

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090188.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 14:30
 Operator : AR\AJ
 Sample : Q3023-04MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-2MSD

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 01:41:39 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	2.877	53237127	424.9E6	18.140m	19.268m
28)	SA Decachlor...	9.068	8.063	61146126	376.6E6	14.168	14.549
Target Compounds							
2)	A alpha-BHC	3.998	3.388	316.4E6	1752.9E6	52.719	51.649m
3)	MA gamma-BHC...	4.329	3.726	309.6E6	1620.1E6	54.065	51.974
4)	MA Heptachlor	4.927	4.078	288.0E6	1593.8E6	51.347	51.096
5)	MB Aldrin	5.269	4.364	286.0E6	1580.4E6	52.824	51.893
6)	B beta-BHC	4.515	4.021	118.9E6	705.7E6	53.020	52.941
7)	B delta-BHC	4.764	4.258	239.3E6	1339.7E6	46.226	42.463
8)	B Heptachlo...	5.688	4.867	257.5E6	1420.5E6	52.476	51.292
9)	A Endosulfan I	6.072	5.241	239.7E6	1275.2E6	51.936	48.632
10)	B gamma-Chl...	5.942	5.118	256.4E6	1572.4E6	52.419m	53.100m
11)	B alpha-Chl...	6.025	5.184	261.3E6	1502.7E6	53.074	52.655
12)	B 4,4'-DDE	6.194	5.369	252.4E6	1615.0E6	57.520	56.031
13)	MA Dieldrin	6.345	5.506	266.9E6	1609.8E6	54.526	54.965
14)	MA Endrin	6.572	5.783	211.5E6	1342.1E6	51.042	50.394
15)	B Endosulfa...	6.784	6.073	195.2E6	1317.5E6	46.258	52.087m
16)	A 4,4'-DDD	6.703	5.923	188.1E6	1170.8E6	54.377	48.694
17)	MA 4,4'-DDT	7.018	6.177	222.0E6	1475.6E6	58.284	58.861
18)	B Endrin al...	6.913	6.252	156.5E6	980.3E6	54.588	56.929
19)	B Endosulfa...	7.147	6.476	186.2E6	1253.1E6	47.526	51.399
20)	A Methoxychlor	7.491	6.745	82603441	737.9E6	41.186	57.224m#
21)	B Endrin ke...	7.627	6.984	220.2E6	1261.6E6	53.126	47.348
22)	Mirex	8.109	7.178	141.3E6	906.5E6	44.797m	43.887

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090188.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 14:30
Operator : AR\AJ
Sample : Q3023-04MSD
Misc :
ALS Vial : 8 Sample Multiplier: 1

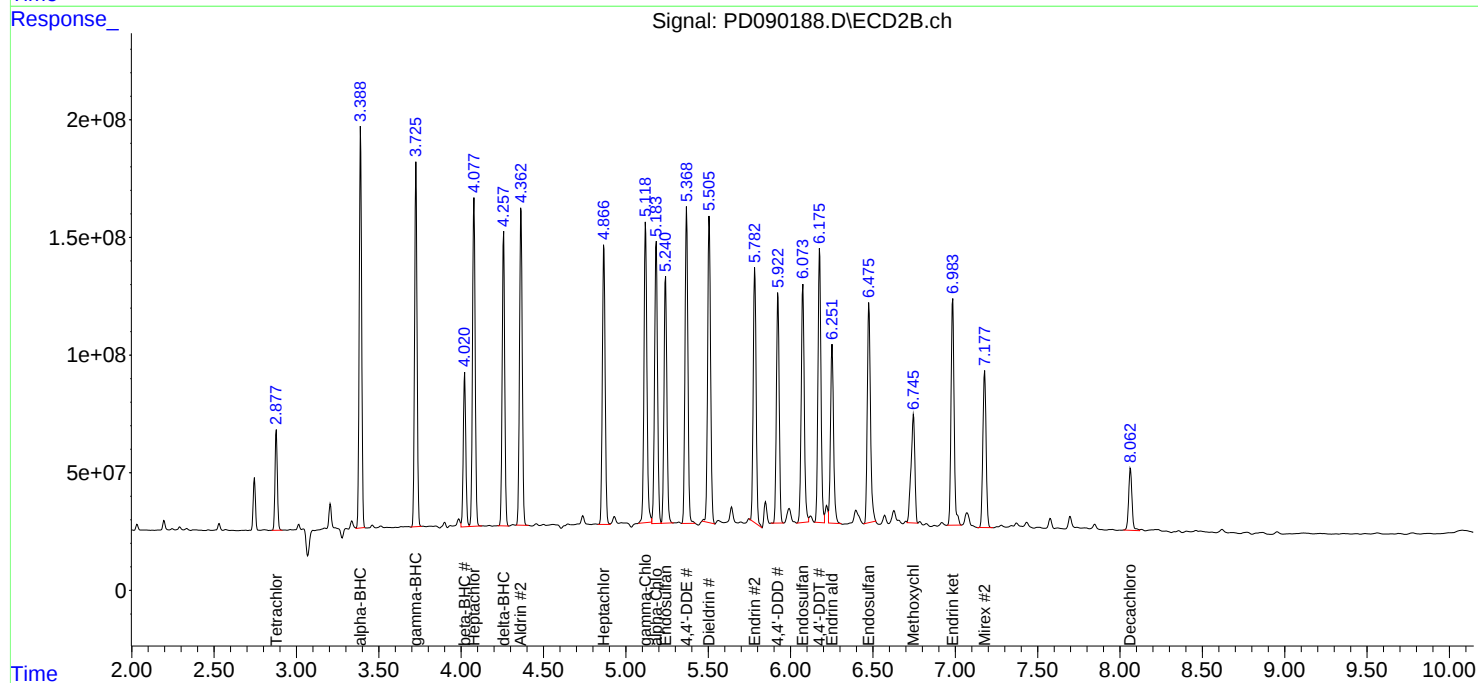
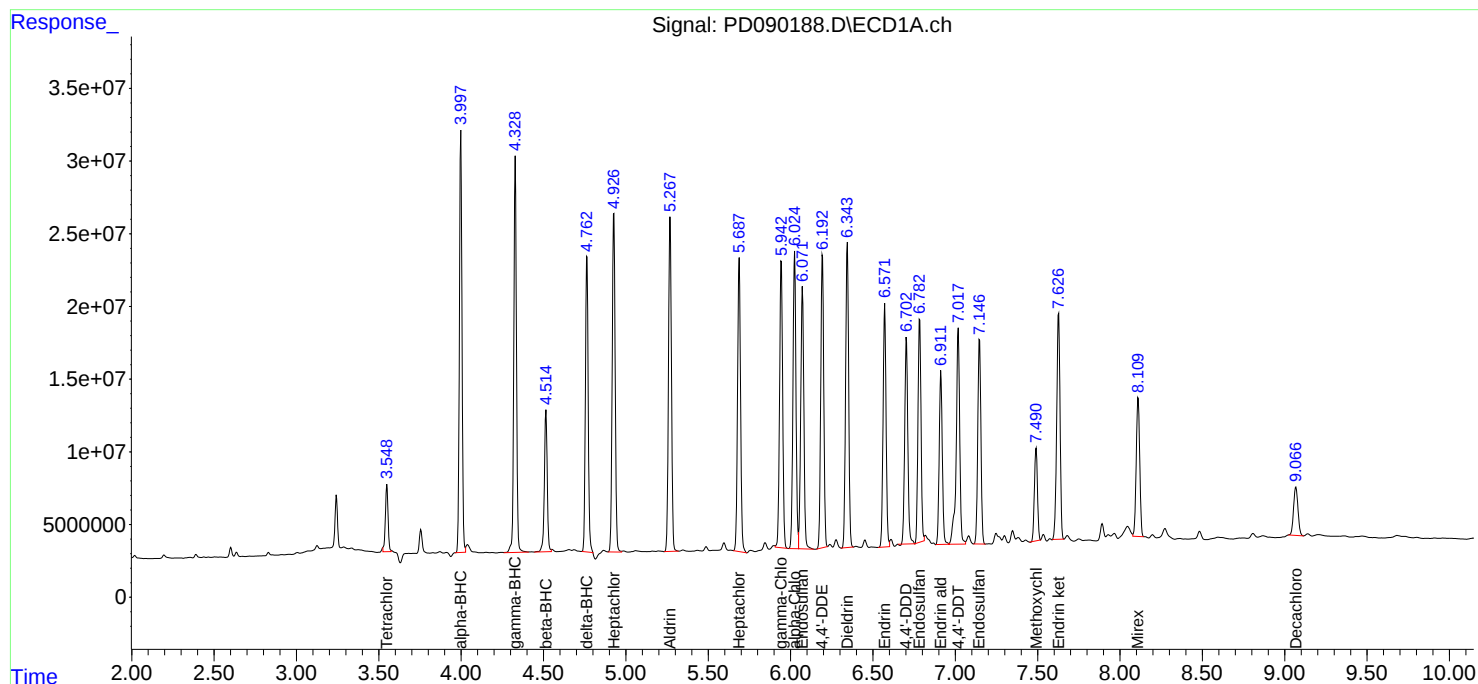
Instrument :
ECD_D
ClientSampleId :
TP-2MSD

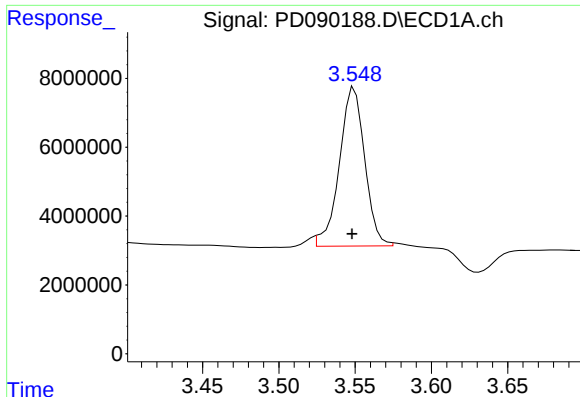
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:41:39 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





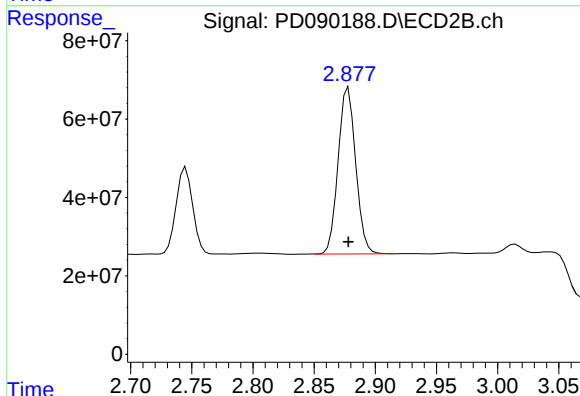
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 53237127
Conc: 18.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

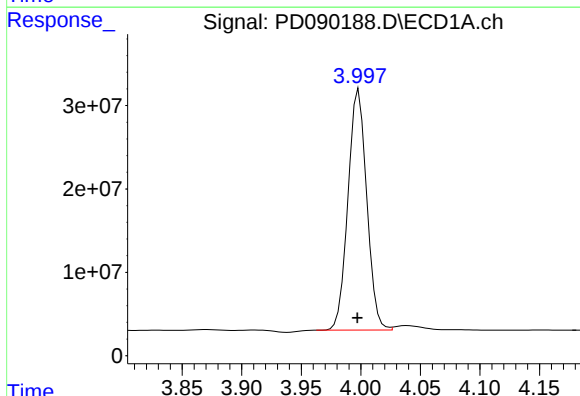
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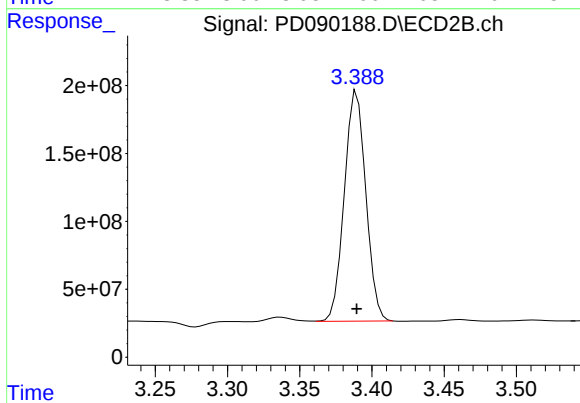
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 424864410
Conc: 19.27 ng/ml m



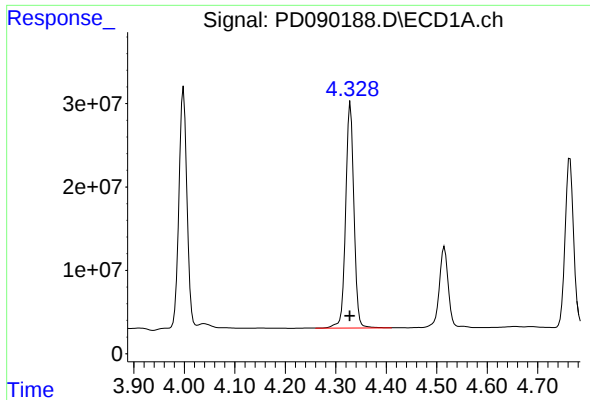
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 316428440
Conc: 52.72 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 1752911642
Conc: 51.65 ng/ml m



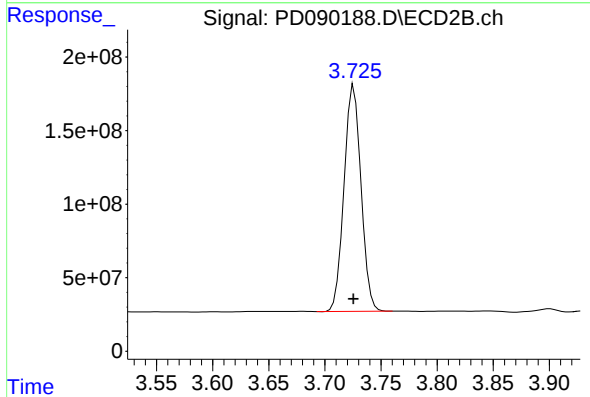
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 309619676
Conc: 54.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

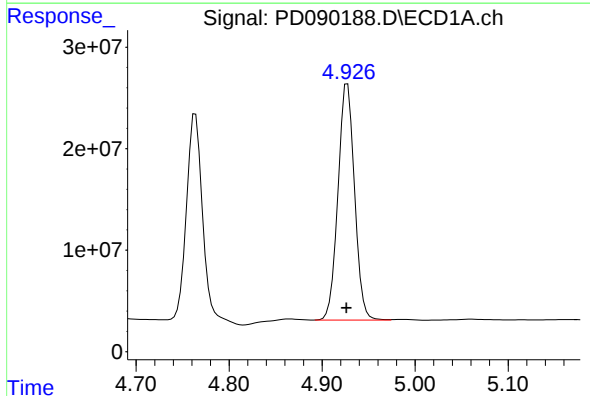
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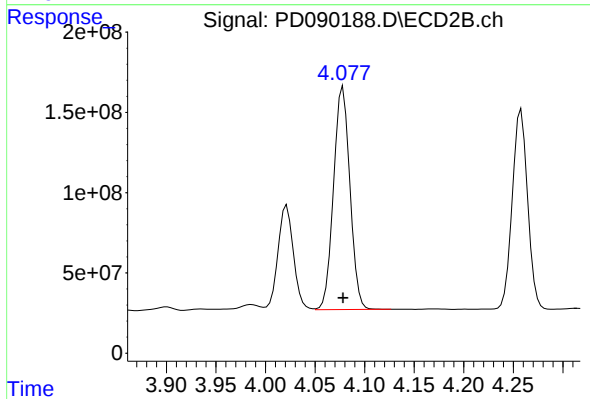
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1620066646
Conc: 51.97 ng/ml



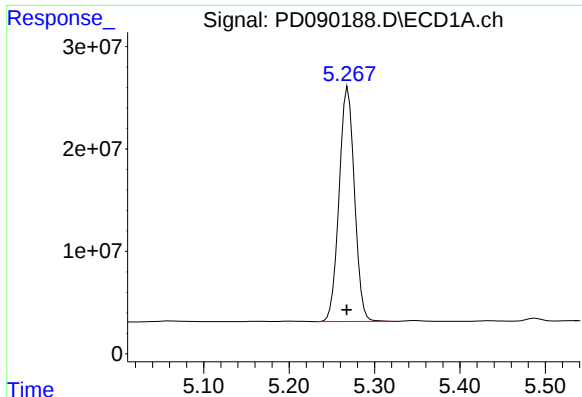
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.001 min
Response: 288016009
Conc: 51.35 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1593762699
Conc: 51.10 ng/ml



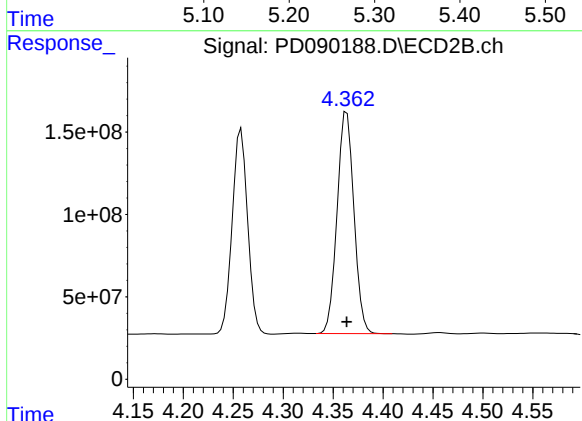
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.001 min
Response: 286017675
Conc: 52.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

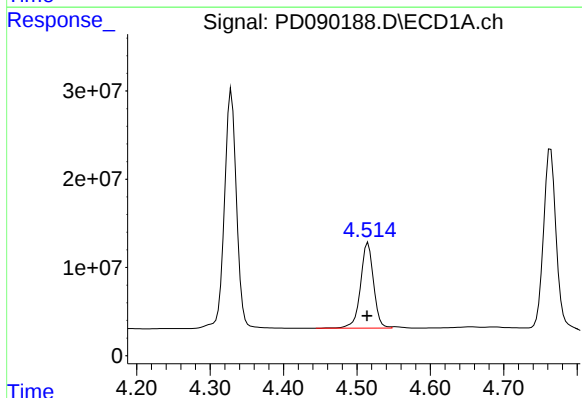
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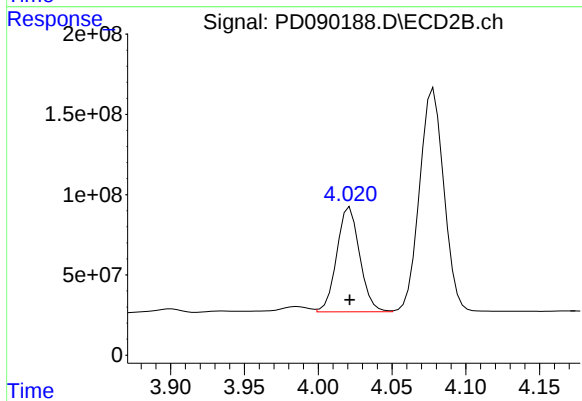
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1580431074
Conc: 51.89 ng/ml



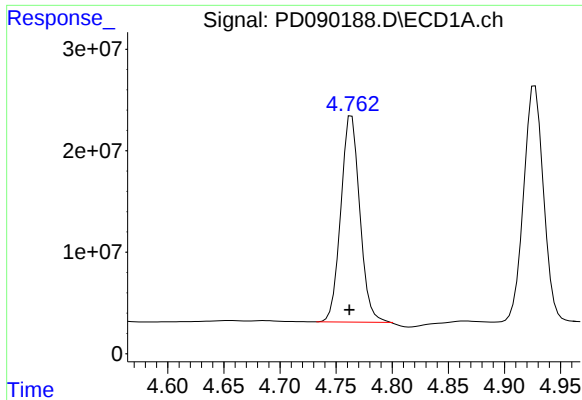
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 118925001
Conc: 53.02 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 705717209
Conc: 52.94 ng/ml



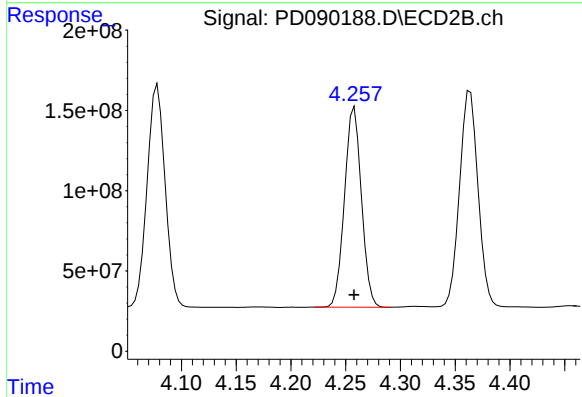
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 239342105
Conc: 46.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

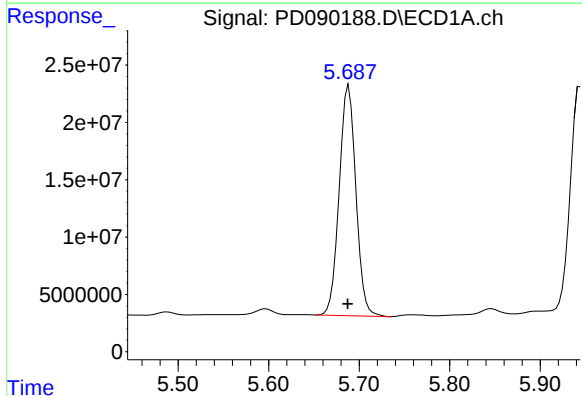
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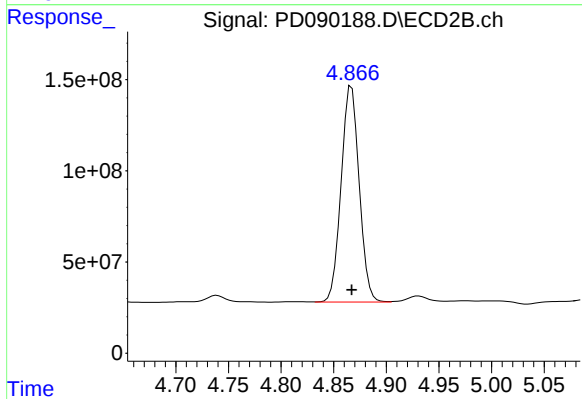
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1339709610
Conc: 42.46 ng/ml



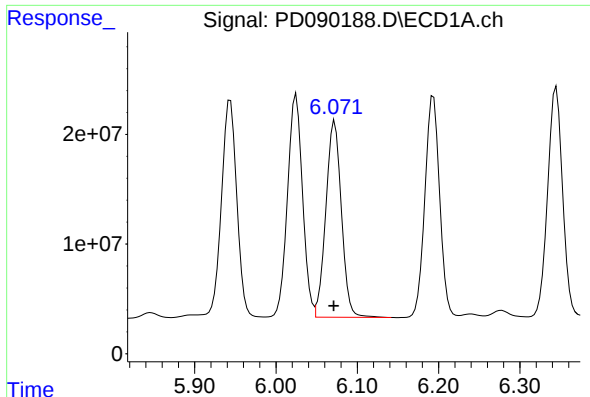
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.001 min
Response: 257490214
Conc: 52.48 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1420525707
Conc: 51.29 ng/ml



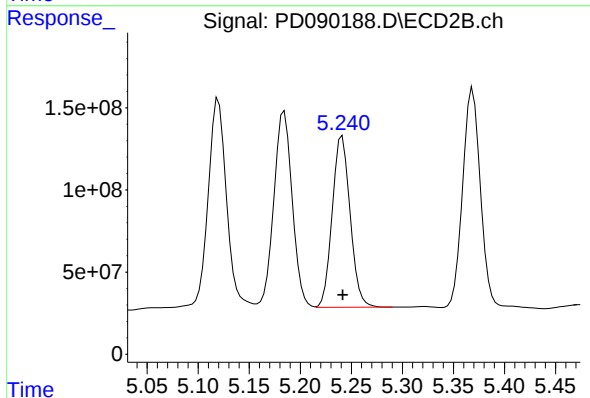
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.001 min
Response: 239678732
Conc: 51.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

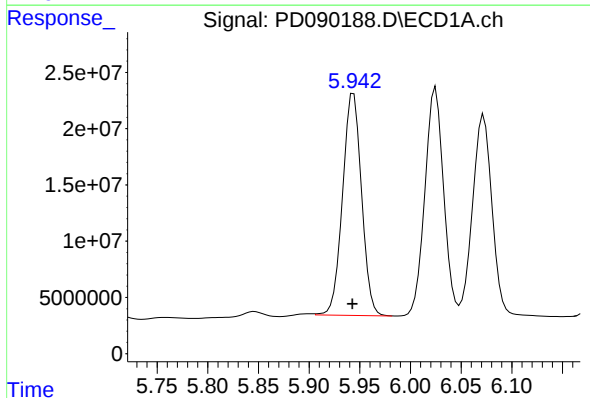
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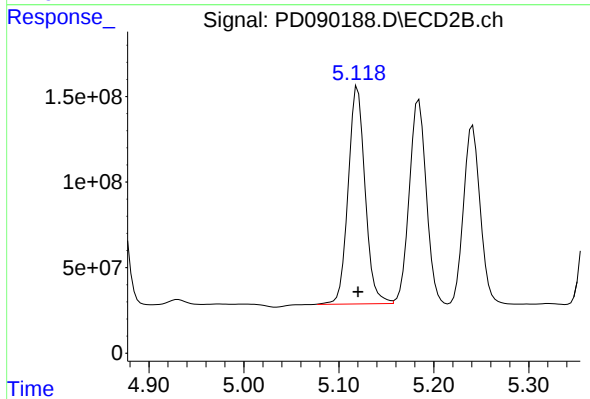
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1275215888
Conc: 48.63 ng/ml



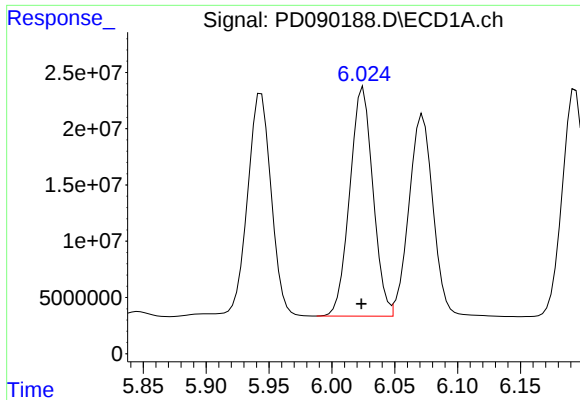
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: 0.000 min
Response: 256380095
Conc: 52.42 ng/ml m



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: -0.002 min
Response: 1572370579
Conc: 53.10 ng/ml m



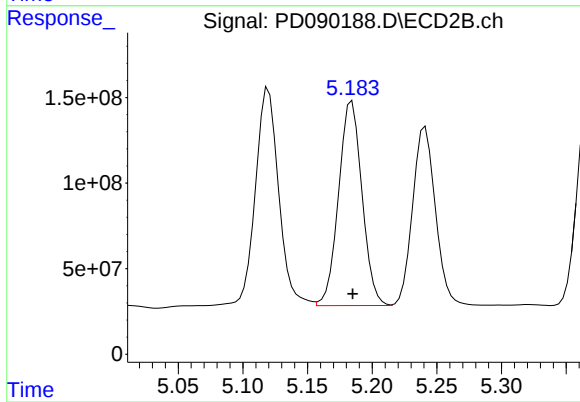
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.001 min
Response: 261252593
Conc: 53.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

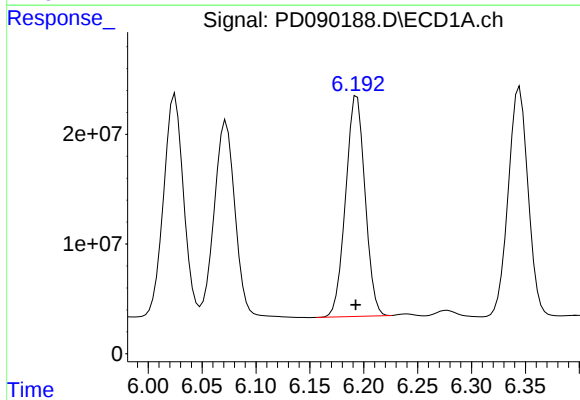
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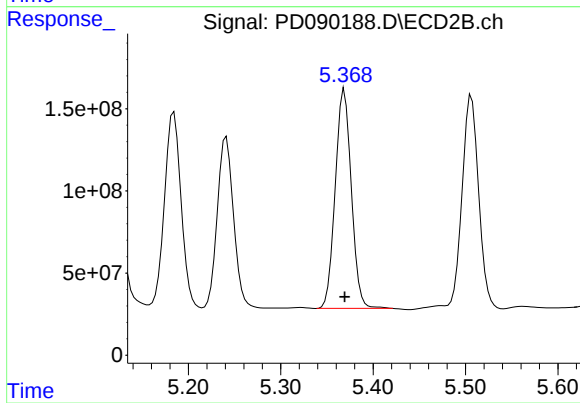
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1502674996
Conc: 52.66 ng/ml



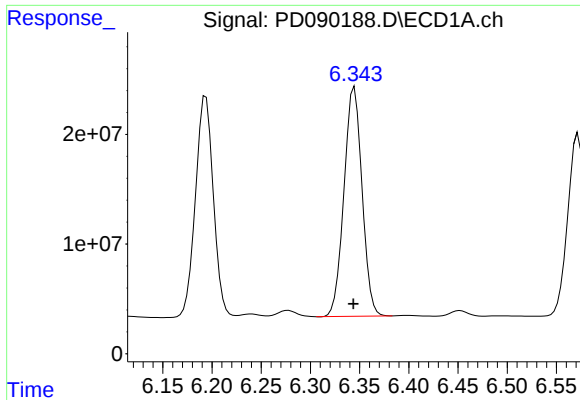
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 252416067
Conc: 57.52 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1614973784
Conc: 56.03 ng/ml



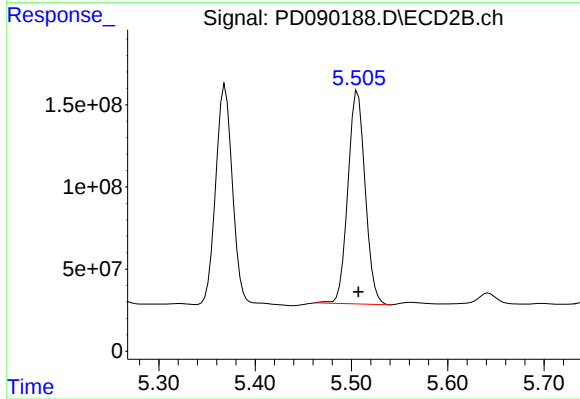
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 266945626
Conc: 54.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

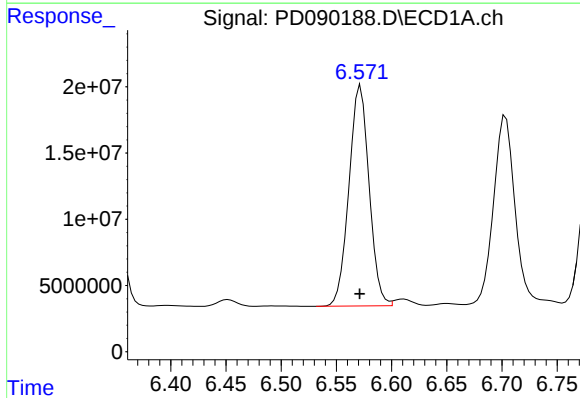
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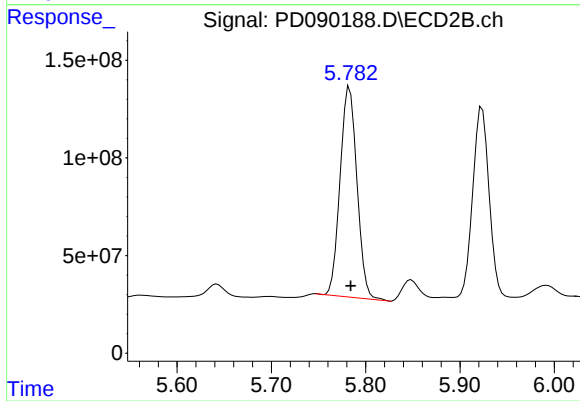
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1609775162
Conc: 54.97 ng/ml



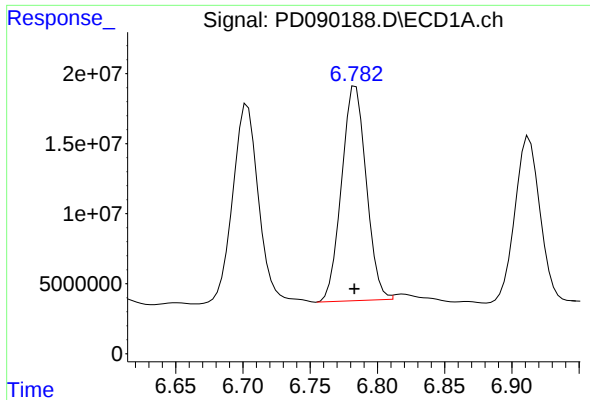
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.000 min
Response: 211494842
Conc: 51.04 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1342111596
Conc: 50.39 ng/ml



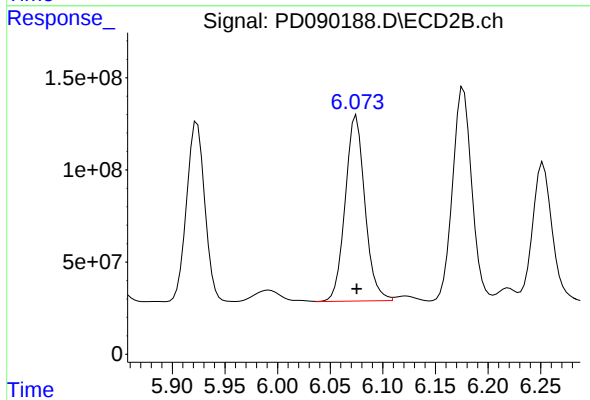
#15 Endosulfan II

R.T.: 6.784 min
Delta R.T.: 0.000 min
Response: 195198066
Conc: 46.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

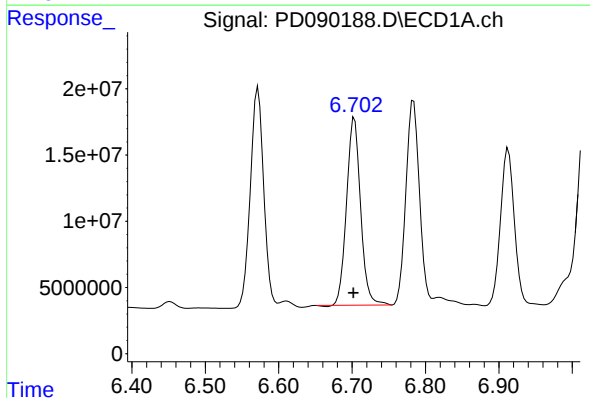
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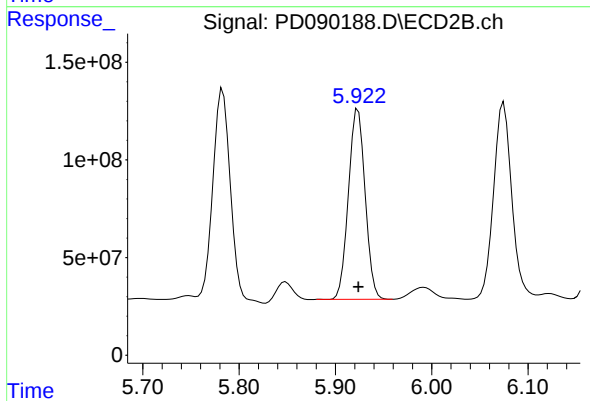
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: -0.002 min
Response: 1317513868
Conc: 52.09 ng/ml m



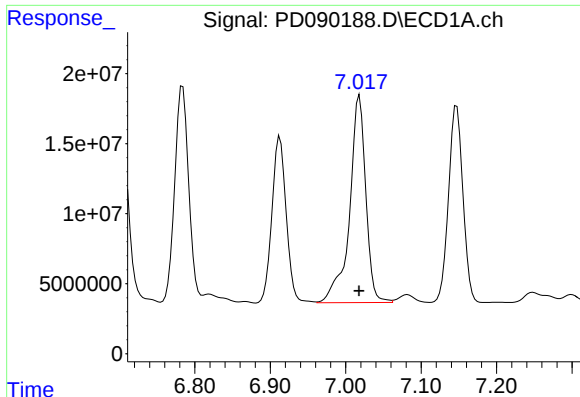
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.001 min
Response: 188095604
Conc: 54.38 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1170790728
Conc: 48.69 ng/ml



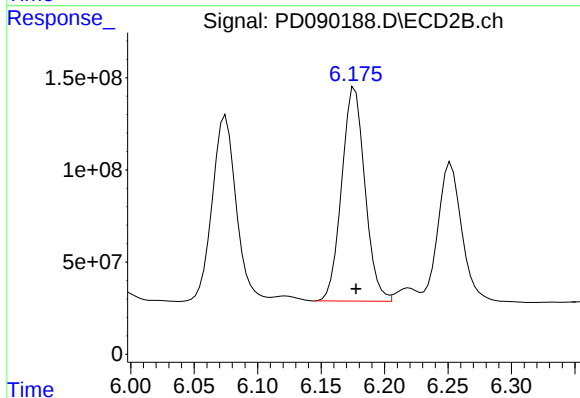
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.000 min
Response: 222046986
Conc: 58.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

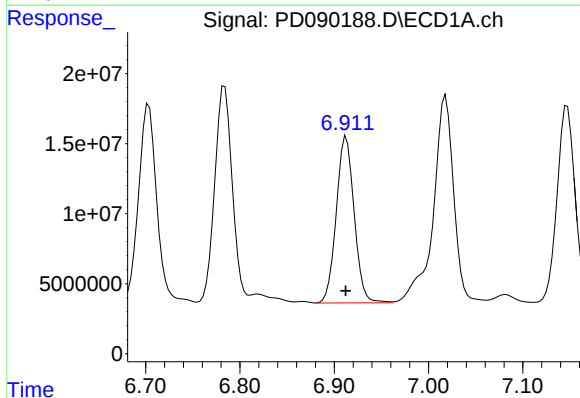
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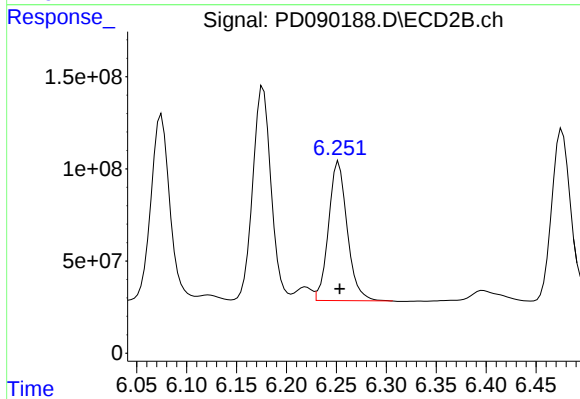
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1475627222
Conc: 58.86 ng/ml



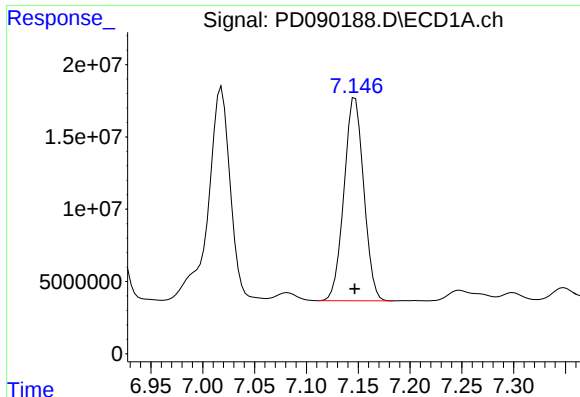
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.000 min
Response: 156512585
Conc: 54.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: -0.001 min
Response: 980315248
Conc: 56.93 ng/ml



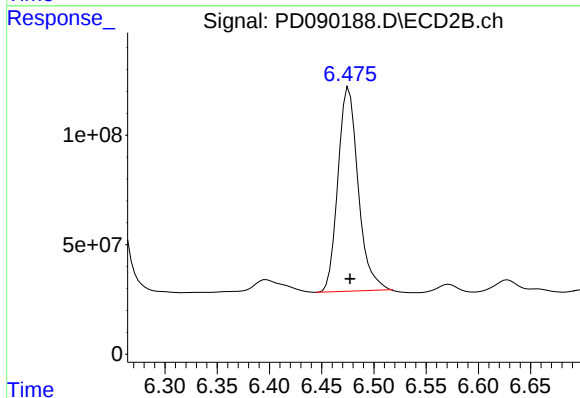
#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.000 min
Response: 186230336
Conc: 47.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

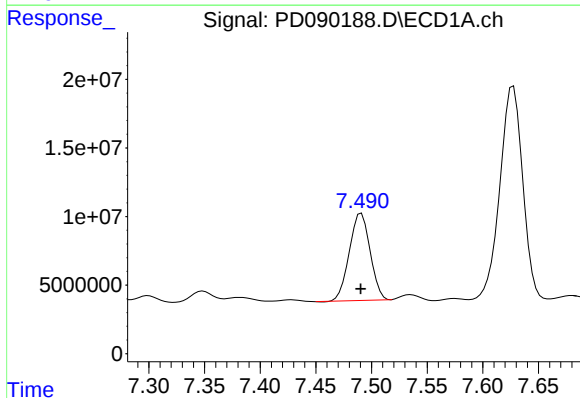
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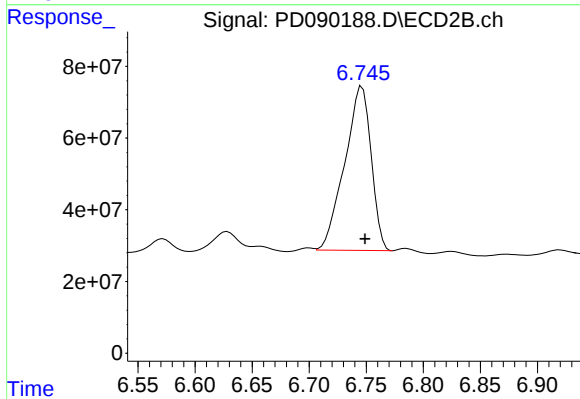
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1253094433
Conc: 51.40 ng/ml



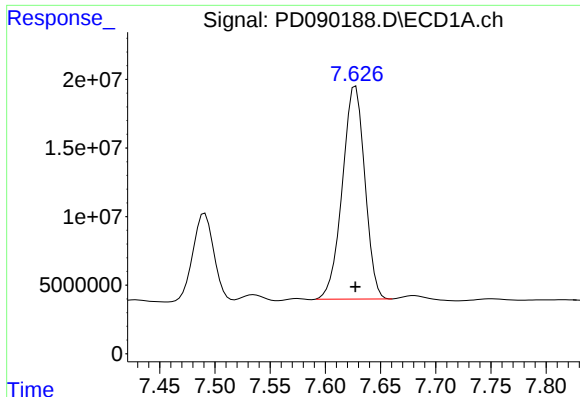
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 82603441
Conc: 41.19 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.004 min
Response: 737944055
Conc: 57.22 ng/ml m



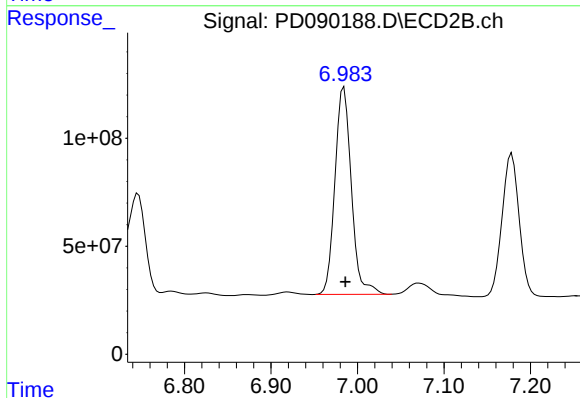
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 220182087
Conc: 53.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

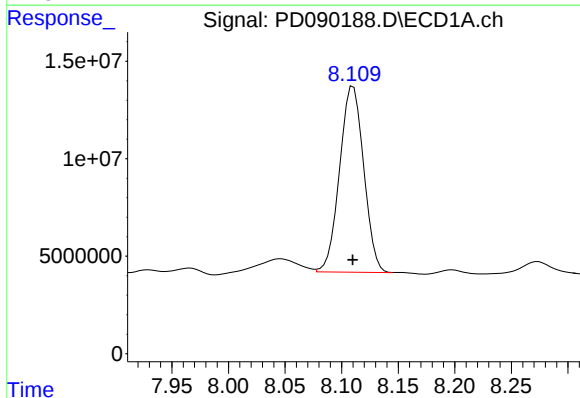
Manual Integrations
APPROVED

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



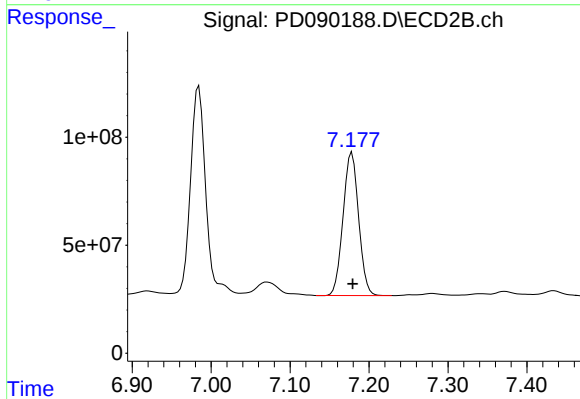
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 1261575756
Conc: 47.35 ng/ml



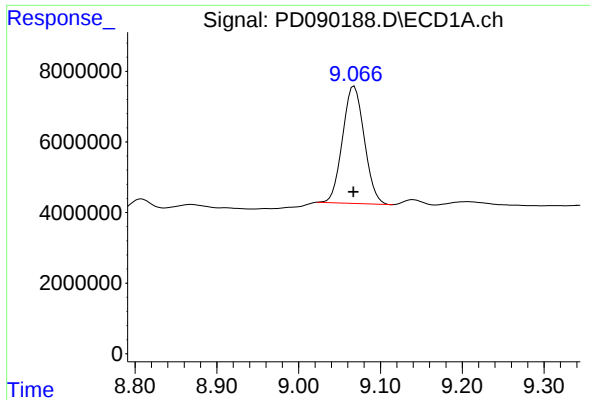
#22 Mirex

R.T.: 8.109 min
Delta R.T.: 0.000 min
Response: 141309712
Conc: 44.80 ng/ml m



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 906508336
Conc: 43.89 ng/ml



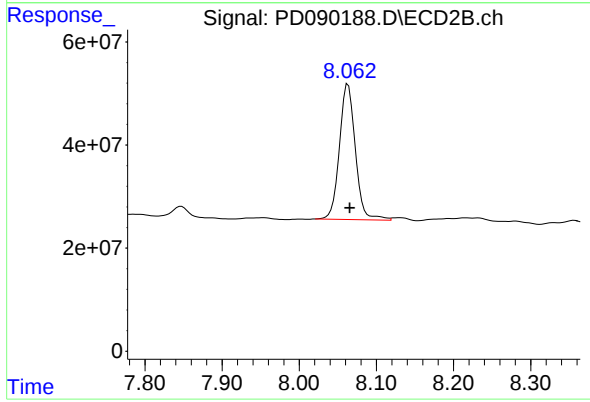
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 61146126
Conc: 14.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-2MSD

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 376616219
Conc: 14.55 ng/ml