

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090325\
 Data File : PD090133.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 02:57
 Operator : AR\AJ
 Sample : PB169533BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169533BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/04/2025
 Supervised By : mohammad ahmed 09/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 04 05:31:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.547	2.877	57398289	464.9E6	19.558m	21.084
28)	SA Decachlor...	9.070	8.065	85482792	530.4E6	19.806	20.491
Target Compounds							
2)	A alpha-BHC	3.998	3.389	340.3E6	1942.9E6	56.688	57.247
3)	MA gamma-BHC...	4.329	3.726	325.7E6	1816.6E6	56.870	58.280
4)	MA Heptachlor	4.927	4.078	317.8E6	1774.5E6	56.652	56.890
5)	MB Aldrin	5.269	4.364	317.8E6	1811.7E6	58.697	59.486
6)	B beta-BHC	4.515	4.021	124.4E6	774.8E6	55.463	58.125
7)	B delta-BHC	4.763	4.258	239.5E6	1418.3E6	46.246	44.956
8)	B Heptachlo...	5.689	4.867	283.9E6	1639.8E6	57.865	59.208
9)	A Endosulfan I	6.073	5.241	268.0E6	1489.4E6	58.072	56.801
10)	B gamma-Chl...	5.945	5.120	288.0E6	1774.6E6	58.889	59.930
11)	B alpha-Chl...	6.025	5.185	285.1E6	1692.4E6	57.910	59.303
12)	B 4,4'-DDE	6.194	5.369	255.2E6	1731.8E6	58.154	60.085
13)	MA Dieldrin	6.345	5.507	287.9E6	1755.0E6	58.812	59.923
14)	MA Endrin	6.573	5.784	231.1E6	1667.4E6	55.773	62.609
15)	B Endosulfa...	6.785	6.075	245.9E6	1500.4E6	58.281	59.315
16)	A 4,4'-DDD	6.704	5.924	214.9E6	1487.8E6	62.133	61.881
17)	MA 4,4'-DDT	7.019	6.178	199.9E6	1382.0E6	52.470	55.125
18)	B Endrin al...	6.914	6.253	177.2E6	1121.8E6	61.796	65.147
19)	B Endosulfa...	7.148	6.477	211.5E6	1368.1E6	53.972	56.116
20)	A Methoxychlor	7.492	6.748	99242983	686.6E6	49.482	53.241
21)	B Endrin ke...	7.629	6.986	240.4E6	1587.1E6	58.015	59.566
22)	Mirex	8.112	7.179	167.8E6	1167.0E6	53.185	56.499

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

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Data File : PD090133.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 02:57
Operator : AR\AJ
Sample : PB169533BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

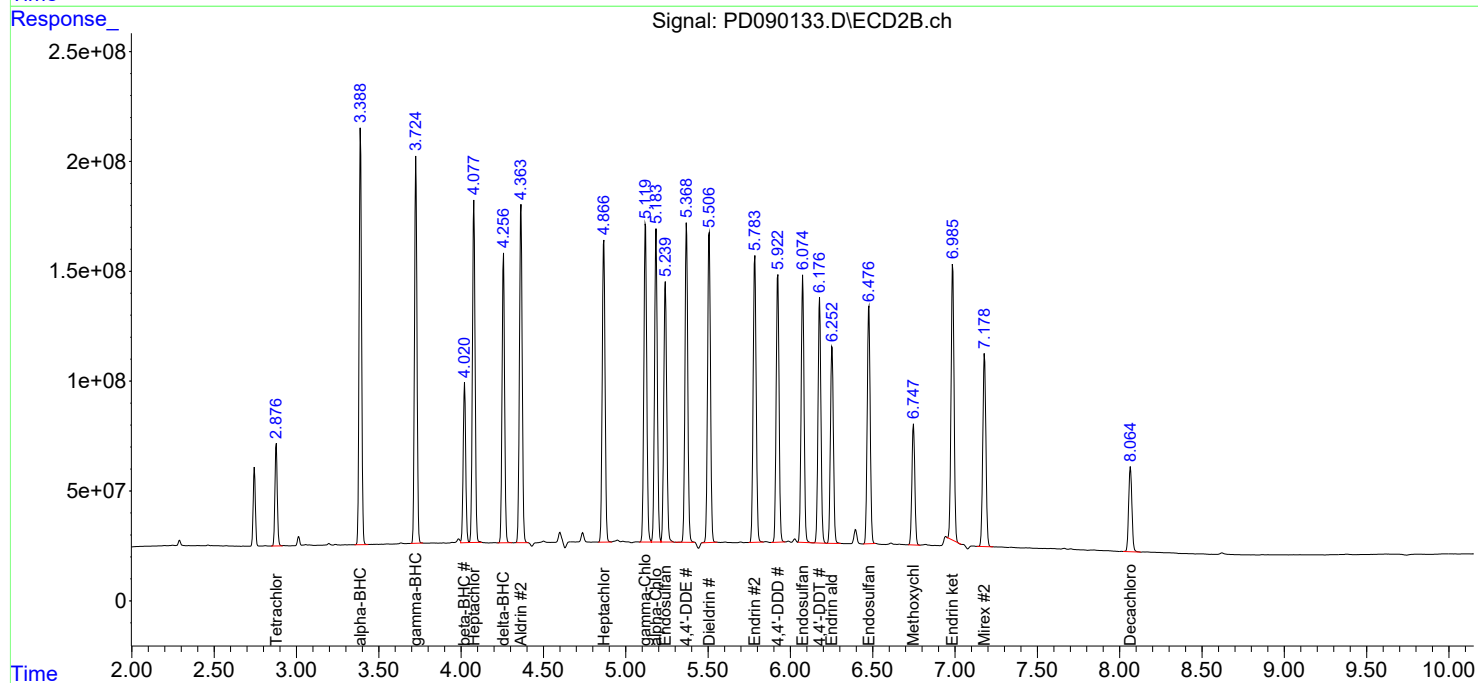
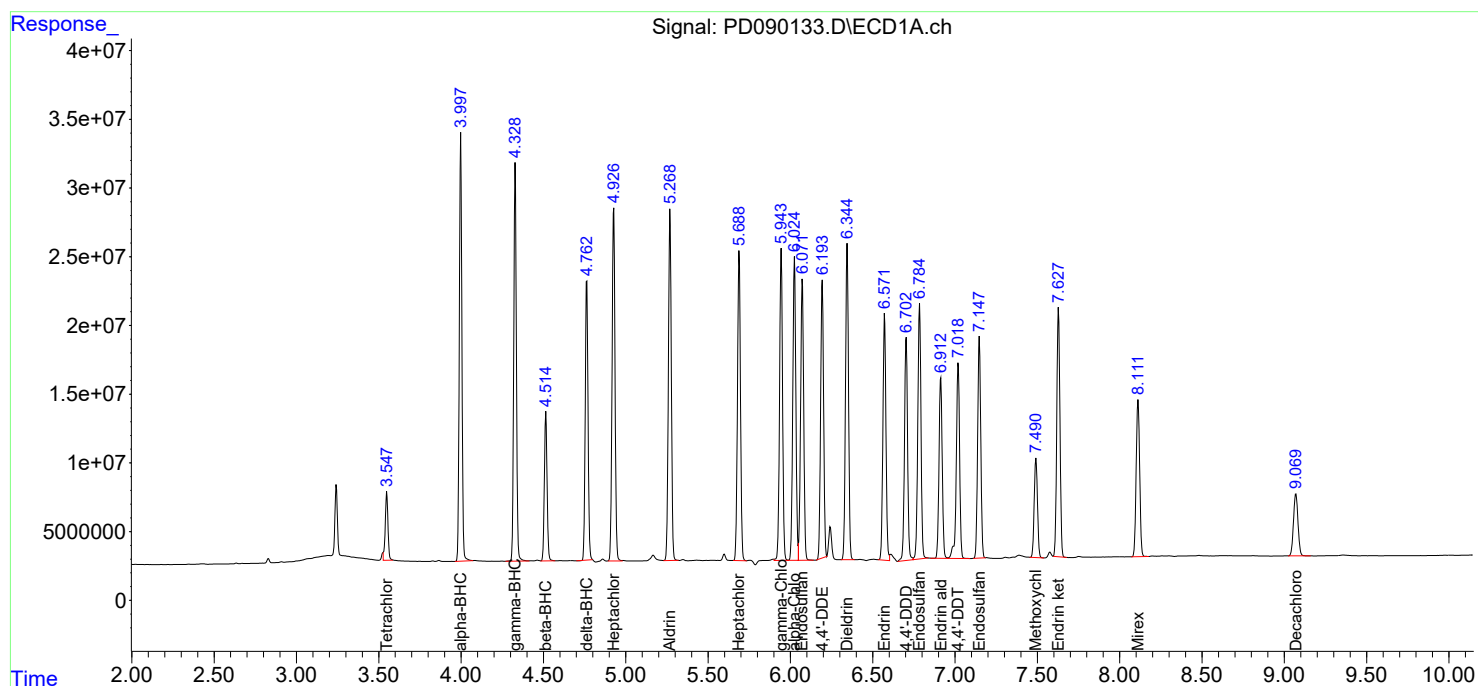
Instrument :
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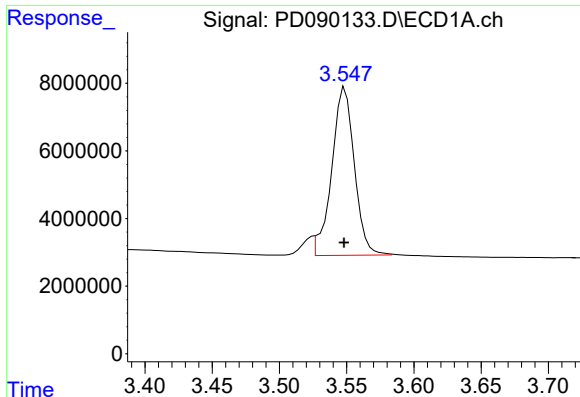
Manual Integrations
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Supervised By :mohammad ahmed 09/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 04 05:31:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





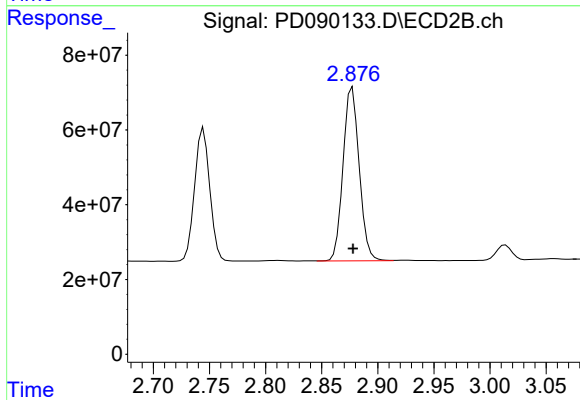
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 57398289
Conc: 19.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

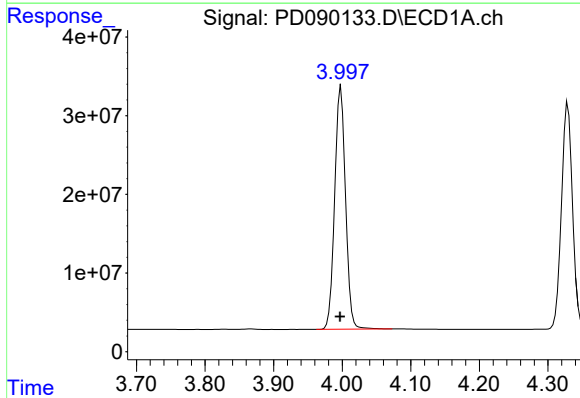
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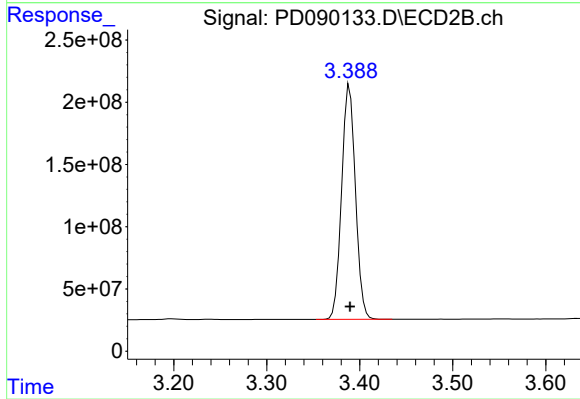
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 464906109
Conc: 21.08 ng/ml



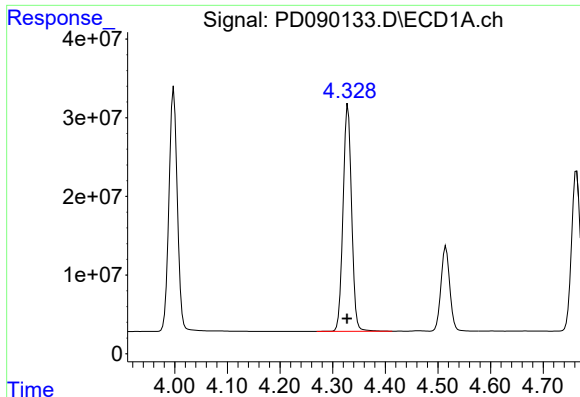
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 340257202
Conc: 56.69 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1942906385
Conc: 57.25 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 325683799
Conc: 56.87 ng/ml

Instrument :

ECD_D

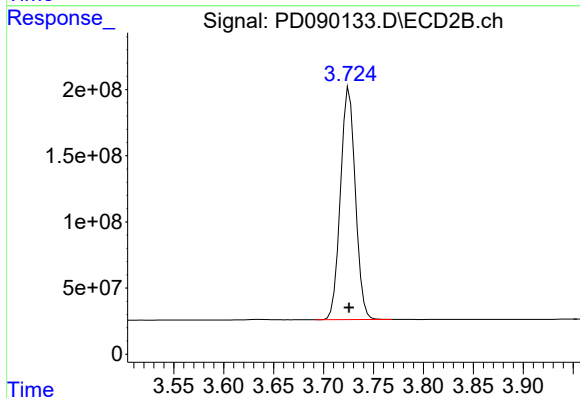
ClientSampleId :

PB169533BS

Manual Integrations

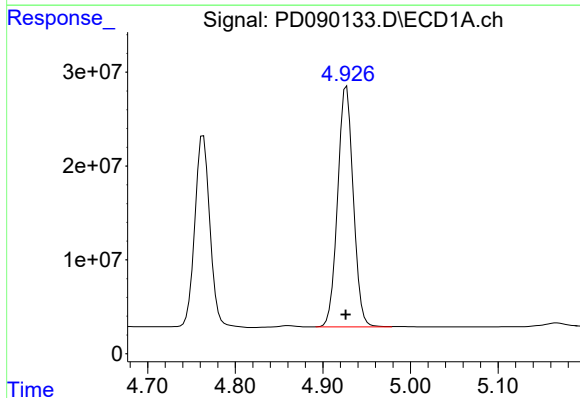
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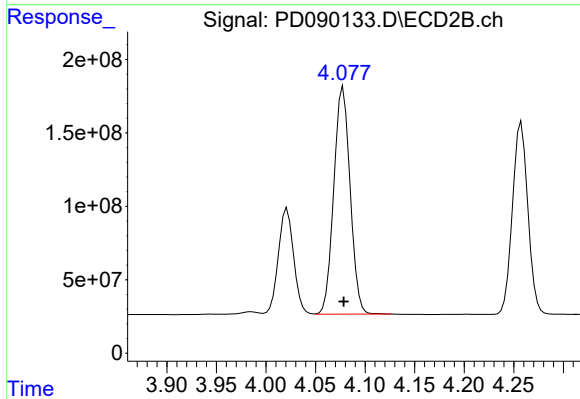
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1816640323
Conc: 58.28 ng/ml



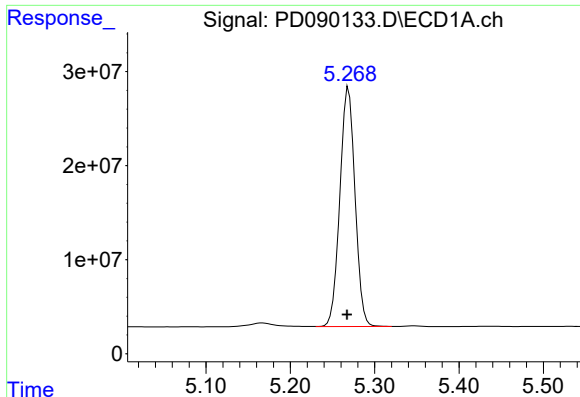
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 317772338
Conc: 56.65 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1774488426
Conc: 56.89 ng/ml



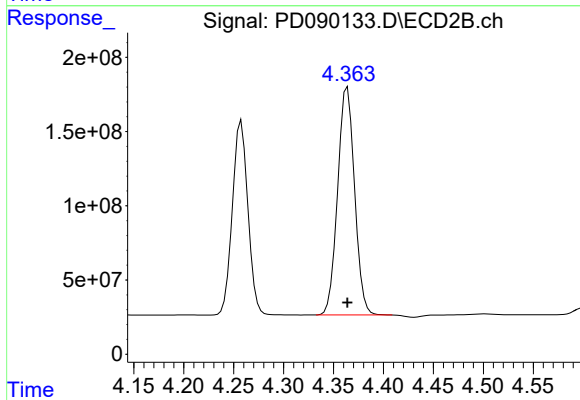
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 317816966
Conc: 58.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

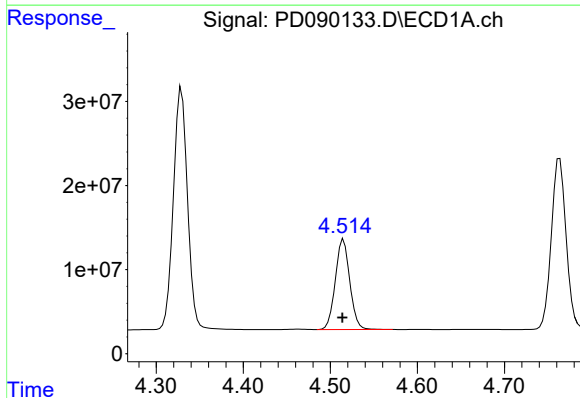
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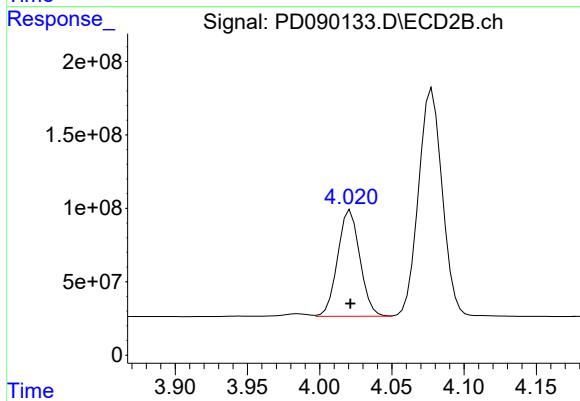
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1811687490
Conc: 59.49 ng/ml



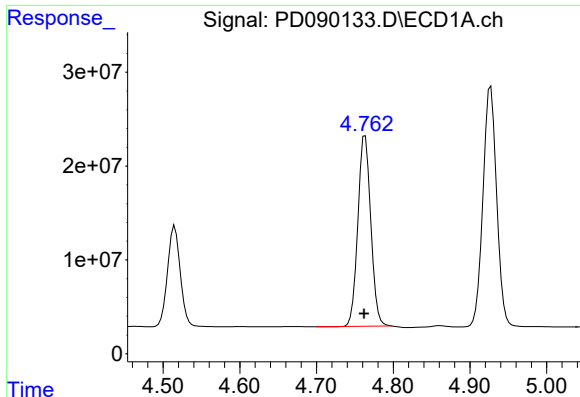
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 124404899
Conc: 55.46 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 774810446
Conc: 58.12 ng/ml



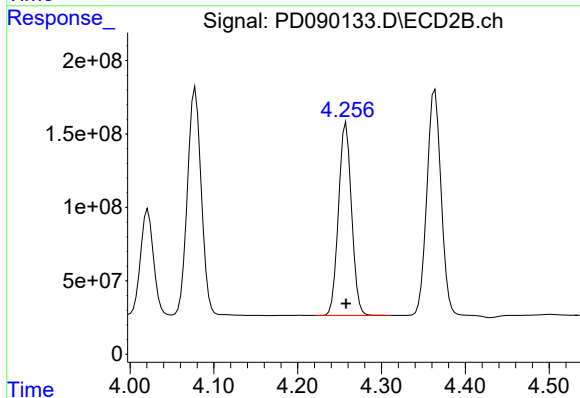
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.002 min
Response: 239450476
Conc: 46.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

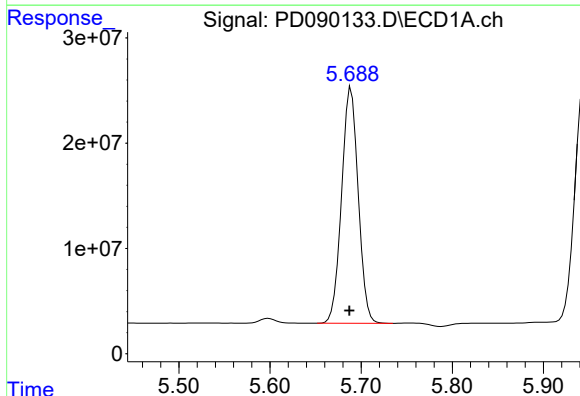
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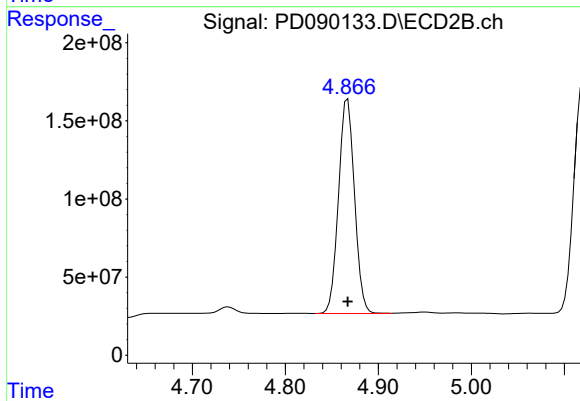
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1418349716
Conc: 44.96 ng/ml



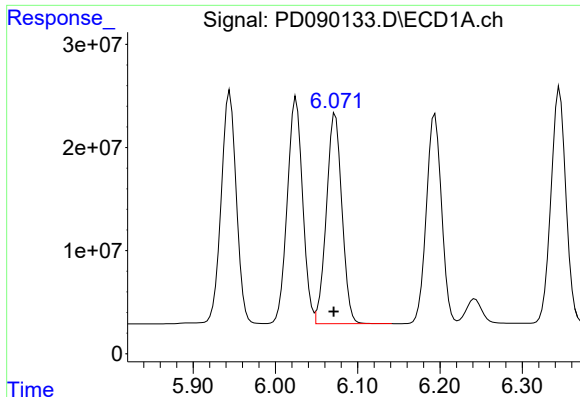
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 283933192
Conc: 57.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1639755368
Conc: 59.21 ng/ml



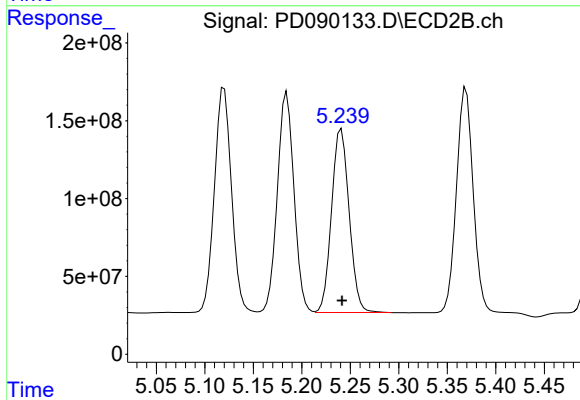
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 267993550
Conc: 58.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

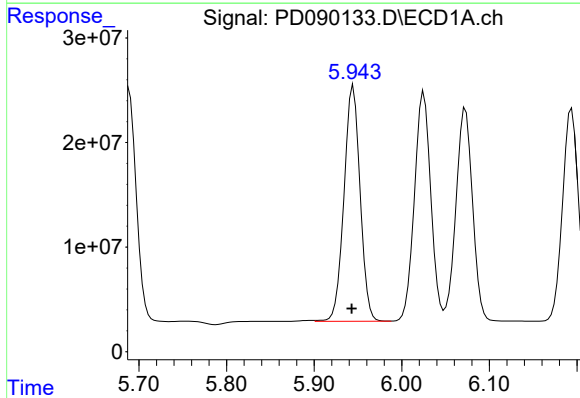
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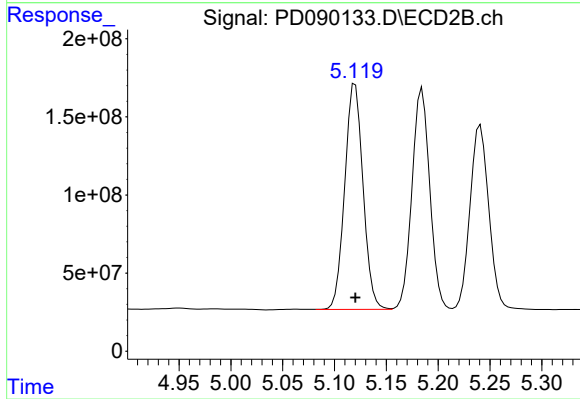
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1489428787
Conc: 56.80 ng/ml



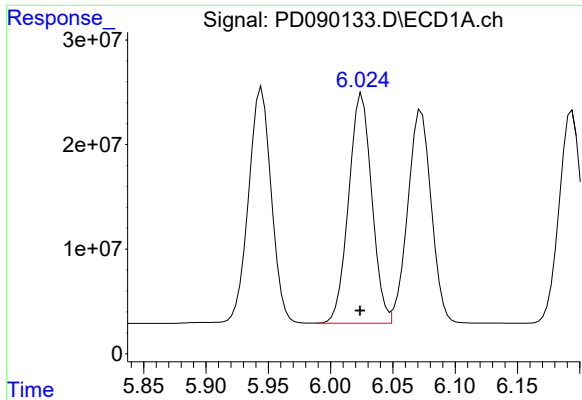
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 288024790
Conc: 58.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1774590394
Conc: 59.93 ng/ml



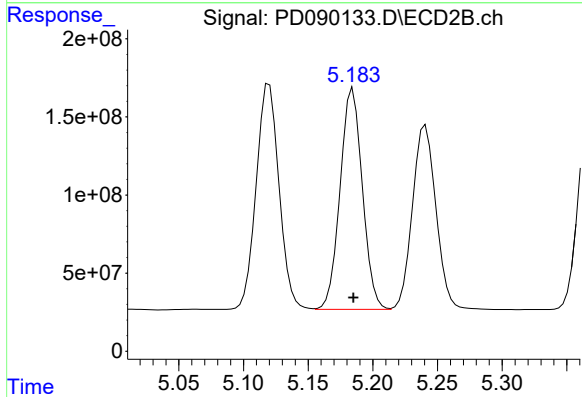
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.002 min
Response: 285055702
Conc: 57.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

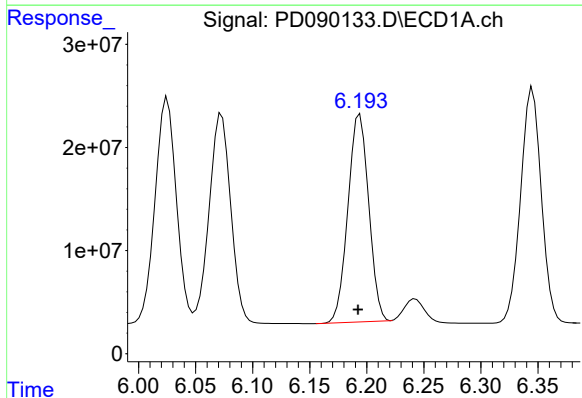
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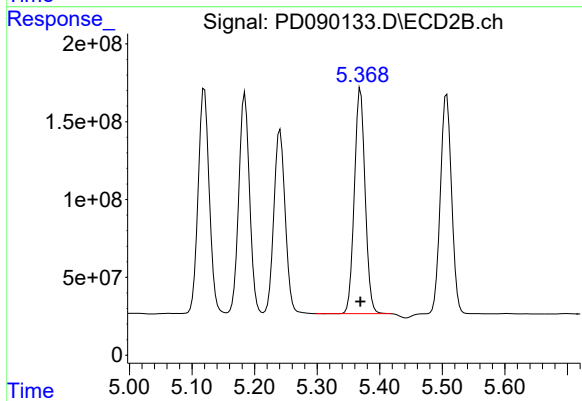
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1692383672
Conc: 59.30 ng/ml



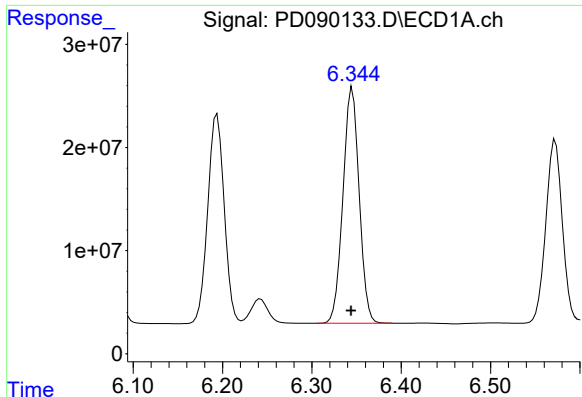
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 255198582
Conc: 58.15 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1731807049
Conc: 60.08 ng/ml



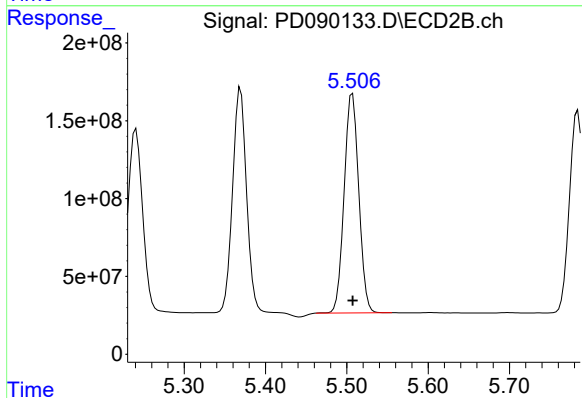
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 287927398
Conc: 58.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

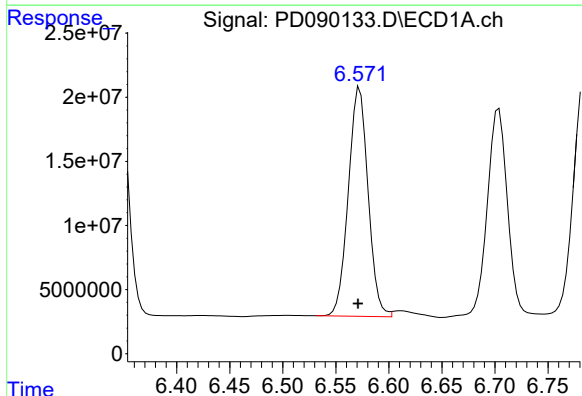
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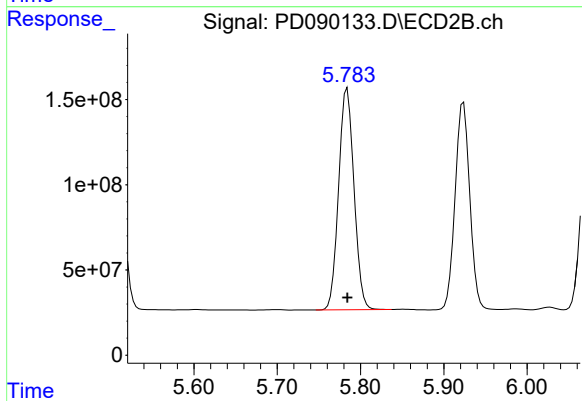
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1754973265
Conc: 59.92 ng/ml



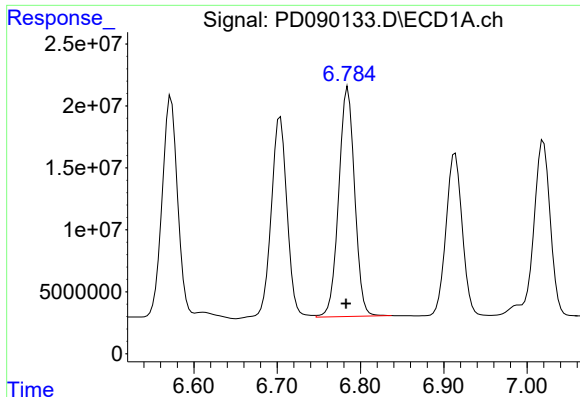
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 231099002
Conc: 55.77 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1667422482
Conc: 62.61 ng/ml



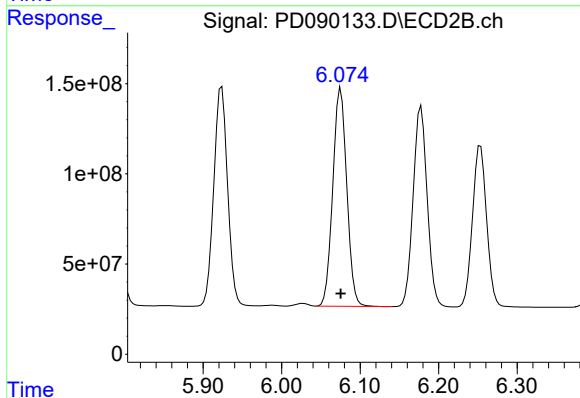
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 245930958
Conc: 58.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

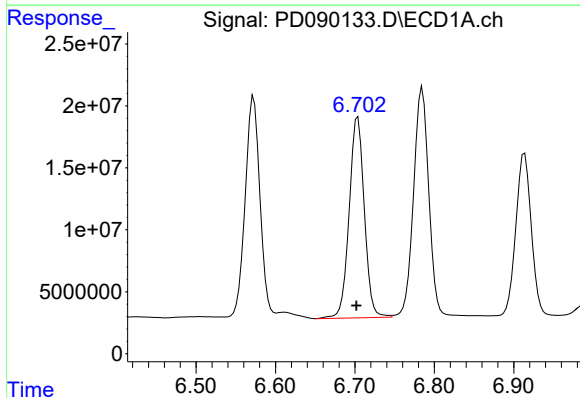
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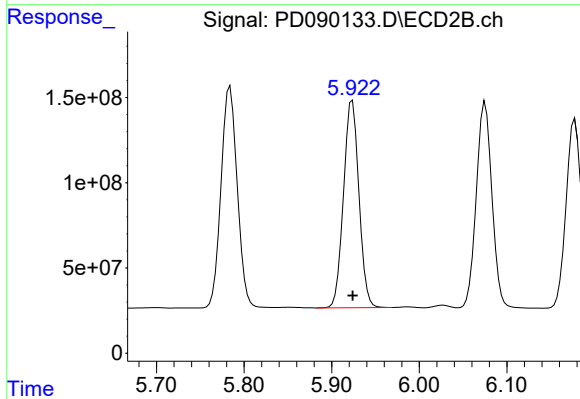
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1500355062
Conc: 59.32 ng/ml



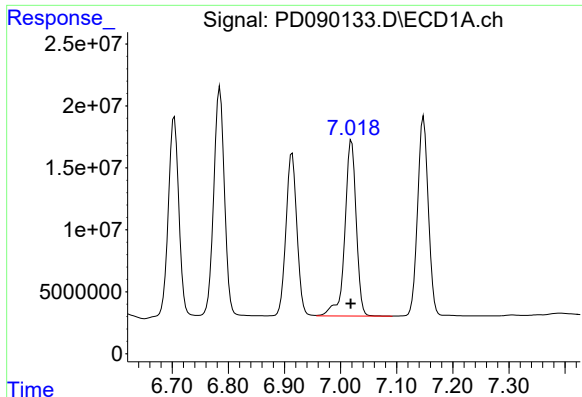
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 214924873
Conc: 62.13 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1487842815
Conc: 61.88 ng/ml



#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.002 min
Response: 199896919
Conc: 52.47 ng/ml

Instrument :

ECD_D

ClientSampleId :

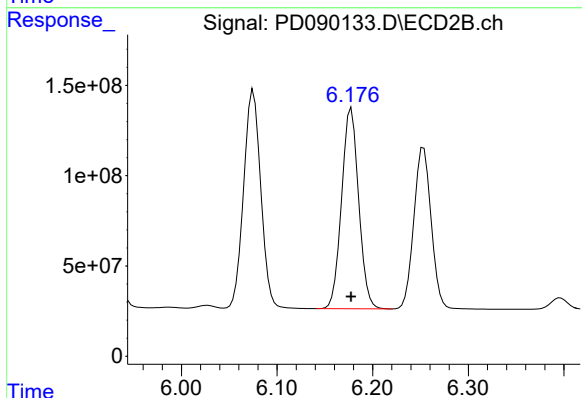
PB169533BS

Manual Integrations

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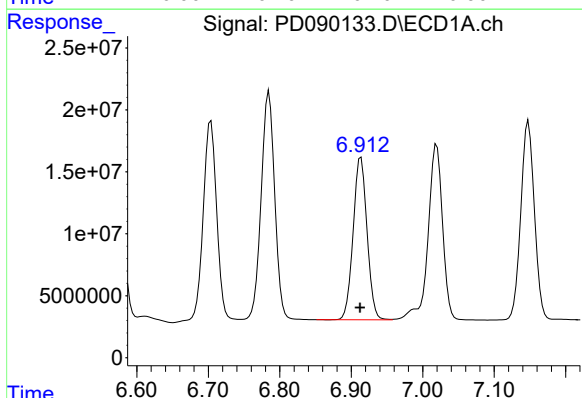
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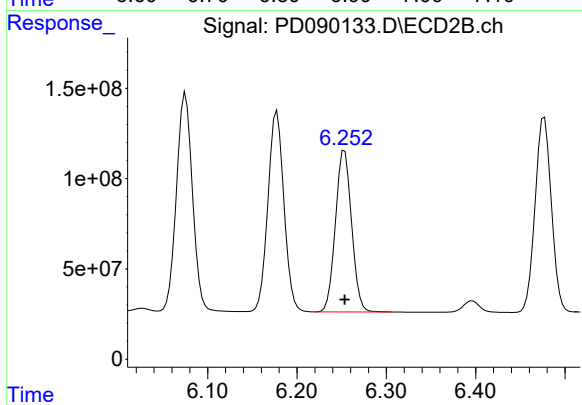
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1381959906
Conc: 55.12 ng/ml



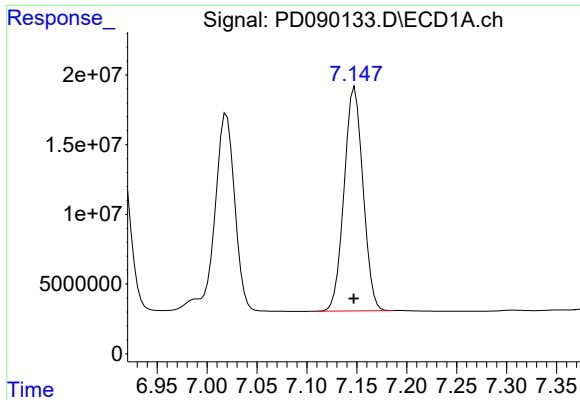
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 177179327
Conc: 61.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 1121822483
Conc: 65.15 ng/ml



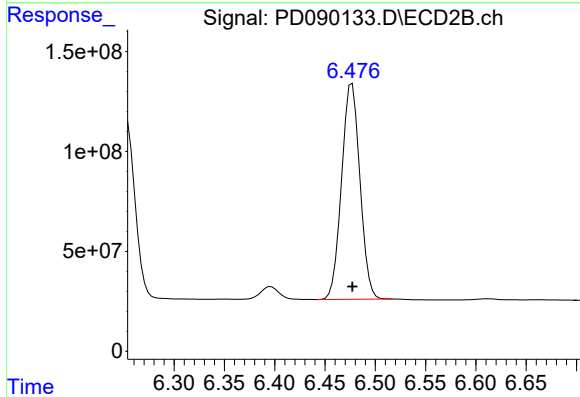
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.001 min
Response: 211489108
Conc: 53.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

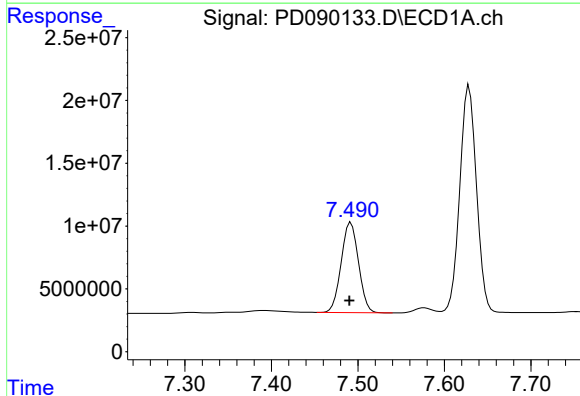
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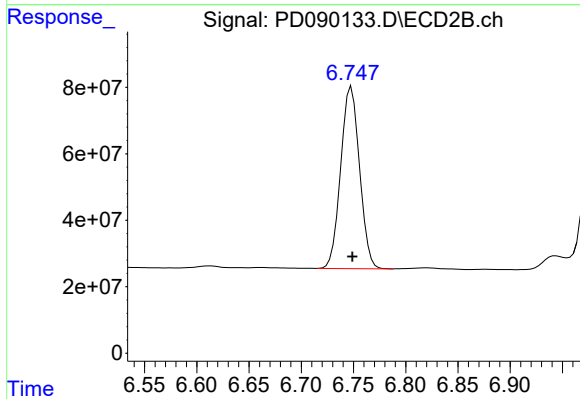
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1368085667
Conc: 56.12 ng/ml



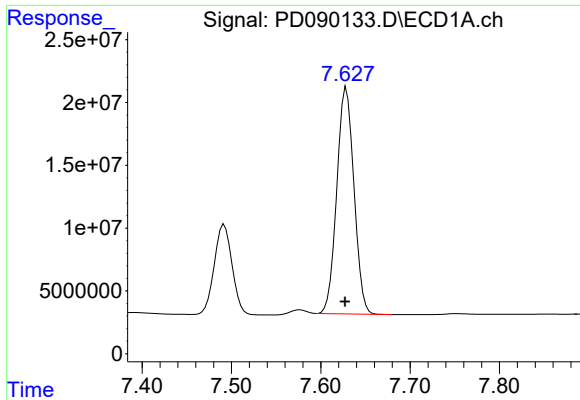
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.002 min
Response: 99242983
Conc: 49.48 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 686580201
Conc: 53.24 ng/ml



#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.001 min
Response: 240443722
Conc: 58.01 ng/ml

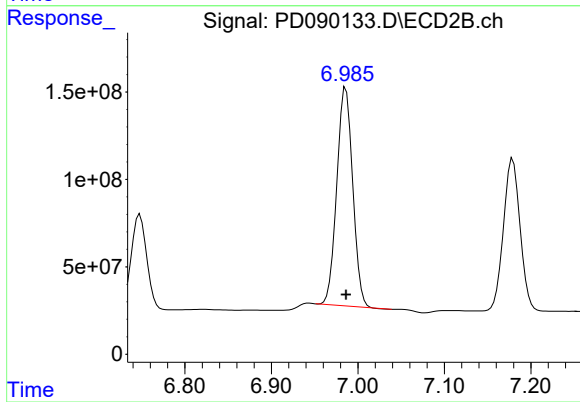
Instrument :

ECD_D

ClientSampleId :
PB169533BS

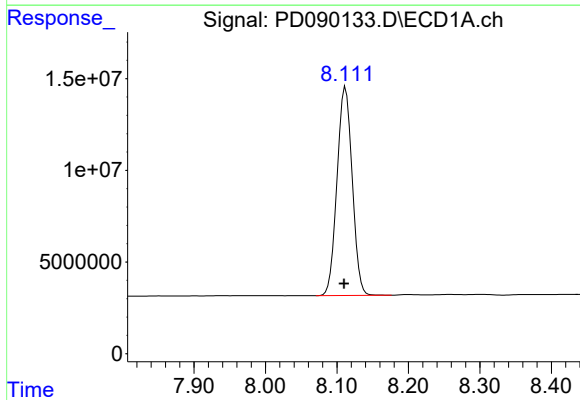
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/04/2025
Supervised By :mohammad ahmed 09/05/2025



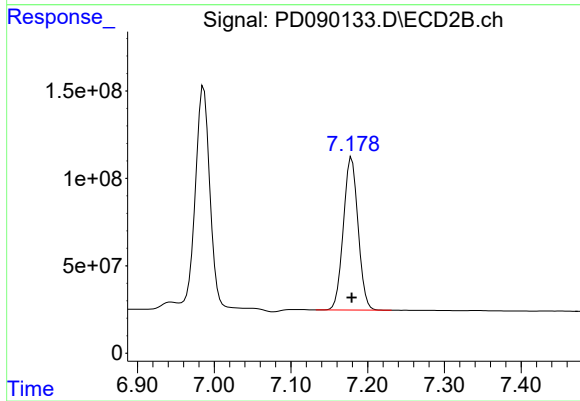
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1587106217
Conc: 59.57 ng/ml



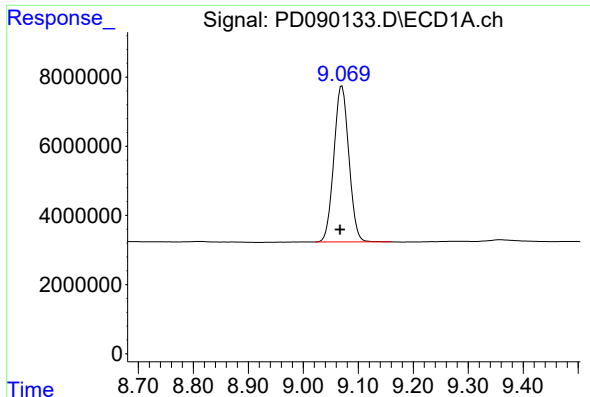
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.002 min
Response: 167769986
Conc: 53.18 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 1167030403
Conc: 56.50 ng/ml



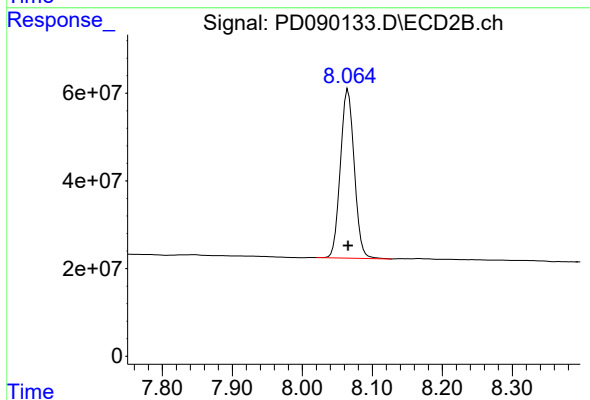
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 85482792
Conc: 19.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169533BS

Manual Integrations
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Reviewed By :Abdul Mirza 09/04/2025
Supervised By :mohammad ahmed 09/05/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 530424841
Conc: 20.49 ng/ml