316589371
Conc: 54.31 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1521487697
Conc: 56.78 ng/ml



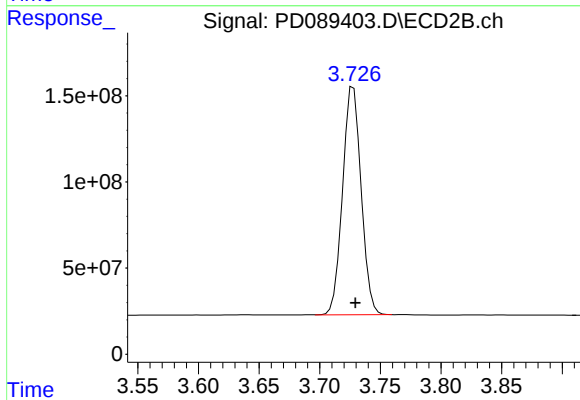
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.001 min
Response: 303250528
Conc: 54.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

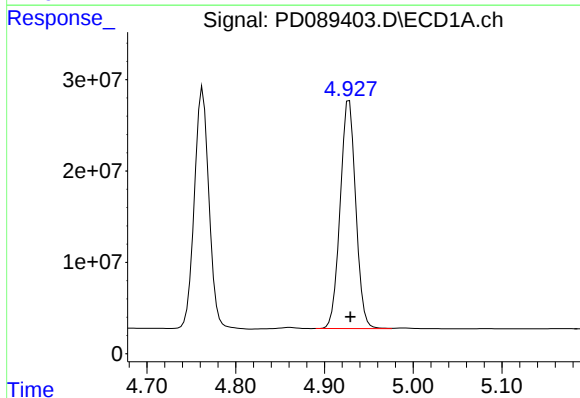
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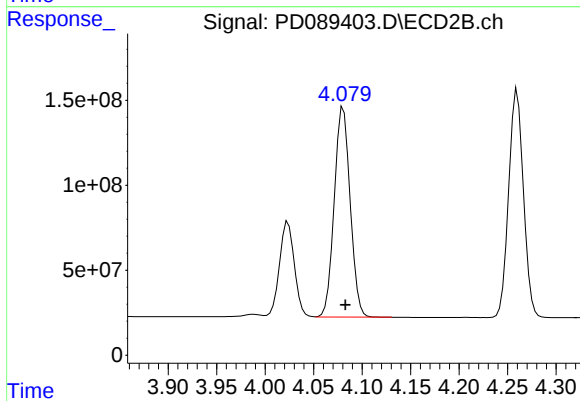
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.003 min
Response: 1409482249
Conc: 56.93 ng/ml m



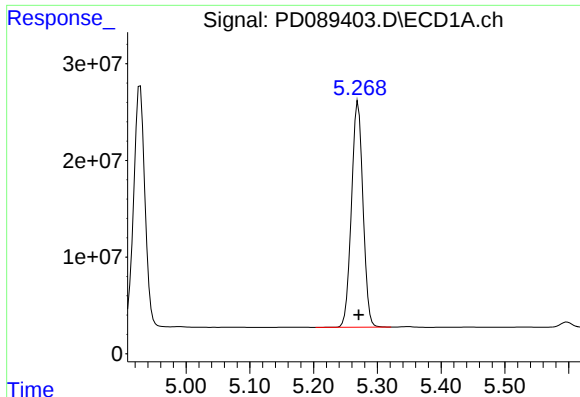
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.002 min
Response: 304702524
Conc: 55.89 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1411102300
Conc: 56.36 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 292602407
Conc: 55.07 ng/ml

Instrument :

ECD_D

ClientSampleId :

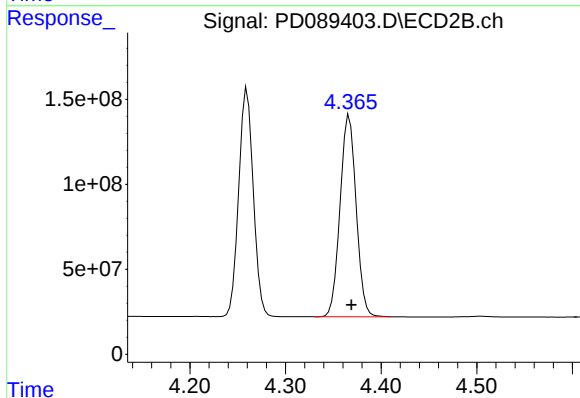
PB168765BS

Manual Integrations

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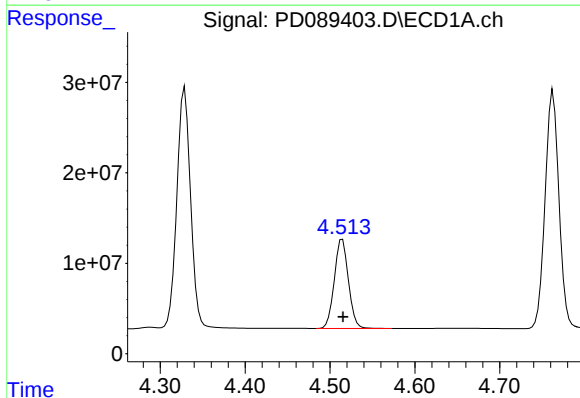
Reviewed By :Abdul Mirza 07/10/2025

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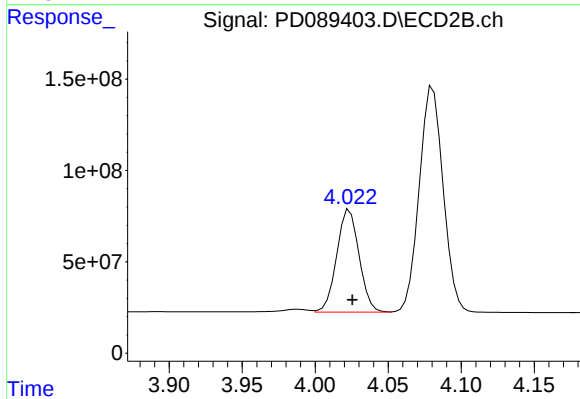
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1389538363
Conc: 57.38 ng/ml



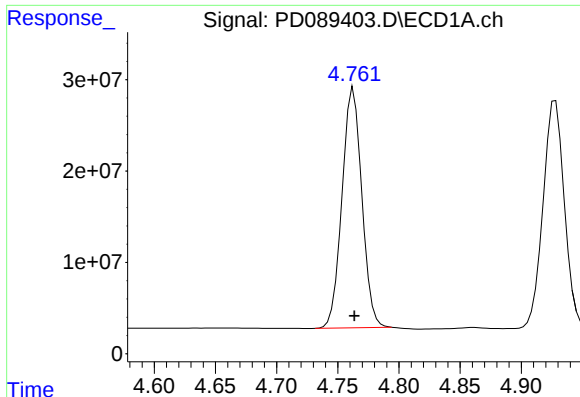
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 113922476
Conc: 51.62 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 599852711
Conc: 55.82 ng/ml



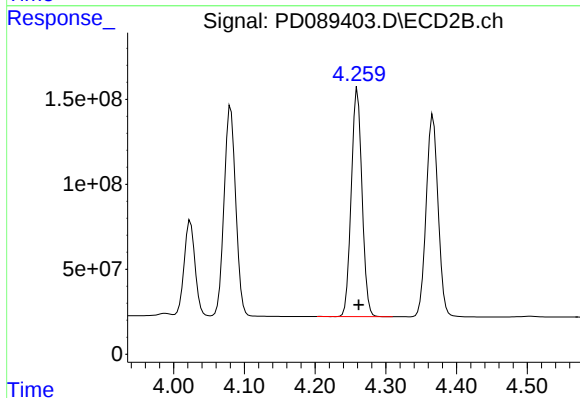
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 296522886
Conc: 57.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

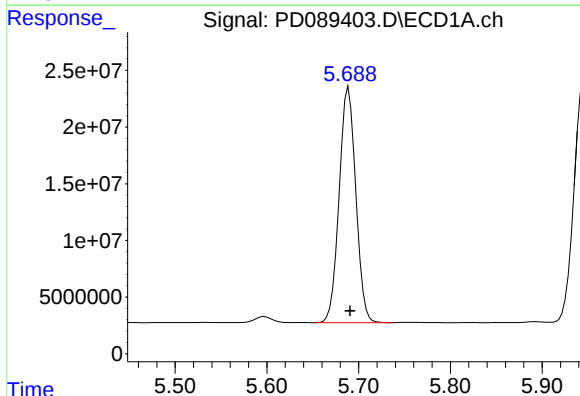
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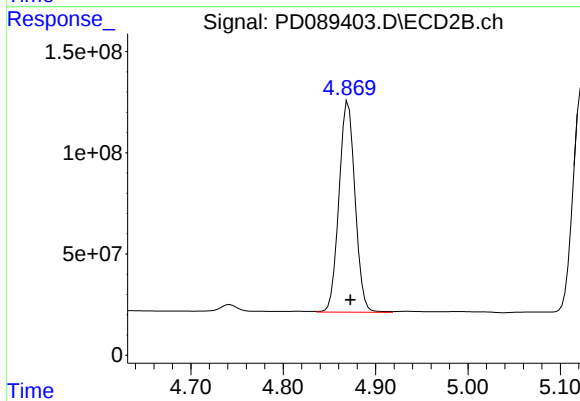
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1418369313
Conc: 57.02 ng/ml



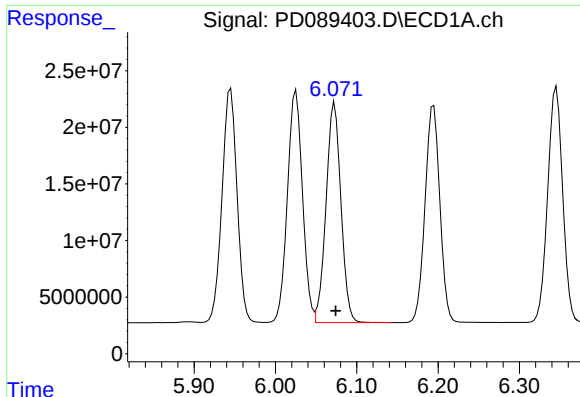
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: -0.002 min
Response: 261756439
Conc: 54.26 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.002 min
Response: 1261158549
Conc: 57.59 ng/ml



#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 248371913
Conc: 55.10 ng/ml

Instrument :

ECD_D

ClientSampleId :

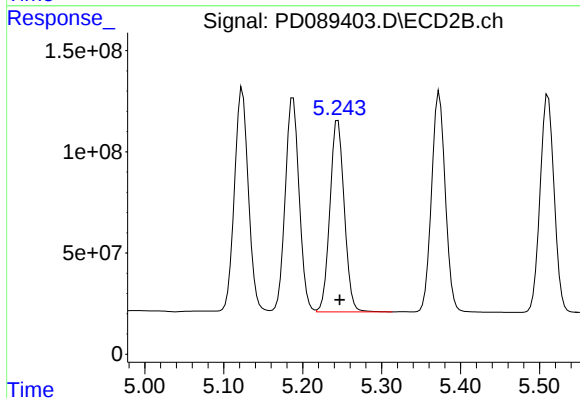
PB168765BS

Manual Integrations

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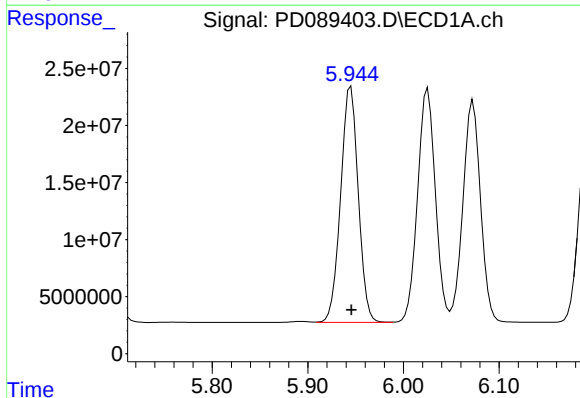
Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025



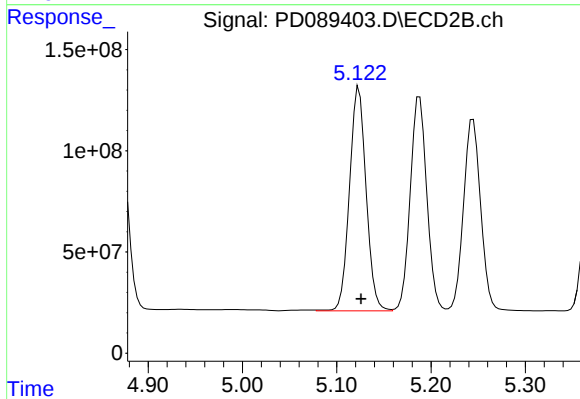
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 1198516551
Conc: 57.50 ng/ml



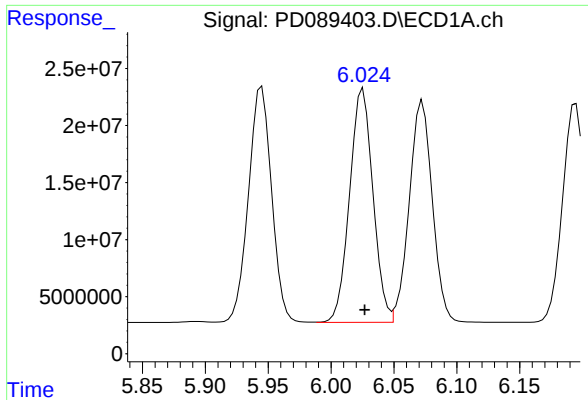
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 265111636
Conc: 55.37 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1357134005
Conc: 56.73 ng/ml



#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: -0.001 min
Response: 264803628
Conc: 54.73 ng/ml

Instrument :

ECD_D

ClientSampleId :

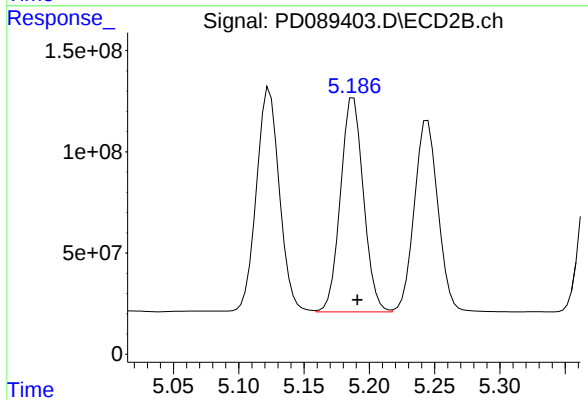
PB168765BS

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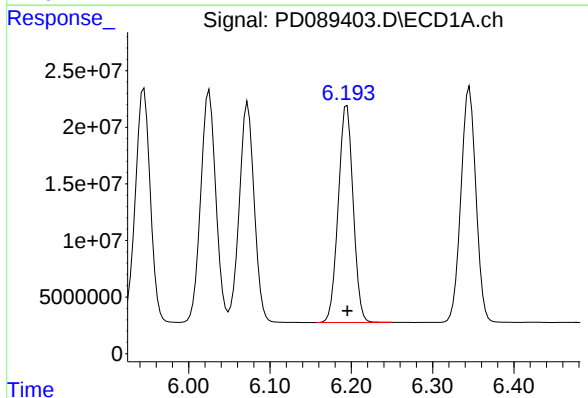
Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025



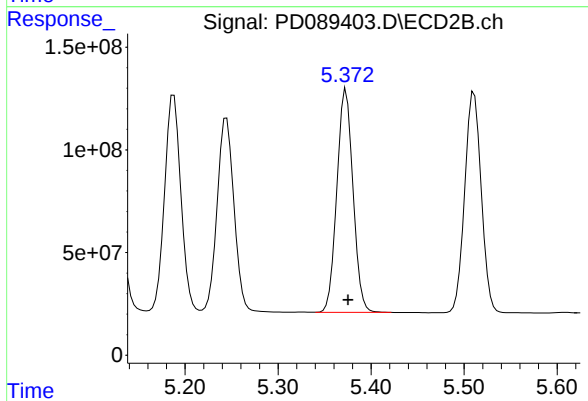
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1297130259
Conc: 56.65 ng/ml



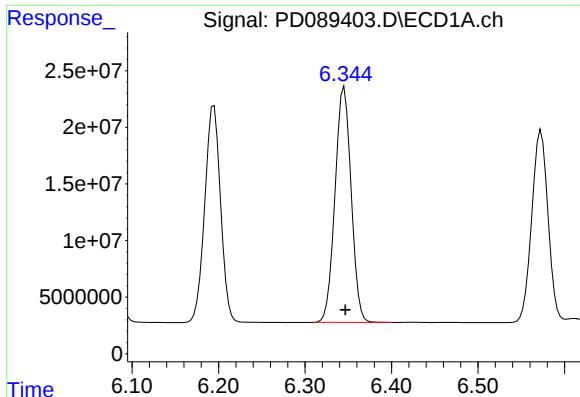
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 243315972
Conc: 55.79 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1312132523
Conc: 57.26 ng/ml



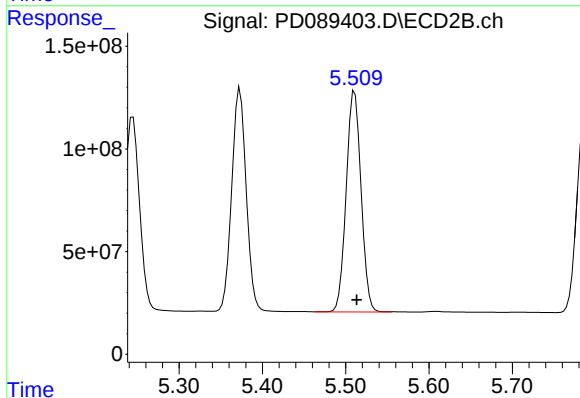
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: -0.001 min
Response: 267426273
Conc: 55.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

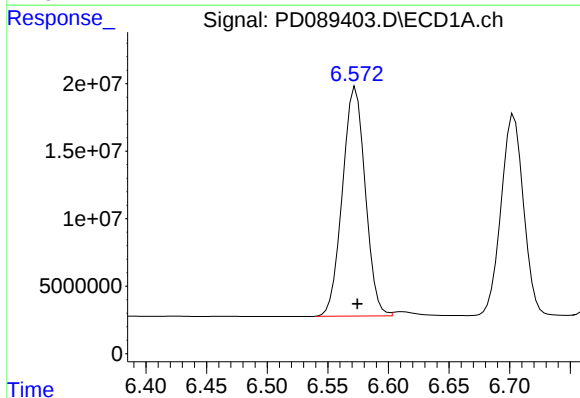
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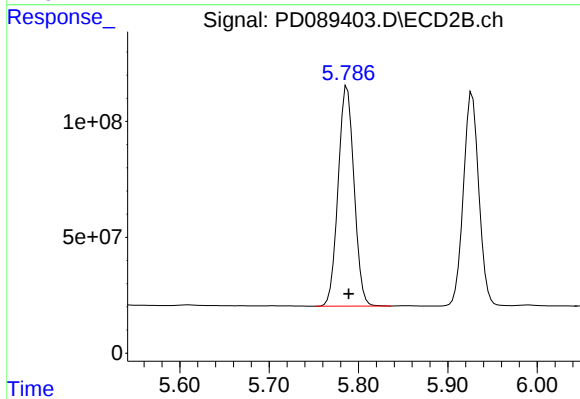
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1331052955
Conc: 57.35 ng/ml



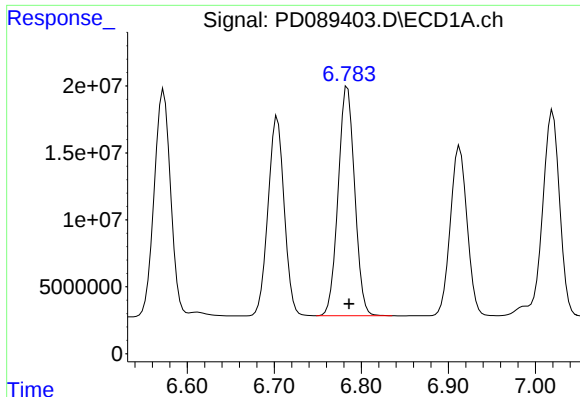
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 221949691
Conc: 53.80 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 1173469771
Conc: 54.04 ng/ml



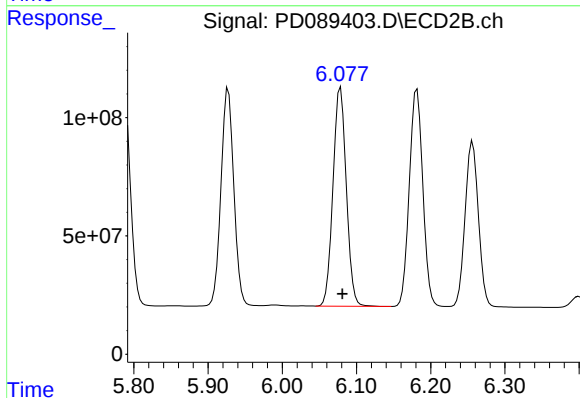
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: -0.002 min
Response: 225697142
Conc: 55.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

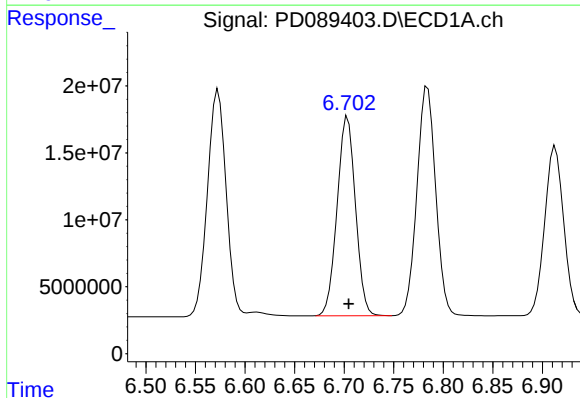
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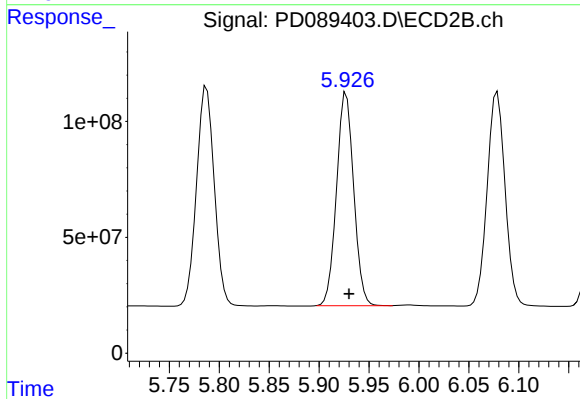
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.002 min
Response: 1156267719
Conc: 57.25 ng/ml



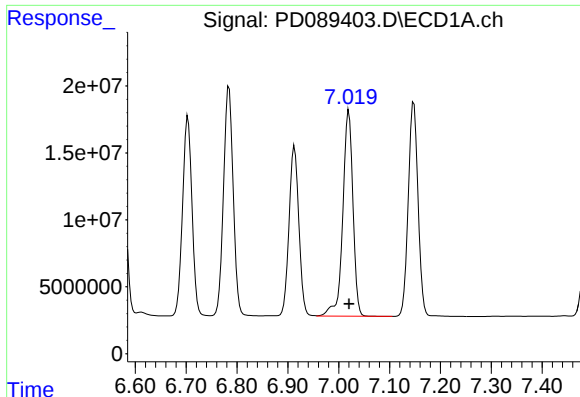
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 191709138
Conc: 55.86 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 1100306806
Conc: 57.52 ng/ml



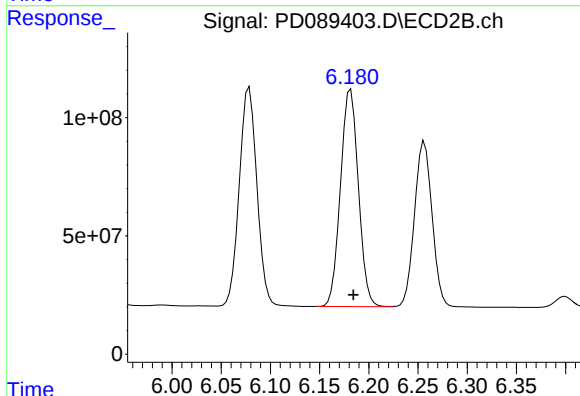
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 213397730
Conc: 56.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

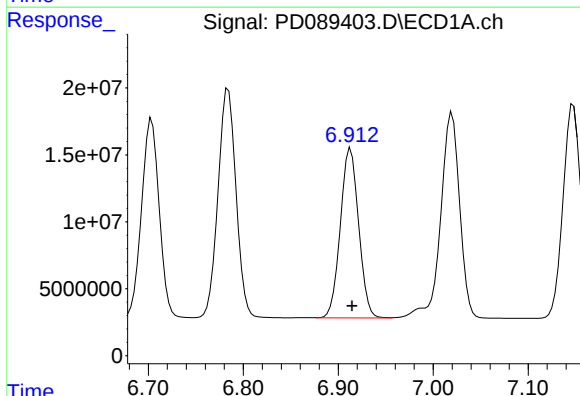
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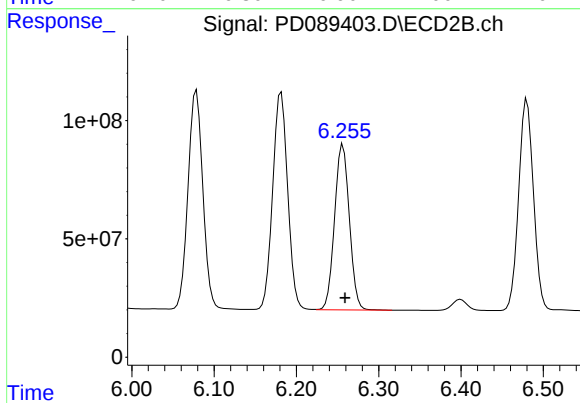
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.003 min
Response: 1164729198
Conc: 57.43 ng/ml



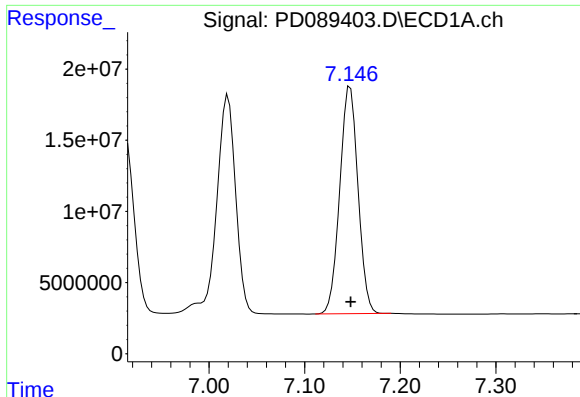
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.002 min
Response: 169658059
Conc: 55.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.003 min
Response: 873749259
Conc: 57.07 ng/ml



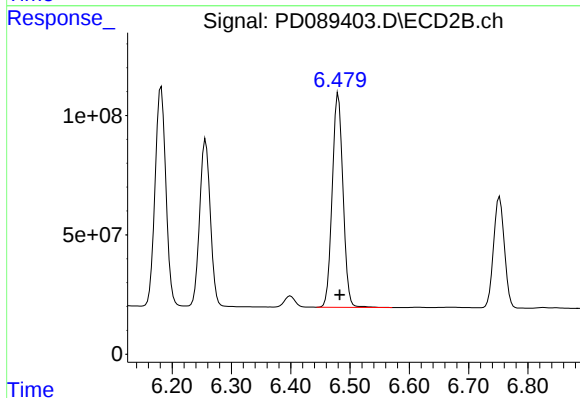
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 212331692
Conc: 55.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

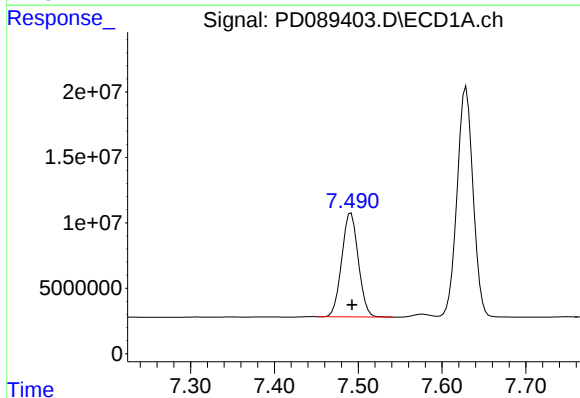
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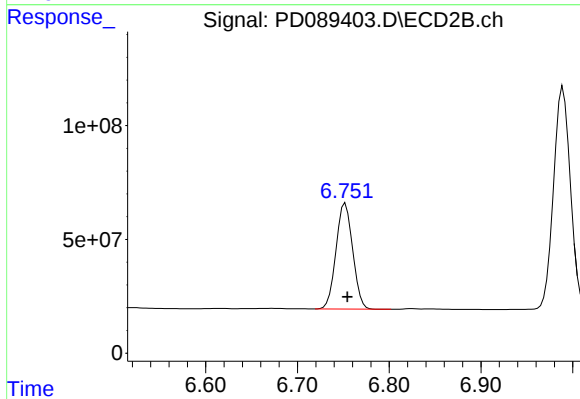
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 1126482649
Conc: 57.41 ng/ml



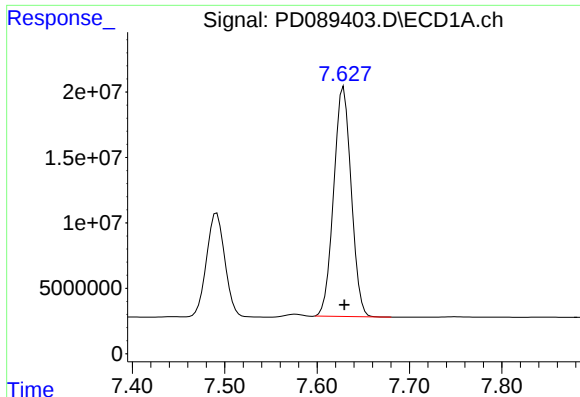
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 109124169
Conc: 54.01 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 588539995
Conc: 54.66 ng/ml



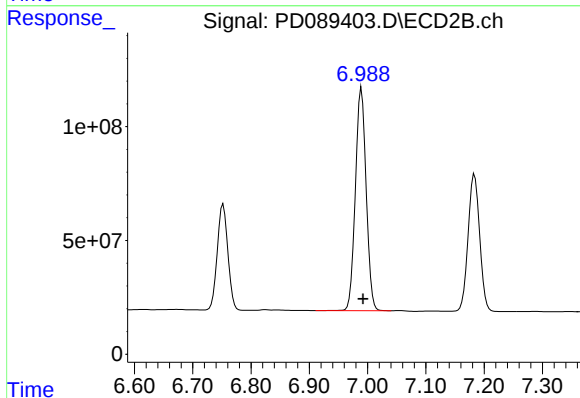
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 230813878
Conc: 56.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

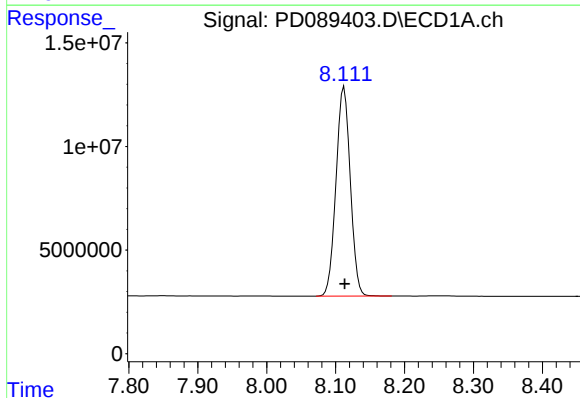
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



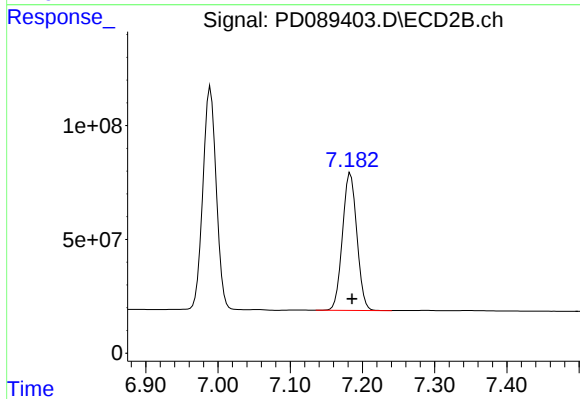
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1257876552
Conc: 58.23 ng/ml



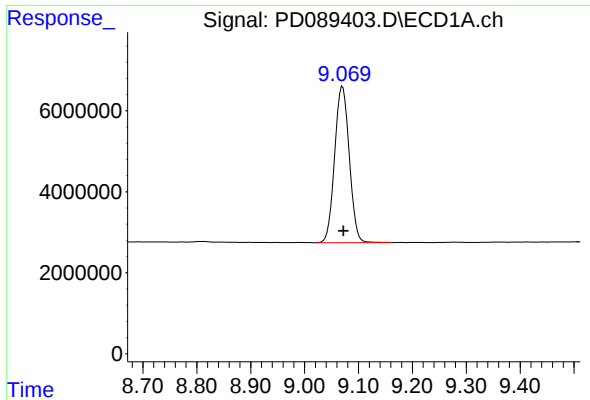
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 145487576
Conc: 47.86 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 832223717
Conc: 49.90 ng/ml



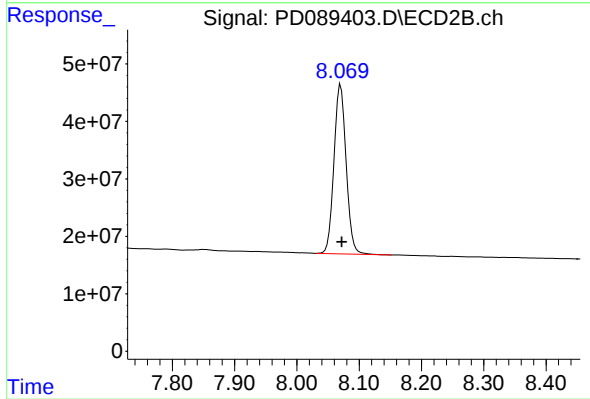
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 72736562
Conc: 18.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168765BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 399398823
Conc: 20.20 ng/ml