

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090197.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 16:54
 Operator : AR\AJ
 Sample : Q3015-09
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WP0925-PT-PEST-WP

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/09/2025
 Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:05 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...	3.548	2.878	55158308	450.6E6	18.794m	20.435
28)	SA Decachlor...	9.068	8.064	76791054	415.9E6	17.792	16.066
Target Compounds							
2)	A alpha-BHC	3.999	3.396	14164.9E6	29455.4E6	2359.943	867.897 #
3)	MA gamma-BHC...	4.330	3.730	11626.8E6	25935.5E6	2030.233	832.047 #
4)	MA Heptachlor	4.927	4.078	3548.2E6	14048.9E6	632.579	450.406 #
5)	MB Aldrin	5.268	4.363	966.7E6	4851.7E6	178.530	159.304
6)	B beta-BHC	4.515	4.019	3211.3E6	11832.8E6	1431.689	887.671 #
7)	B delta-BHC	4.763	4.256	9129.8E6	25975.5E6	1763.282	823.318 #
8)	B Heptachlo...	5.688	4.866	2662.3E6	11300.6E6	542.577	408.039
9)	A Endosulfan I	6.072	5.241	7756.2E6	22633.8E6	1680.692	863.168 #
10)	B gamma-Chl...	5.943	5.116	4350.2E6	16490.7E6	889.423	556.906 #
11)	B alpha-Chl...	6.024	5.183	3195.7E6	11396.2E6	649.210	399.333 #
12)	B 4,4'-DDE	6.193	5.369	4580.8E6	17338.5E6	1043.874	601.557 #
13)	MA Dieldrin	6.344	5.503	3654.9E6	11618.8E6	746.544	396.721 #
14)	MA Endrin	6.571	5.782	2560.2E6	11183.3E6	617.882	419.916 #
15)	B Endosulfa...	6.784	6.074	5748.8E6	18388.2E6	1362.359	726.960 #
16)	A 4,4'-DDD	6.702	5.923	3385.7E6	16698.4E6	978.780	694.502 #
17)	MA 4,4'-DDT	7.016	6.176	614.1E6	4131.9E6	161.199m	164.818
18)	B Endrin al...	6.912	6.254	4498.8E6	13981.3E6	1569.072	811.923 #
19)	B Endosulfa...	7.147	6.476	4810.8E6	15767.1E6	1227.704	646.735 #
20)	A Methoxychlor	7.491	6.747	1415.5E6	6612.9E6	705.775	512.799 #
21)	B Endrin ke...	7.628	6.985	4429.5E6	13859.5E6	1068.770	520.164 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090197.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 16:54
Operator : AR\AJ
Sample : Q3015-09
Misc :
ALS Vial : 15 Sample Multiplier: 1

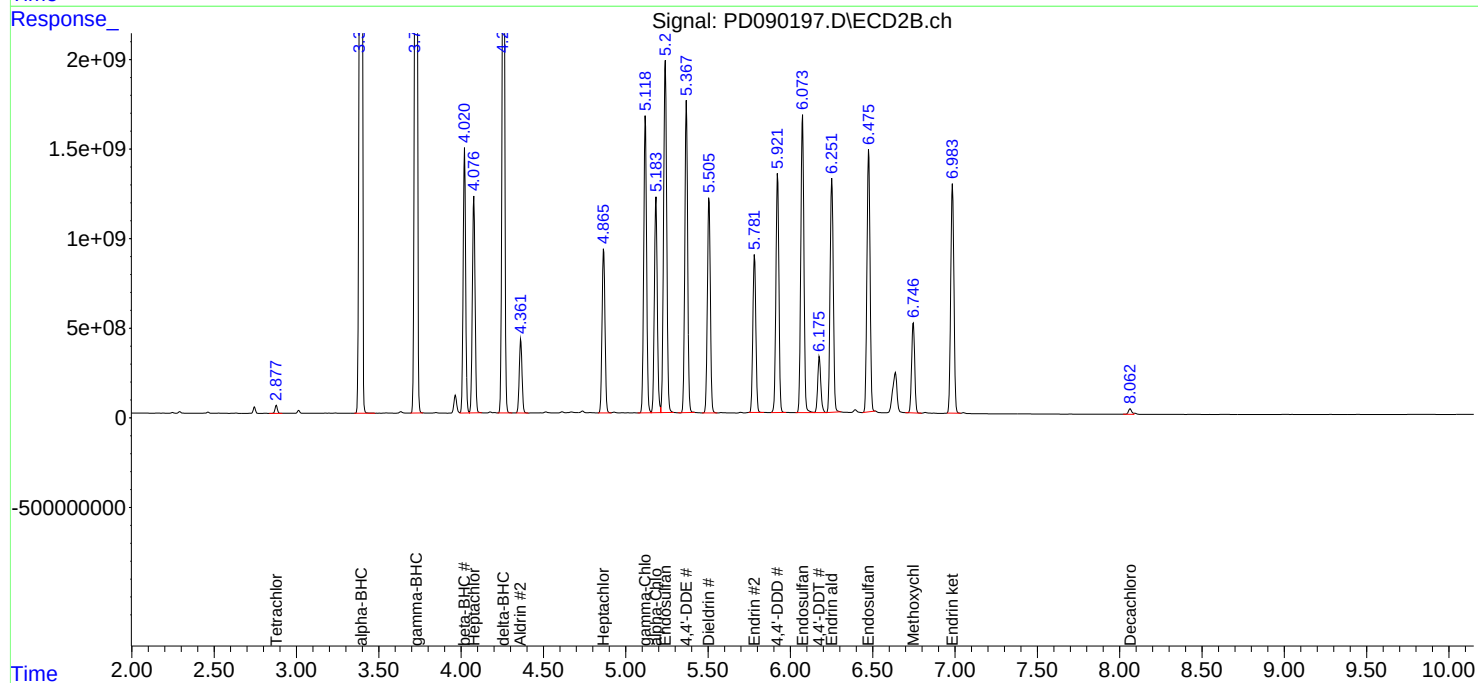
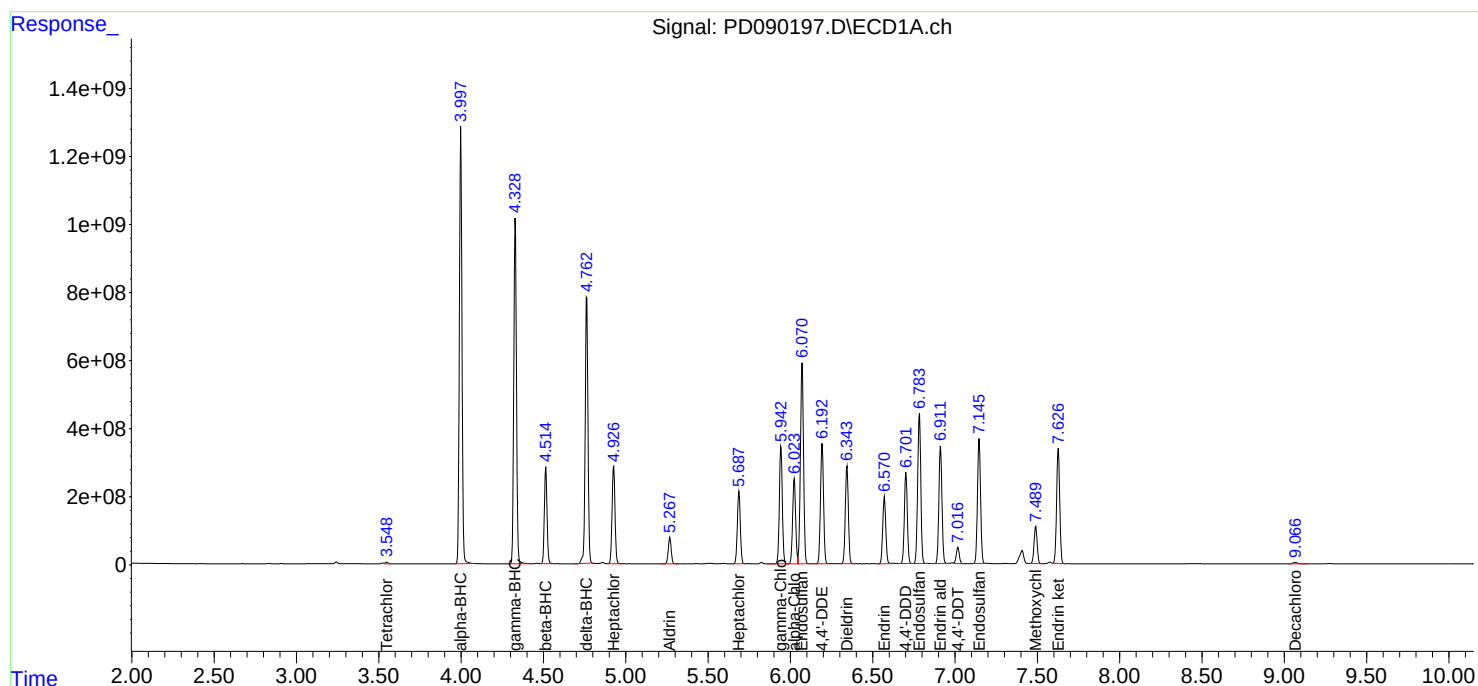
Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

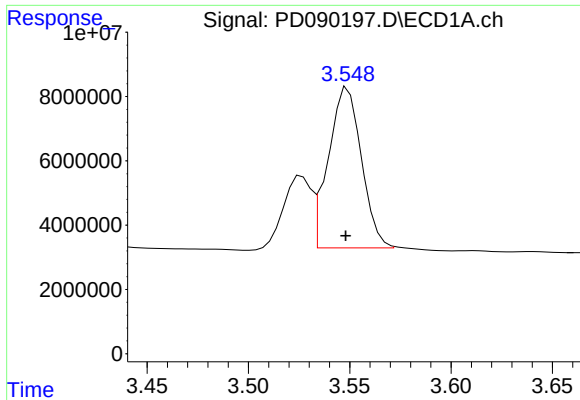
Manual Integrations
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Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:05 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





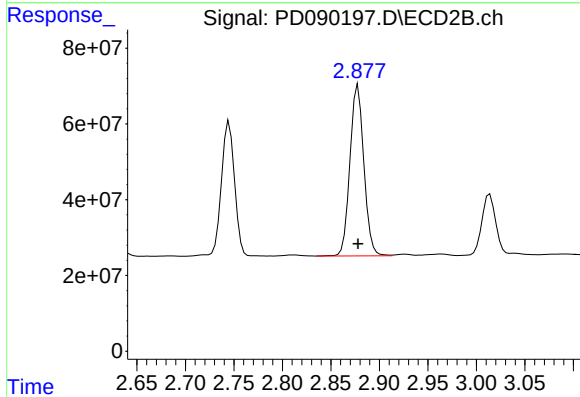
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 55158308
Conc: 18.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
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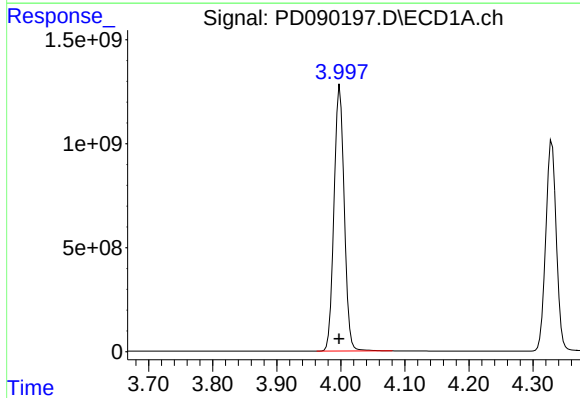
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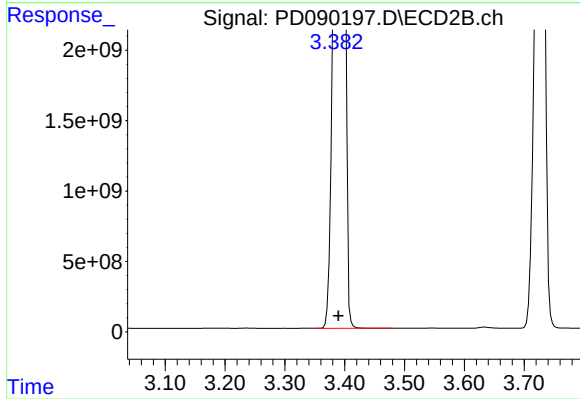
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 450611369
Conc: 20.44 ng/ml



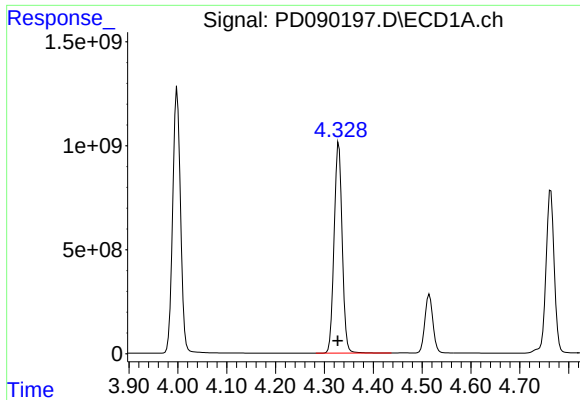
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 14164914722
Conc: 2359.94 ng/ml



#2 alpha-BHC

R.T.: 3.396 min
Delta R.T.: 0.006 min
Response: 29455404166
Conc: 867.90 ng/ml



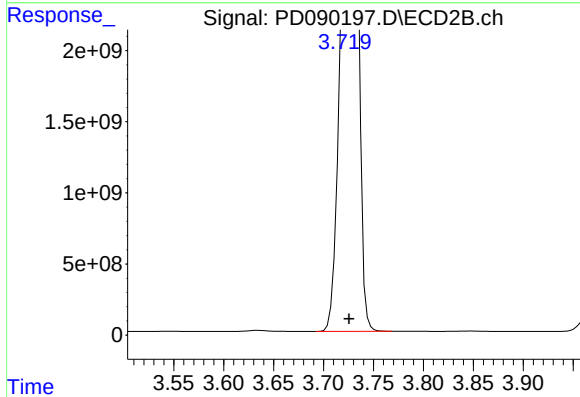
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 11626822357
Conc: 2030.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
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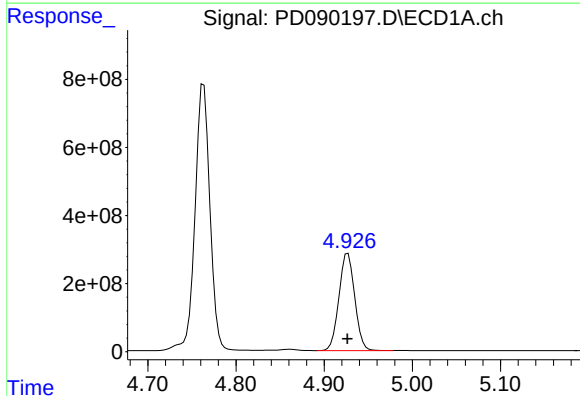
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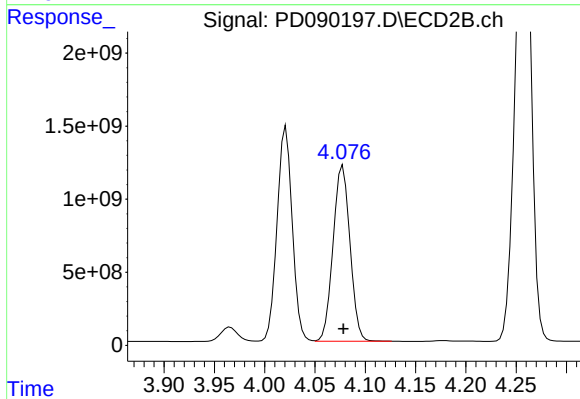
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.004 min
Response: 25935493878
Conc: 832.05 ng/ml



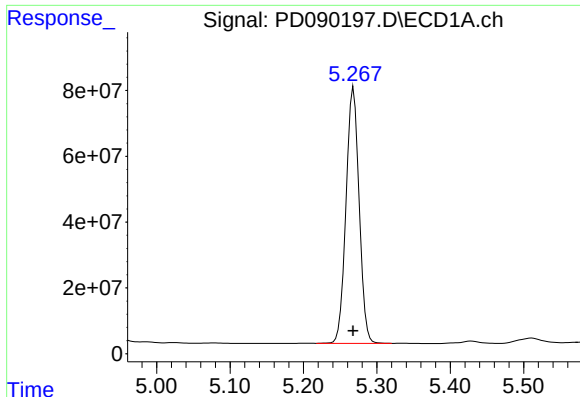
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 3548243821
Conc: 632.58 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 14048886046
Conc: 450.41 ng/ml



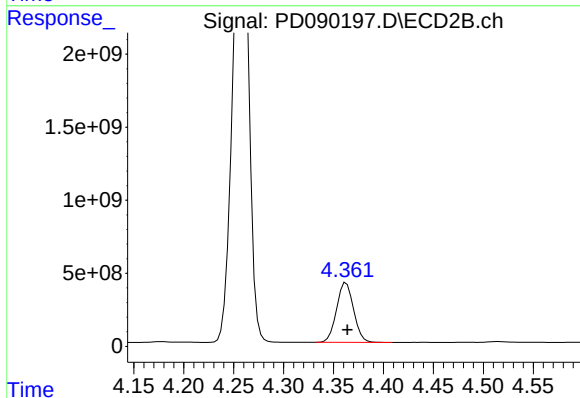
#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.000 min
Response: 966654594
Conc: 178.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
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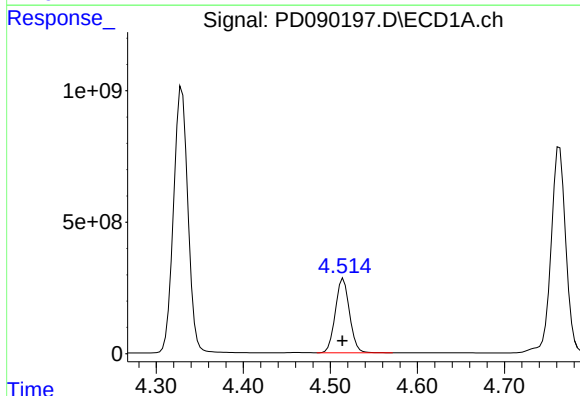
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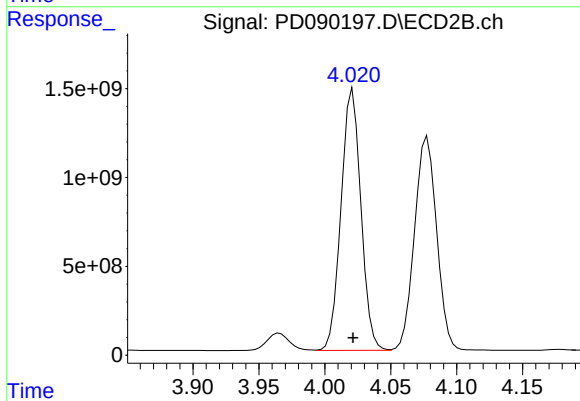
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.001 min
Response: 4851721859
Conc: 159.30 ng/ml



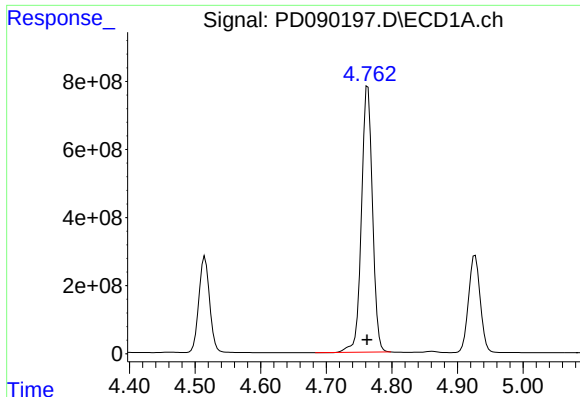
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 3211310606
Conc: 1431.69 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.002 min
Response: 11832811286
Conc: 887.67 ng/ml



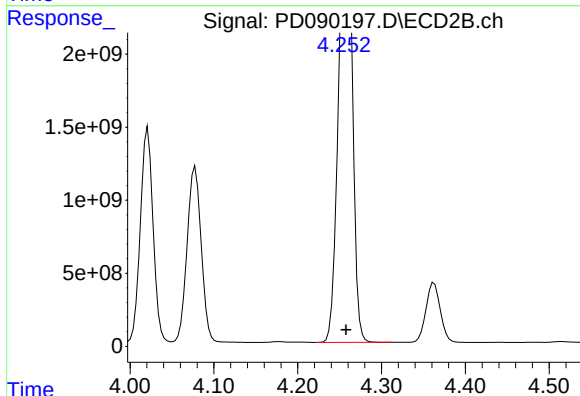
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 9129757484
Conc: 1763.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

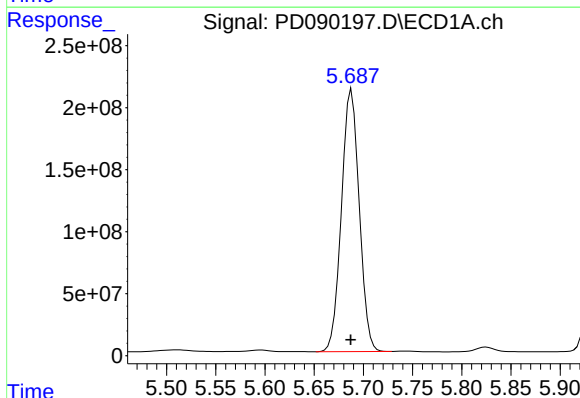
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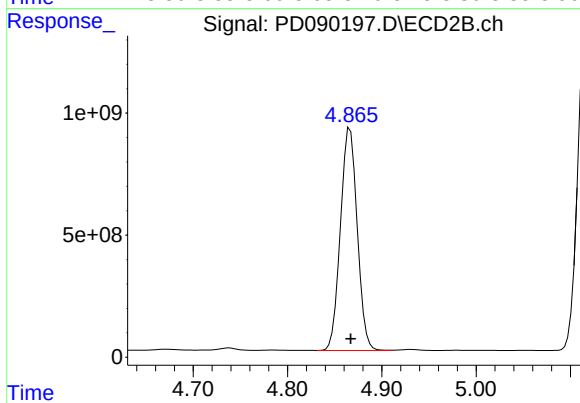
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: -0.002 min
Response: 25975520093
Conc: 823.32 ng/ml



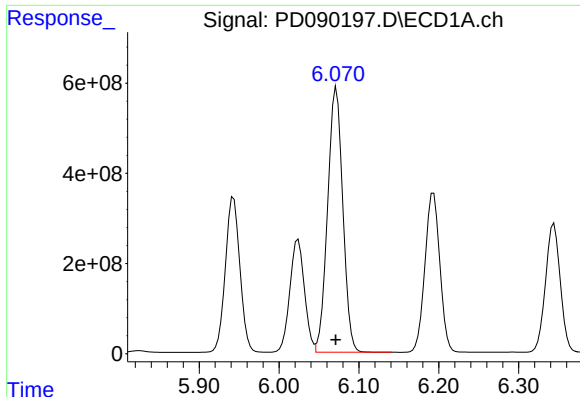
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.000 min
Response: 2662315974
Conc: 542.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.866 min
Delta R.T.: 0.000 min
Response: 11300559213
Conc: 408.04 ng/ml



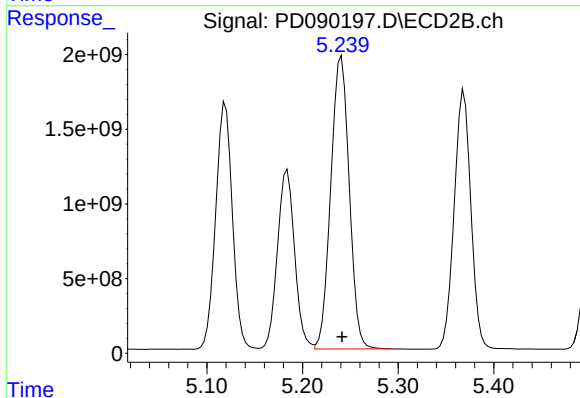
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 7756192039
Conc: 1680.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

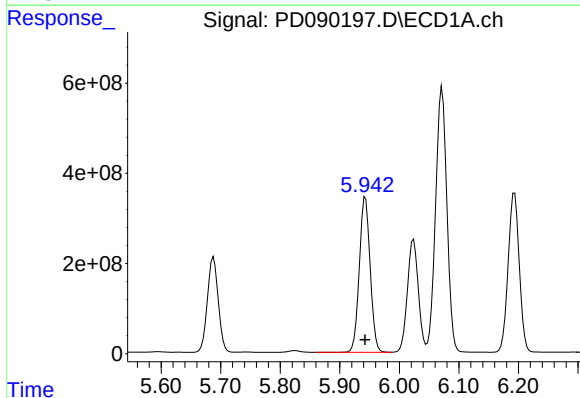
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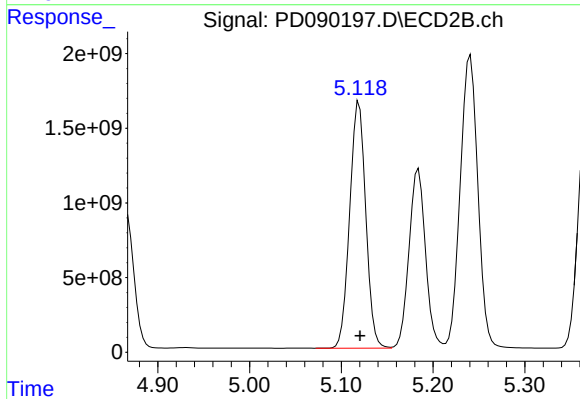
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 22633801108
Conc: 863.17 ng/ml



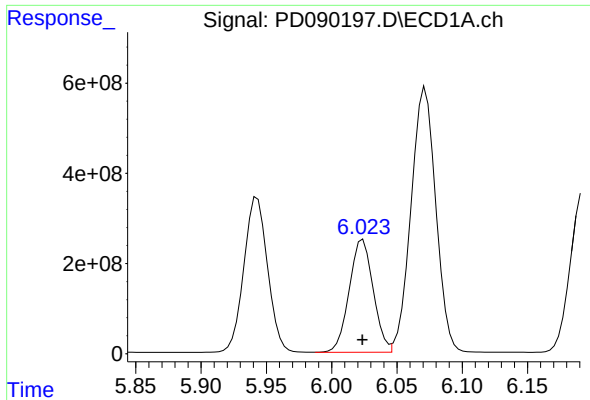
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 4350151862
Conc: 889.42 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.004 min
Response: 16490698085
Conc: 556.91 ng/ml



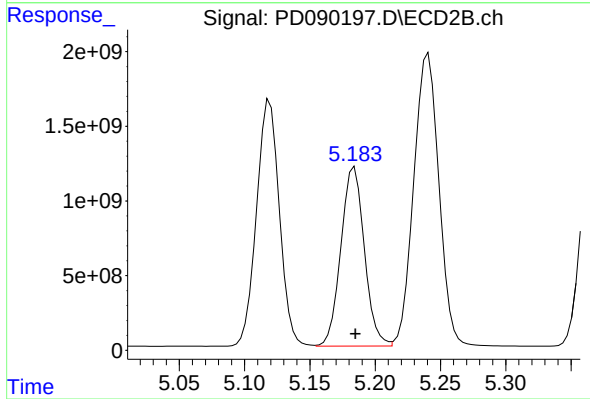
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 3195682211
Conc: 649.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

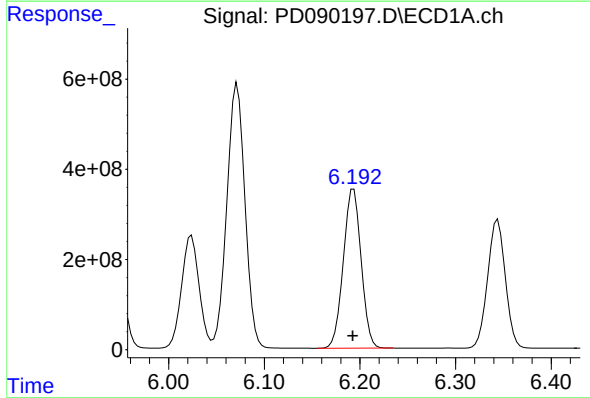
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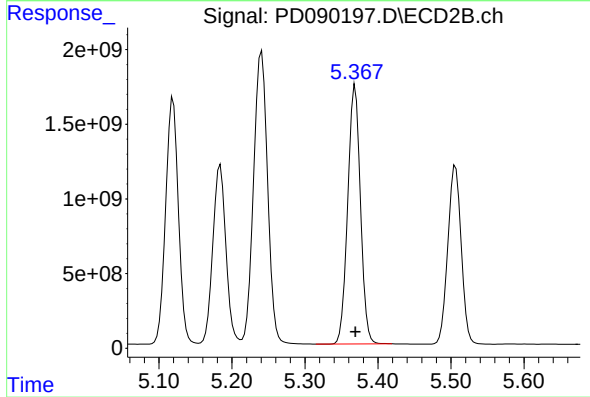
#11 alpha-Chlordane

R.T.: 5.183 min
Delta R.T.: -0.002 min
Response: 11396204918
Conc: 399.33 ng/ml



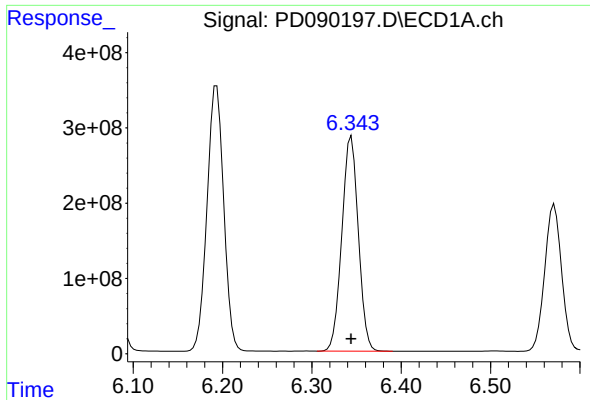
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 4580844500
Conc: 1043.87 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 17338531951
Conc: 601.56 ng/ml



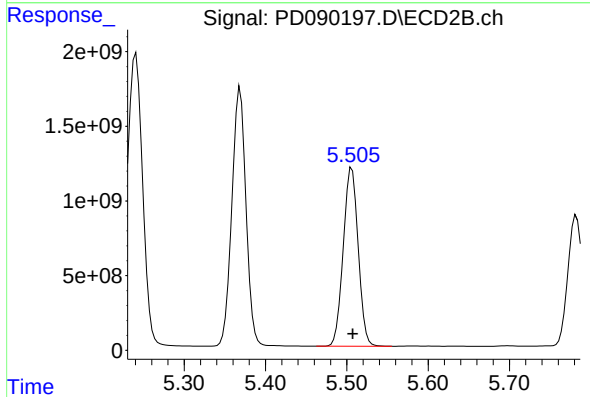
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.000 min
Response: 3654903012
Conc: 746.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

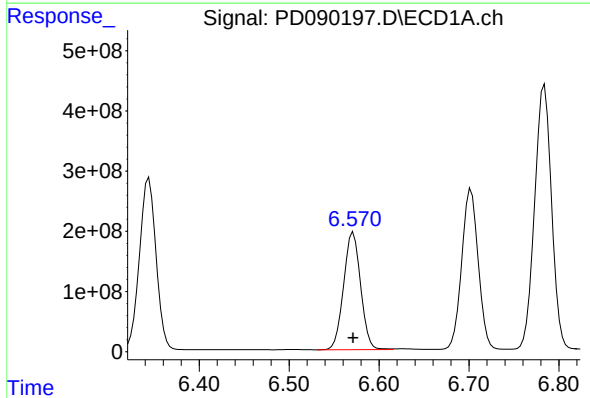
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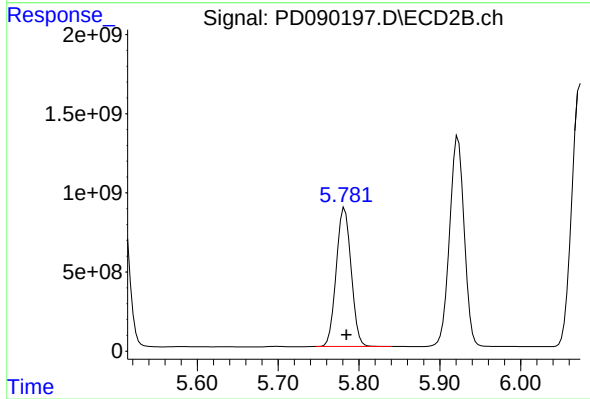
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.004 min
Response: 11618823457
Conc: 396.72 ng/ml



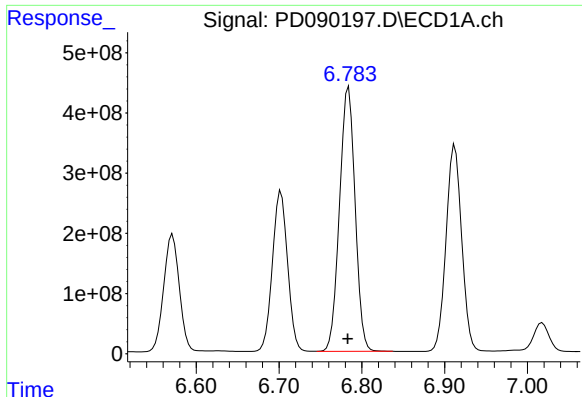
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.000 min
Response: 2560240626
Conc: 617.88 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 11183280959
Conc: 419.92 ng/ml



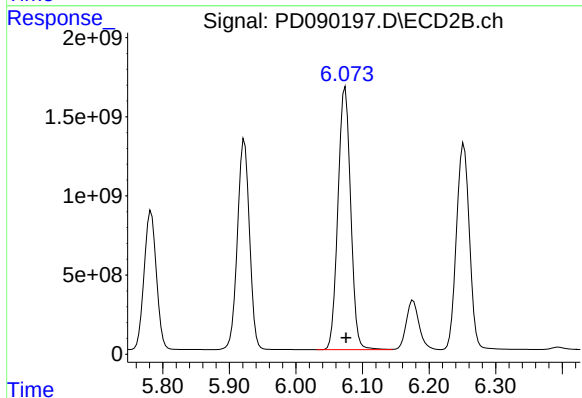
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.001 min
Response: 5748778000
Conc: 1362.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

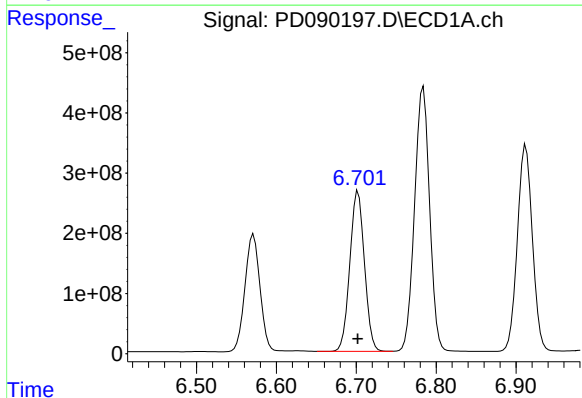
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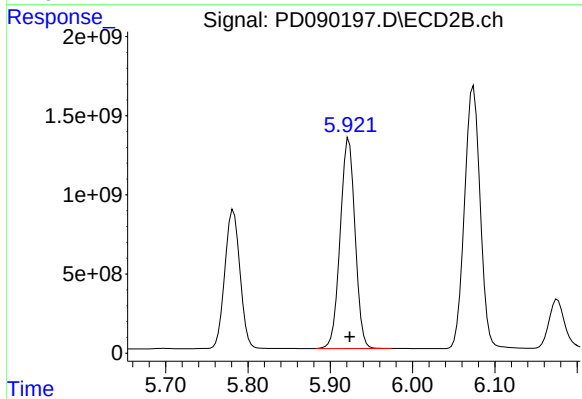
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 18388168118
Conc: 726.96 ng/ml



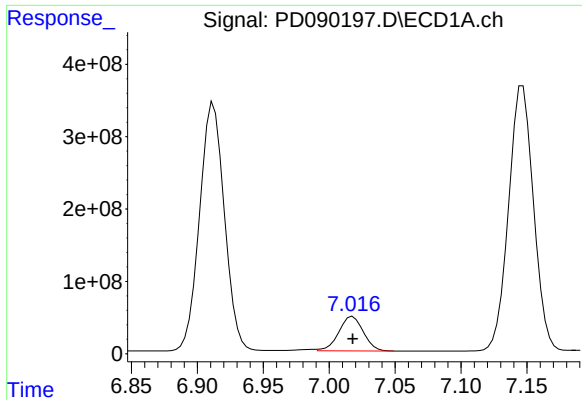
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 3385705344
Conc: 978.78 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 16698402955
Conc: 694.50 ng/ml



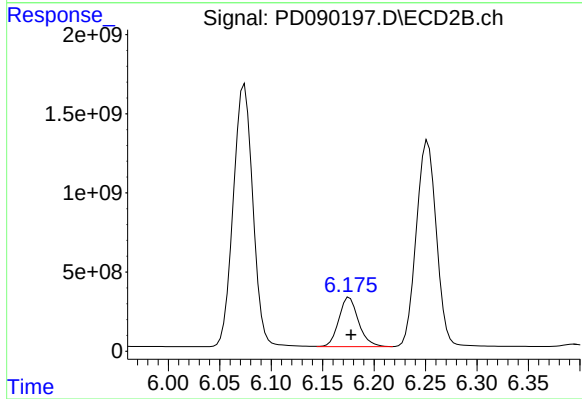
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.001 min
Response: 614126382
Conc: 161.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

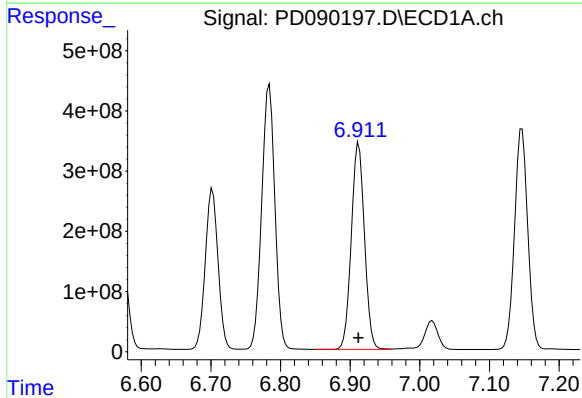
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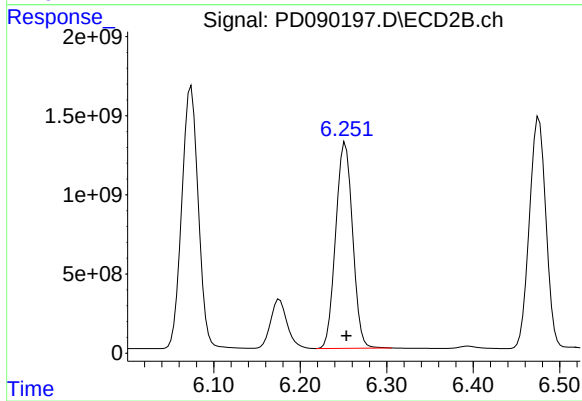
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.002 min
Response: 4131934358
Conc: 164.82 ng/ml



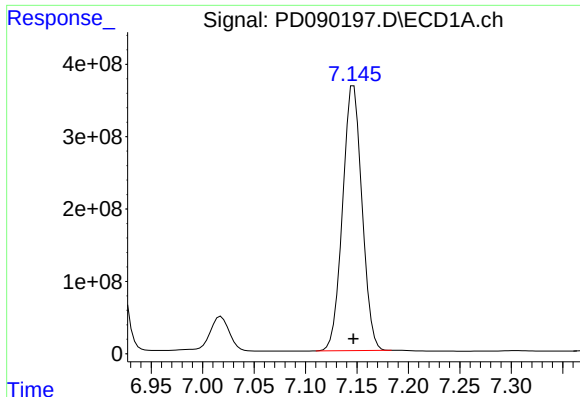
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: 0.000 min
Response: 4498774306
Conc: 1569.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 13981260744
Conc: 811.92 ng/ml



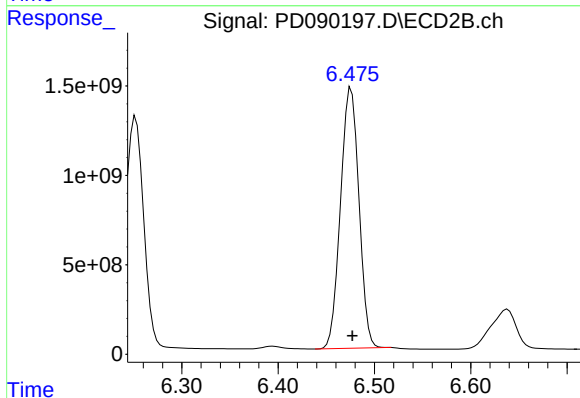
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 4810751406
Conc: 1227.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
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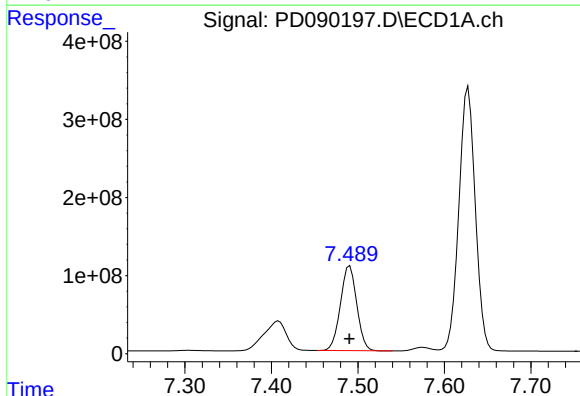
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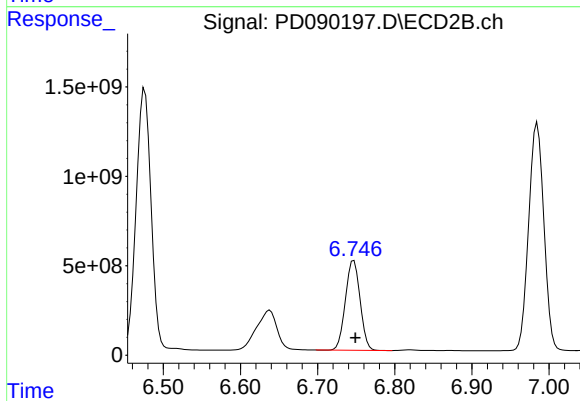
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 15767095109
Conc: 646.73 ng/ml



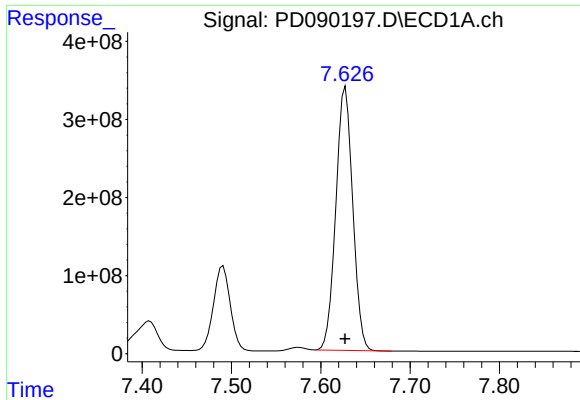
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 1415515628
Conc: 705.78 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 6612936355
Conc: 512.80 ng/ml



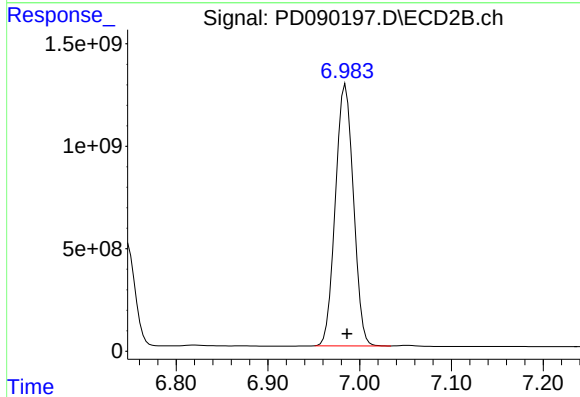
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 4429548483
Conc: 1068.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
WP0925-PT-PEST-WP

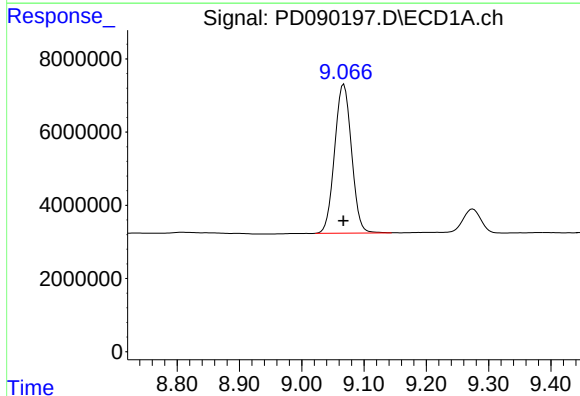
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/09/2025
Supervised By :mohammad ahmed 09/10/2025



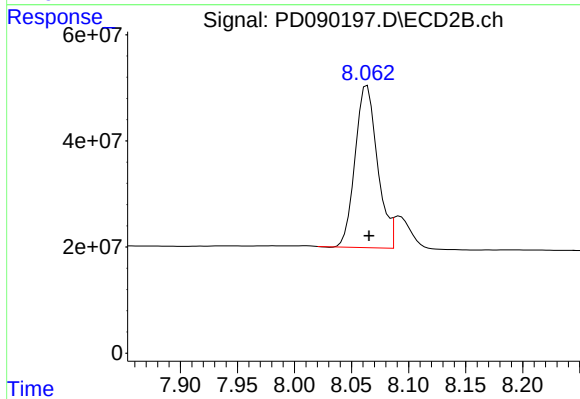
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 13859523742
Conc: 520.16 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 76791054
Conc: 17.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.002 min
Response: 415875887
Conc: 16.07 ng/ml