

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082825\
 Data File : PD090067.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Aug 2025 16:49
 Operator : AR\AJ
 Sample : Q2970-25MS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP6MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/29/2025
 Supervised By :mohammad ahmed 08/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 28 23:28:27 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	44332506	317.2E6	15.106m	14.386m
28)	SA Decachlor...	9.070	8.065	62497236	330.9E6	14.481	12.785
Target Compounds							
2)	A alpha-BHC	3.998	3.388	263.8E6	1343.0E6	43.945	39.571m
3)	MA gamma-BHC...	4.329	3.726	250.6E6	1243.9E6	43.767	39.905
4)	MA Heptachlor	4.927	4.078	246.3E6	1229.8E6	43.903	39.427
5)	MB Aldrin	5.268	4.364	242.8E6	1231.2E6	44.840	40.426
6)	B beta-BHC	4.515	4.021	96063054	534.0E6	42.828	40.062
7)	B delta-BHC	4.763	4.258	200.1E6	1034.3E6	38.646	32.783
8)	B Heptachlo...	5.688	4.867	218.8E6	1126.2E6	44.584	40.666
9)	A Endosulfan I	6.072	5.242	207.8E6	1068.5E6	45.022	40.750
10)	B gamma-Chl...	5.943	5.120	219.6E6	1195.0E6	44.907	40.355
11)	B alpha-Chl...	6.024	5.185	218.8E6	1149.0E6	44.442	40.262
12)	B 4,4'-DDE	6.194	5.369	198.9E6	1163.9E6	45.330	40.380
13)	MA Dieldrin	6.344	5.507	222.3E6	1183.2E6	45.404	40.399
14)	MA Endrin	6.572	5.784	184.9E6	1045.4E6	44.630	39.255
15)	B Endosulfa...	6.784	6.075	186.4E6	1022.8E6	44.164	40.434
16)	A 4,4'-DDD	6.703	5.924	159.3E6	981.0E6	46.049	40.801
17)	MA 4,4'-DDT	7.019	6.177	158.1E6	948.0E6	41.490	37.815
18)	B Endrin al...	6.913	6.253	137.1E6	751.6E6	47.833	43.646
19)	B Endosulfa...	7.147	6.477	169.4E6	953.4E6	43.224	39.106
20)	A Methoxychlor	7.491	6.748	81709104	500.8E6	40.740	38.835
21)	B Endrin ke...	7.629	6.986	189.6E6	1095.6E6	45.753	41.118
22)	Mirex	8.111	7.178	139.2E6	818.6E6	44.140	39.633

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

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Acq On : 28 Aug 2025 16:49
Operator : AR\AJ
Sample : Q2970-25MS
Misc :
ALS Vial : 14 Sample Multiplier: 1

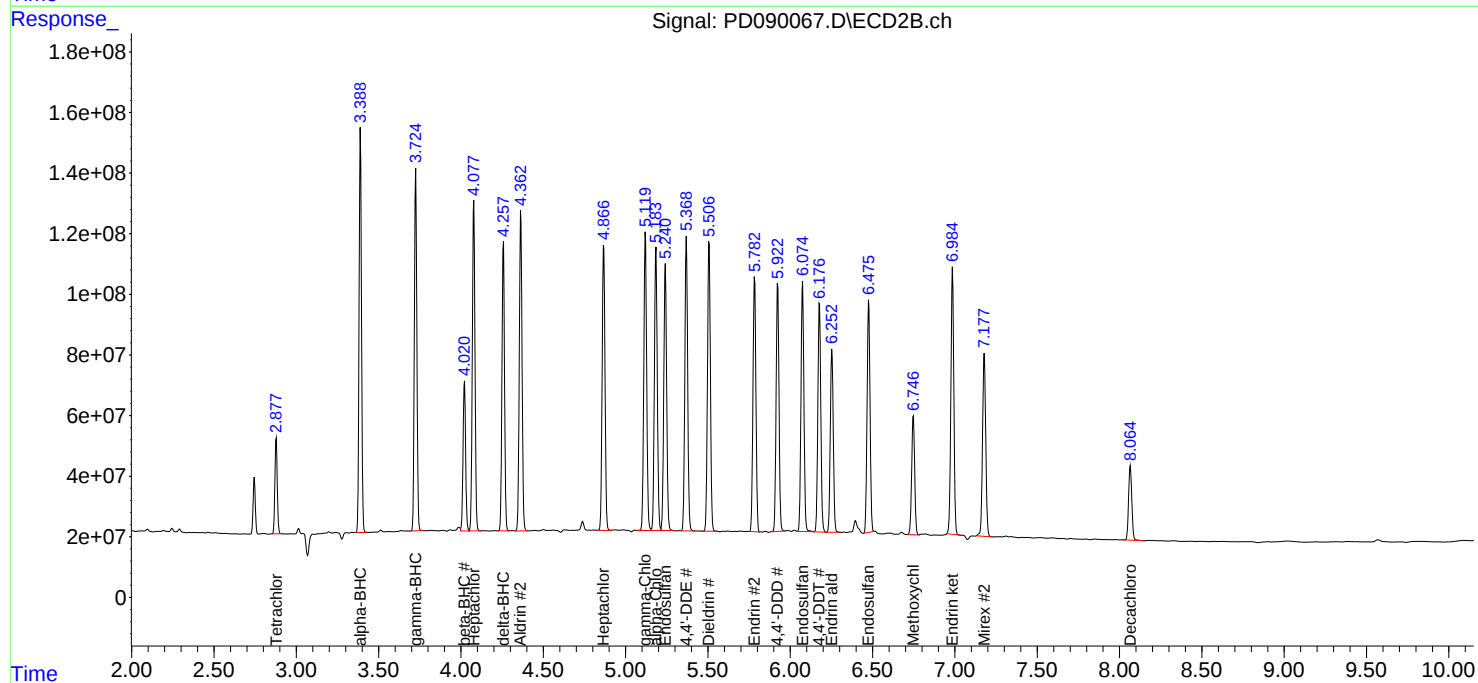
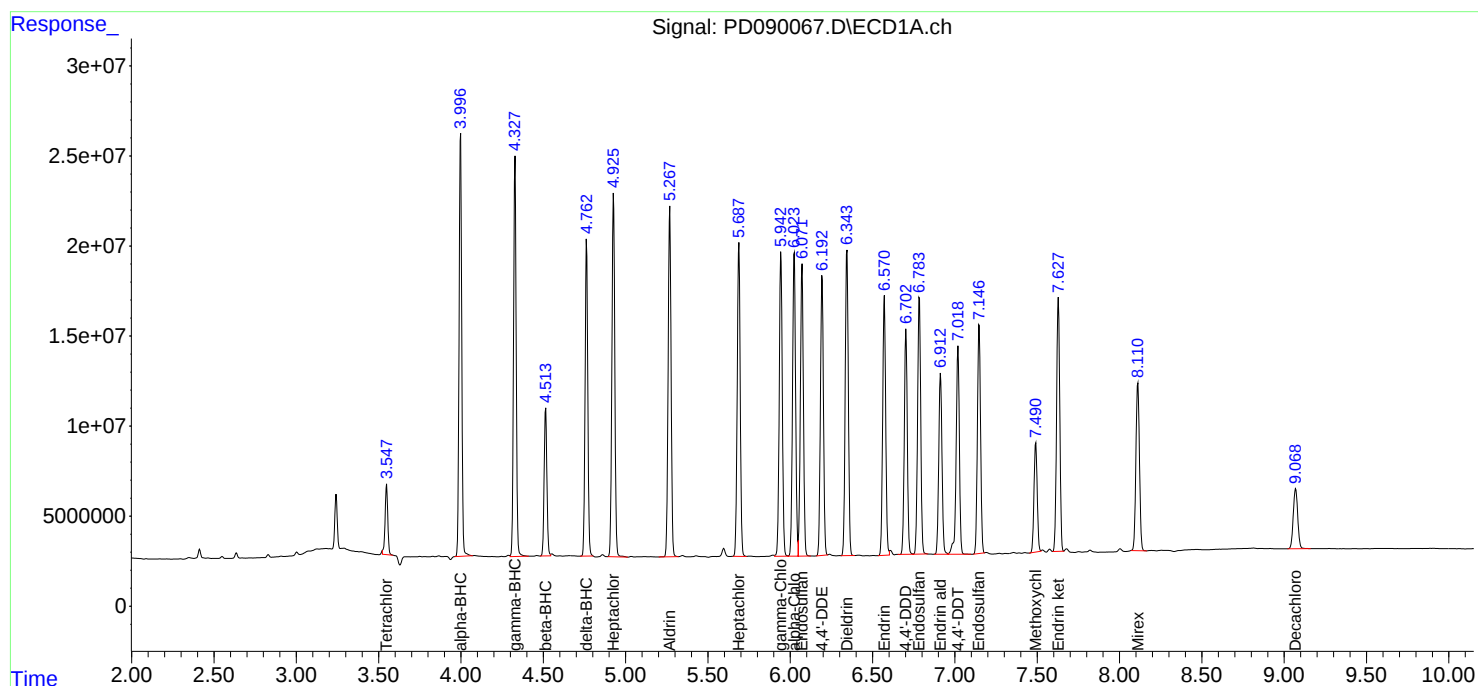
Instrument :
ECD_D
ClientSampleId :
TP6MS

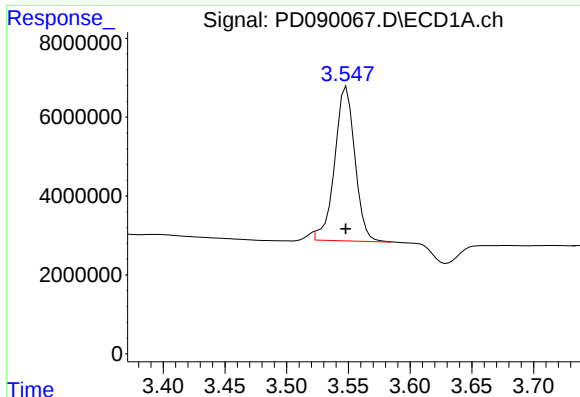
Manual Integrations
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Supervised By :mohammad ahmed 08/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 23:28:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
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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





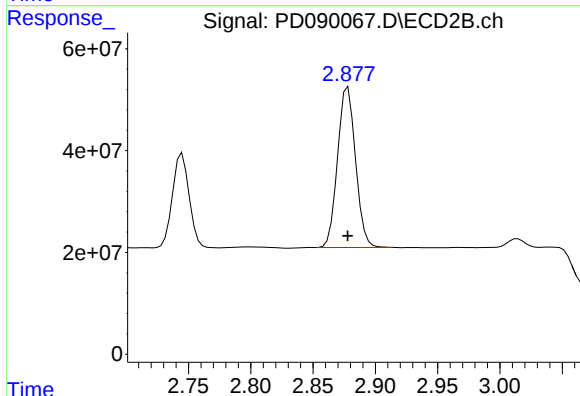
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 44332506
Conc: 15.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

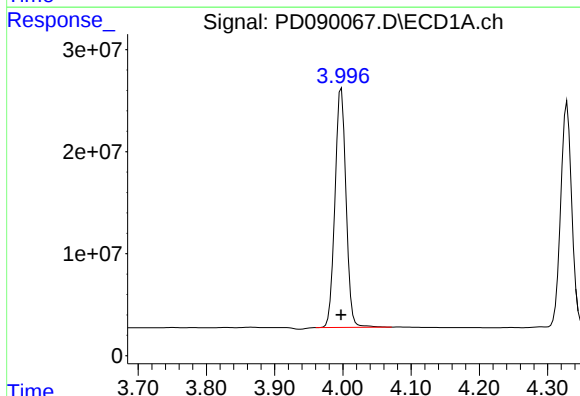
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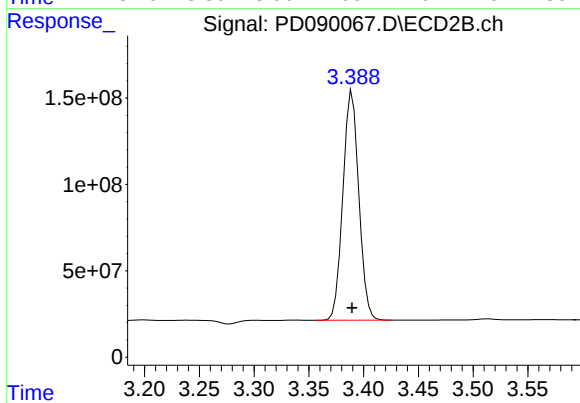
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 317226767
Conc: 14.39 ng/ml m



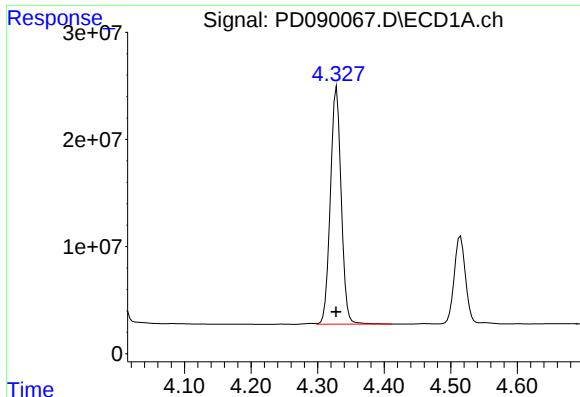
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 263768965
Conc: 43.95 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 1343009296
Conc: 39.57 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 250648395
Conc: 43.77 ng/ml

Instrument :

ECD_D

ClientSampleId :

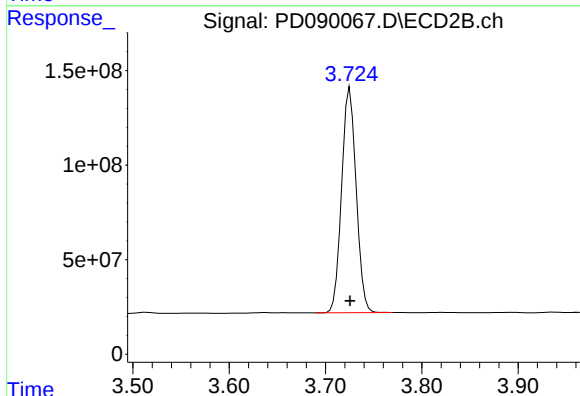
TP6MS

Manual Integrations

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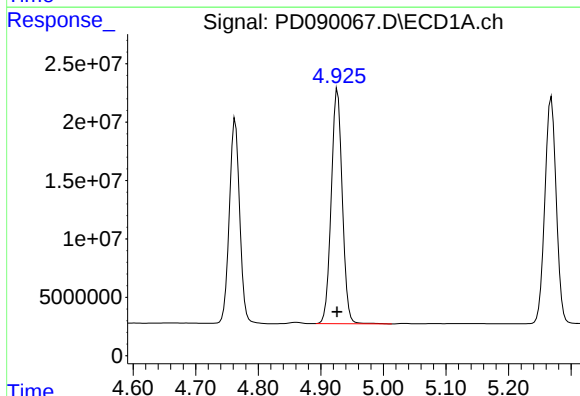
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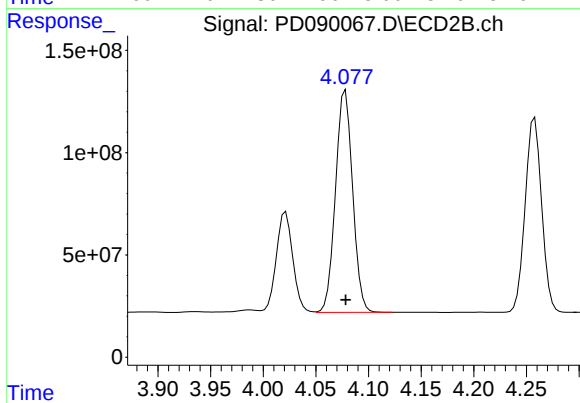
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1243873549
Conc: 39.91 ng/ml



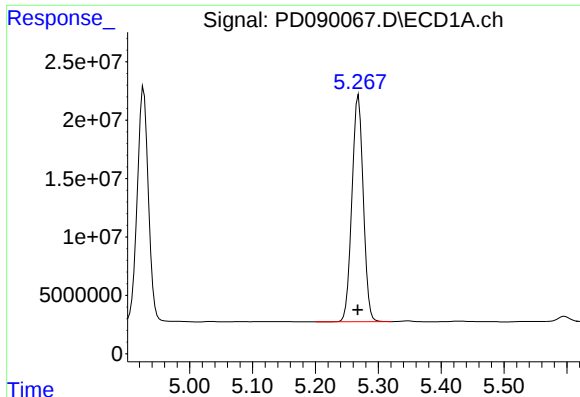
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 246258576
Conc: 43.90 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1229793685
Conc: 39.43 ng/ml



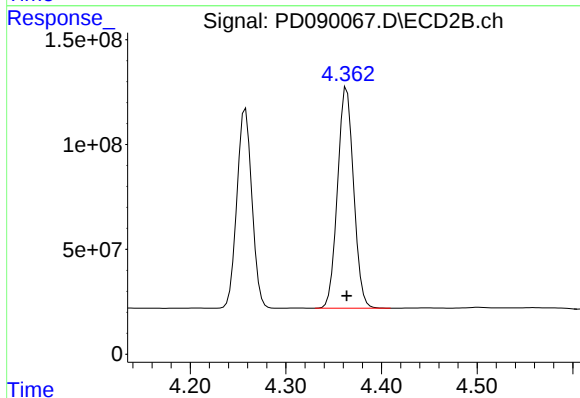
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 242788570
Conc: 44.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

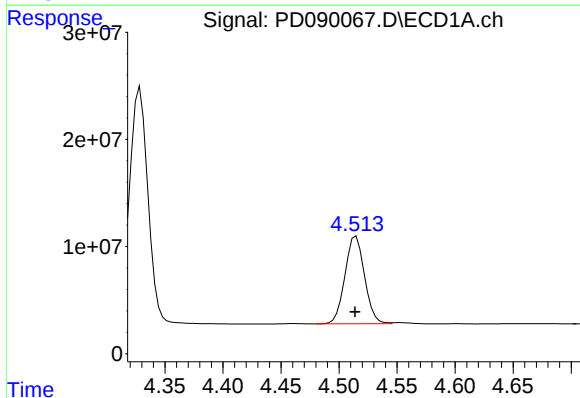
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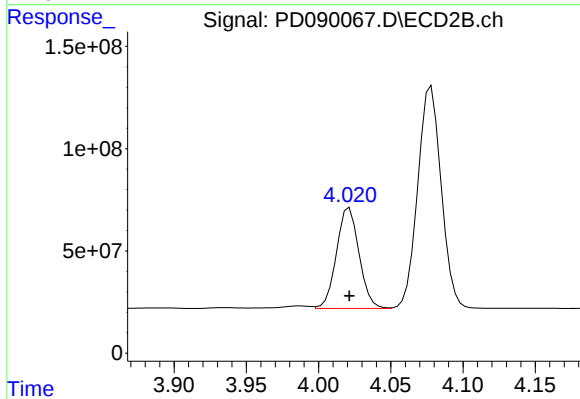
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1231204795
Conc: 40.43 ng/ml



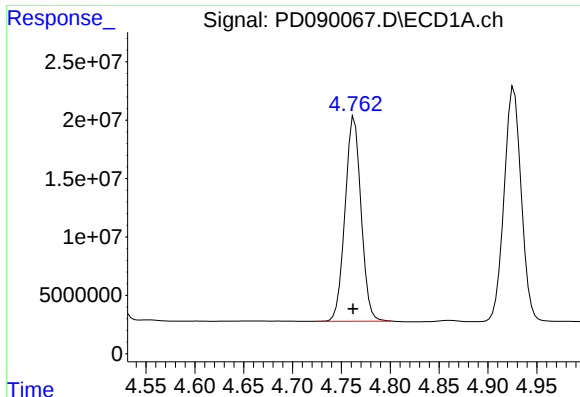
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 96063054
Conc: 42.83 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 534028797
Conc: 40.06 ng/ml



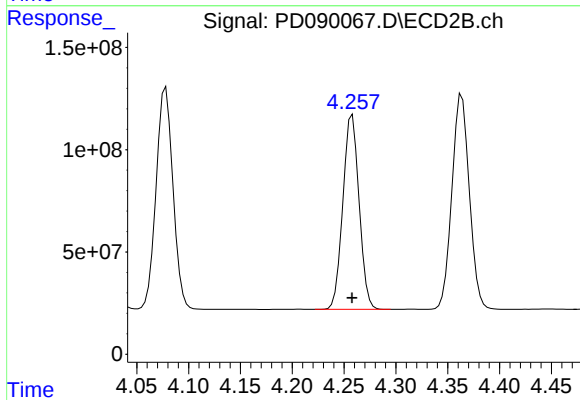
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 200099565
Conc: 38.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

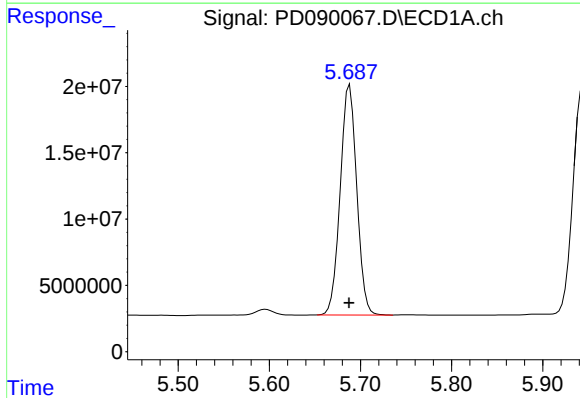
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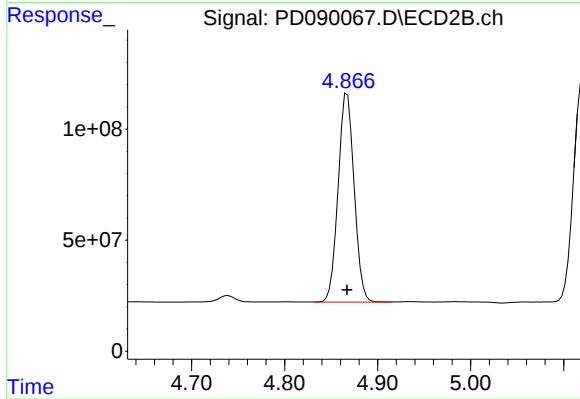
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1034310855
Conc: 32.78 ng/ml



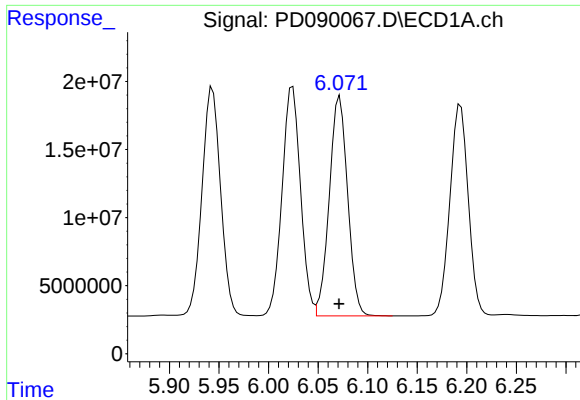
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 218763942
Conc: 44.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1126228477
Conc: 40.67 ng/ml



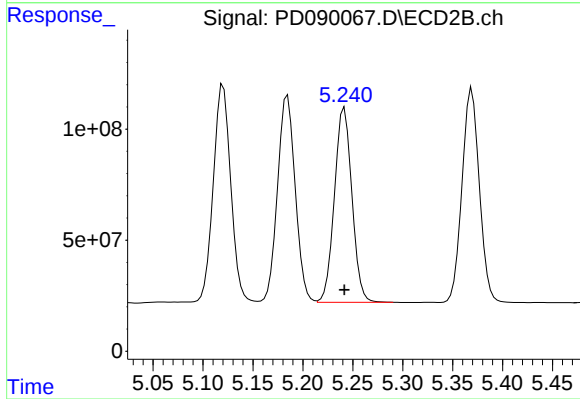
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 207772774
Conc: 45.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

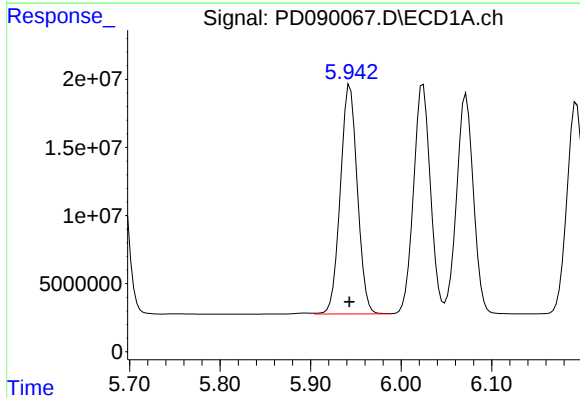
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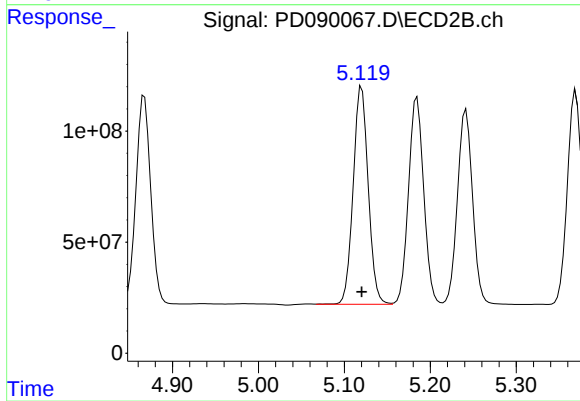
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1068538378
Conc: 40.75 ng/ml



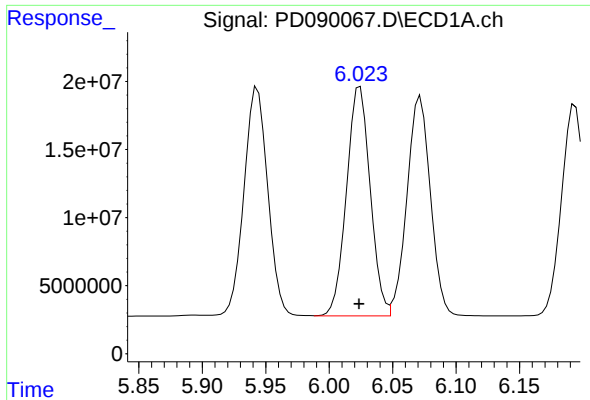
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 219637735
Conc: 44.91 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1194965319
Conc: 40.36 ng/ml



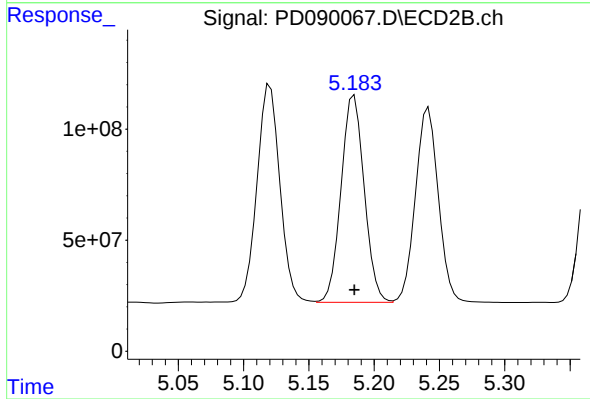
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 218760323
Conc: 44.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

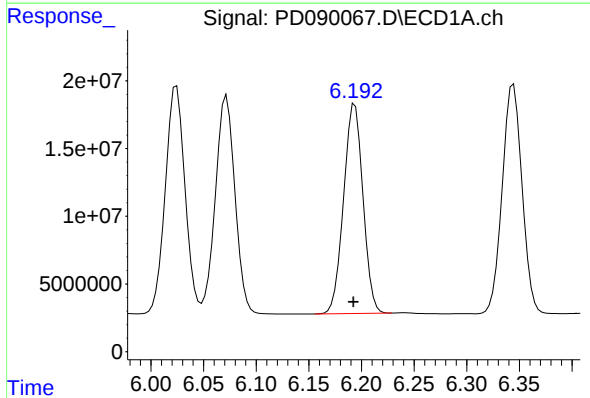
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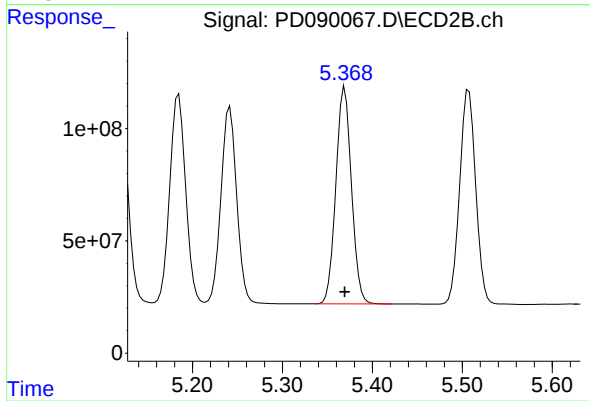
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1148992610
Conc: 40.26 ng/ml



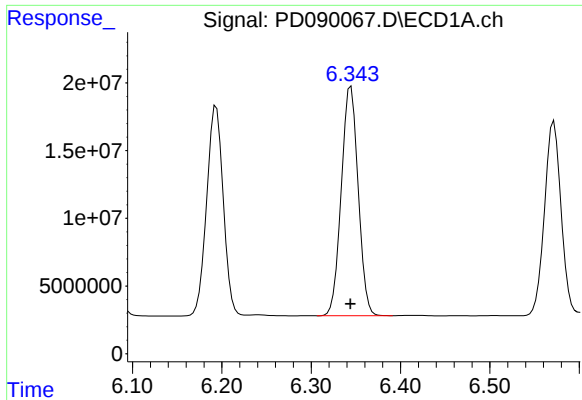
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 198921016
Conc: 45.33 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1163852417
Conc: 40.38 ng/ml



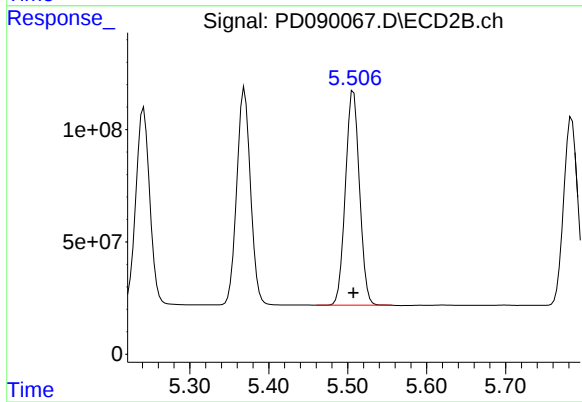
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 222288786
Conc: 45.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

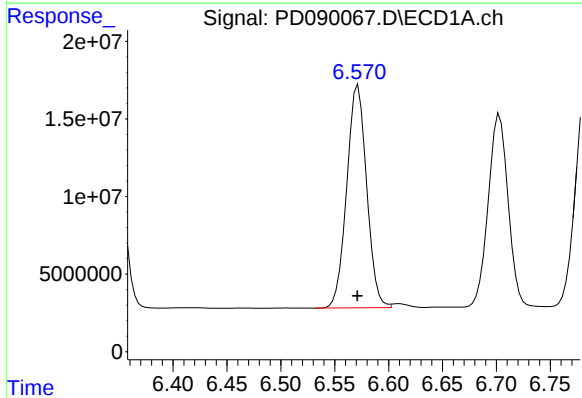
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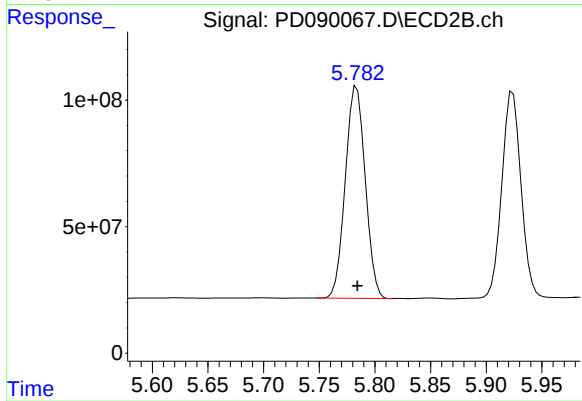
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1183160151
Conc: 40.40 ng/ml



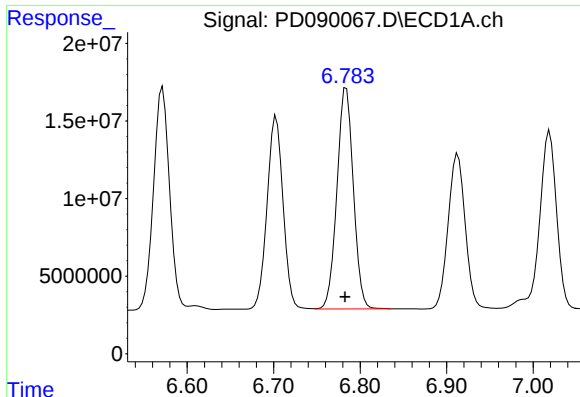
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 184929582
Conc: 44.63 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1045437906
Conc: 39.25 ng/ml



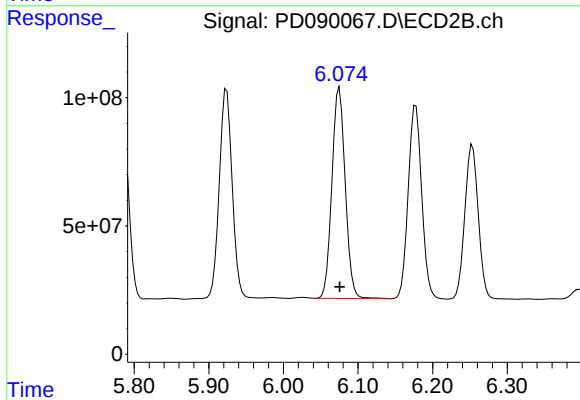
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.001 min
Response: 186360283
Conc: 44.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

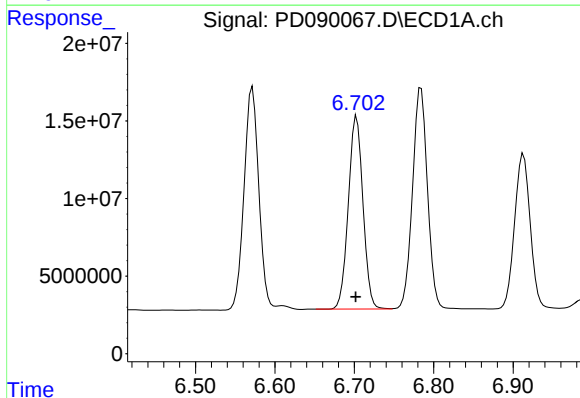
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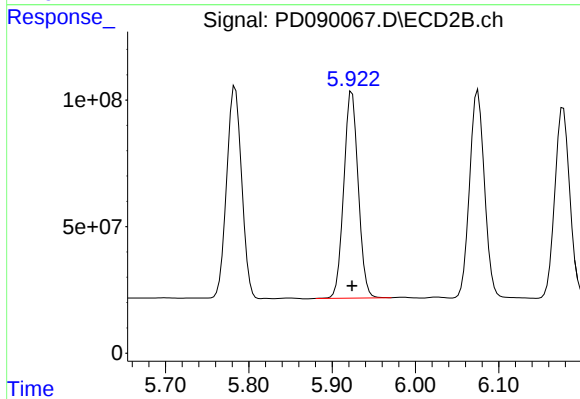
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1022756339
Conc: 40.43 ng/ml



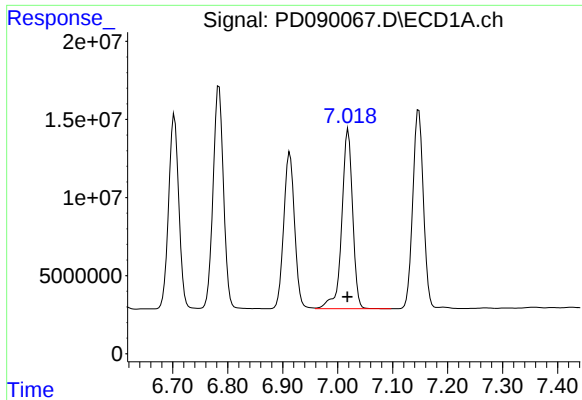
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.001 min
Response: 159288566
Conc: 46.05 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 981001248
Conc: 40.80 ng/ml



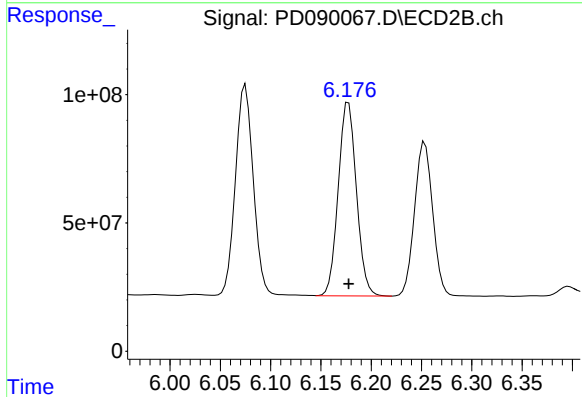
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 158065996
Conc: 41.49 ng/ml

Instrument :
ECD_D
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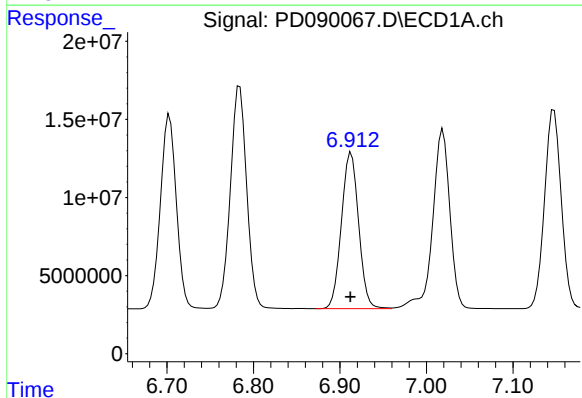
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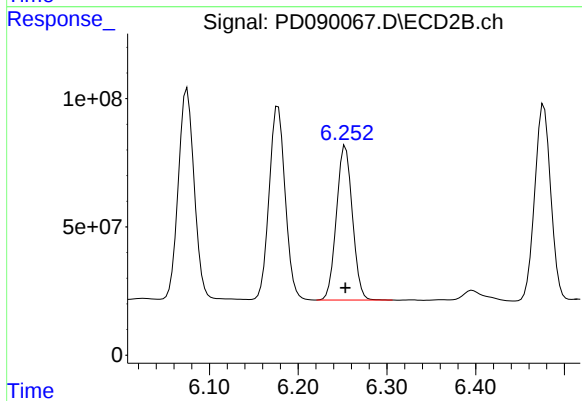
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 948018461
Conc: 37.82 ng/ml



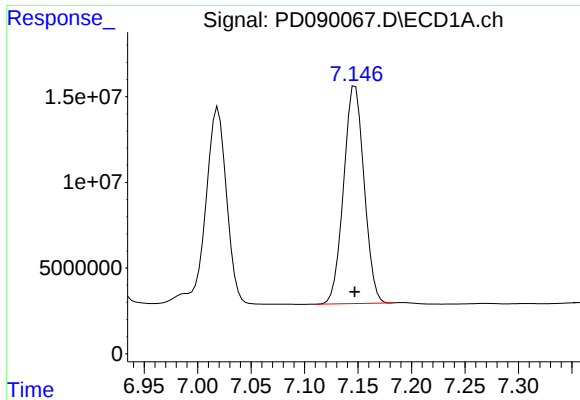
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 137144474
Conc: 47.83 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 751578992
Conc: 43.65 ng/ml



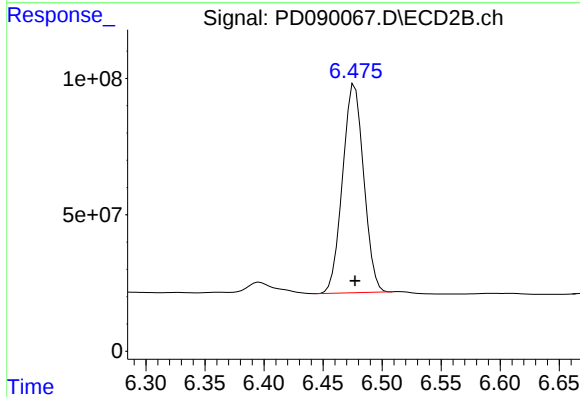
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 169374368
Conc: 43.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

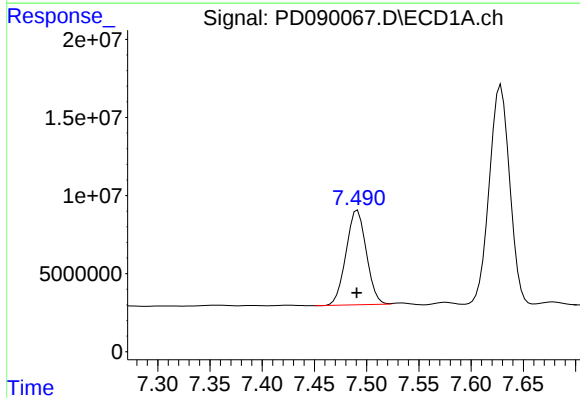
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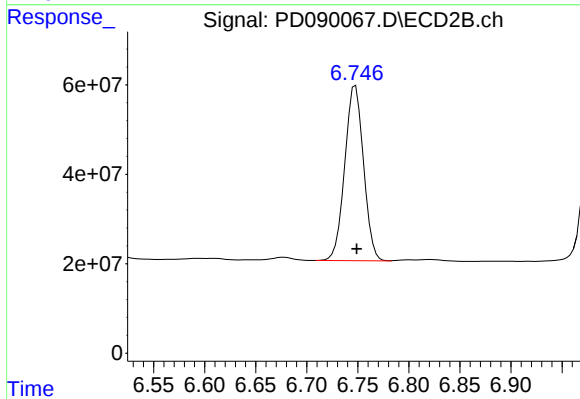
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 953394345
Conc: 39.11 ng/ml



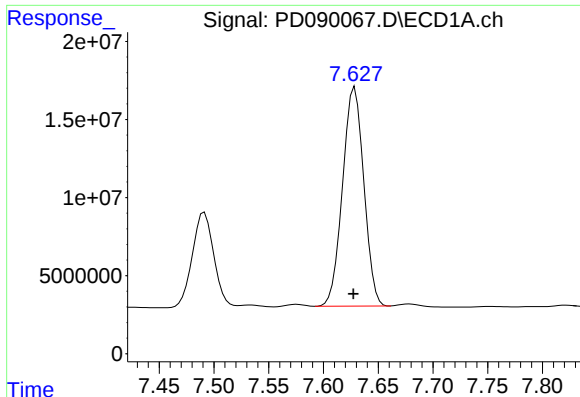
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 81709104
Conc: 40.74 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.001 min
Response: 500805320
Conc: 38.83 ng/ml



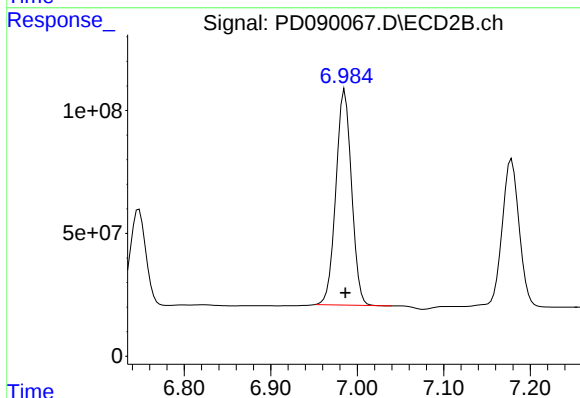
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.001 min
Response: 189623174
Conc: 45.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

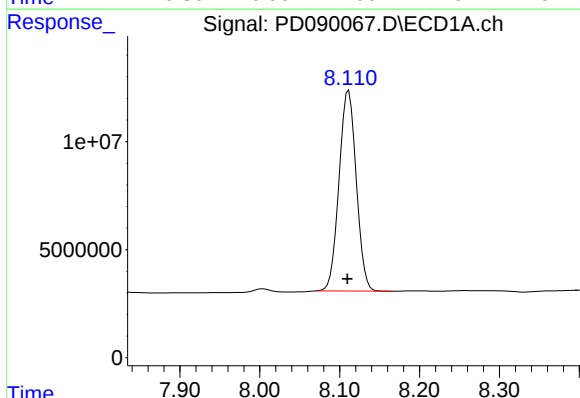
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/29/2025
Supervised By :mohammad ahmed 08/30/2025



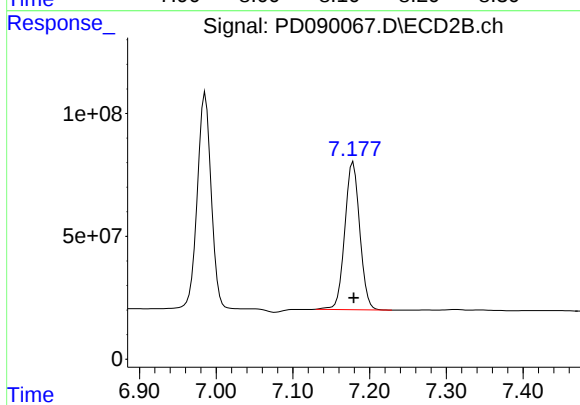
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1095562389
Conc: 41.12 ng/ml



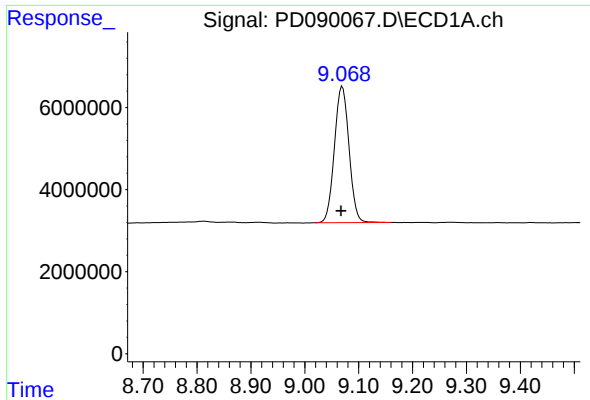
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.002 min
Response: 139238924
Conc: 44.14 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 818649913
Conc: 39.63 ng/ml



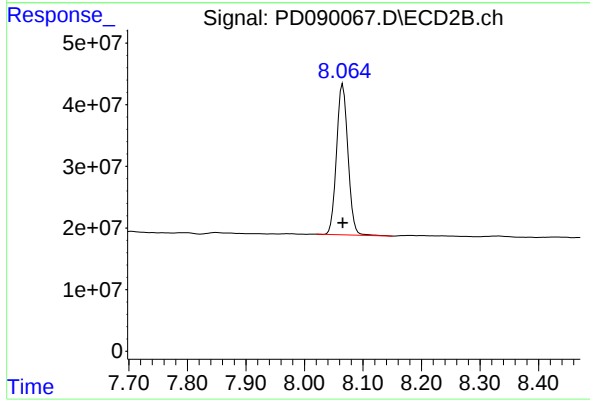
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 62497236
Conc: 14.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP6MS

Manual Integrations
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Supervised By :mohammad ahmed 08/30/2025



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 330938260
Conc: 12.78 ng/ml