

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089354.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 15:44
 Operator : AR\AJ
 Sample : PB168736BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168736BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:25:11 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...	3.553	2.880	46402467	336.1E6	16.264	19.826
28)	SA Decachlor...	9.077	8.072	62044738	294.5E6	15.797	14.896
Target Compounds							
2)	A alpha-BHC	4.003	3.392	312.5E6	1516.5E6	53.618	56.593
3)	MA gamma-BHC...	4.334	3.727	297.6E6	1396.4E6	53.309	56.406m
4)	MA Heptachlor	4.933	4.082	292.5E6	1399.5E6	53.650	55.895
5)	MB Aldrin	5.274	4.368	280.6E6	1370.2E6	52.814	56.578
6)	B beta-BHC	4.519	4.025	112.9E6	591.6E6	51.168	55.051
7)	B delta-BHC	4.768	4.262	288.2E6	1410.3E6	56.153	56.697
8)	B Heptachlo...	5.694	4.872	248.0E6	1247.2E6	51.405	56.956
9)	A Endosulfan I	6.077	5.246	227.0E6	1167.4E6	50.358	56.012
10)	B gamma-Chl...	5.949	5.125	242.8E6	1333.4E6	50.706	55.739
11)	B alpha-Chl...	6.030	5.189	244.0E6	1270.0E6	50.427	55.468
12)	B 4,4'-DDE	6.199	5.374	209.2E6	1260.6E6	47.970	55.011
13)	MA Dieldrin	6.350	5.512	238.8E6	1263.5E6	49.769	54.441
14)	MA Endrin	6.577	5.788	203.2E6	1131.7E6	49.249	52.117
15)	B Endosulfa...	6.789	6.080	201.1E6	1054.5E6	49.831	52.212
16)	A 4,4'-DDD	6.708	5.929	167.7E6	1012.9E6	48.876	52.952
17)	MA 4,4'-DDT	7.024	6.183	181.7E6	1046.2E6	47.971	51.588
18)	B Endrin al...	6.918	6.258	148.5E6	778.7E6	48.455	50.858
19)	B Endosulfa...	7.153	6.482	182.5E6	985.5E6	47.565	50.227
20)	A Methoxychlor	7.496	6.754	88643045	512.9E6	43.869	47.635
21)	B Endrin ke...	7.634	6.991	187.9E6	1026.0E6	46.137	47.498
22)	Mirex	8.116	7.185	119.5E6	650.4E6	39.301	38.995

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
Data File : PD089354.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 15:44
Operator : AR\AJ
Sample : PB168736BS
Misc :
ALS Vial : 16 Sample Multiplier: 1

Instrument :

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ClientSampleId :

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Manual Integrations

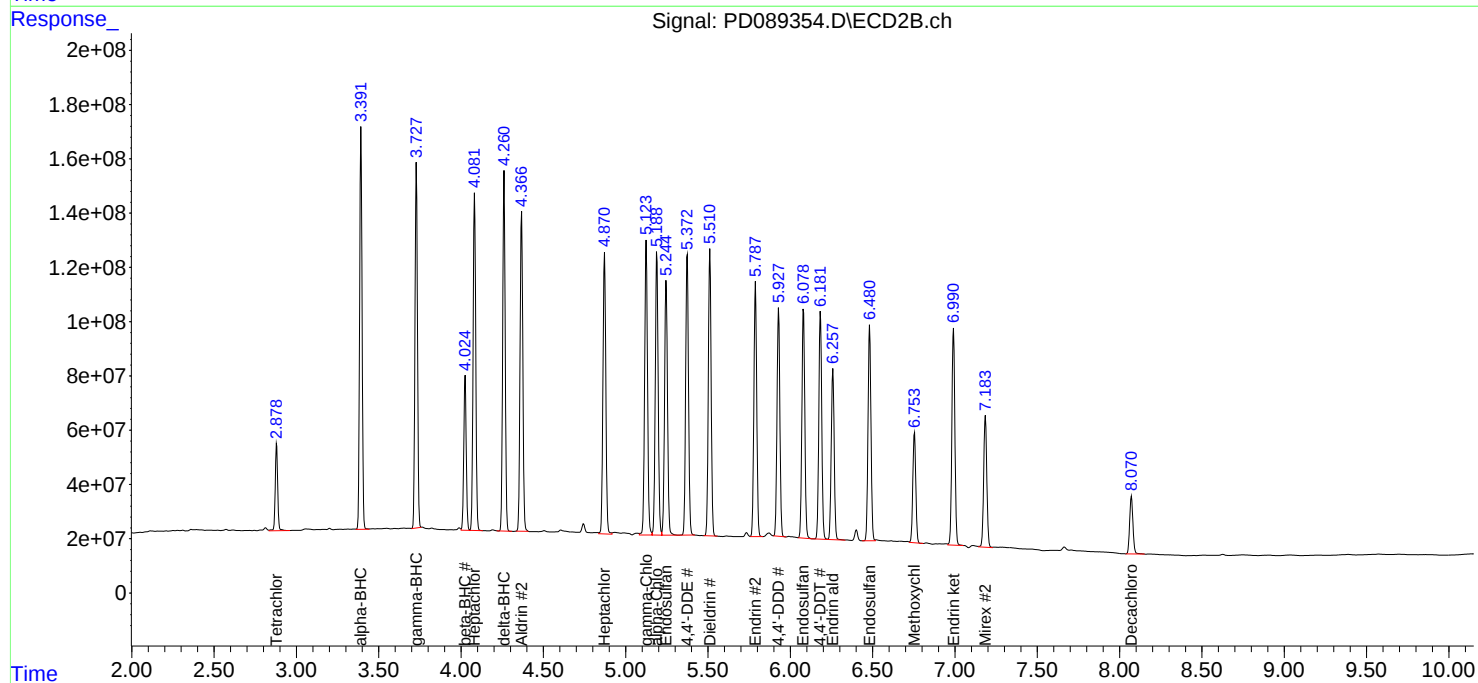
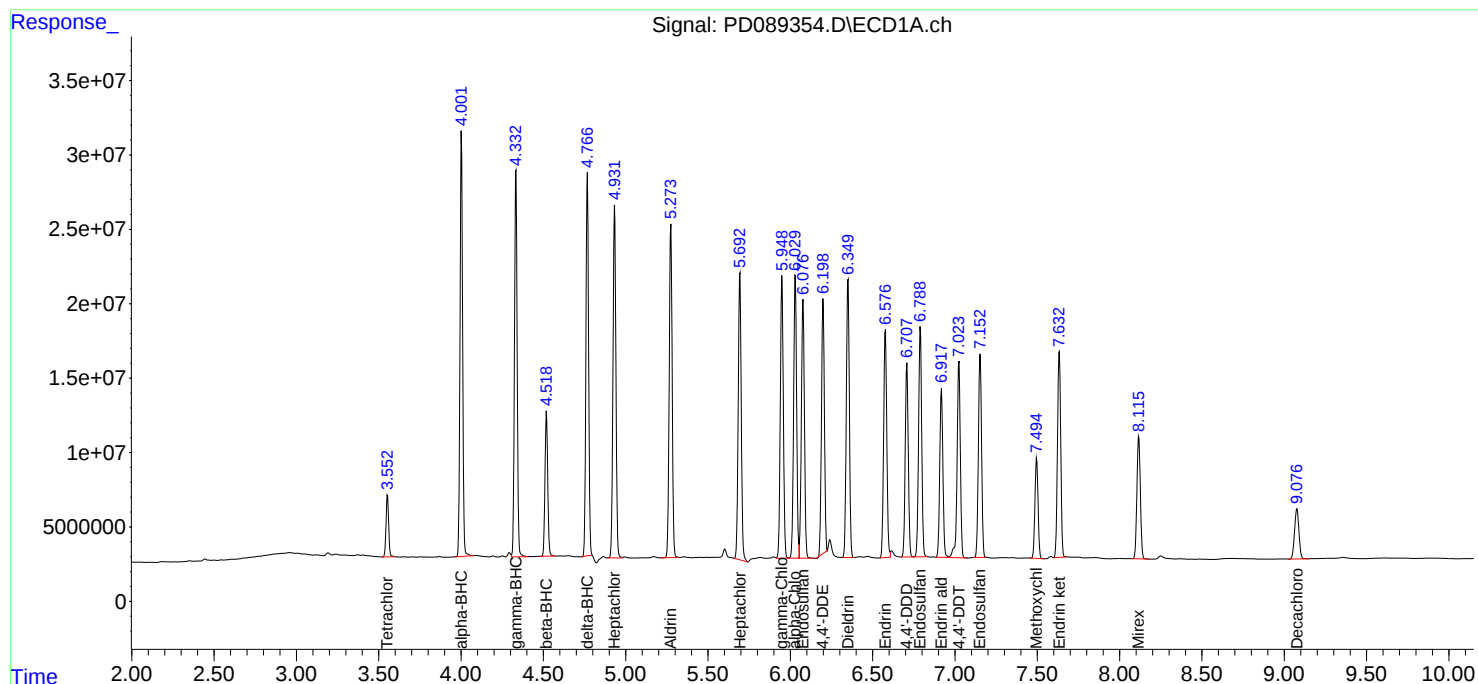
APPROVED

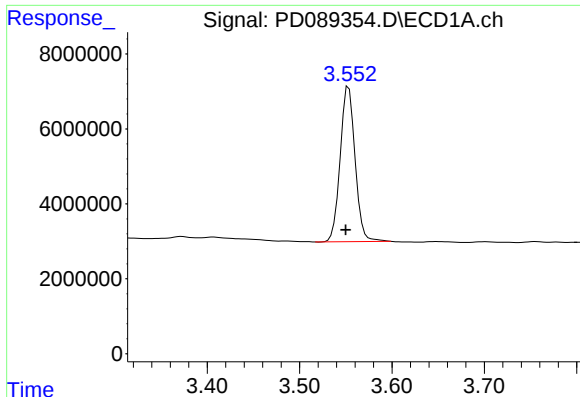
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:25:11 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





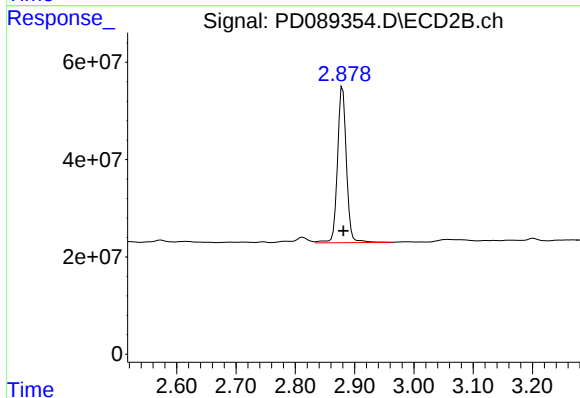
#1 Tetrachloro-m-xylene

R.T.: 3.553 min
Delta R.T.: 0.003 min
Response: 46402467
Conc: 16.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

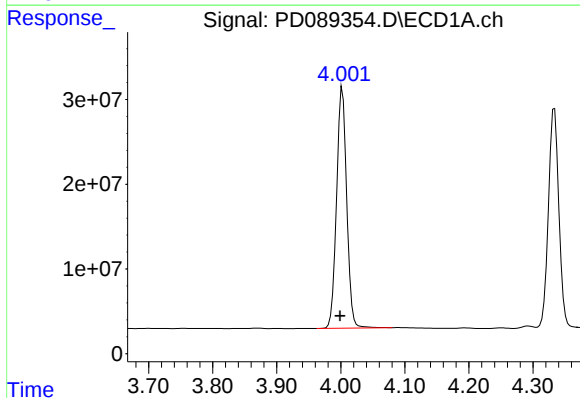
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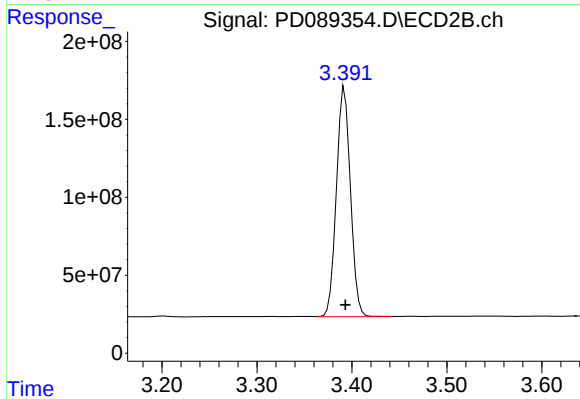
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 336116318
Conc: 19.83 ng/ml



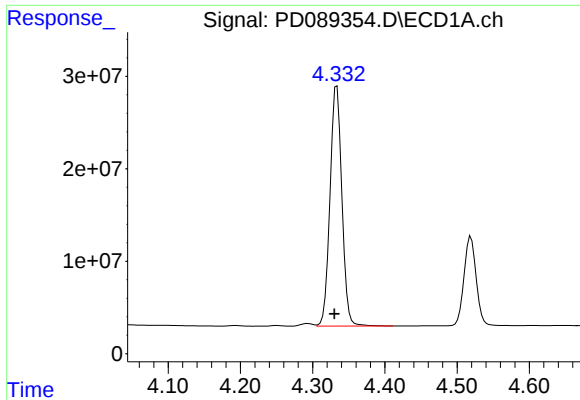
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 312541426
Conc: 53.62 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1516538280
Conc: 56.59 ng/ml



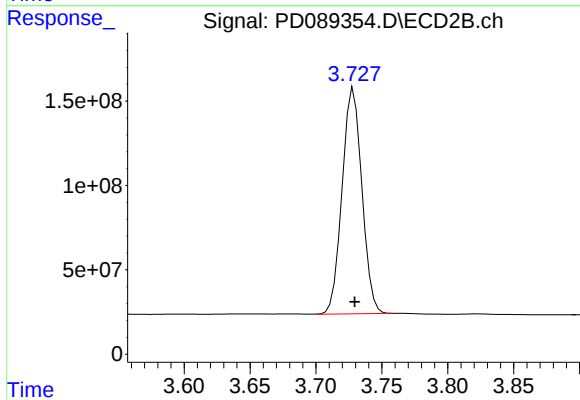
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 297551651
Conc: 53.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

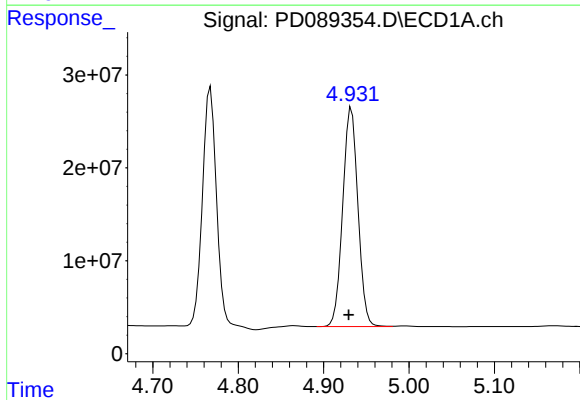
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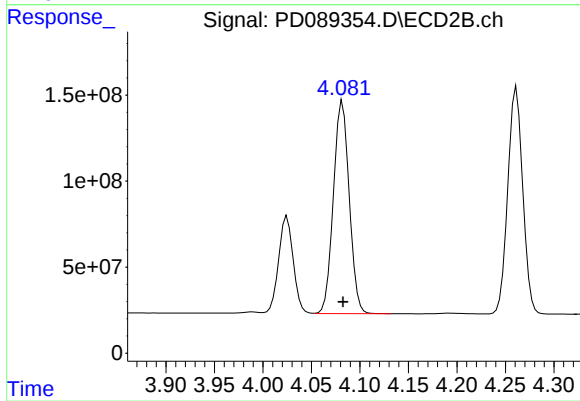
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.002 min
Response: 1396433169
Conc: 56.41 ng/ml m



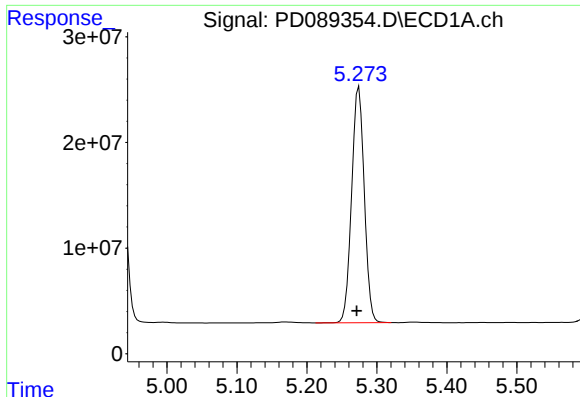
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.003 min
Response: 292499183
Conc: 53.65 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1399529170
Conc: 55.90 ng/ml



#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.003 min
Response: 280597934
Conc: 52.81 ng/ml

Instrument :

ECD_D

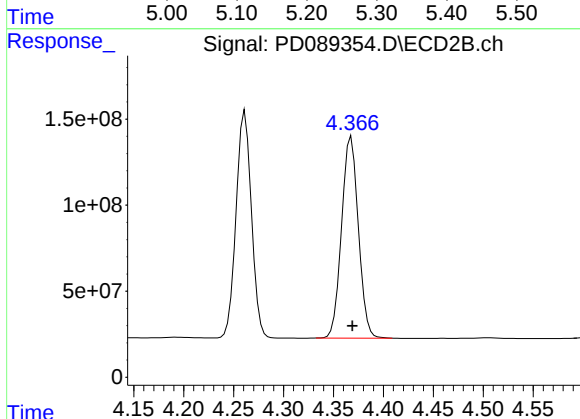
ClientSampleId :

PB168736BS

Manual Integrations

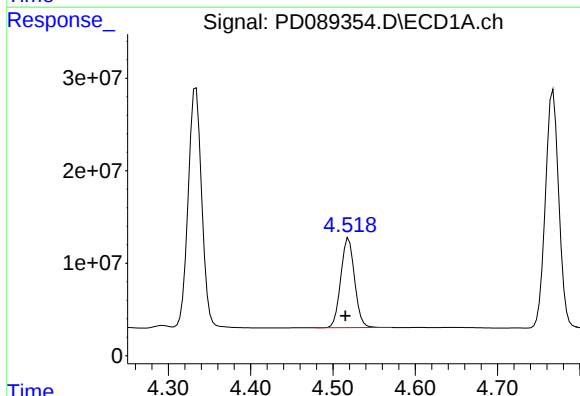
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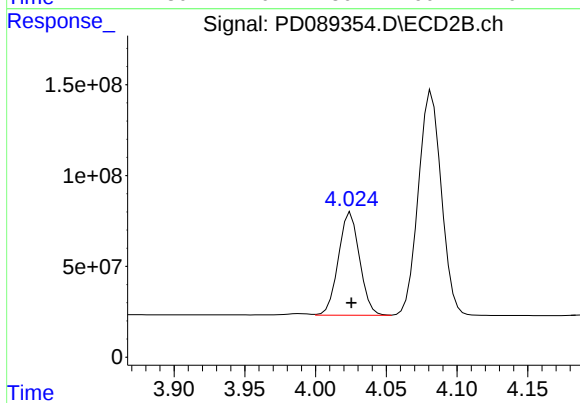
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.001 min
Response: 1370157888
Conc: 56.58 ng/ml



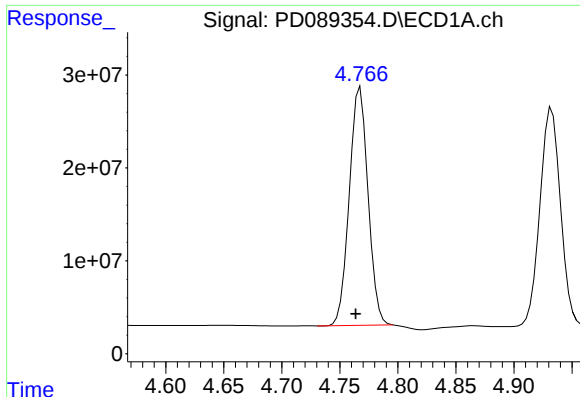
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.004 min
Response: 112933948
Conc: 51.17 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 591595781
Conc: 55.05 ng/ml



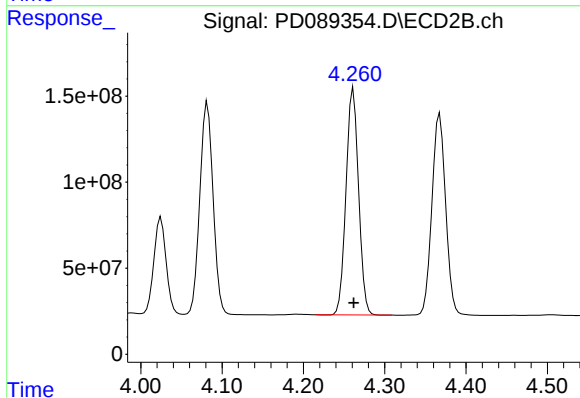
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.004 min
Response: 288226811
Conc: 56.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

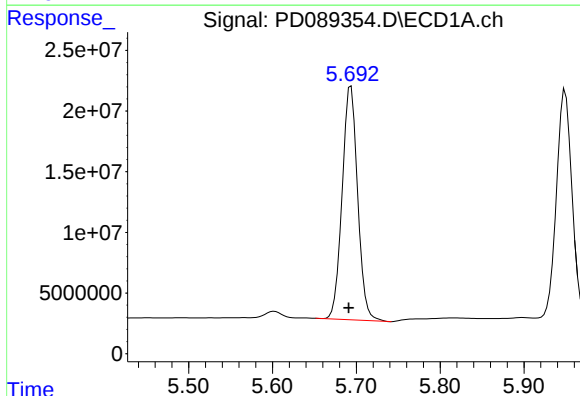
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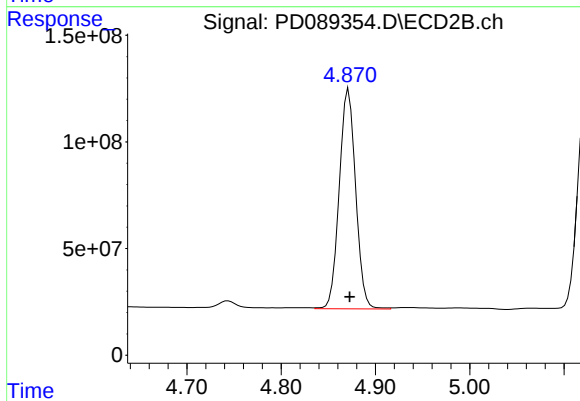
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1410263564
Conc: 56.70 ng/ml



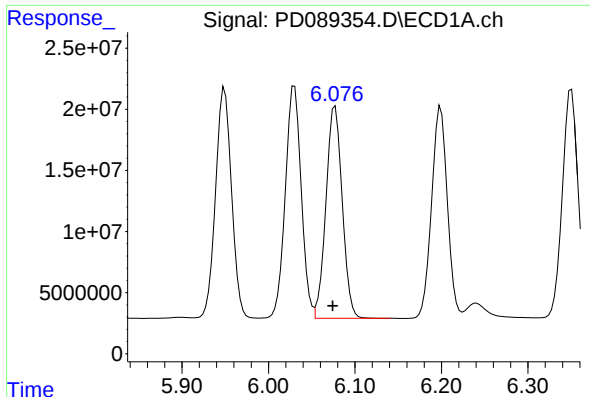
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.003 min
Response: 247973186
Conc: 51.40 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.001 min
Response: 1247221922
Conc: 56.96 ng/ml



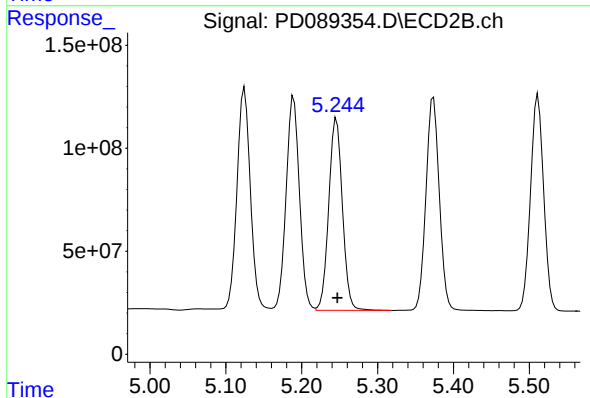
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.003 min
Response: 226985189
Conc: 50.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

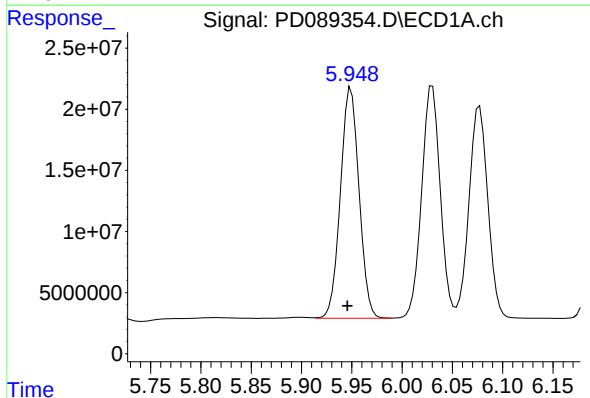
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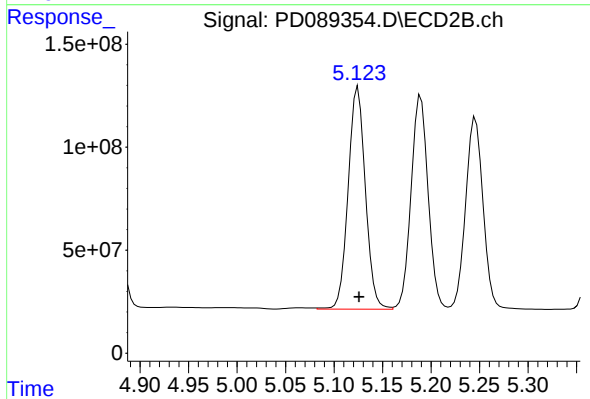
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.001 min
Response: 1167435742
Conc: 56.01 ng/ml



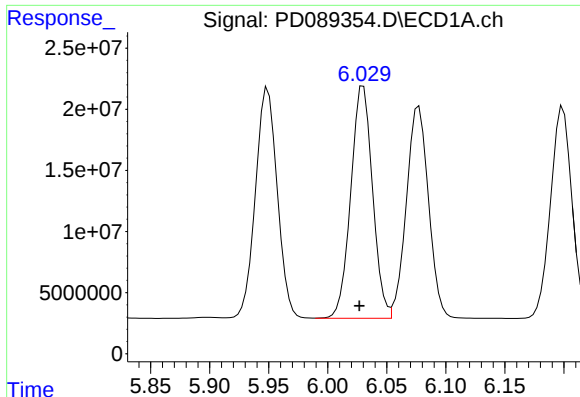
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.004 min
Response: 242786474
Conc: 50.71 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.001 min
Response: 1333431968
Conc: 55.74 ng/ml



#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.003 min
Response: 243994936
Conc: 50.43 ng/ml

Instrument :

ECD_D

ClientSampleId :

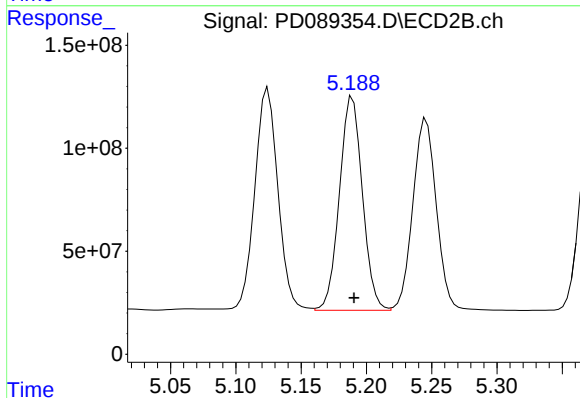
PB168736BS

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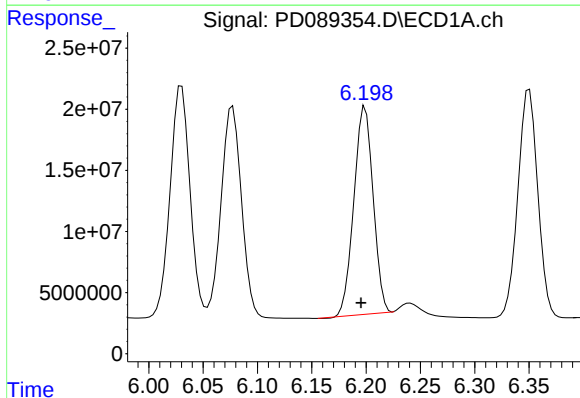
Reviewed By :Abdul Mirza 07/08/2025

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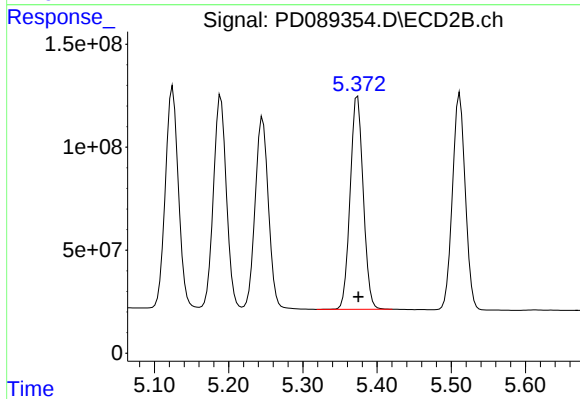
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.001 min
Response: 1270049953
Conc: 55.47 ng/ml



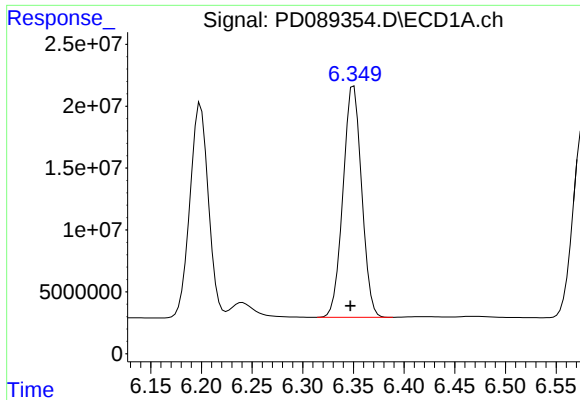
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.004 min
Response: 209200512
Conc: 47.97 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 1260627286
Conc: 55.01 ng/ml



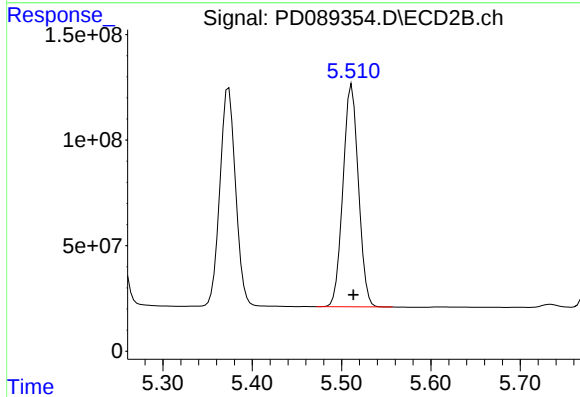
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.003 min
Response: 238763470
Conc: 49.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
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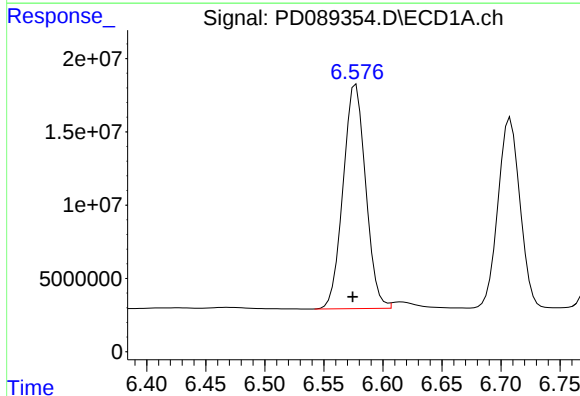
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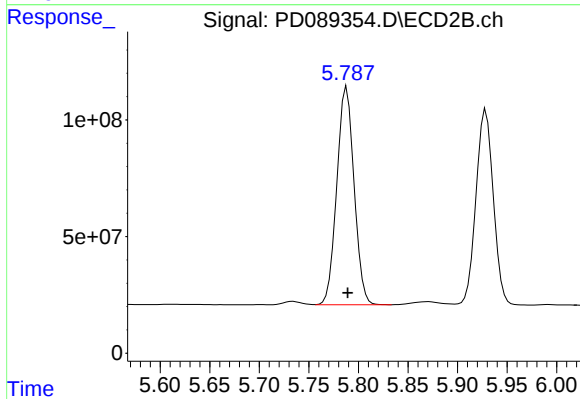
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.002 min
Response: 1263482683
Conc: 54.44 ng/ml



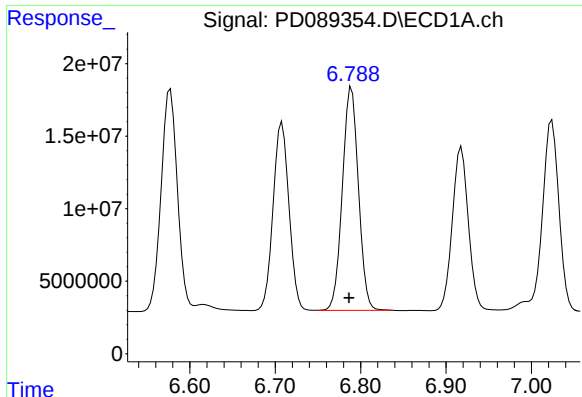
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.003 min
Response: 203181474
Conc: 49.25 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1131667797
Conc: 52.12 ng/ml



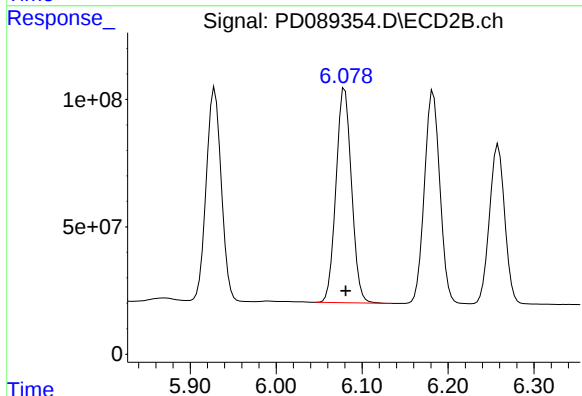
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.003 min
Response: 201148804
Conc: 49.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

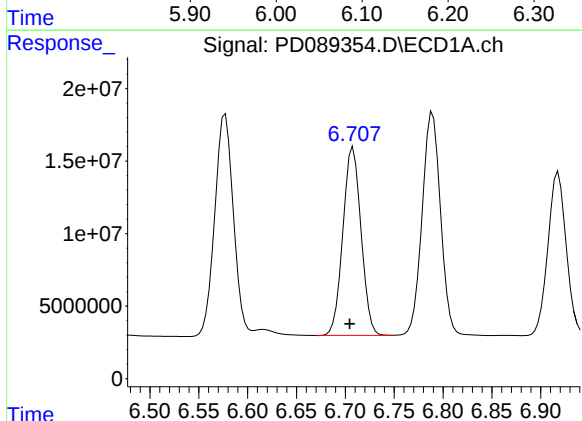
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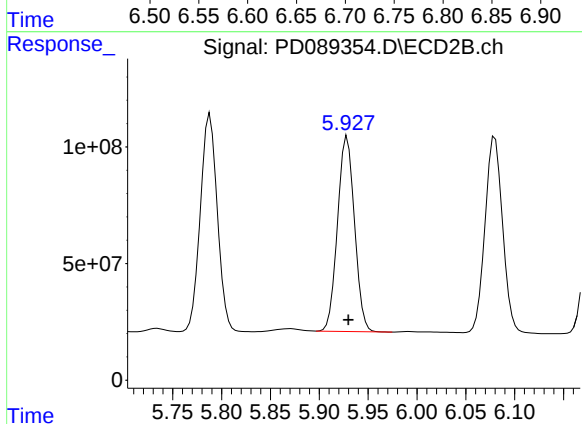
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 1054497212
Conc: 52.21 ng/ml



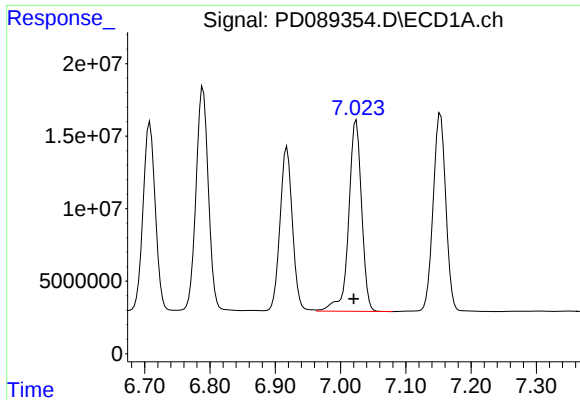
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.003 min
Response: 167746514
Conc: 48.88 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 1012943952
Conc: 52.95 ng/ml



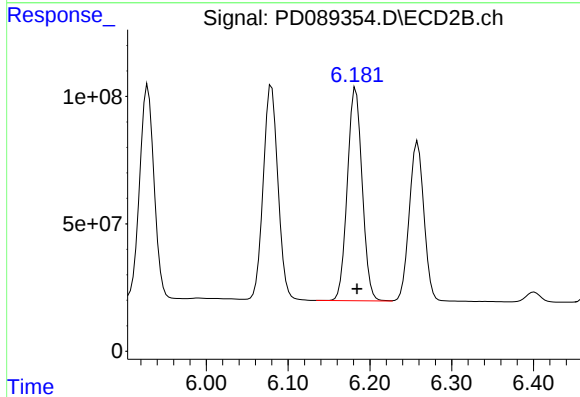
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.004 min
Response: 181723866
Conc: 47.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

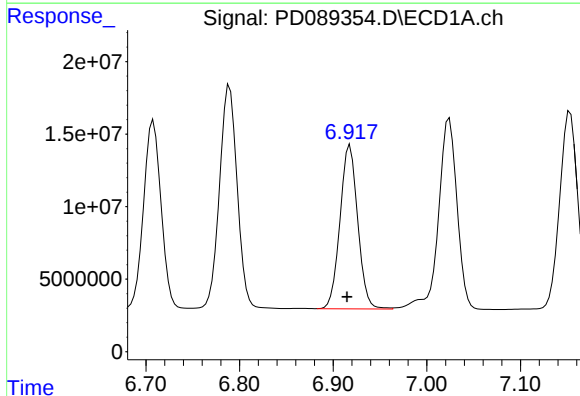
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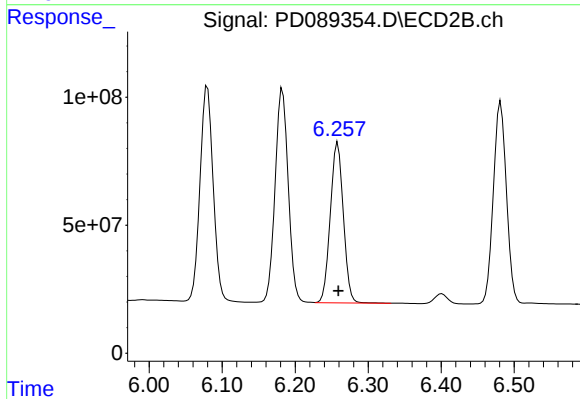
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 1046163231
Conc: 51.59 ng/ml



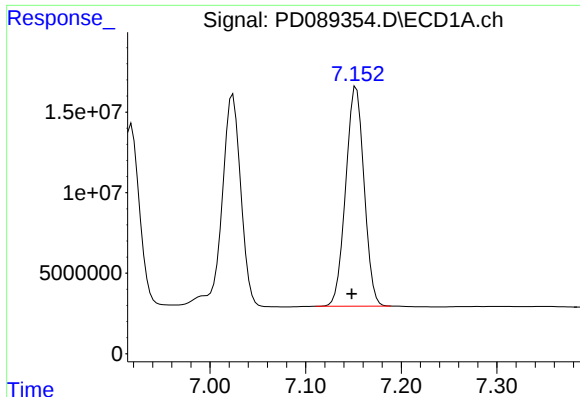
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.003 min
Response: 148463228
Conc: 48.45 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 778706651
Conc: 50.86 ng/ml



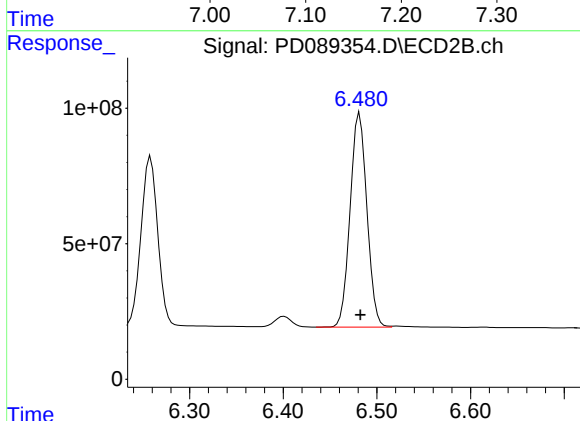
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.005 min
Response: 182515896
Conc: 47.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

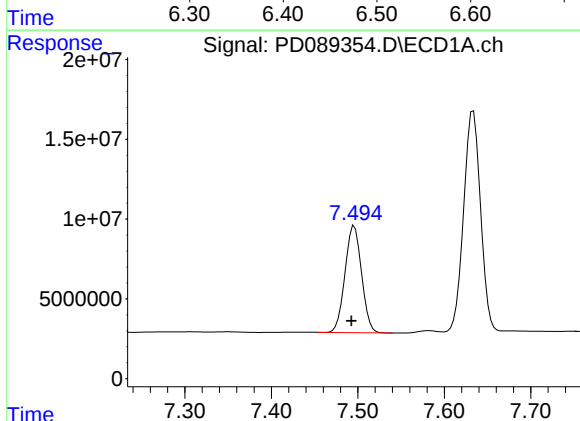
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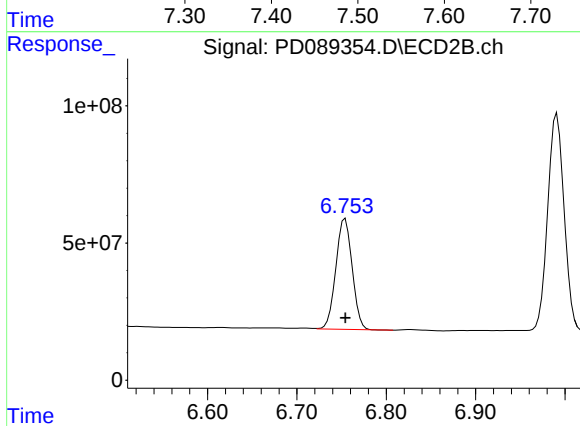
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 985498013
Conc: 50.23 ng/ml



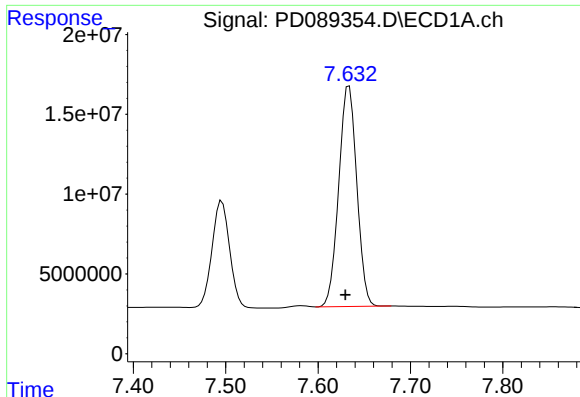
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.003 min
Response: 88643045
Conc: 43.87 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 512942565
Conc: 47.64 ng/ml



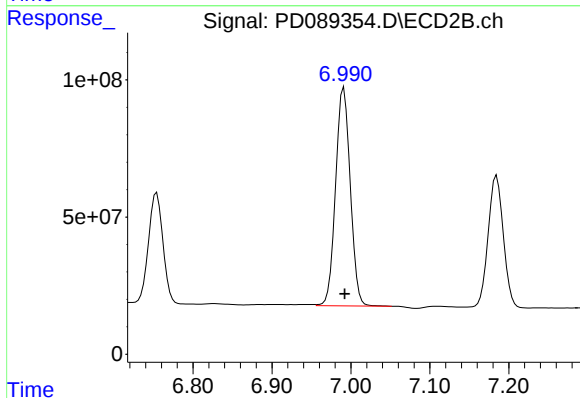
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.004 min
Response: 187921078
Conc: 46.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168736BS

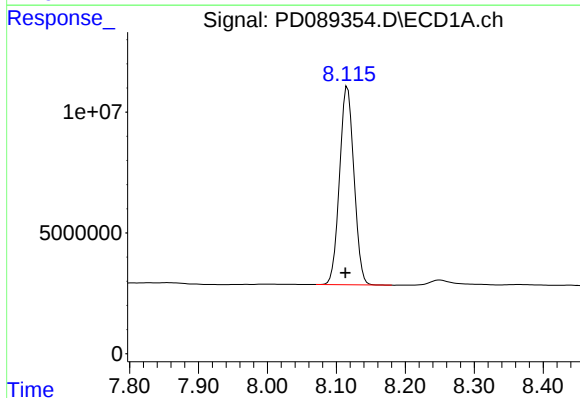
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



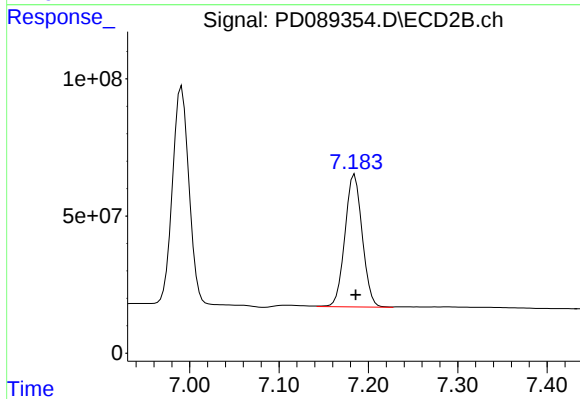
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 1026037680
Conc: 47.50 ng/ml



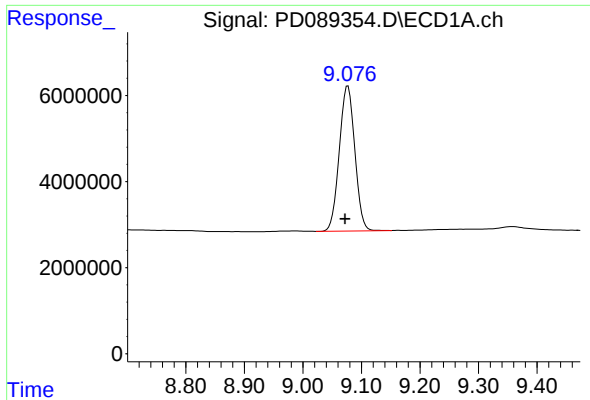
#22 Mirex

R.T.: 8.116 min
Delta R.T.: 0.003 min
Response: 119479976
Conc: 39.30 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 650359258
Conc: 38.99 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.005 min
Response: 62044738
Conc: 15.80 ng/ml

Instrument :

ECD_D

ClientSampleId :

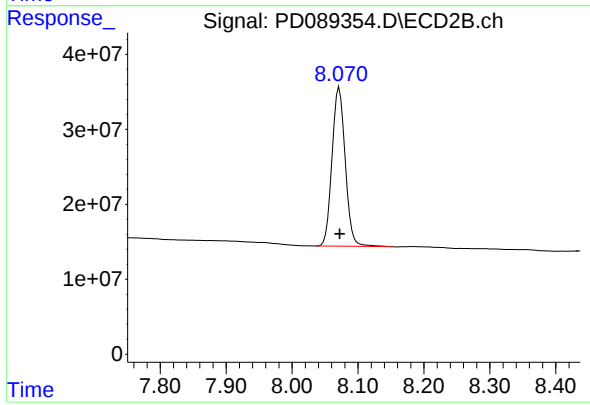
PB168736BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 294500052
Conc: 14.90 ng/ml