

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090836.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 13:45
 Operator : AR\AJ
 Sample : PB170257BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170257BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:07:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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	2.873	59576820	569.3E6	19.131	19.117
28)	SA Decachlor...	9.068	8.060	94667099	494.5E6	20.237	16.326
Target Compounds							
2)	A alpha-BHC	3.998	3.385	374.7E6	2464.4E6	52.212	48.232
3)	MA gamma-BHC...	4.329	3.721	355.7E6	2307.2E6	52.323	48.832
4)	MA Heptachlor	4.926	4.073	348.8E6	2248.2E6	62.394m	50.406
5)	MB Aldrin	5.268	4.359	336.1E6	2242.2E6	51.334	48.407
6)	B beta-BHC	4.516	4.017	133.3E6	951.2E6	50.897	47.971
7)	B delta-BHC	4.765	4.253	359.3E6	2320.7E6	53.133	48.636
8)	B Heptachlo...	5.688	4.862	294.3E6	2037.6E6	50.837	47.787
9)	A Endosulfan I	6.072	5.236	277.3E6	1864.6E6	50.080	47.337
10)	B gamma-Chl...	5.944	5.115	294.3E6	2148.6E6	49.622	47.801
11)	B alpha-Chl...	6.025	5.180	302.5E6	2048.4E6	48.951	47.486
12)	B 4,4'-DDE	6.194	5.365	264.5E6	2065.0E6	49.661	47.104
13)	MA Dieldrin	6.344	5.502	294.4E6	2075.1E6	50.490	46.964
14)	MA Endrin	6.571	5.779	234.6E6	1872.1E6	47.354	46.232
15)	B Endosulfa...	6.784	6.070	229.9E6	1706.4E6	45.980	45.437
16)	A 4,4'-DDD	6.703	5.920	201.7E6	1718.4E6	49.759	47.160
17)	MA 4,4'-DDT	7.019	6.173	195.5E6	1602.0E6	47.565	45.676
18)	B Endrin al...	6.913	6.250	175.5E6	1269.5E6	47.915	45.841
19)	B Endosulfa...	7.148	6.473	214.6E6	1579.3E6	46.262	44.058
20)	A Methoxychlor	7.492	6.743	103.6E6	738.7E6	48.738	42.389
21)	B Endrin ke...	7.629	6.981	222.2E6	1564.2E6	45.726	41.472
22)	Mirex	8.110	7.174	139.4E6	1015.8E6	43.547	39.540

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090836.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 13:45
Operator : AR\AJ
Sample : PB170257BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

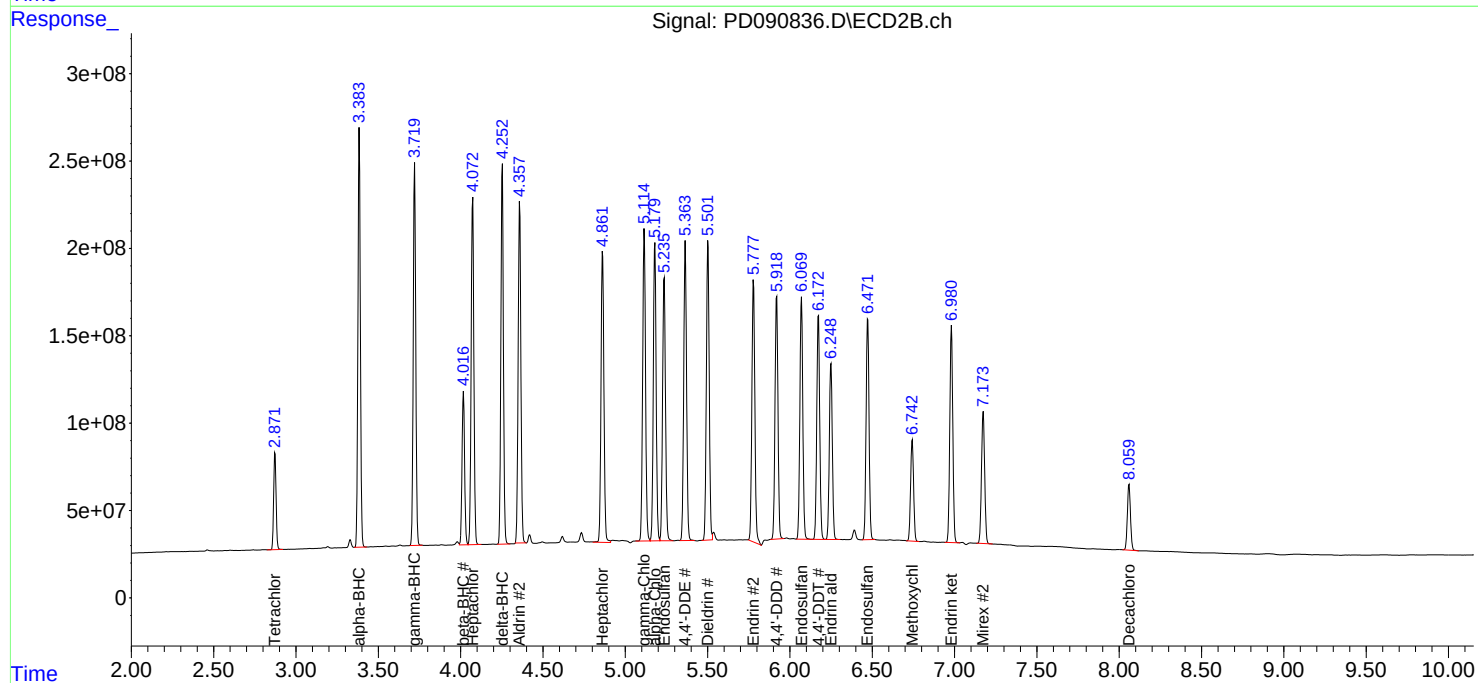
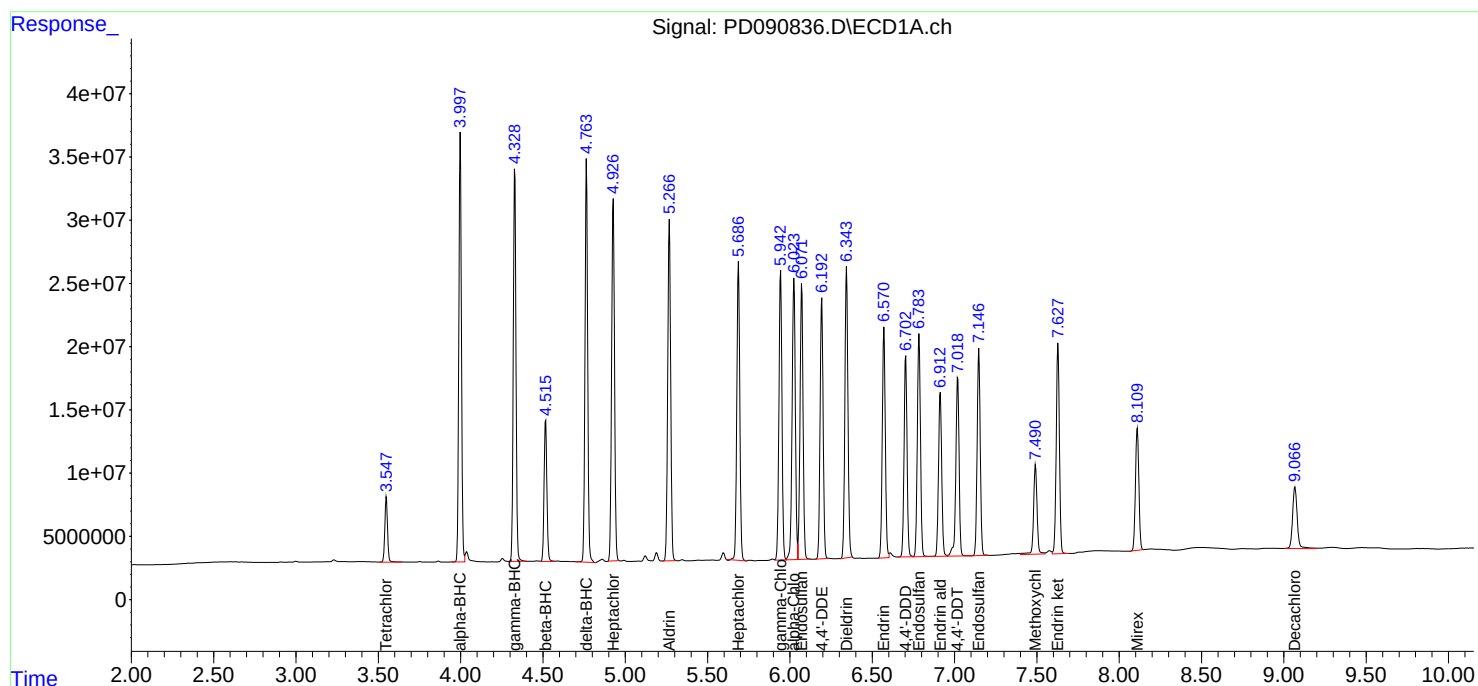
Instrument :
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ClientSampleId :
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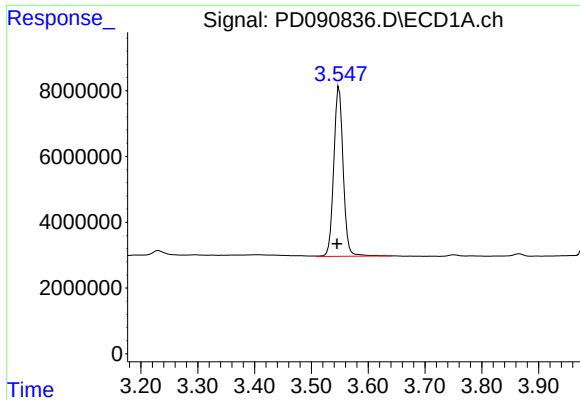
Manual Integrations
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Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:07:50 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response via : Initial Calibration
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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





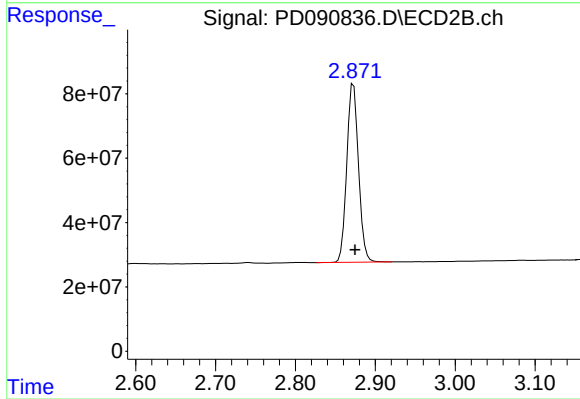
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.004 min
Response: 59576820
Conc: 19.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

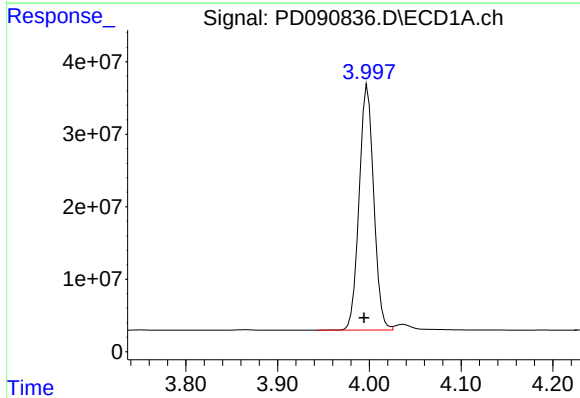
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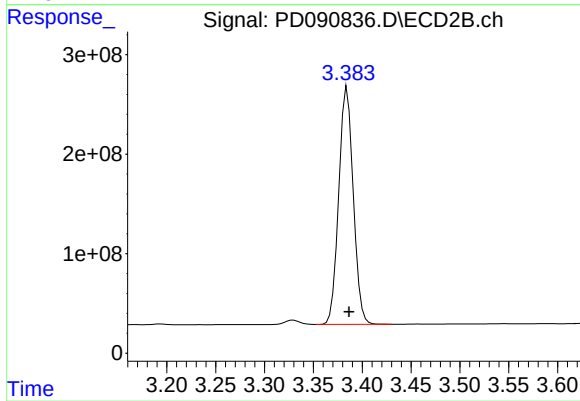
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 569264246
Conc: 19.12 ng/ml



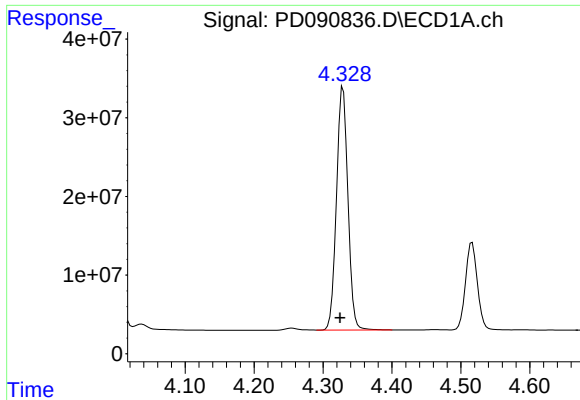
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 374729778
Conc: 52.21 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2464448622
Conc: 48.23 ng/ml



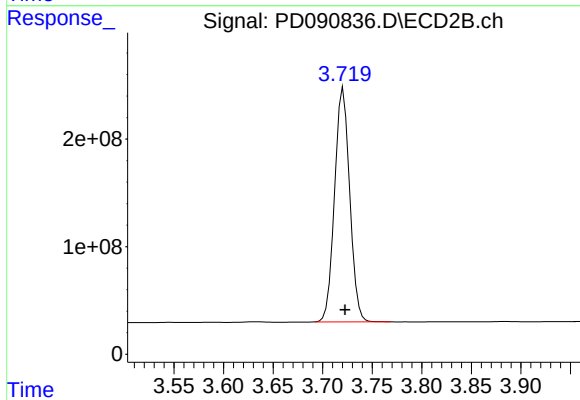
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.004 min
Response: 355731808
Conc: 52.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

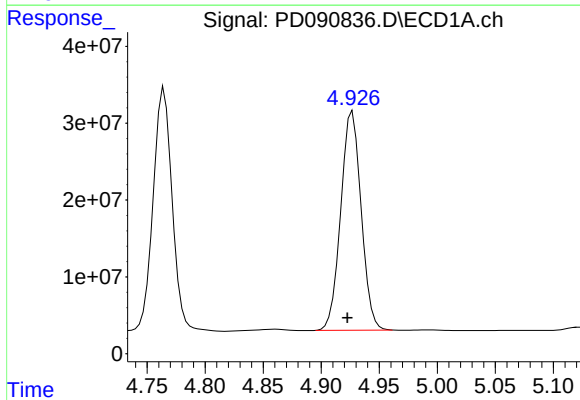
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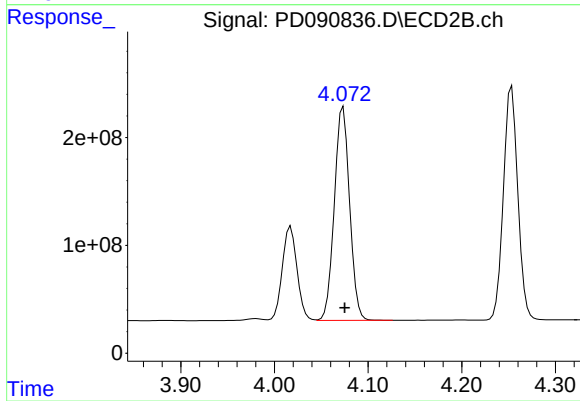
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.002 min
Response: 2307249314
Conc: 48.83 ng/ml



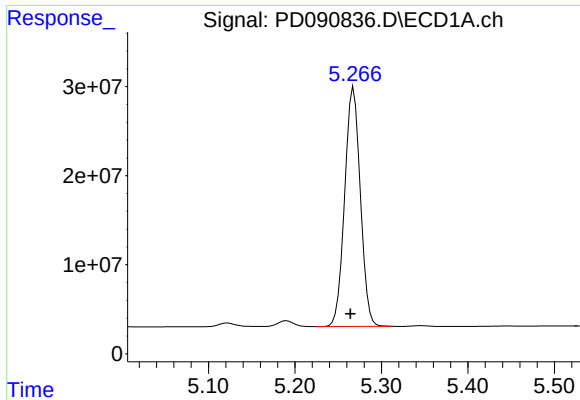
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.003 min
Response: 348757180
Conc: 62.39 ng/ml m



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2248241777
Conc: 50.41 ng/ml



#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.004 min
Response: 336100737
Conc: 51.33 ng/ml

Instrument :

ECD_D

ClientSampleId :

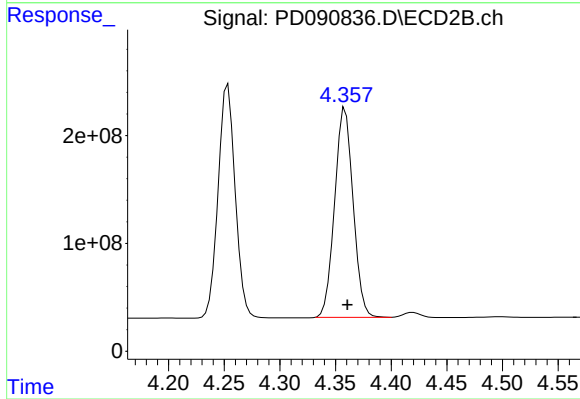
PB170257BS

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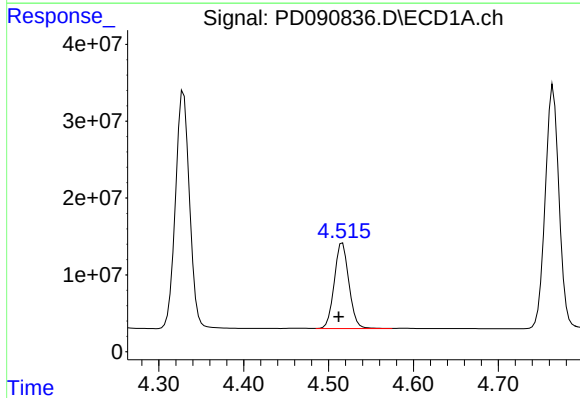
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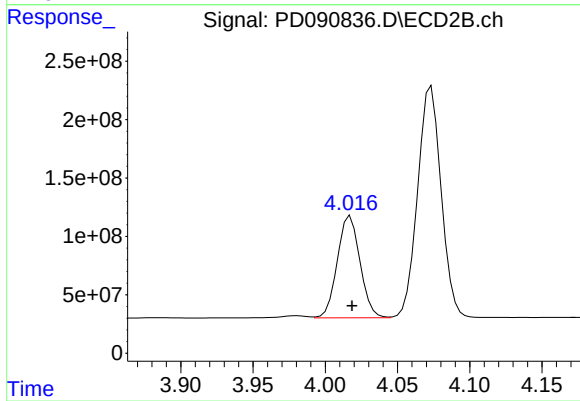
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2242181002
Conc: 48.41 ng/ml



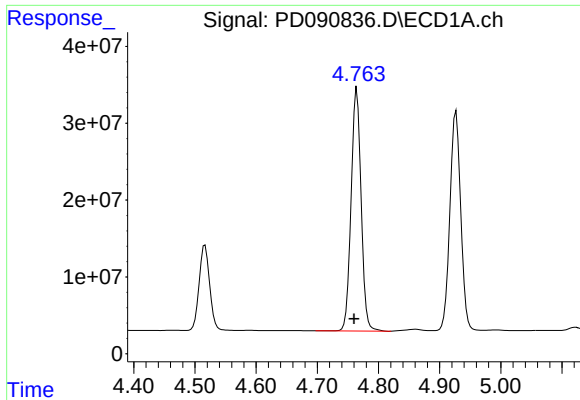
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.004 min
Response: 133331002
Conc: 50.90 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 951236793
Conc: 47.97 ng/ml



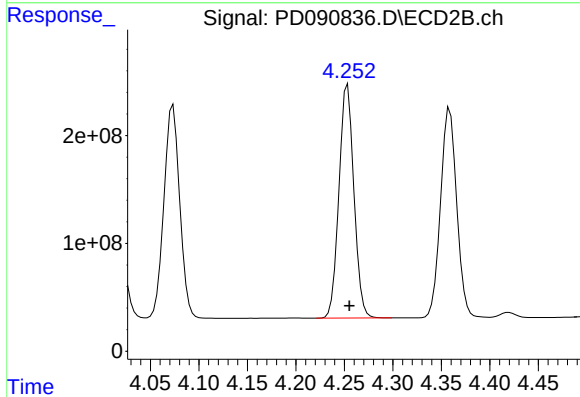
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.004 min
Response: 359268974
Conc: 53.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

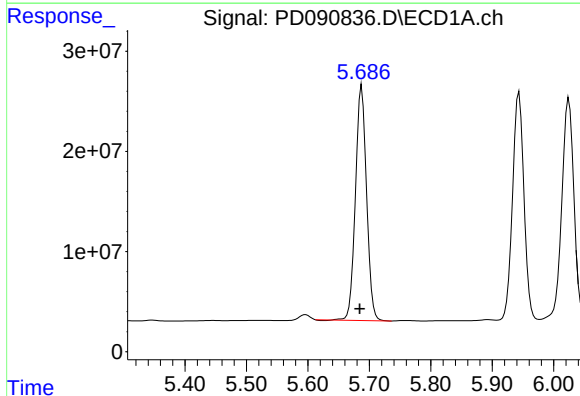
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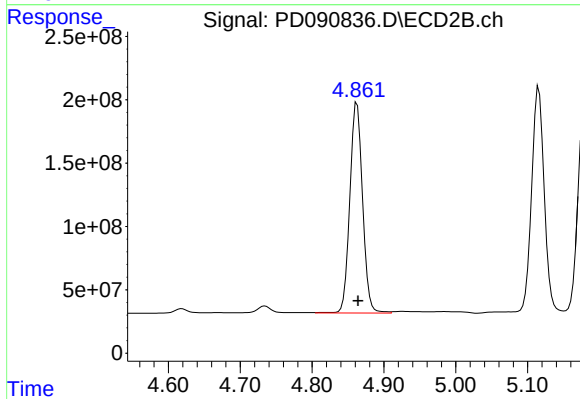
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2320727228
Conc: 48.64 ng/ml



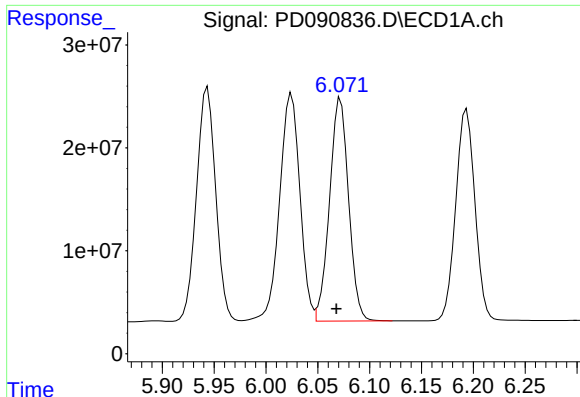
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.003 min
Response: 294297954
Conc: 50.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2037597437
Conc: 47.79 ng/ml



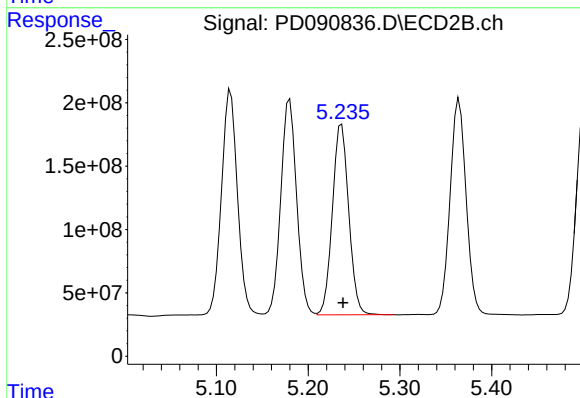
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.004 min
Response: 277277834
Conc: 50.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

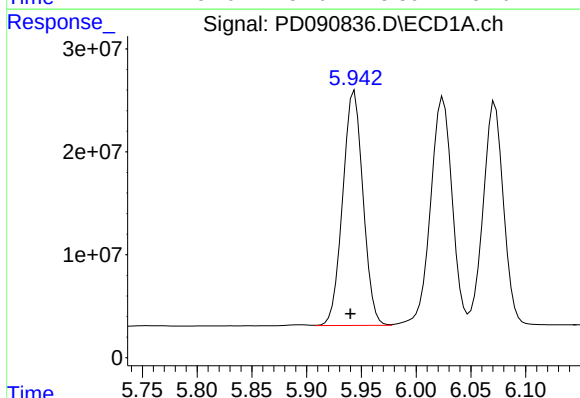
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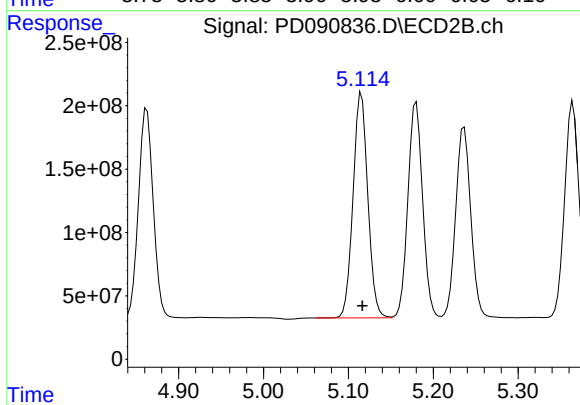
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1864610630
Conc: 47.34 ng/ml



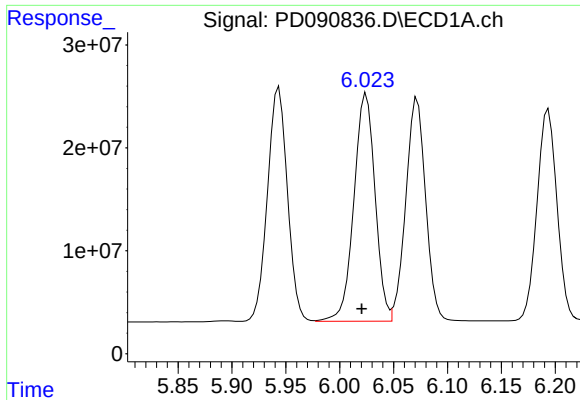
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.003 min
Response: 294316969
Conc: 49.62 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.001 min
Response: 2148581219
Conc: 47.80 ng/ml



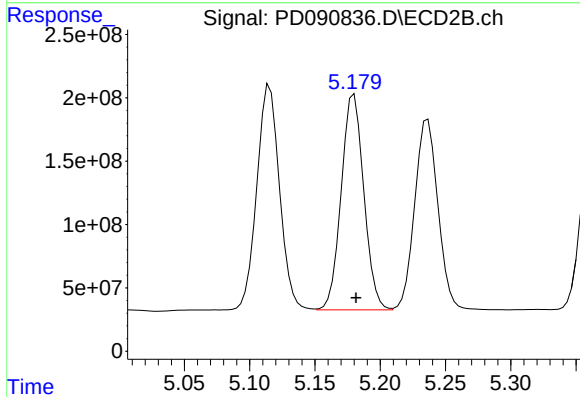
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.004 min
Response: 302529489
Conc: 48.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

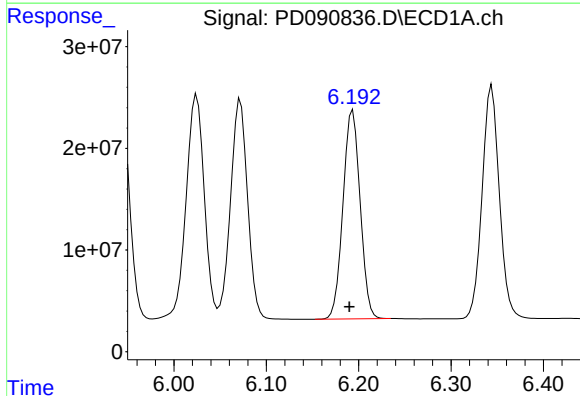
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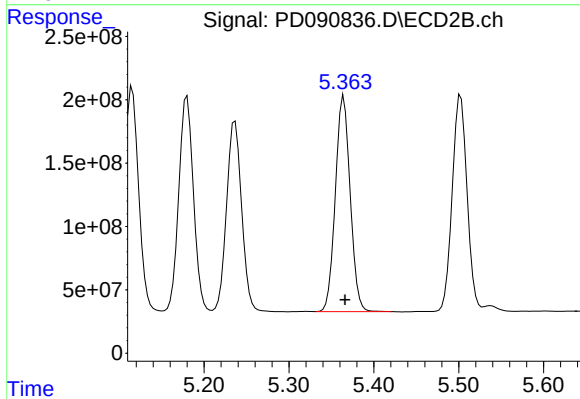
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 2048449559
Conc: 47.49 ng/ml



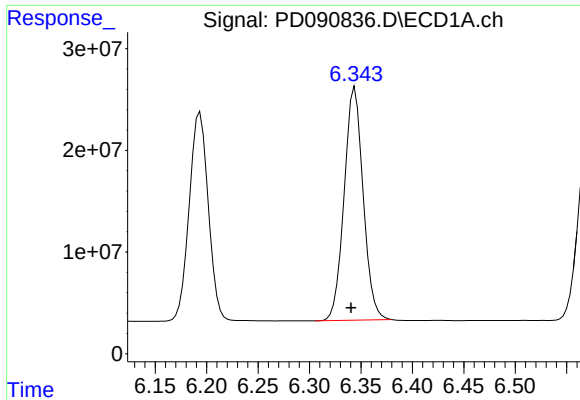
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.004 min
Response: 264525104
Conc: 49.66 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.001 min
Response: 2064955911
Conc: 47.10 ng/ml



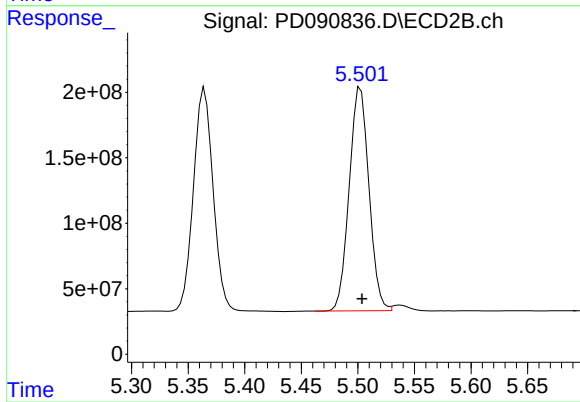
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.004 min
Response: 294425273
Conc: 50.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

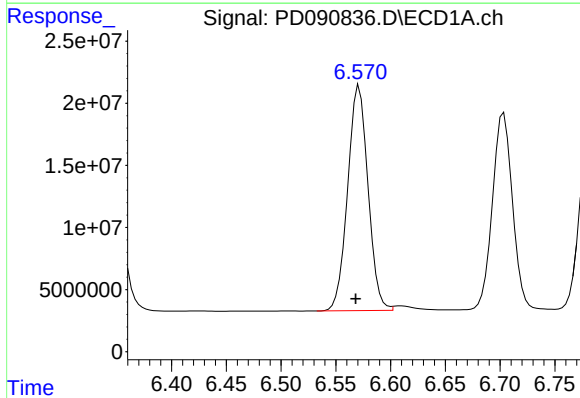
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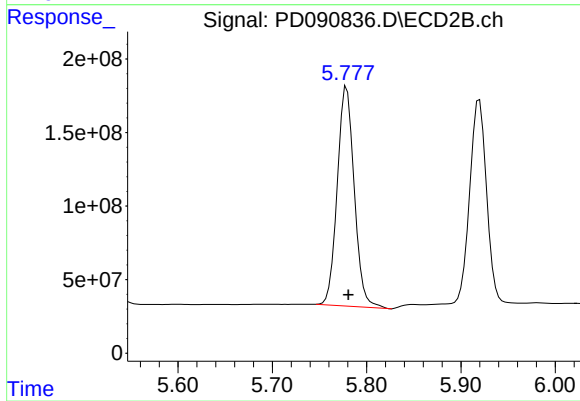
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.001 min
Response: 2075052241
Conc: 46.96 ng/ml



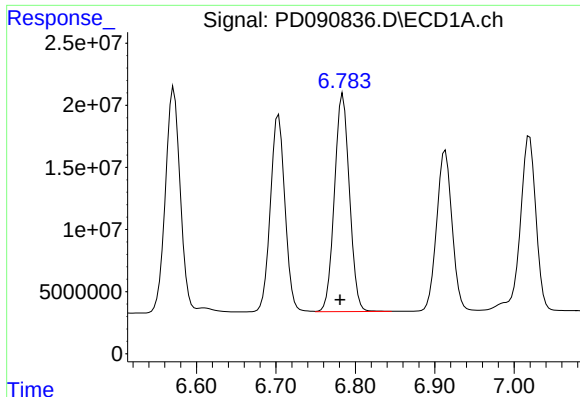
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.003 min
Response: 234576627
Conc: 47.35 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 1872113469
Conc: 46.23 ng/ml



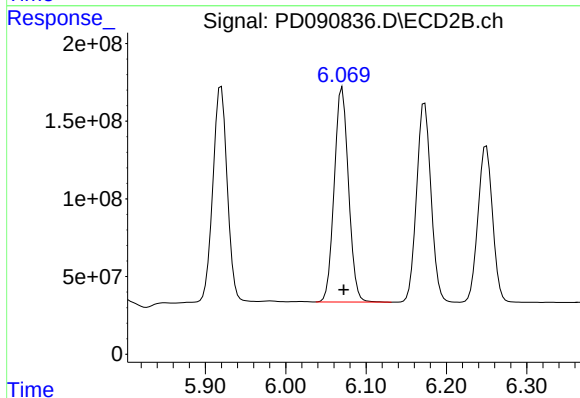
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.003 min
Response: 229900352
Conc: 45.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
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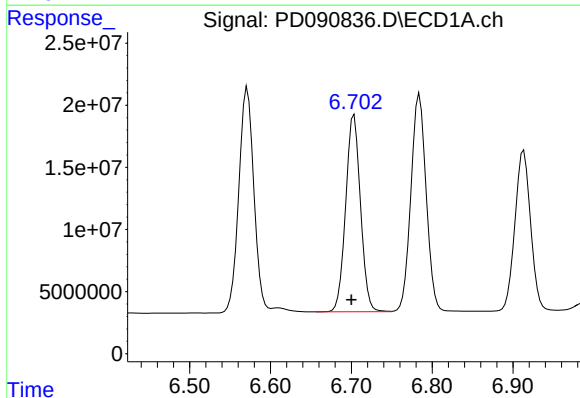
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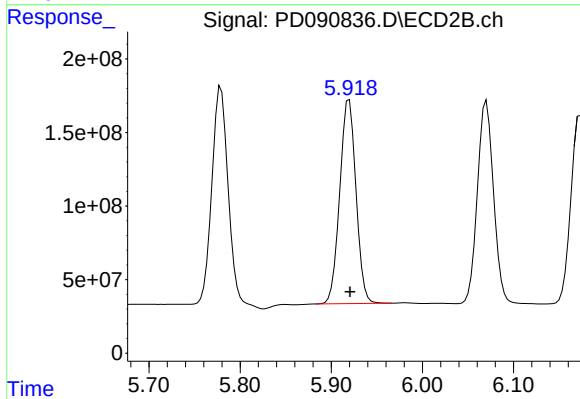
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1706402508
Conc: 45.44 ng/ml



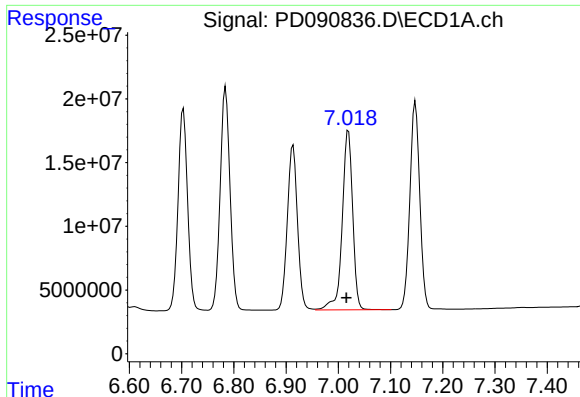
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.003 min
Response: 201732632
Conc: 49.76 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 1718422371
Conc: 47.16 ng/ml



#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 195512632
Conc: 47.56 ng/ml

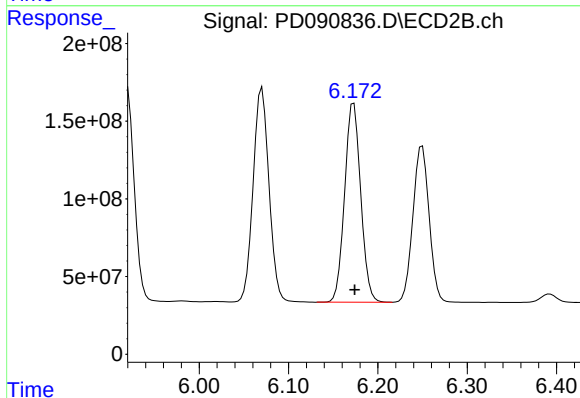
Instrument :

ECD_D

ClientSampleId :
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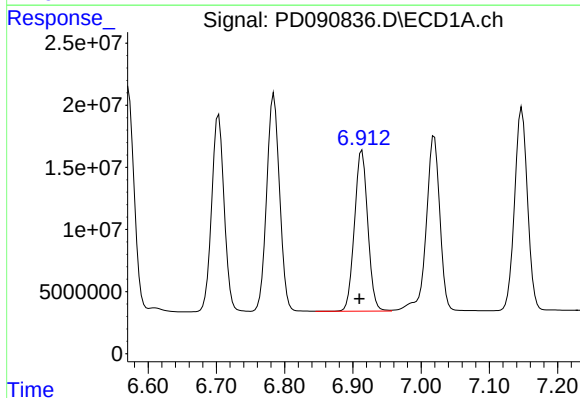
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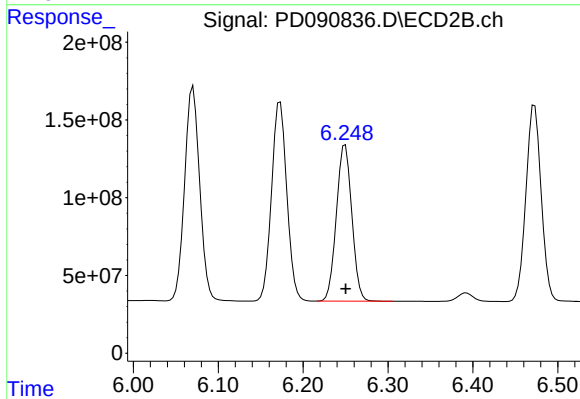
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1602010869
Conc: 45.68 ng/ml



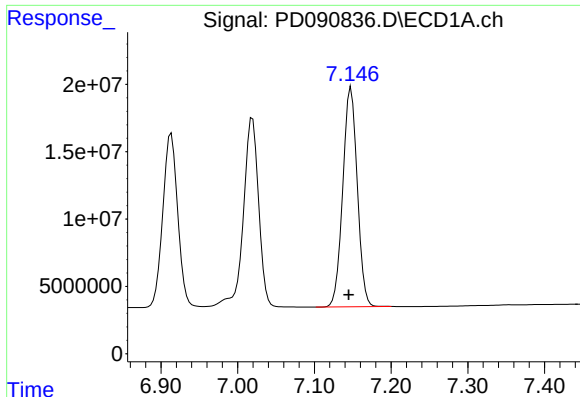
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.004 min
Response: 175498240
Conc: 47.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1269477038
Conc: 45.84 ng/ml



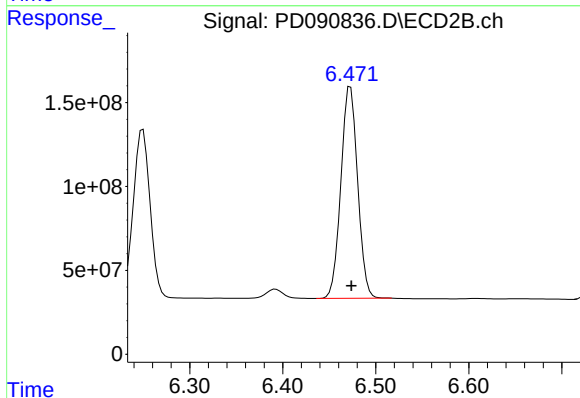
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.003 min
Response: 214571255
Conc: 46.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

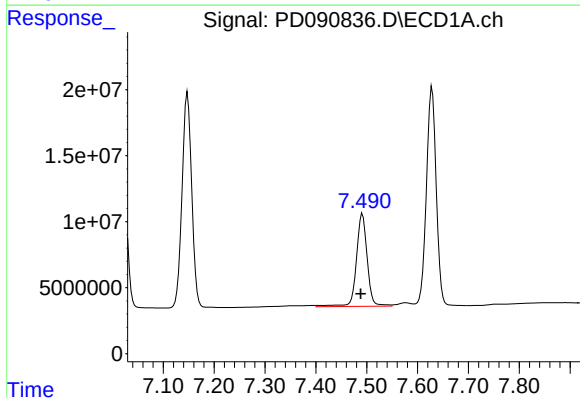
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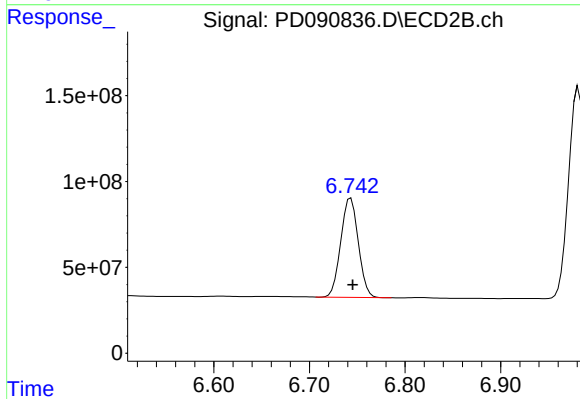
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.001 min
Response: 1579256286
Conc: 44.06 ng/ml



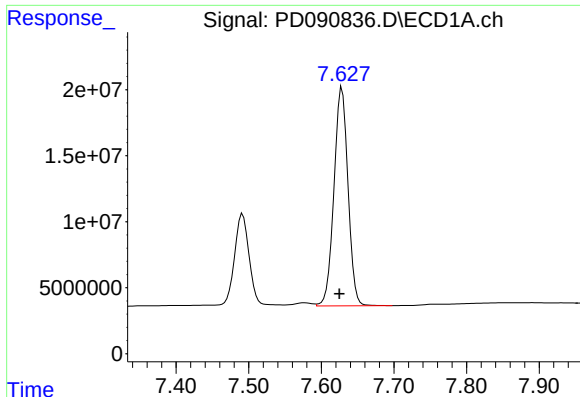
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.003 min
Response: 103596601
Conc: 48.74 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 738747145
Conc: 42.39 ng/ml



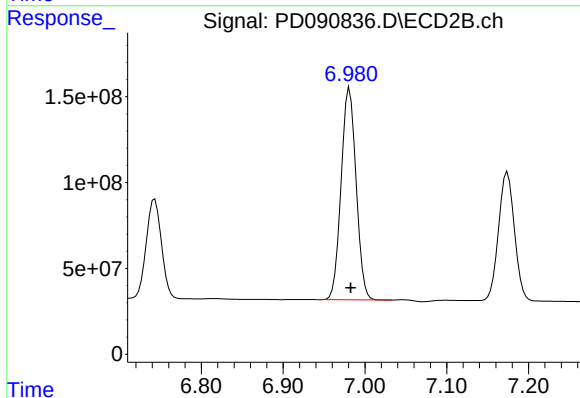
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.004 min
Response: 222174927
Conc: 45.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

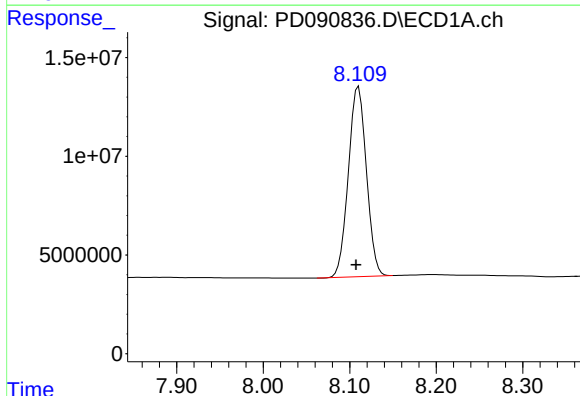
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



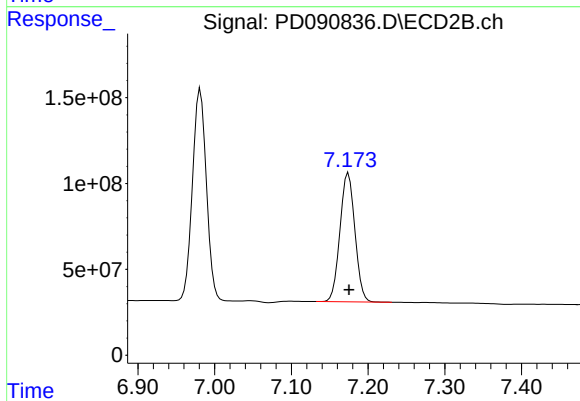
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.001 min
Response: 1564231077
Conc: 41.47 ng/ml



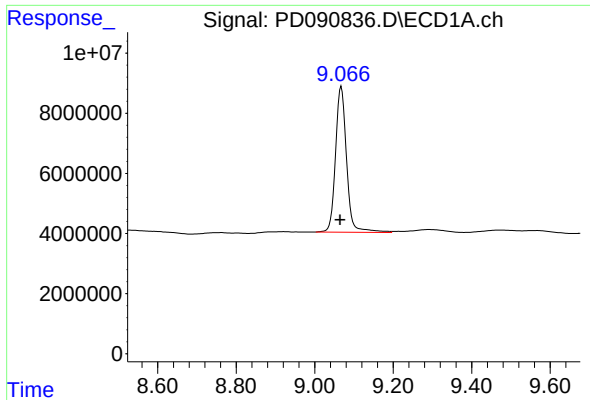
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.003 min
Response: 139386384
Conc: 43.55 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.001 min
Response: 1015813480
Conc: 39.54 ng/ml



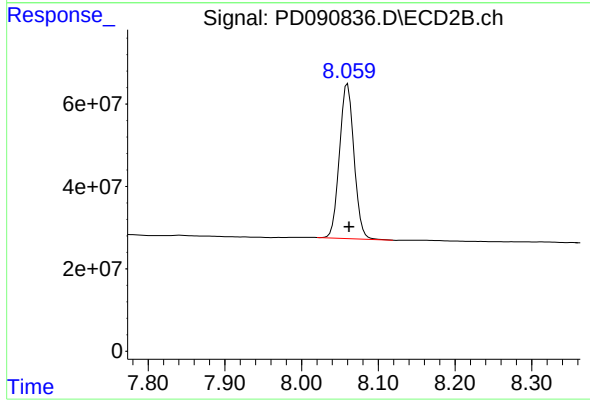
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.003 min
Response: 94667099
Conc: 20.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170257BS

Manual Integrations
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Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 494535448
Conc: 16.33 ng/ml