

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101525\
 Data File : PD090597.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Oct 2025 11:47
 Operator : AR\AJ
 Sample : PB170091BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170091BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/16/2025
 Supervised By : mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 16 08:09:36 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.552	2.873	54849384	514.0E6	16.874	18.724
28)	SA Decachlor...	9.077	8.064	101.7E6	661.3E6	21.087	20.401
Target Compounds							
2)	A alpha-BHC	4.002	3.385	384.3E6	2456.0E6	55.028	56.094
3)	MA gamma-BHC...	4.333	3.722	360.9E6	2268.9E6	54.535	55.699
4)	MA Heptachlor	4.931	4.074	311.7E6	2016.0E6	47.134	49.513
5)	MB Aldrin	5.273	4.360	344.2E6	2239.0E6	54.204	56.065
6)	B beta-BHC	4.520	4.018	135.2E6	952.0E6	52.418	54.914
7)	B delta-BHC	4.767	4.255	363.9E6	2299.6E6	56.357m	55.687
8)	B Heptachlo...	5.692	4.864	306.3E6	2039.5E6	53.605m	55.323
9)	A Endosulfan I	6.077	5.238	289.8E6	1853.6E6	53.652	53.566
10)	B gamma-Chl...	5.949	5.117	309.9E6	2204.7E6	54.260	56.118
11)	B alpha-Chl...	6.030	5.182	325.5E6	2099.4E6	56.507	55.738
12)	B 4,4'-DDE	6.199	5.366	281.3E6	2134.4E6	54.022	55.758
13)	MA Dieldrin	6.350	5.504	309.5E6	2159.9E6	53.684	55.458
14)	MA Endrin	6.578	5.781	264.0E6	1997.6E6	53.952	55.750
15)	B Endosulfa...	6.789	6.073	258.0E6	1855.3E6	52.899m	54.970
16)	A 4,4'-DDD	6.709	5.922	222.5E6	1781.8E6	54.305	54.946
17)	MA 4,4'-DDT	7.025	6.176	208.3E6	1616.6E6	46.776	47.022
18)	B Endrin al...	6.919	6.251	194.4E6	1373.4E6	56.671	58.326
19)	B Endosulfa...	7.154	6.475	238.6E6	1766.7E6	51.869	54.044
20)	A Methoxychlor	7.498	6.747	97127952	755.1E6	41.217	43.398
21)	B Endrin ke...	7.635	6.984	251.8E6	1888.9E6	50.901	52.319
22)	Mirex	8.117	7.177	173.2E6	1370.6E6	46.754	49.648

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

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Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Oct 2025 11:47
Operator : AR\AJ
Sample : PB170091BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

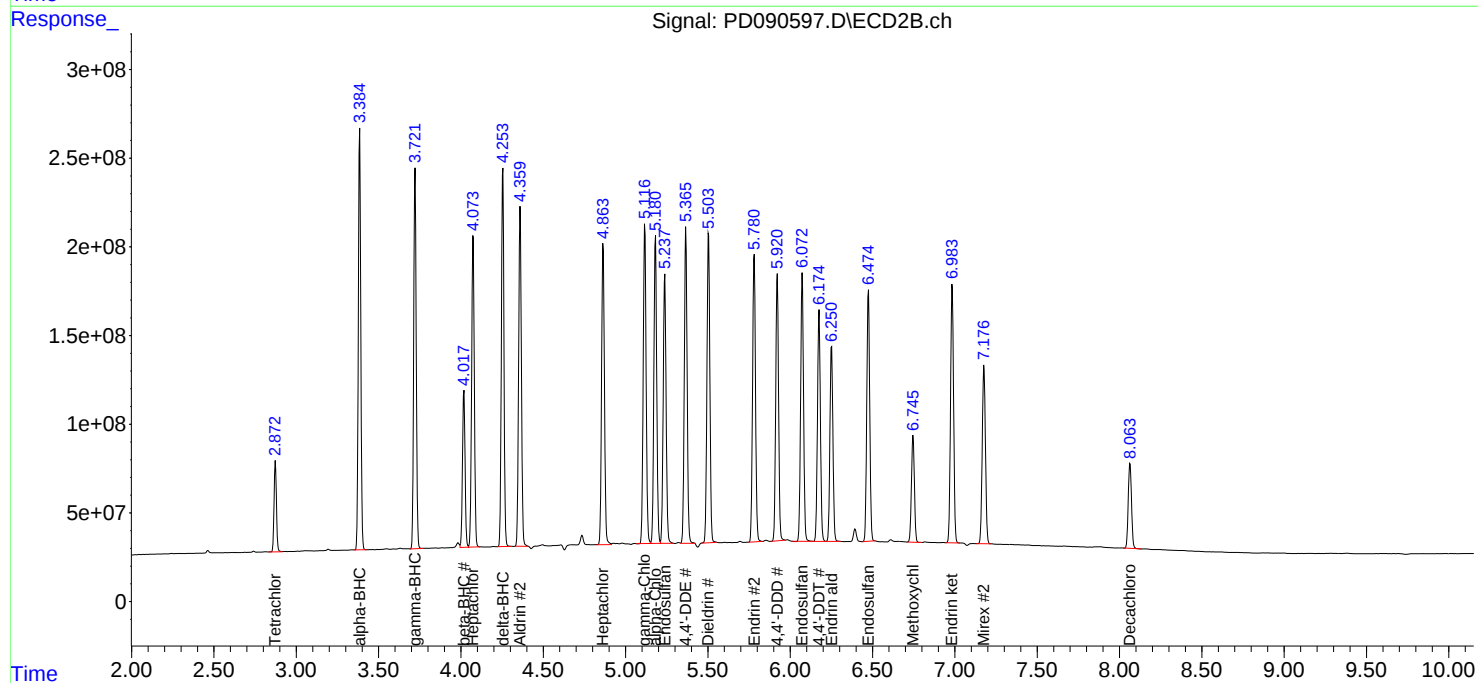
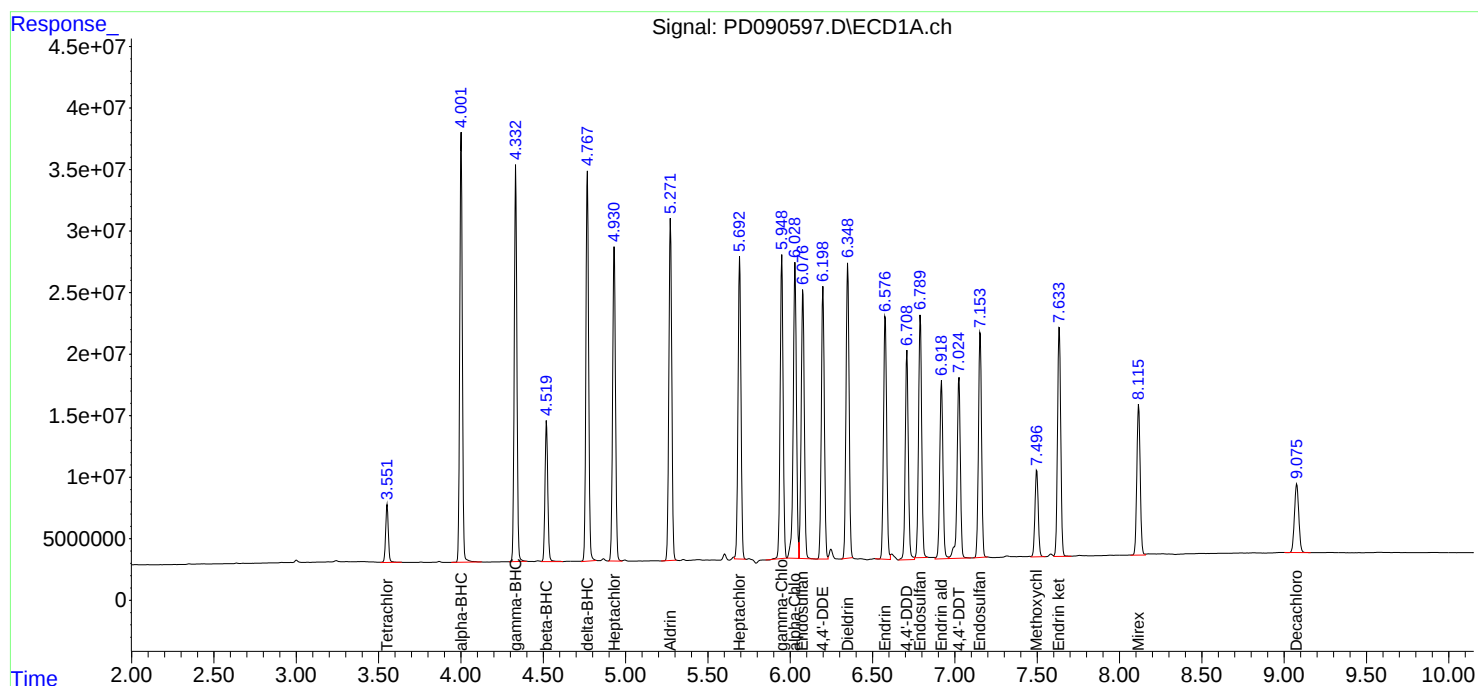
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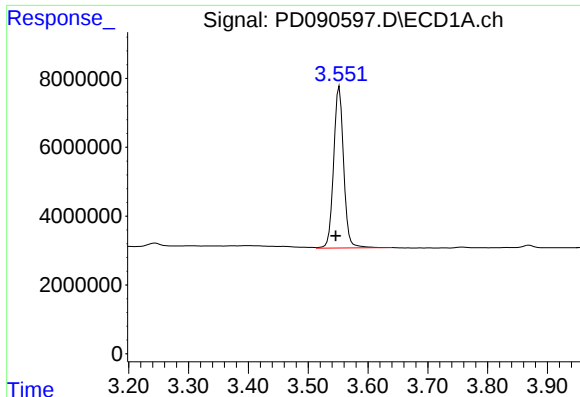
Manual Integrations
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Supervised By :mohammad ahmed 10/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 16 08:09:36 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
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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





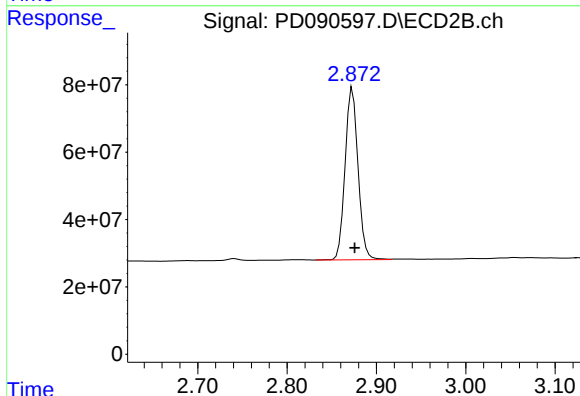
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 54849384
Conc: 16.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

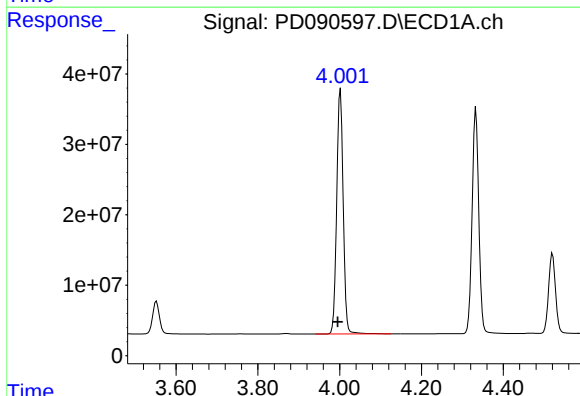
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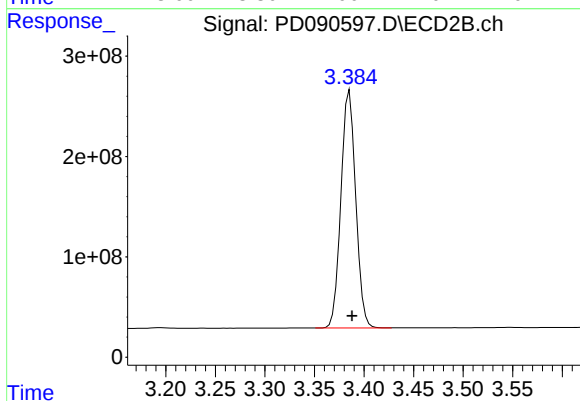
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.003 min
Response: 513960835
Conc: 18.72 ng/ml



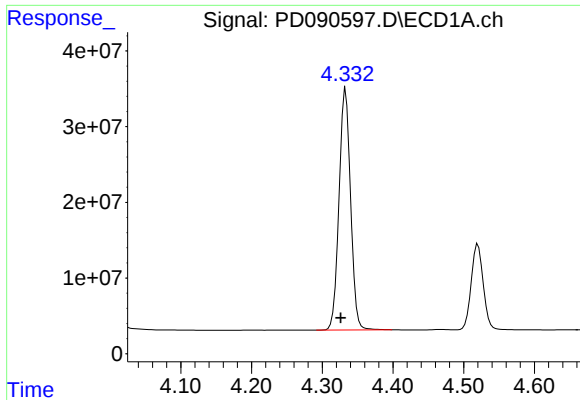
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.006 min
Response: 384342505
Conc: 55.03 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2455958216
Conc: 56.09 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 360852723
Conc: 54.54 ng/ml

Instrument :

ECD_D

ClientSampleId :

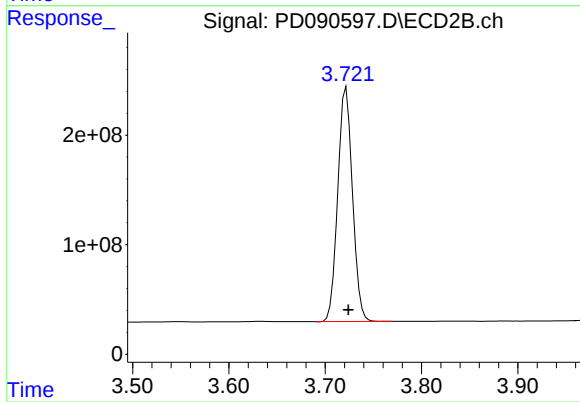
PB170091BS

Manual Integrations

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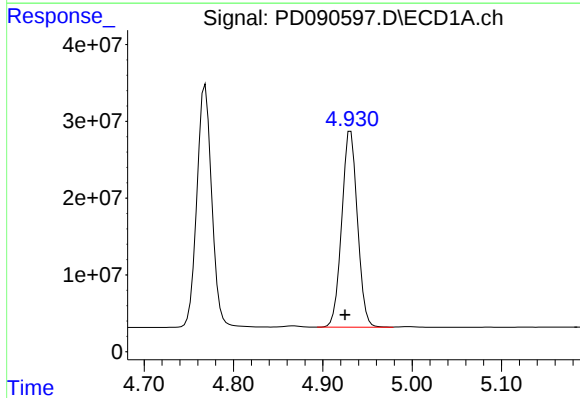
Reviewed By :Abdul Mirza 10/16/2025

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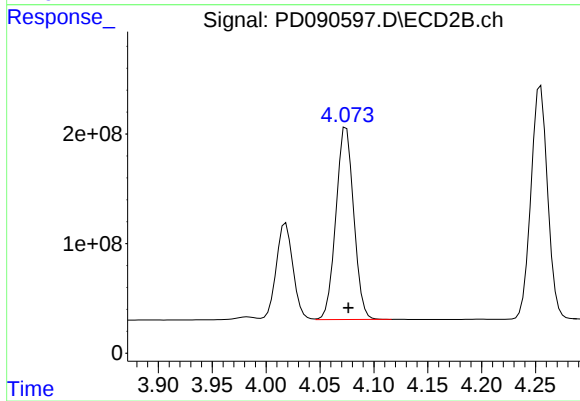
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 2268913853
Conc: 55.70 ng/ml



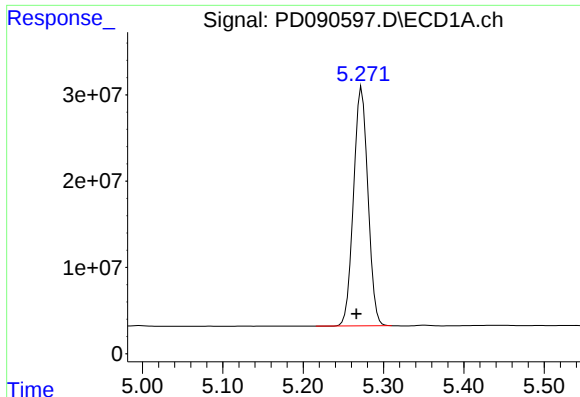
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.006 min
Response: 311676259
Conc: 47.13 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 2015993687
Conc: 49.51 ng/ml



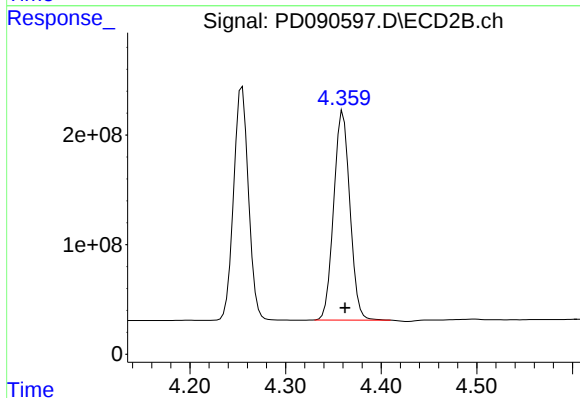
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.007 min
Response: 344192556
Conc: 54.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

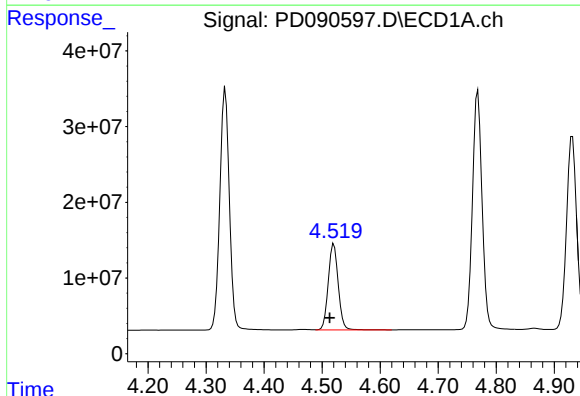
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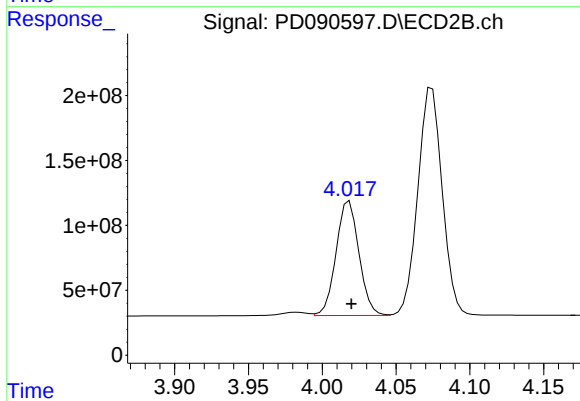
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 2238965561
Conc: 56.07 ng/ml



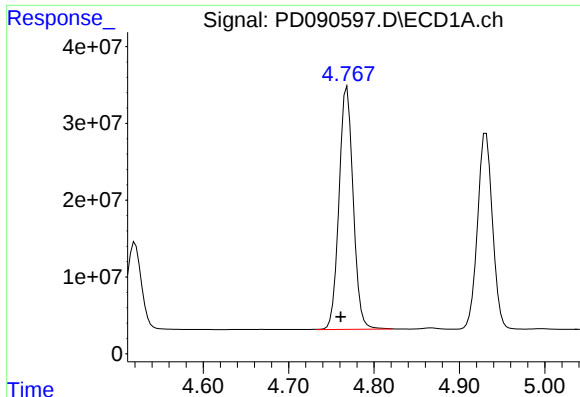
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 135233857
Conc: 52.42 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 951956533
Conc: 54.91 ng/ml



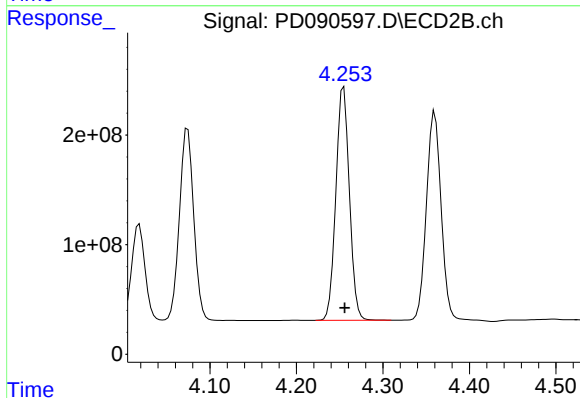
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.006 min
Response: 363922458
Conc: 56.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

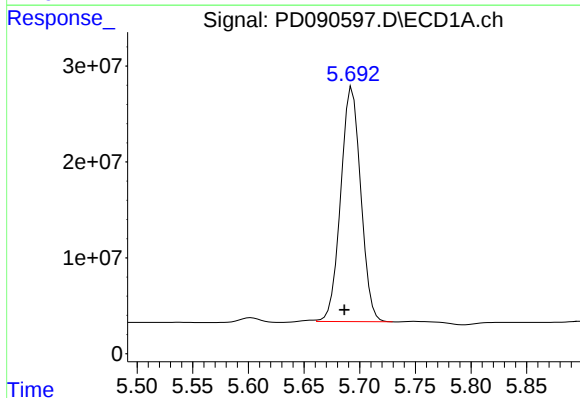
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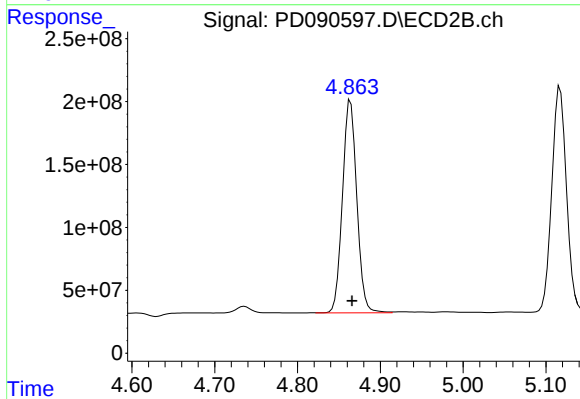
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2299566692
Conc: 55.69 ng/ml



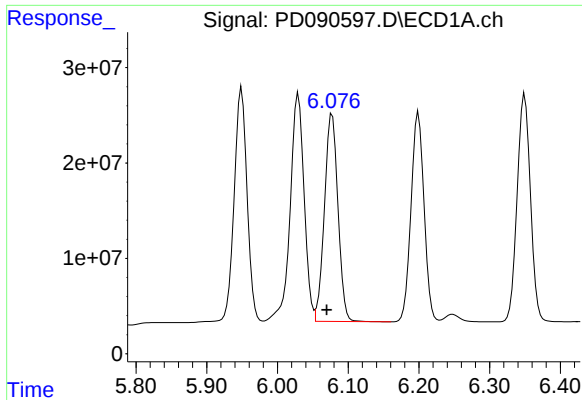
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.006 min
Response: 306347793
Conc: 53.60 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2039481957
Conc: 55.32 ng/ml



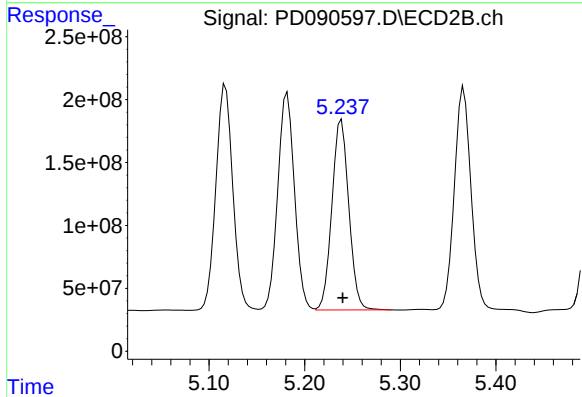
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.008 min
Response: 289801501
Conc: 53.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

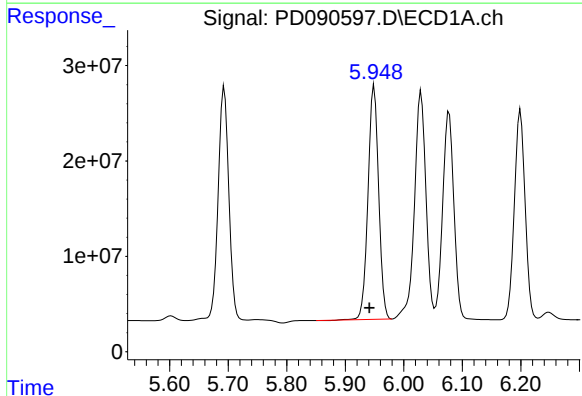
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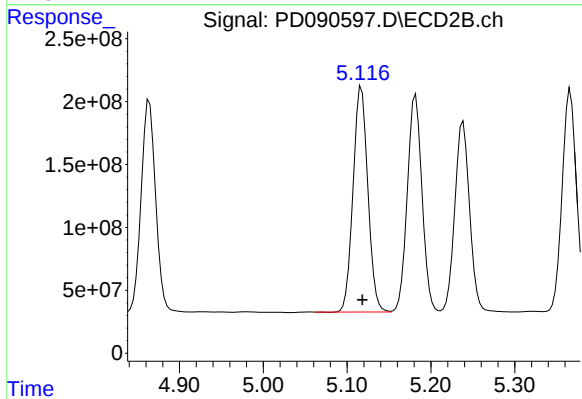
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.001 min
Response: 1853649058
Conc: 53.57 ng/ml



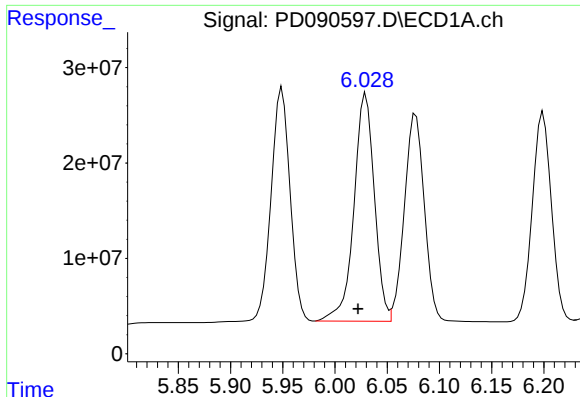
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.008 min
Response: 309927740
Conc: 54.26 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 2204679716
Conc: 56.12 ng/ml



#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.007 min
Response: 325528510
Conc: 56.51 ng/ml

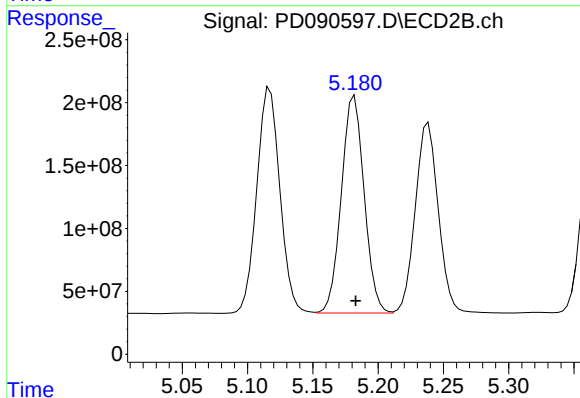
Instrument :

ECD_D

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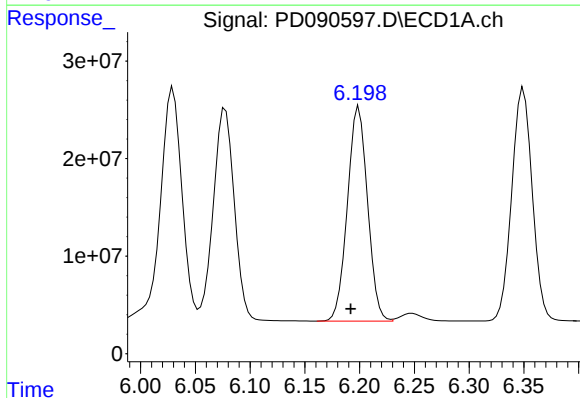
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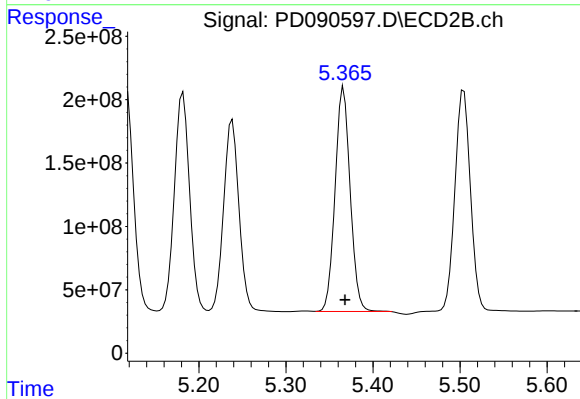
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 2099373298
Conc: 55.74 ng/ml



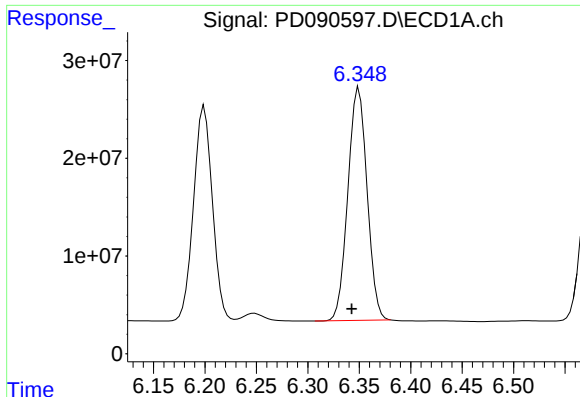
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.008 min
Response: 281320726
Conc: 54.02 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.001 min
Response: 2134365305
Conc: 55.76 ng/ml



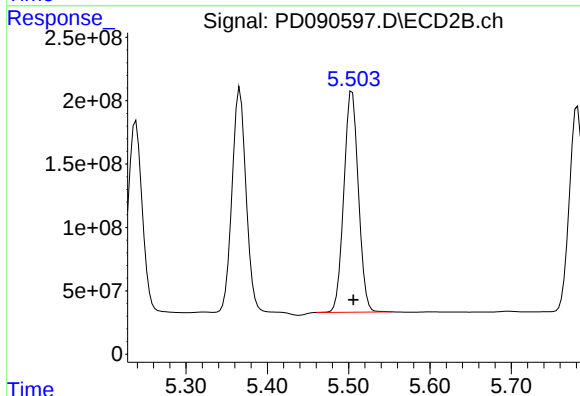
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.007 min
Response: 309470578
Conc: 53.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
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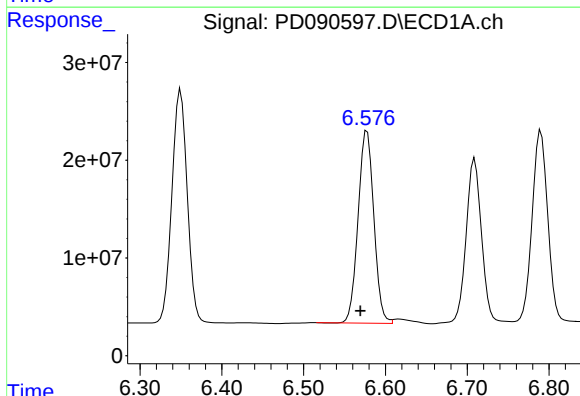
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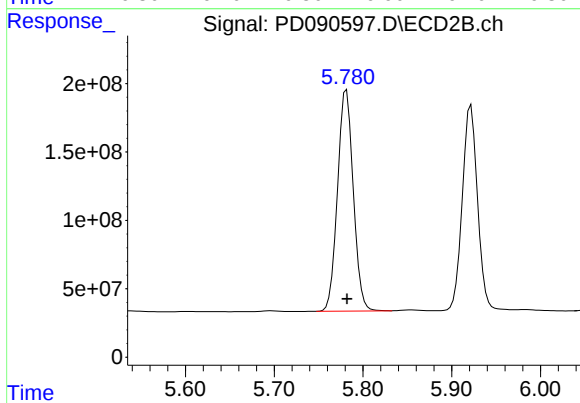
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 2159871066
Conc: 55.46 ng/ml



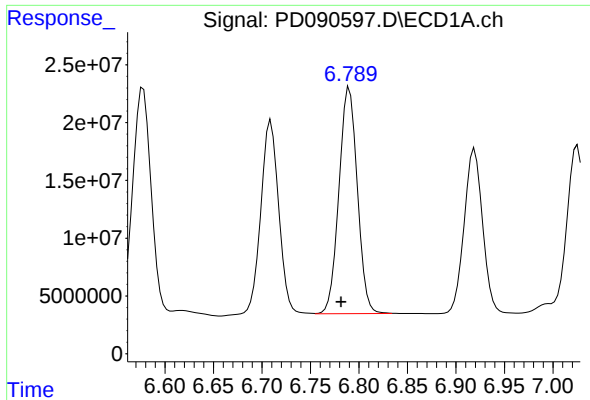
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.008 min
Response: 264038050
Conc: 53.95 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1997634702
Conc: 55.75 ng/ml



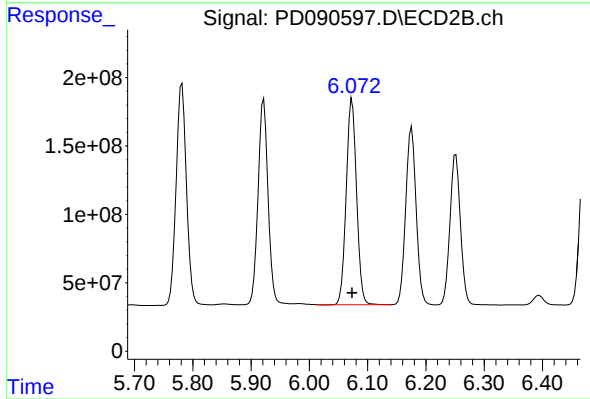
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.007 min
Response: 258031612
Conc: 52.90 ng/ml

Instrument :
ECD_D
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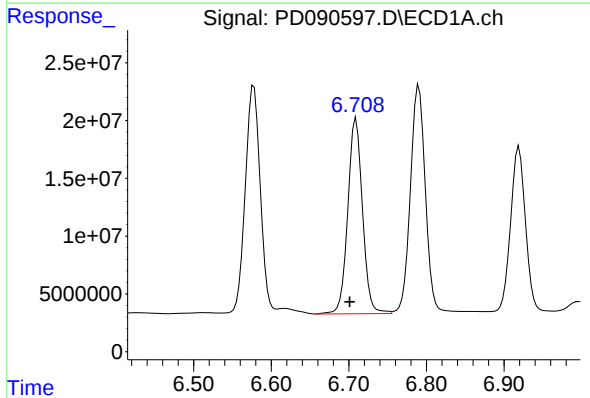
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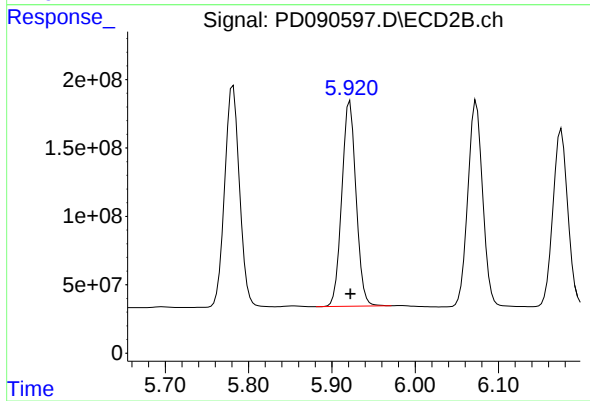
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1855260722
Conc: 54.97 ng/ml



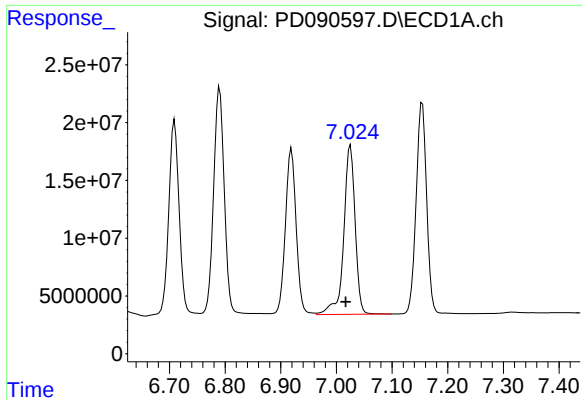
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.008 min
Response: 222531545
Conc: 54.30 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 1781788690
Conc: 54.95 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.008 min
Response: 208269387
Conc: 46.78 ng/ml

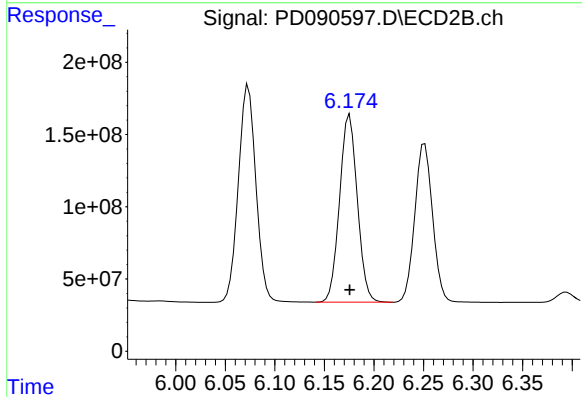
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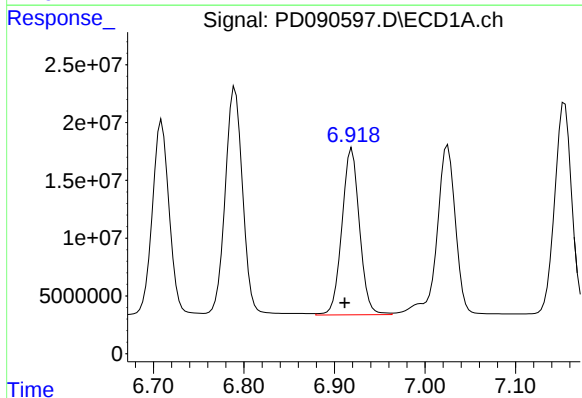
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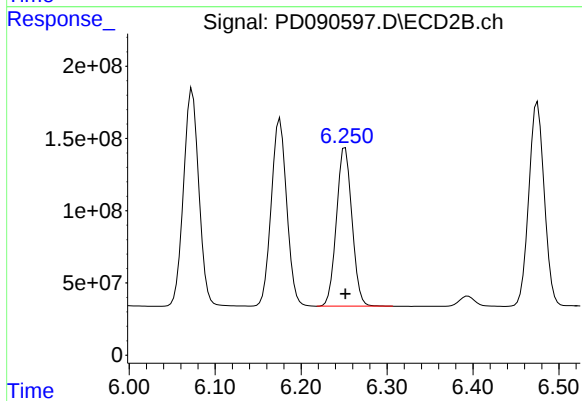
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1616557465
Conc: 47.02 ng/ml



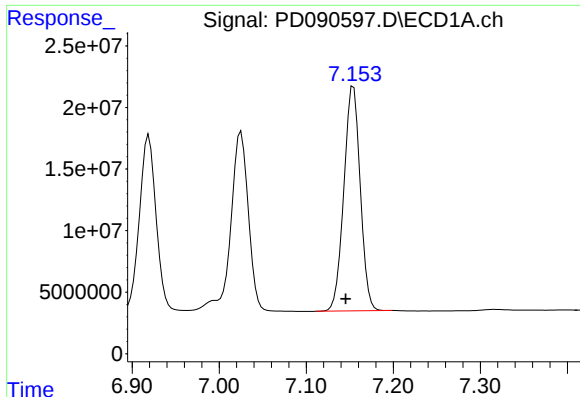
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.008 min
Response: 194413752
Conc: 56.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1373381896
Conc: 58.33 ng/ml



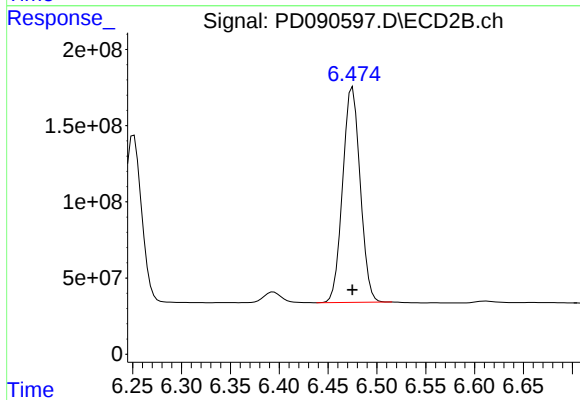
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.009 min
Response: 238616642
Conc: 51.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

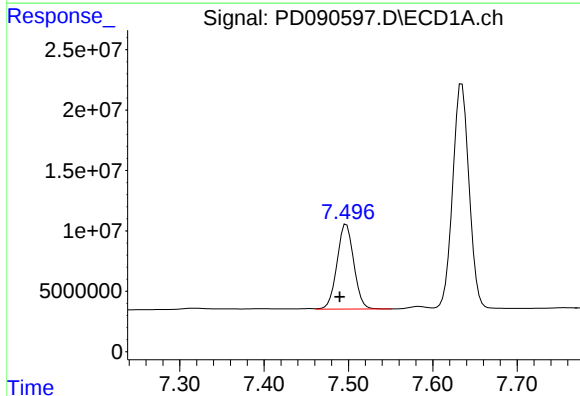
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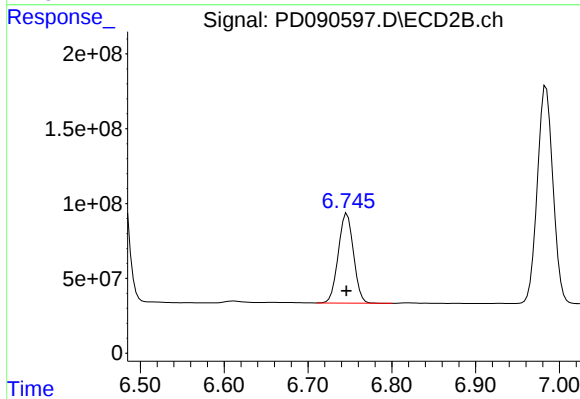
#19 Endosulfan Sulfate

R.T.: 6.475 min
Delta R.T.: 0.000 min
Response: 1766713386
Conc: 54.04 ng/ml



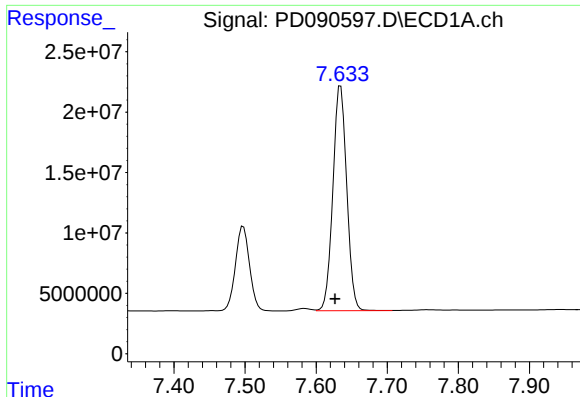
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.008 min
Response: 97127952
Conc: 41.22 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 755145657
Conc: 43.40 ng/ml



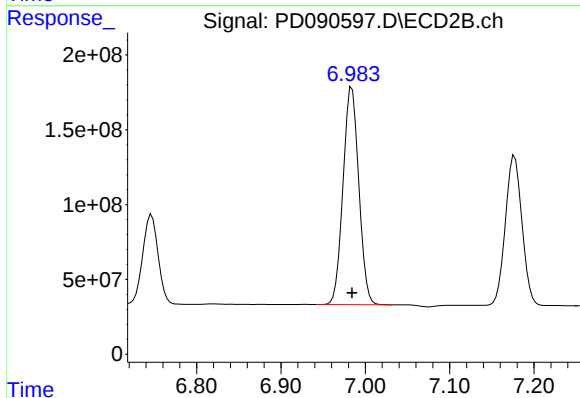
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.008 min
Response: 251826908
Conc: 50.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

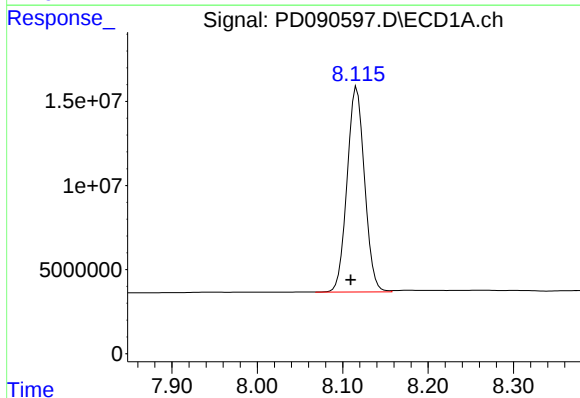
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



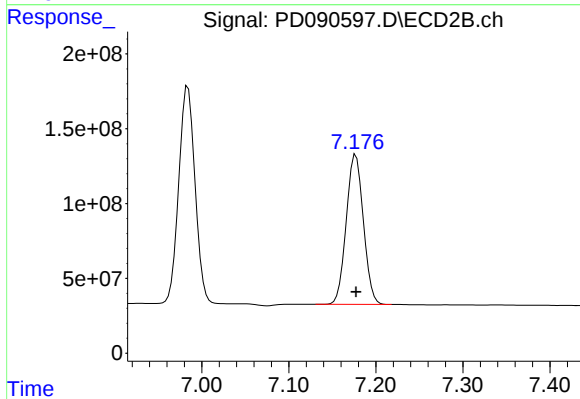
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1888854121
Conc: 52.32 ng/ml



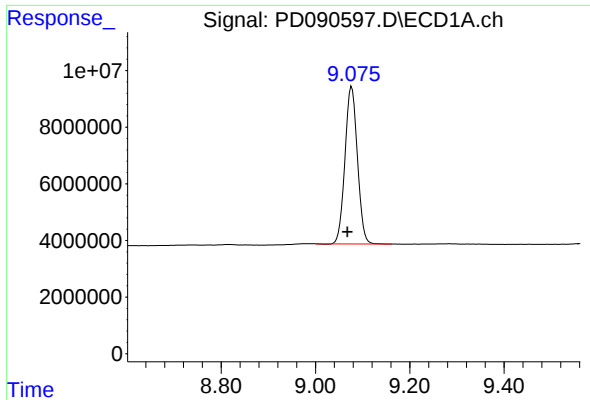
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.007 min
Response: 173216245
Conc: 46.75 ng/ml



#22 Mirex

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 1370583260
Conc: 49.65 ng/ml



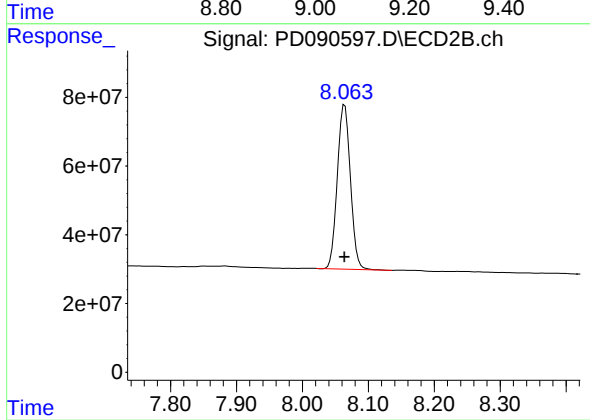
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.009 min
Response: 101744984
Conc: 21.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170091BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/16/2025
Supervised By :mohammad ahmed 10/17/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 661279206
Conc: 20.40 ng/ml