

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121025\
 Data File : PD091539.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Dec 2025 16:10
 Operator : AR\AJ
 Sample : Q3814-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-5MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/11/2025
 Supervised By :Yogesh Patel 12/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 11 01:54:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 09 04:29:17 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...	3.539	2.871	73678593	1020.0E6	21.213m	25.887
28)	SA Decachlor...	9.065	8.058	96460519	921.4E6	18.557	22.250
Target Compounds							
2)	A alpha-BHC	3.990	3.382	461.1E6	4311.0E6	57.271	63.235
3)	MA gamma-BHC...	4.320	3.718	440.2E6	3929.5E6	58.575m	69.884
4)	MA Heptachlor	4.917	4.070	414.3E6	3895.0E6	58.366m	66.828
5)	MB Aldrin	5.261	4.356	415.5E6	3881.7E6	59.716	66.941
6)	B beta-BHC	4.508	4.014	153.1E6	1591.7E6	53.016m	66.434m#
7)	B delta-BHC	4.757	4.251	437.4E6	4033.9E6	73.117	67.359
8)	B Heptachlo...	5.681	4.860	368.8E6	3419.0E6	59.561	67.573
9)	A Endosulfan I	6.065	5.235	344.7E6	3069.5E6	56.425	62.658
10)	B gamma-Chl...	5.935	5.111	357.1E6	3677.9E6	56.001m	65.888m
11)	B alpha-Chl...	6.018	5.178	361.4E6	3579.5E6	53.806	66.843
12)	B 4,4'-DDE	6.188	5.360	331.3E6	3650.1E6	57.031	66.599m
13)	MA Dieldrin	6.338	5.500	365.2E6	3692.4E6	56.131	66.573
14)	MA Endrin	6.566	5.777	316.5E6	3289.0E6	56.434	62.913
15)	B Endosulfa...	6.780	6.068	296.3E6	3122.7E6	48.728	66.280 #
16)	A 4,4'-DDD	6.699	5.917	265.2E6	2856.4E6	57.608	62.795
17)	MA 4,4'-DDT	7.014	6.171	277.9E6	3243.8E6	53.893	68.437 #
18)	B Endrin al...	6.908	6.247	238.0E6	2407.5E6	56.973	67.454
19)	B Endosulfa...	7.143	6.471	288.1E6	3067.5E6	54.566	66.550
20)	A Methoxychlor	7.488	6.741	140.4E6	1564.4E6	52.235	66.292 #
21)	B Endrin ke...	7.624	6.980	313.2E6	3319.9E6	55.600	68.251
22)	Mirex	8.105	7.172	174.8E6	1977.2E6	47.042m	60.326 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121025\
Data File : PD091539.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Dec 2025 16:10
Operator : AR\AJ
Sample : Q3814-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

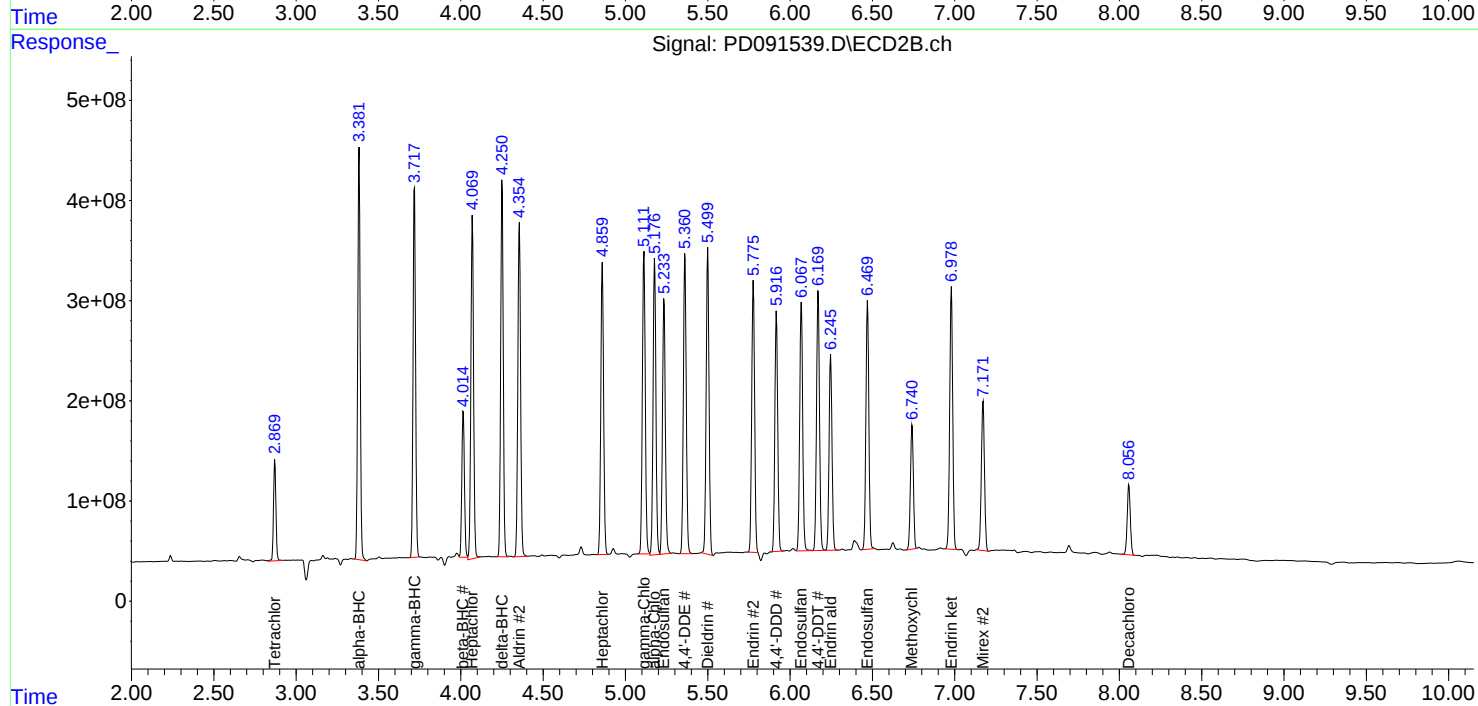
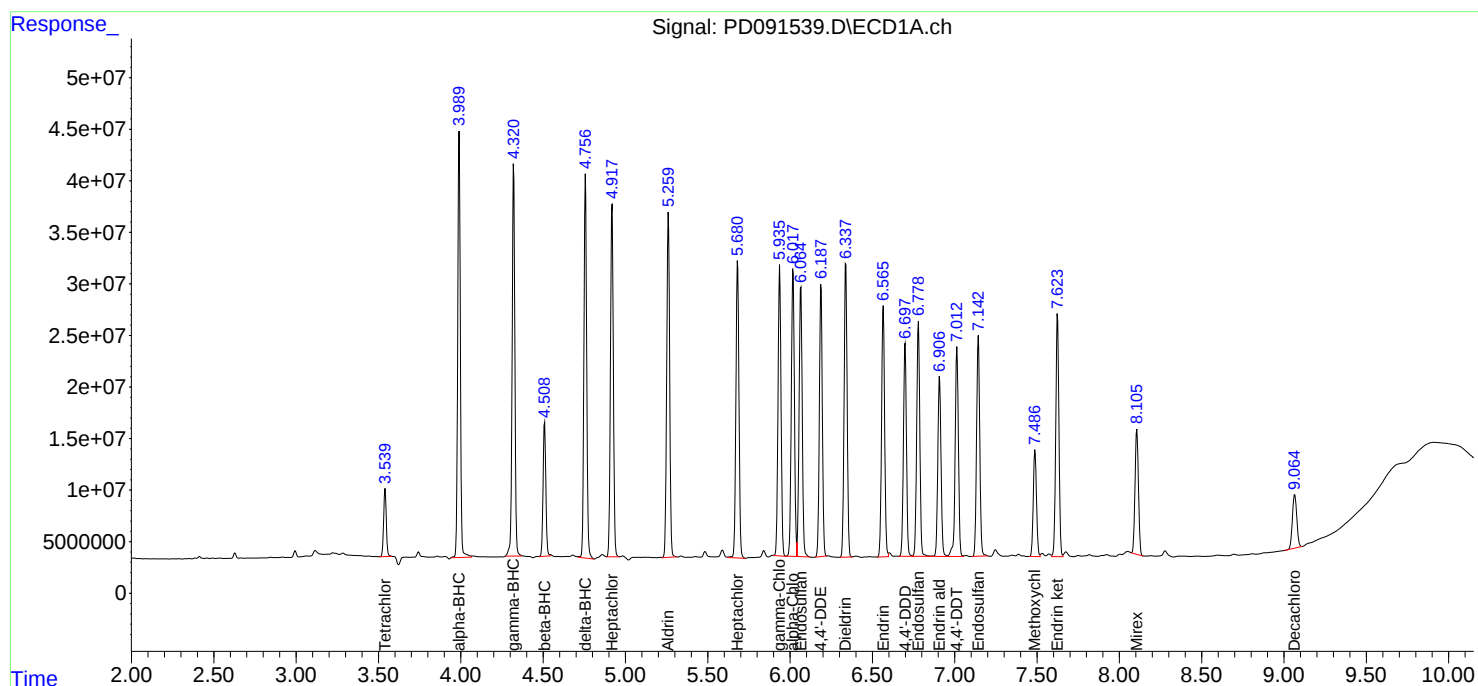
Instrument :
ECD_D
ClientSampleId :
TP-5MSD

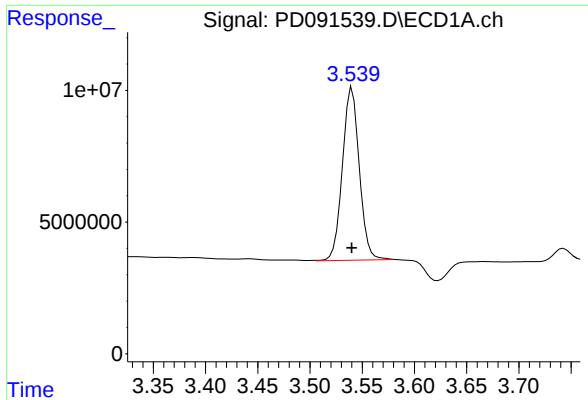
Manual Integrations
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Supervised By :Yogesh Patel 12/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 11 01:54:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
Quant Title : GC Extractables
QLast Update : Tue Dec 09 04:29:17 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





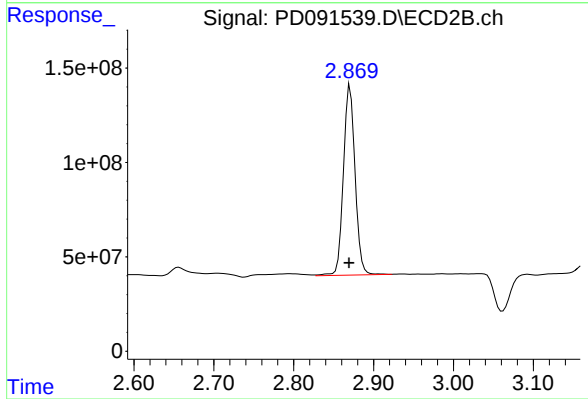
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: -0.001 min
Response: 73678593
Conc: 21.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

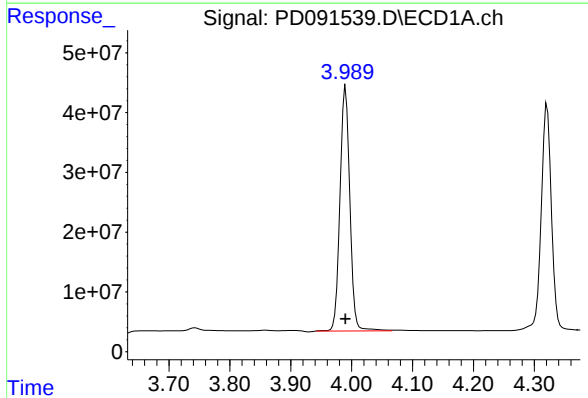
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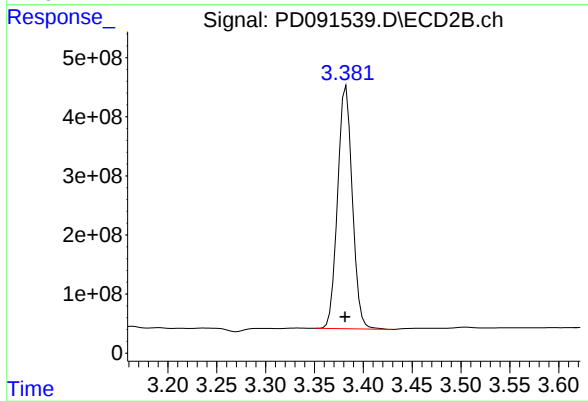
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: 0.001 min
Response: 1020036212
Conc: 25.89 ng/ml



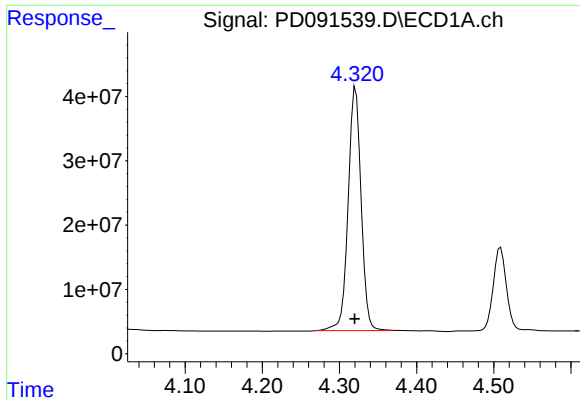
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: 0.000 min
Response: 461081187
Conc: 57.27 ng/ml



#2 alpha-BHC

R.T.: 3.382 min
Delta R.T.: 0.001 min
Response: 4310973476
Conc: 63.24 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.320 min
Delta R.T.: 0.000 min
Response: 440236564
Conc: 58.58 ng/ml

Instrument :

ECD_D

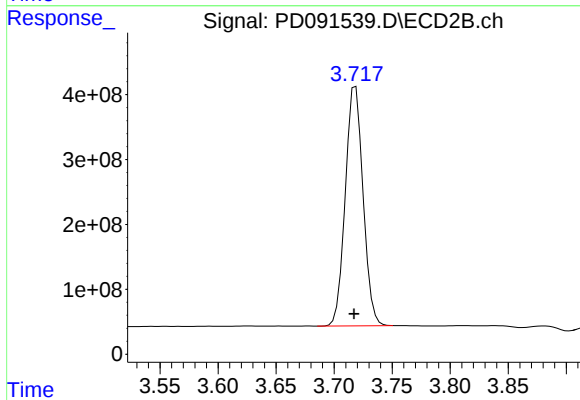
ClientSampleId :

TP-5MSD

Manual Integrations

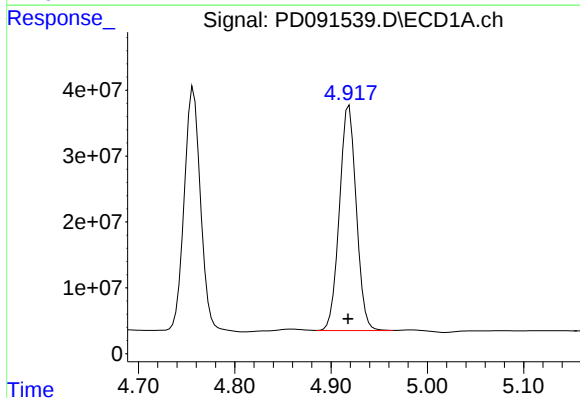
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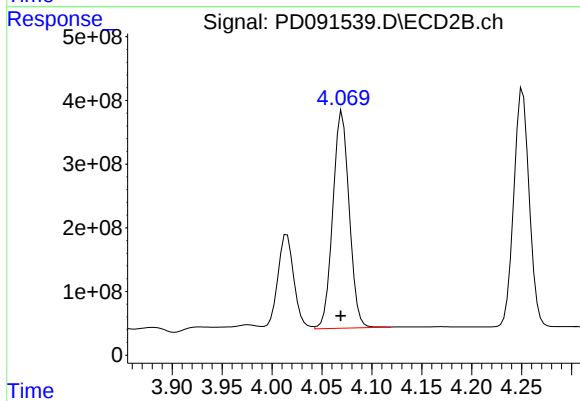
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: 0.001 min
Response: 3929494363
Conc: 69.88 ng/ml



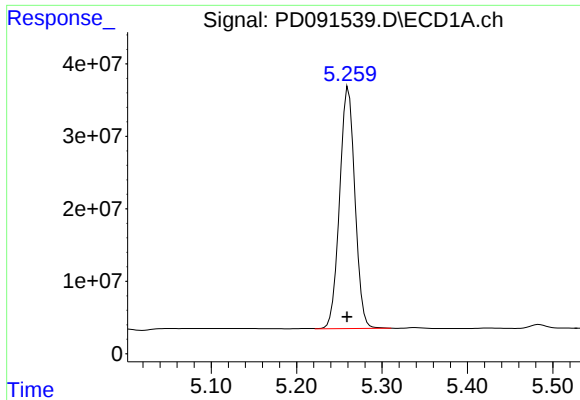
#4 Heptachlor

R.T.: 4.917 min
Delta R.T.: 0.000 min
Response: 414336856
Conc: 58.37 ng/ml m



#4 Heptachlor

R.T.: 4.070 min
Delta R.T.: 0.002 min
Response: 3894994912
Conc: 66.83 ng/ml



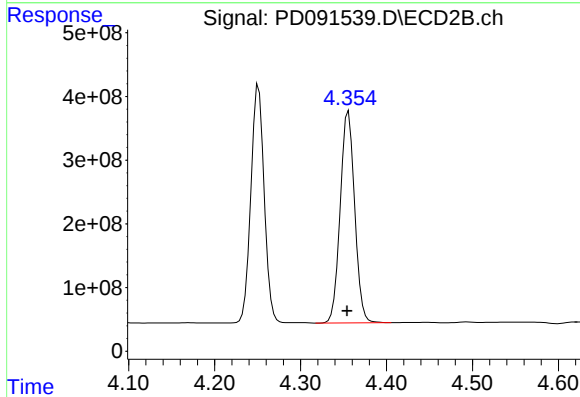
#5 Aldrin

R.T.: 5.261 min
Delta R.T.: 0.002 min
Response: 415495473
Conc: 59.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

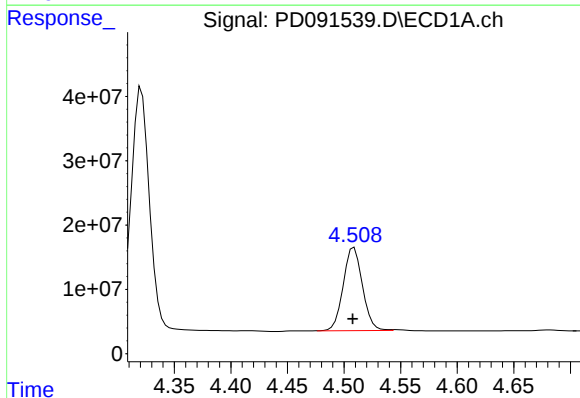
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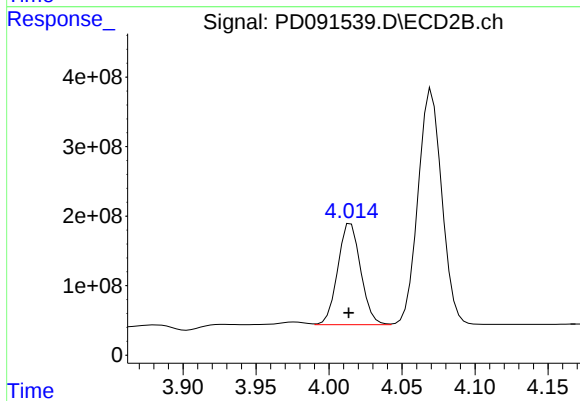
#5 Aldrin

R.T.: 4.356 min
Delta R.T.: 0.002 min
Response: 3881680144
Conc: 66.94 ng/ml



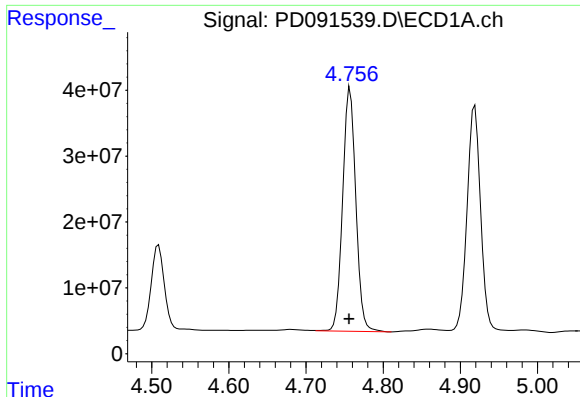
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 153060873
Conc: 53.02 ng/ml m



#6 beta-BHC

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 1591704533
Conc: 66.43 ng/ml m



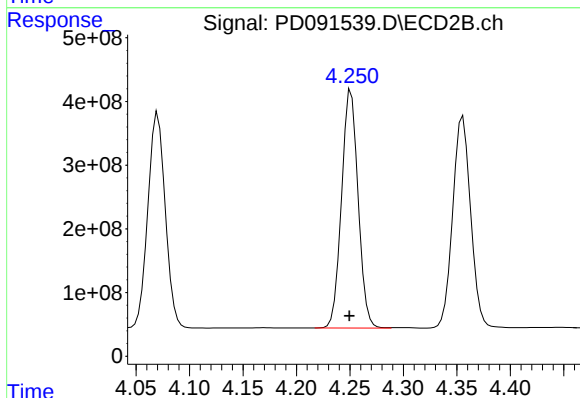
#7 delta-BHC

R.T.: 4.757 min
Delta R.T.: 0.001 min
Response: 437402464
Conc: 73.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

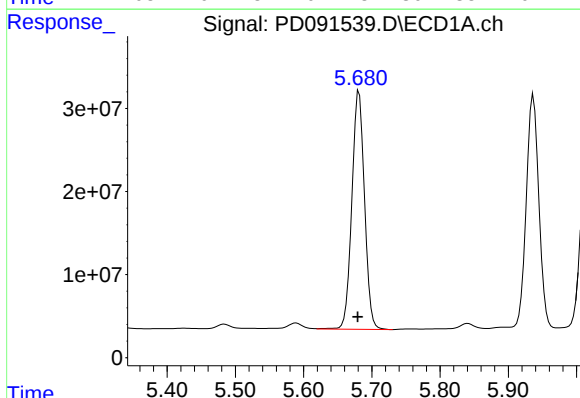
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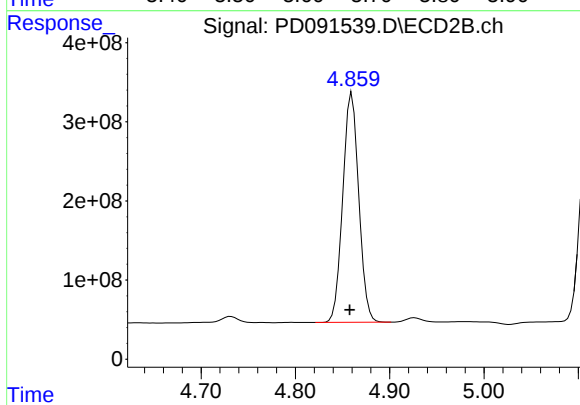
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: 0.002 min
Response: 4033890392
Conc: 67.36 ng/ml



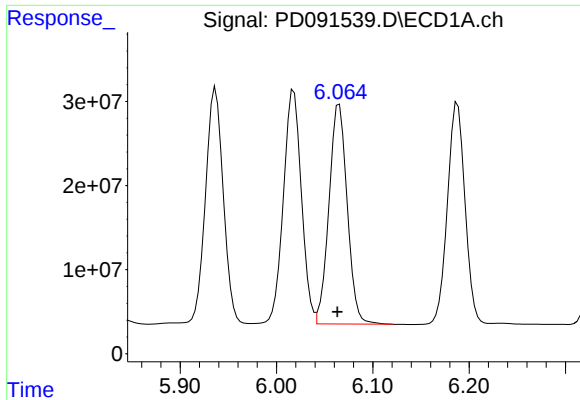
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: 0.002 min
Response: 368821586
Conc: 59.56 ng/ml



#8 Heptachlor epoxide

R.T.: 4.860 min
Delta R.T.: 0.002 min
Response: 3419001630
Conc: 67.57 ng/ml



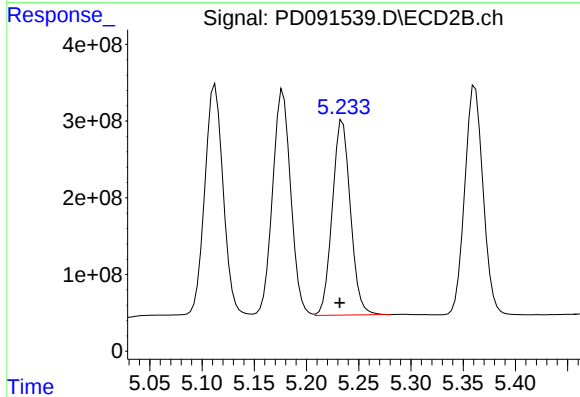
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: 0.002 min
Response: 344743034
Conc: 56.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

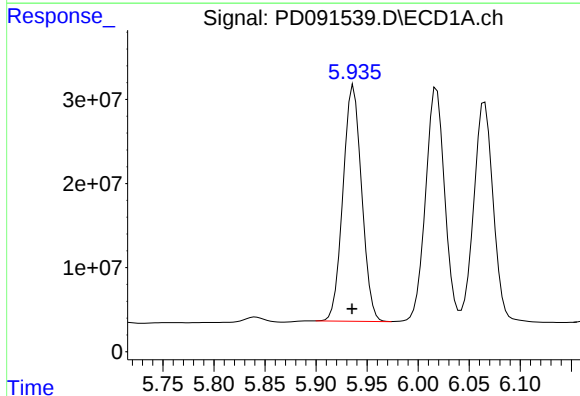
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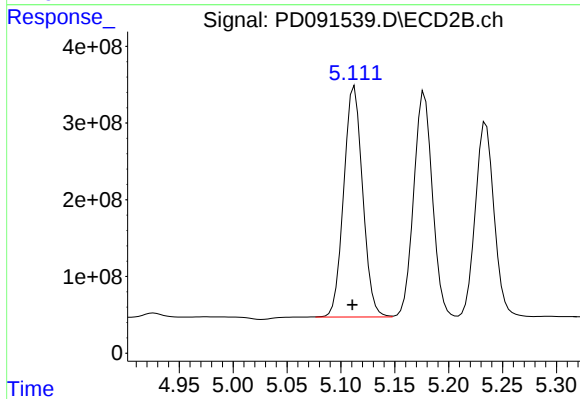
#9 Endosulfan I

R.T.: 5.235 min
Delta R.T.: 0.003 min
Response: 3069538808
Conc: 62.66 ng/ml



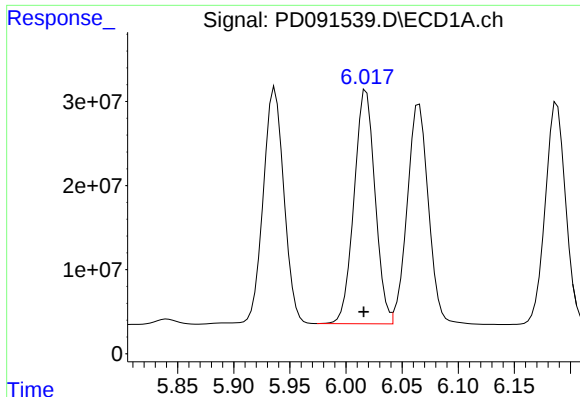
#10 gamma-Chlordane

R.T.: 5.935 min
Delta R.T.: 0.000 min
Response: 357118611
Conc: 56.00 ng/ml m



#10 gamma-Chlordane

R.T.: 5.111 min
Delta R.T.: 0.000 min
Response: 3677941741
Conc: 65.89 ng/ml m



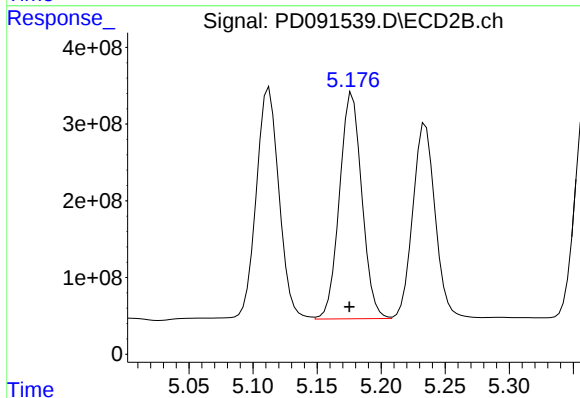
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: 0.002 min
Response: 361370769
Conc: 53.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

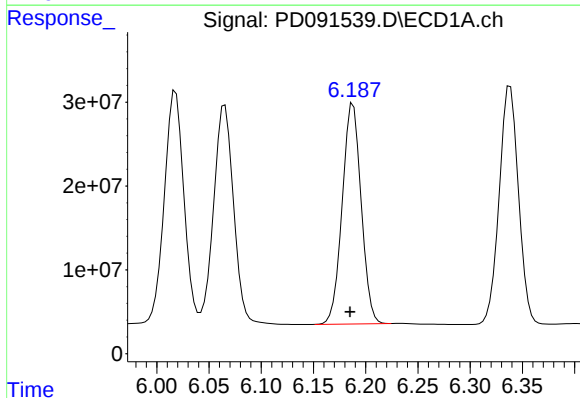
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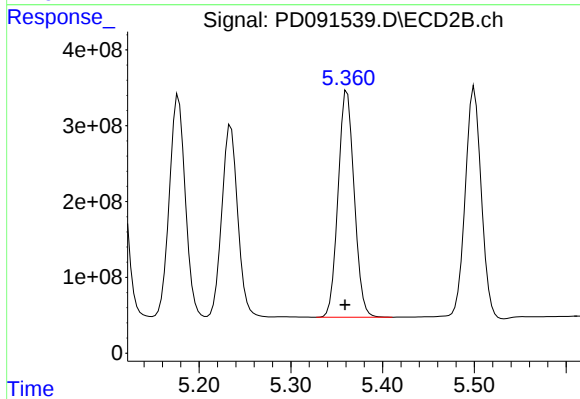
#11 alpha-Chlordane

R.T.: 5.178 min
Delta R.T.: 0.002 min
Response: 3579496837
Conc: 66.84 ng/ml



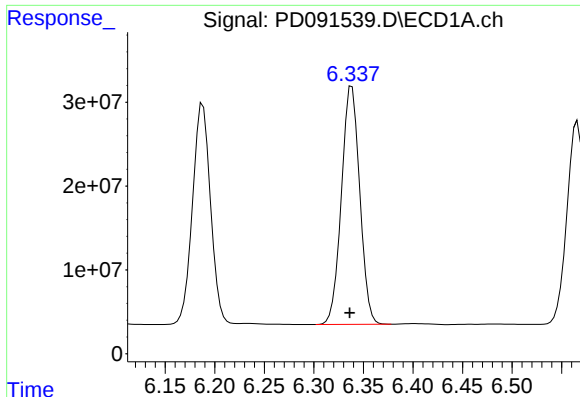
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: 0.003 min
Response: 331312728
Conc: 57.03 ng/ml



#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 3650112199
Conc: 66.60 ng/ml m



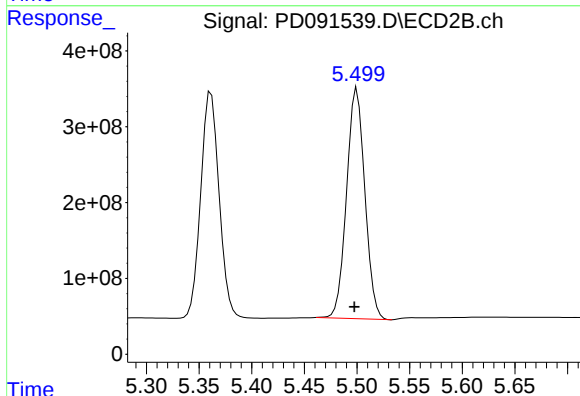
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: 0.002 min
Response: 365229960
Conc: 56.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

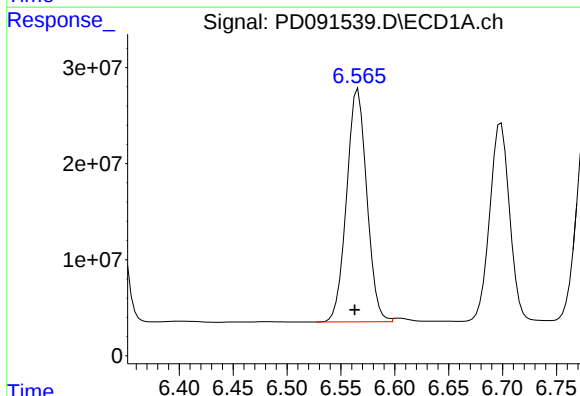
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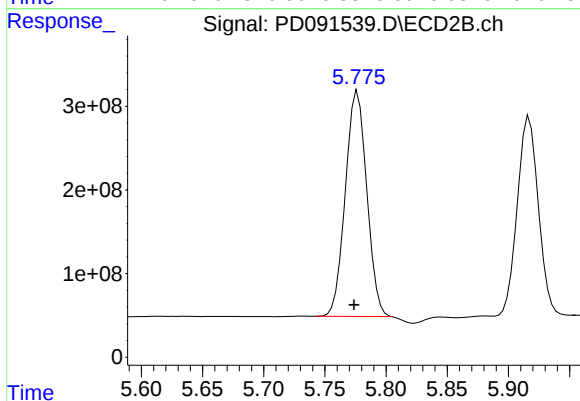
#13 Dieldrin

R.T.: 5.500 min
Delta R.T.: 0.003 min
Response: 3692387321
Conc: 66.57 ng/ml



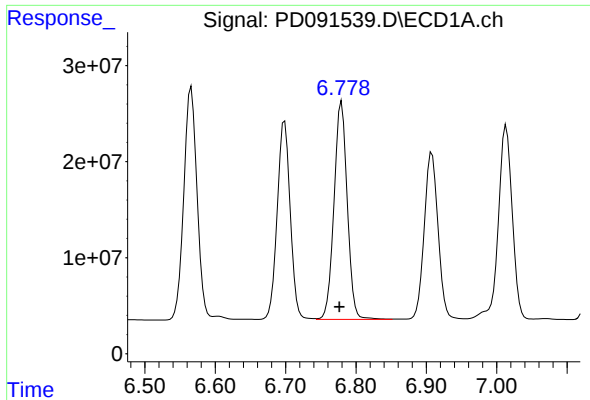
#14 Endrin

R.T.: 6.566 min
Delta R.T.: 0.003 min
Response: 316494629
Conc: 56.43 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: 0.003 min
Response: 3288953260
Conc: 62.91 ng/ml



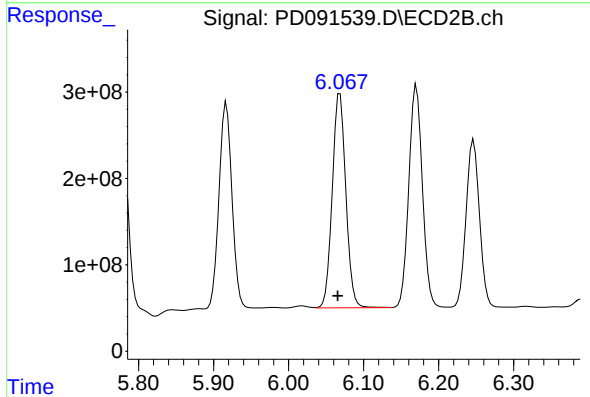
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: 0.003 min
Response: 296301960
Conc: 48.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

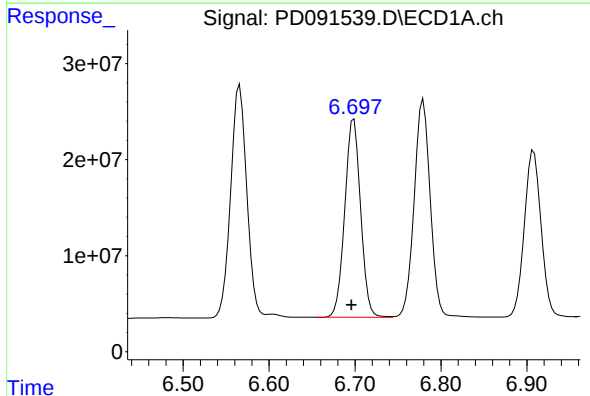
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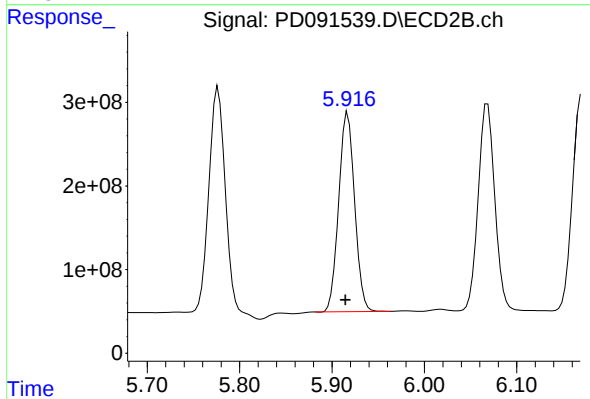
#15 Endosulfan II

R.T.: 6.068 min
Delta R.T.: 0.003 min
Response: 3122726981
Conc: 66.28 ng/ml



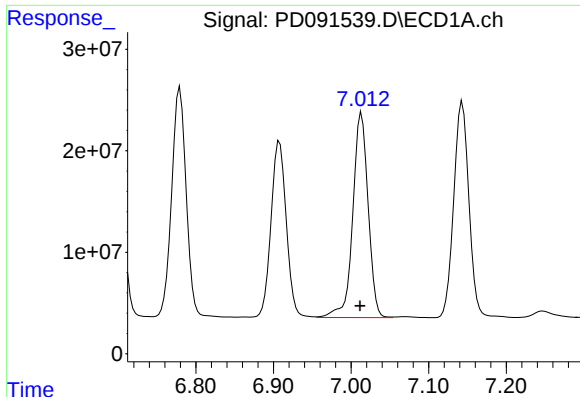
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: 0.003 min
Response: 265158918
Conc: 57.61 ng/ml



#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: 0.003 min
Response: 2856397202
Conc: 62.80 ng/ml



#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: 0.002 min
Response: 277895148
Conc: 53.89 ng/ml

Instrument :

ECD_D

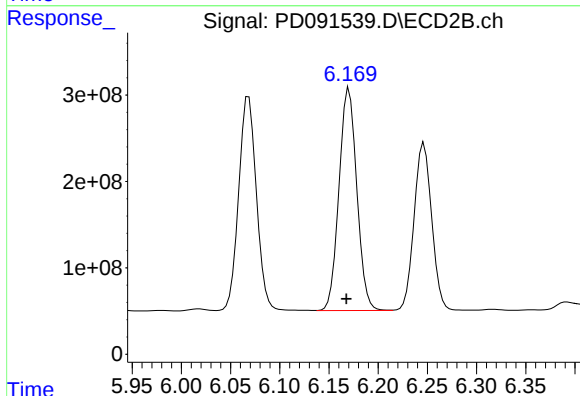
ClientSampleId :

TP-5MSD

Manual Integrations

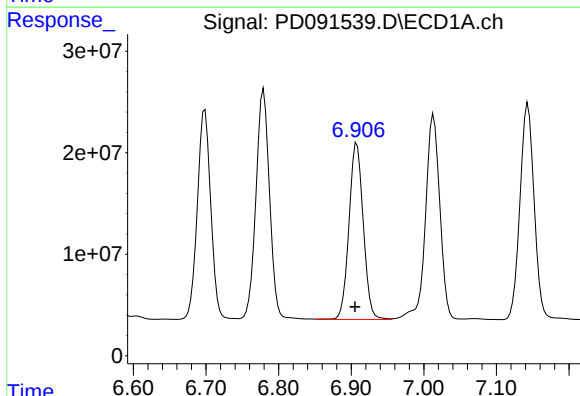
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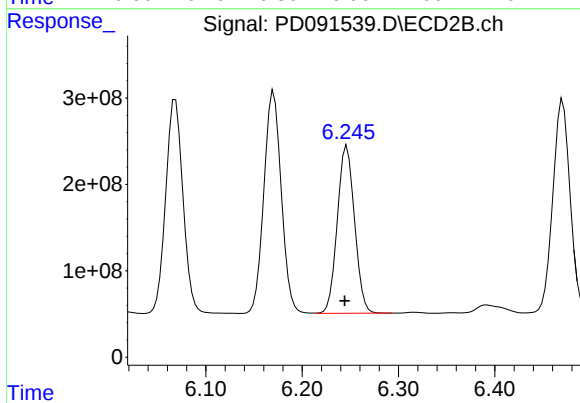
#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: 0.003 min
Response: 3243819095
Conc: 68.44 ng/ml



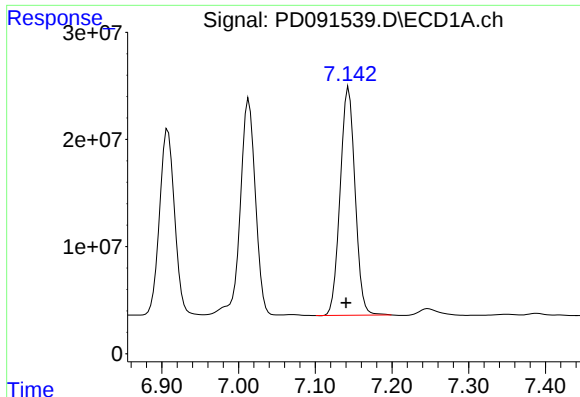
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: 0.002 min
Response: 237996033
Conc: 56.97 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: 0.003 min
Response: 2407491662
Conc: 67.45 ng/ml



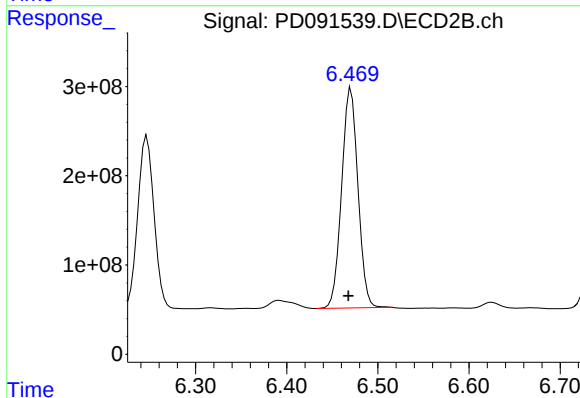
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: 0.003 min
Response: 288068695
Conc: 54.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

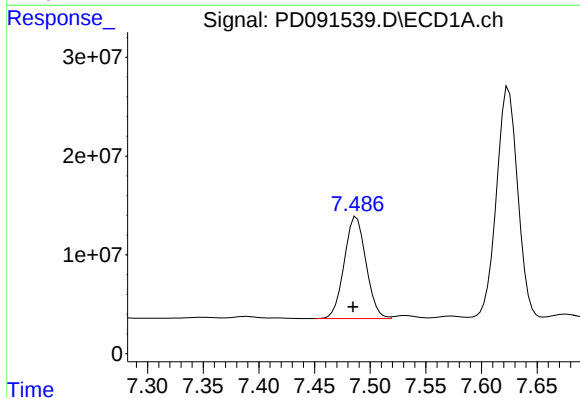
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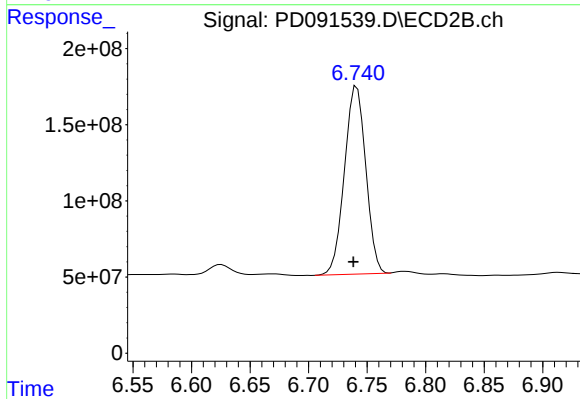
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: 0.003 min
Response: 3067523056
Conc: 66.55 ng/ml



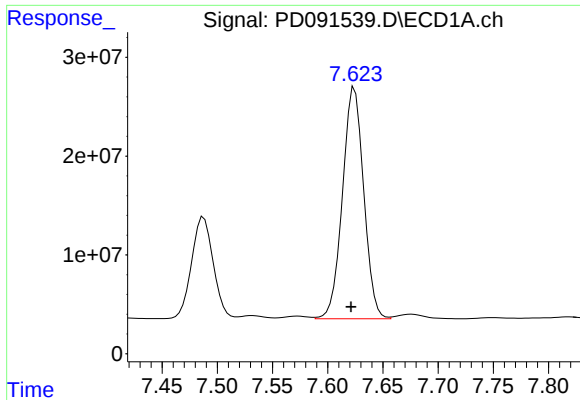
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: 0.003 min
Response: 140406553
Conc: 52.23 ng/ml



#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: 0.003 min
Response: 1564356221
Conc: 66.29 ng/ml



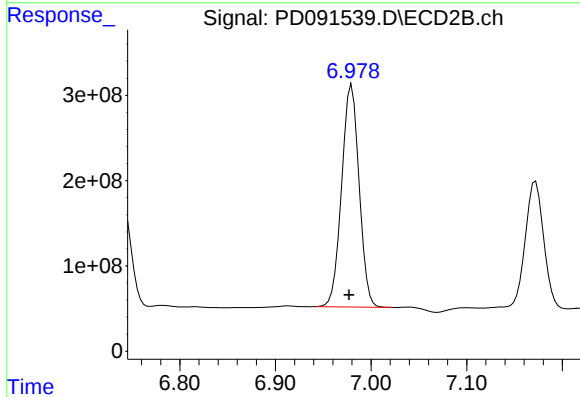
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.003 min
Response: 313243158
Conc: 55.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

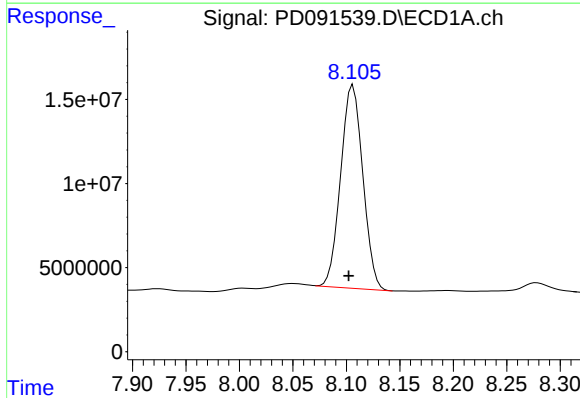
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/11/2025
Supervised By :Yogesh Patel 12/11/2025



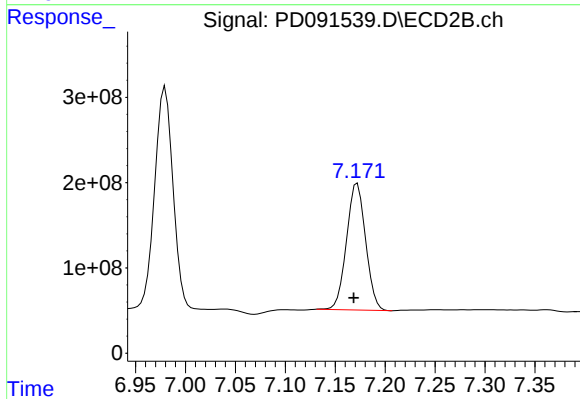
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.003 min
Response: 3319948199
Conc: 68.25 ng/ml



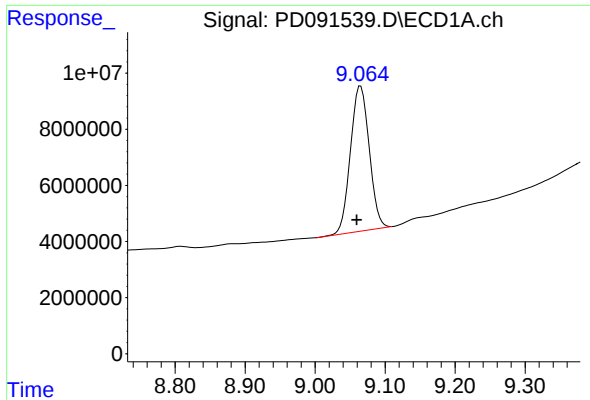
#22 Mirex

R.T.: 8.105 min
Delta R.T.: 0.003 min
Response: 174783673
Conc: 47.04 ng/ml m



#22 Mirex

R.T.: 7.172 min
Delta R.T.: 0.003 min
Response: 1977182296
Conc: 60.33 ng/ml



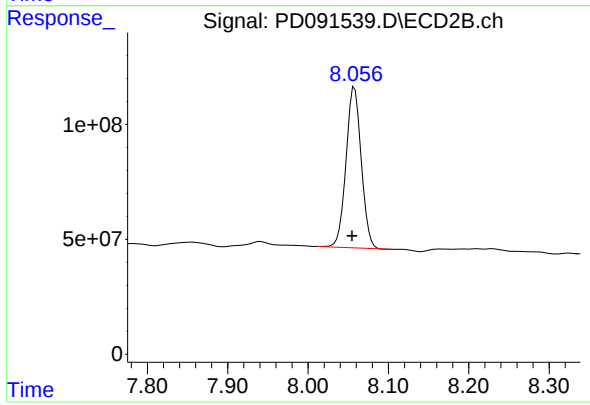
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.006 min
Response: 96460519
Conc: 18.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-5MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 12/11/2025
Supervised By :Yogesh Patel 12/11/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: 0.003 min
Response: 921393238
Conc: 22.25 ng/ml