

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088666.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 18:47
 Operator : AR\AJ
 Sample : Q2074-04MSD
 Misc :
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-20MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/21/2025
 Supervised By : mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 21 03:36:15 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.5 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...	3.551	2.882	38531911	297.7E6	17.808	19.680
28)	SA Decachlor...	9.076	8.074	60216282	301.3E6	17.595	16.503
Target Compounds							
2)	A alpha-BHC	4.001	3.394	216.4E6	1099.2E6	45.294	45.984
3)	MA gamma-BHC...	4.332	3.731	211.1E6	1001.7E6	45.858	45.190
4)	MA Heptachlor	4.931	4.084	195.1E6	980.6E6	43.624	43.672
5)	MB Aldrin	5.273	4.370	199.3E6	988.7E6	45.356	45.084
6)	B beta-BHC	4.517	4.027	74900712	453.1E6	41.539	46.508
7)	B delta-BHC	4.765	4.263	201.0E6	1005.5E6	47.568	45.101
8)	B Heptachlo...	5.692	4.874	176.0E6	873.8E6	44.343	43.973
9)	A Endosulfan I	6.076	5.249	168.6E6	785.6E6	44.800	41.393
10)	B gamma-Chl...	5.947	5.127	177.5E6	944.6E6	44.492	44.282
11)	B alpha-Chl...	6.029	5.192	177.8E6	904.8E6	44.373	43.869
12)	B 4,4'-DDE	6.198	5.377	152.8E6	898.0E6	42.576	42.963
13)	MA Dieldrin	6.349	5.514	177.2E6	933.8E6	44.174	44.375
14)	MA Endrin	6.576	5.791	147.5E6	828.2E6	43.203	42.945
15)	B Endosulfa...	6.787	6.082	148.6E6	788.8E6	43.162	43.053
16)	A 4,4'-DDD	6.706	5.931	133.2E6	761.0E6	47.837	43.754
17)	MA 4,4'-DDT	7.023	6.185	111.2E6	644.7E6	35.608	35.545
18)	B Endrin al...	6.916	6.260	112.2E6	588.5E6	43.585	42.249
19)	B Endosulfa...	7.151	6.483	136.1E6	742.7E6	42.480	41.829
20)	A Methoxychlor	7.495	6.754	55705340	348.6E6	33.345	36.410m
21)	B Endrin ke...	7.632	6.993	146.5E6	790.4E6	42.790	40.850
22)	Mirex	8.115	7.186	102.9E6	602.7E6	39.618m	39.644

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

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Data File : PD088666.D
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Acq On : 20 May 2025 18:47
Operator : AR\AJ
Sample : Q2074-04MSD
Misc :
ALS Vial : 35 Sample Multiplier: 1

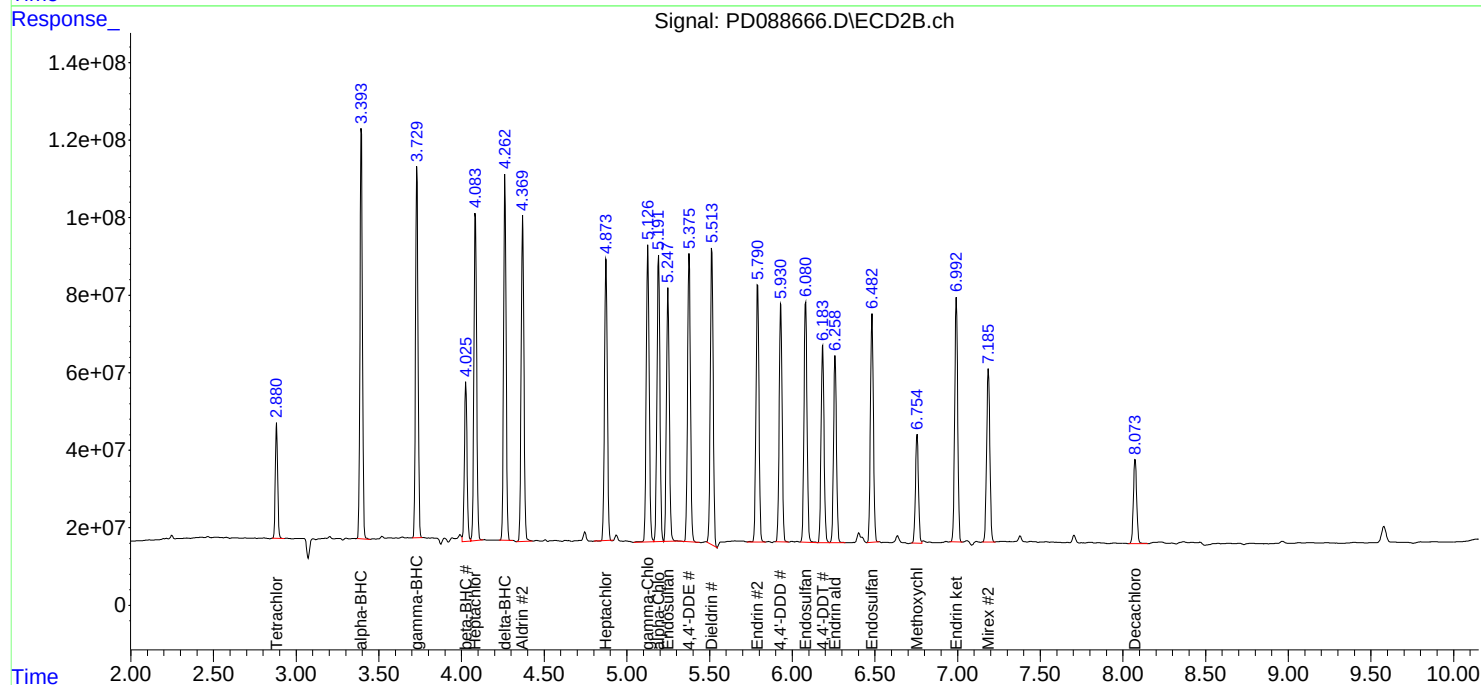
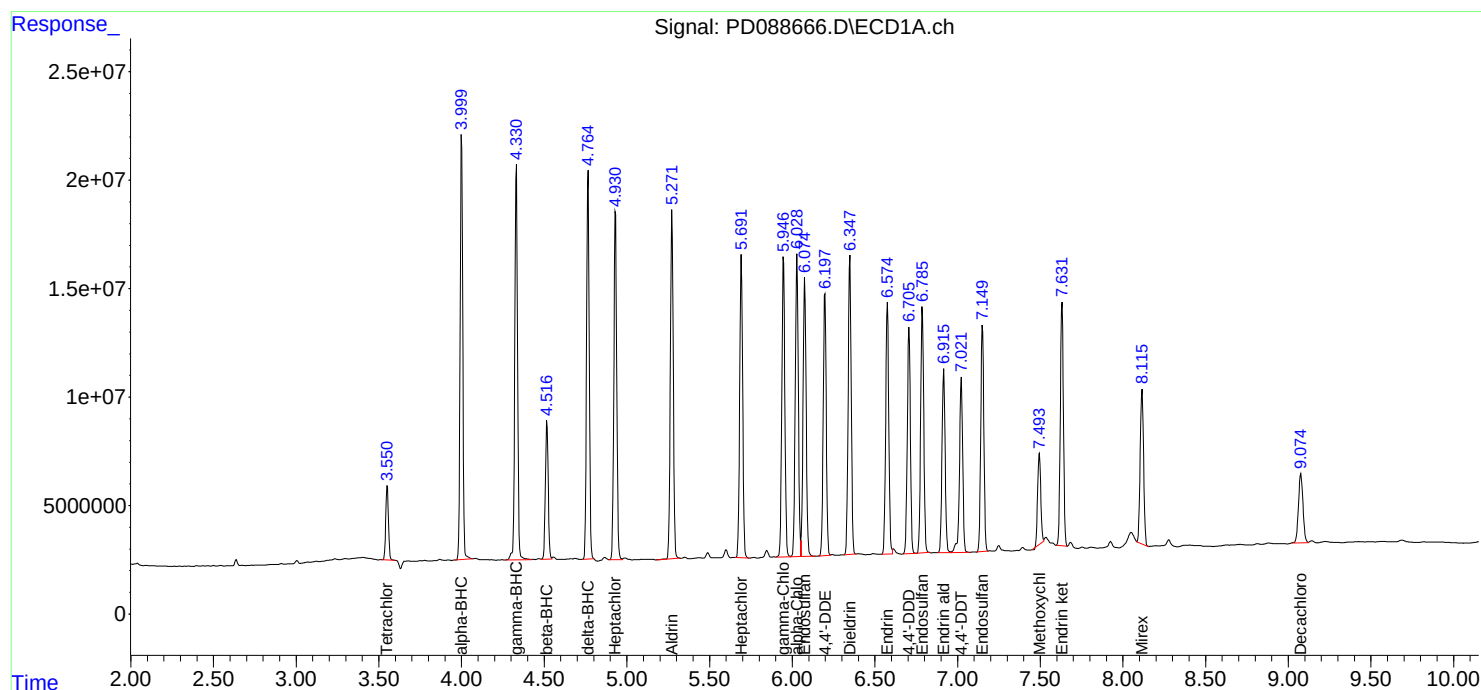
Instrument :
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ClientSampleId :
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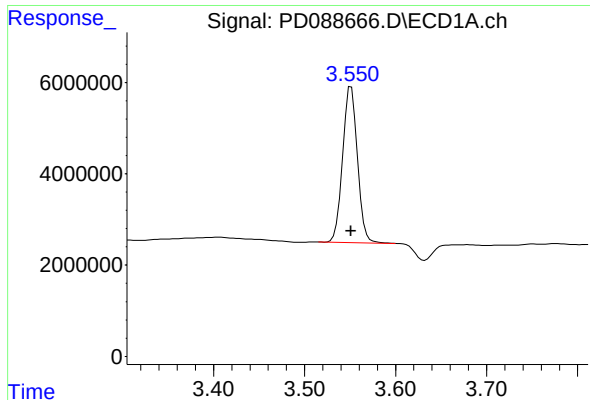
Manual Integrations
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Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 21 03:36:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





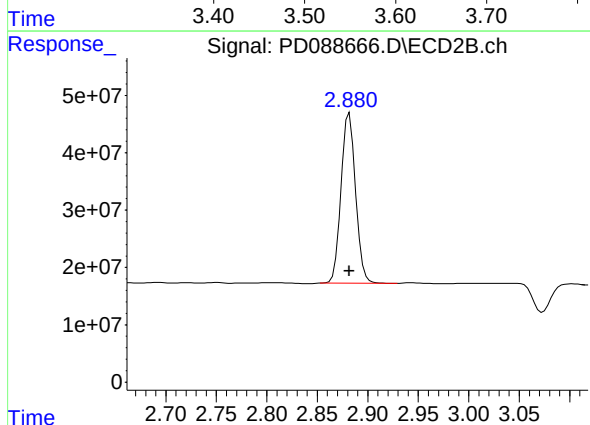
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 38531911
Conc: 17.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

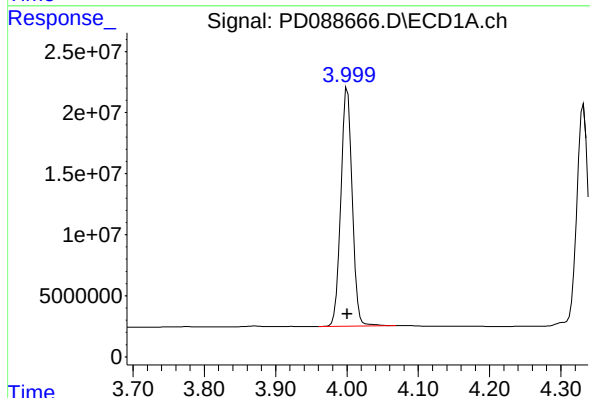
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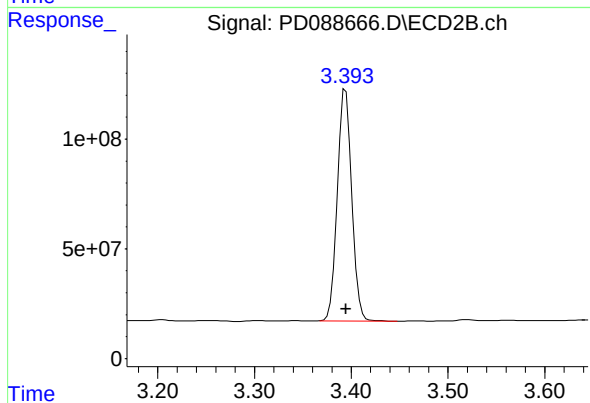
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 297694953
Conc: 19.68 ng/ml



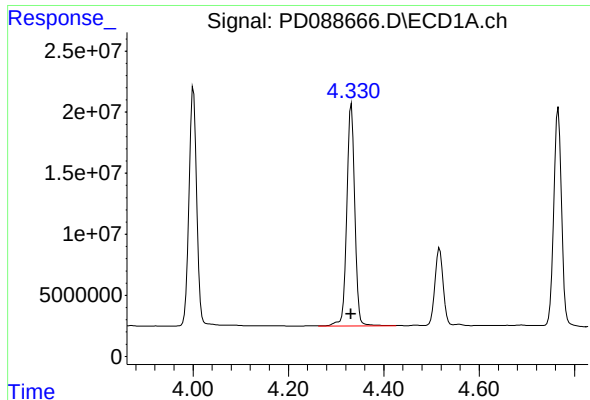
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 216351716
Conc: 45.29 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1099188611
Conc: 45.98 ng/ml



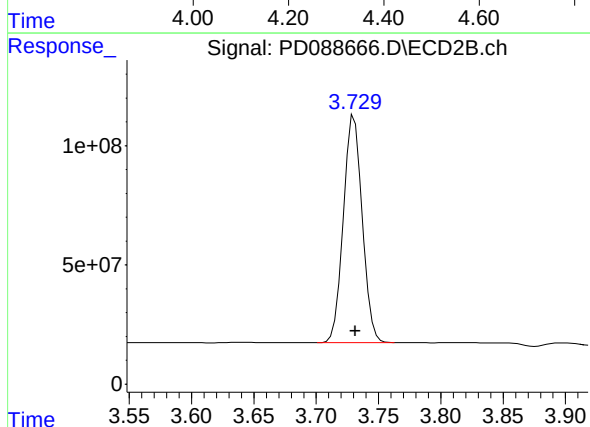
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 211072684
Conc: 45.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

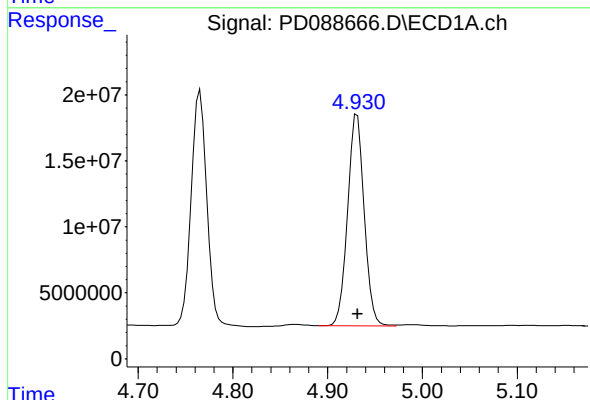
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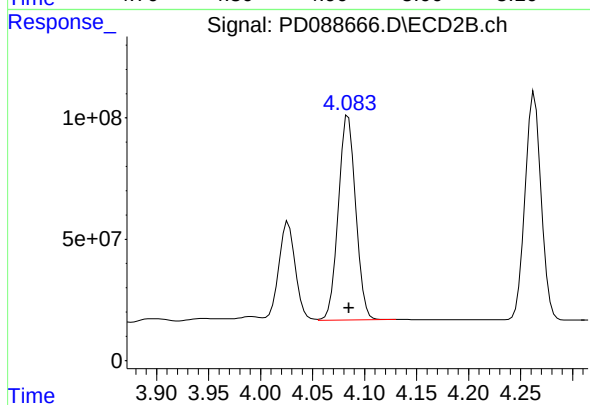
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1001661278
Conc: 45.19 ng/ml



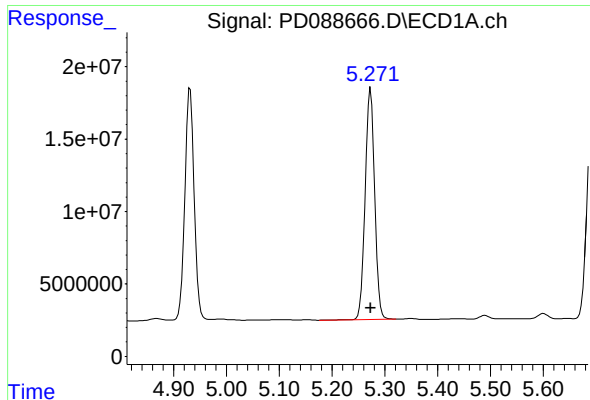
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 195054493
Conc: 43.62 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 980648129
Conc: 43.67 ng/ml



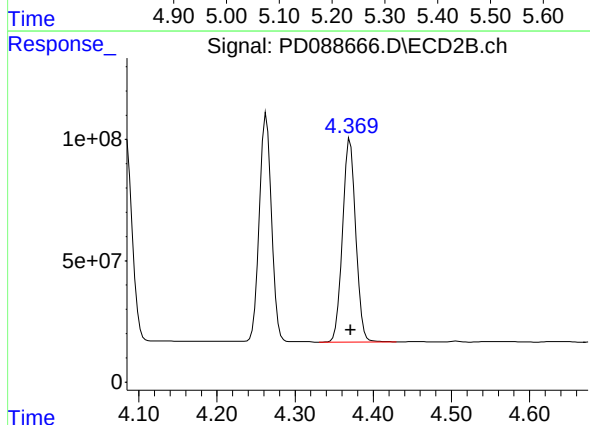
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 199318217
Conc: 45.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

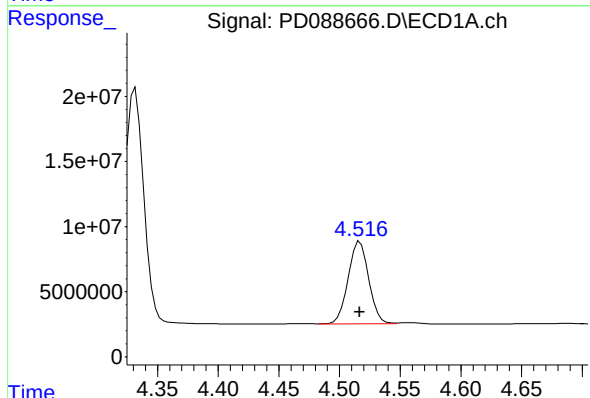
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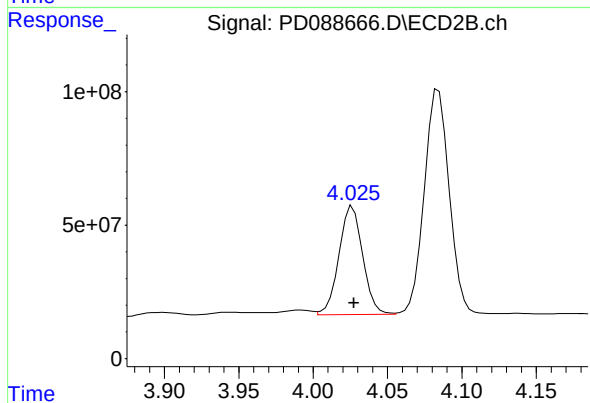
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 988679270
Conc: 45.08 ng/ml



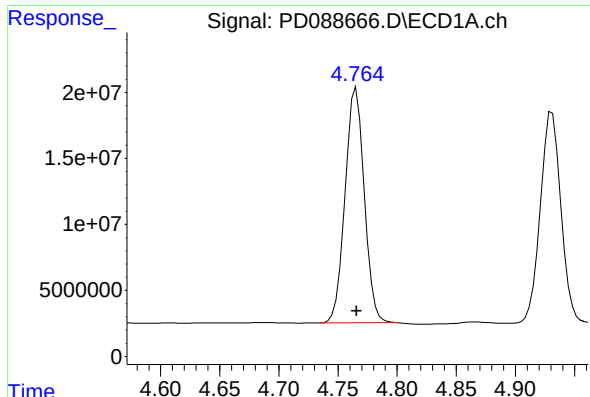
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.000 min
Response: 74900712
Conc: 41.54 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 453072117
Conc: 46.51 ng/ml



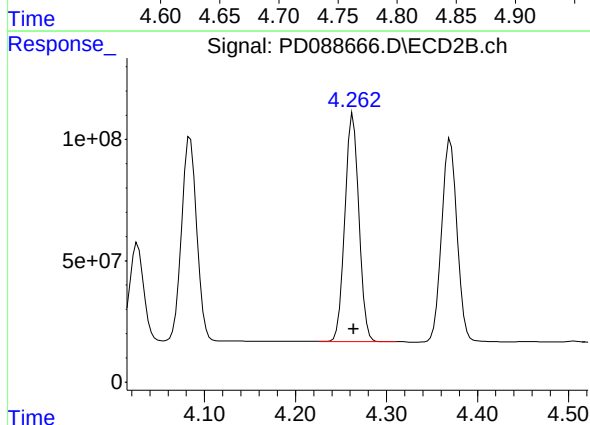
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 201028287
Conc: 47.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

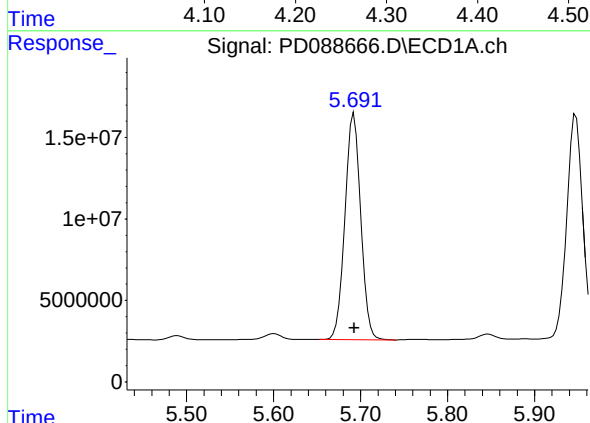
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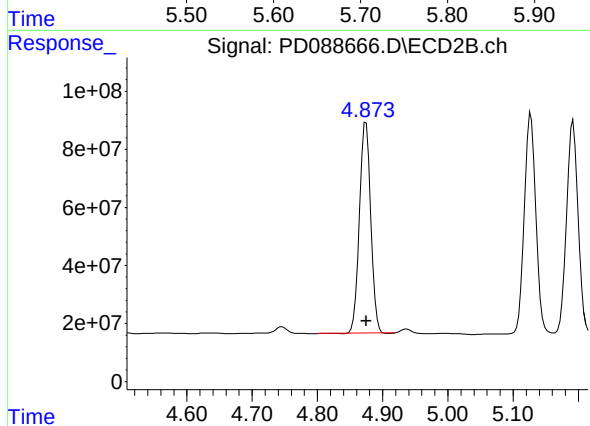
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1005477568
Conc: 45.10 ng/ml



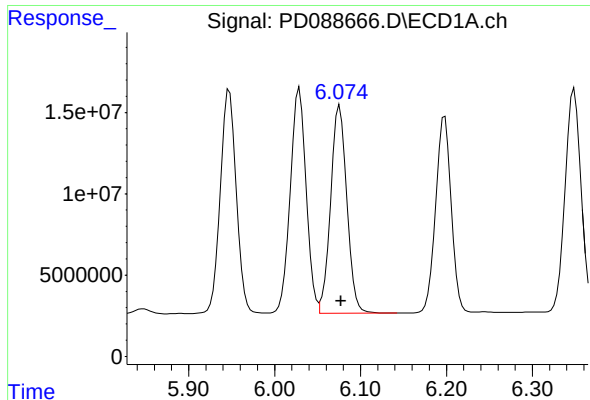
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 176011191
Conc: 44.34 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 873793713
Conc: 43.97 ng/ml



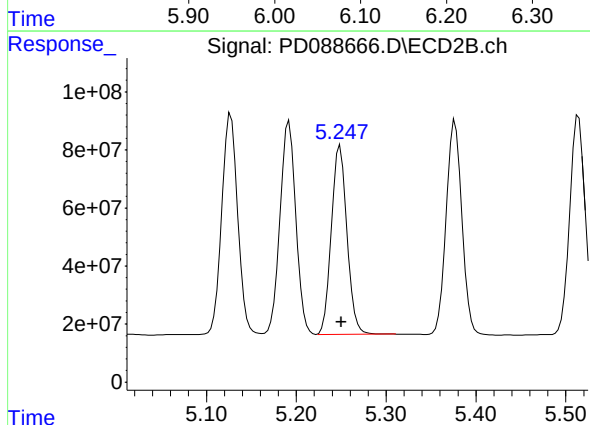
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 168577528
Conc: 44.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

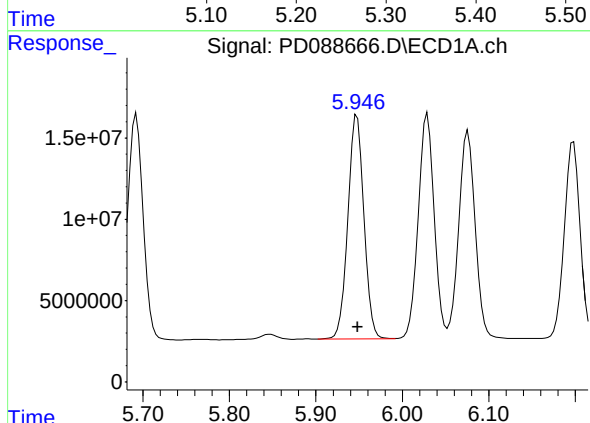
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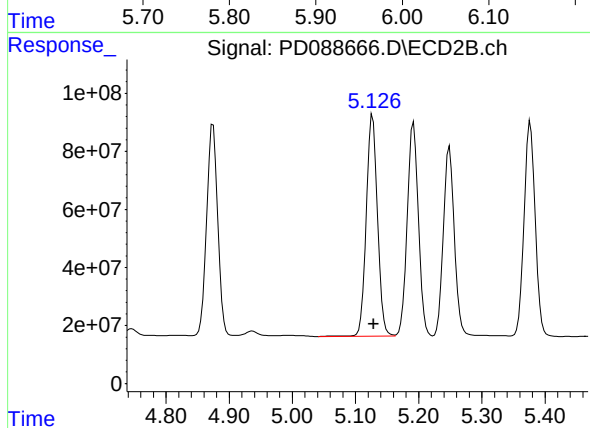
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 785573910
Conc: 41.39 ng/ml



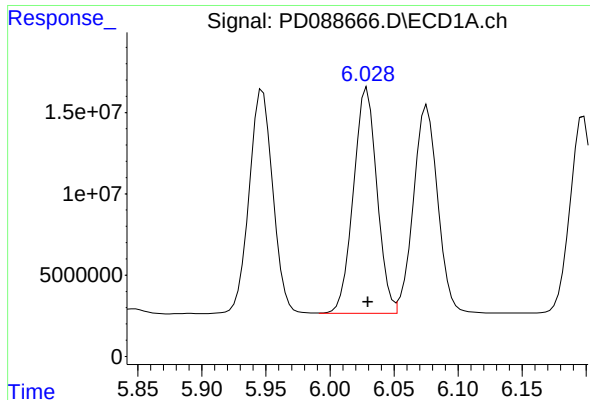
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 177478220
Conc: 44.49 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 944623561
Conc: 44.28 ng/ml



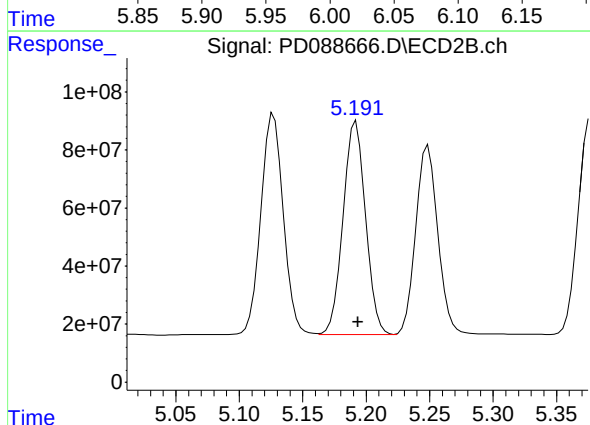
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: 0.000 min
Response: 177770449
Conc: 44.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

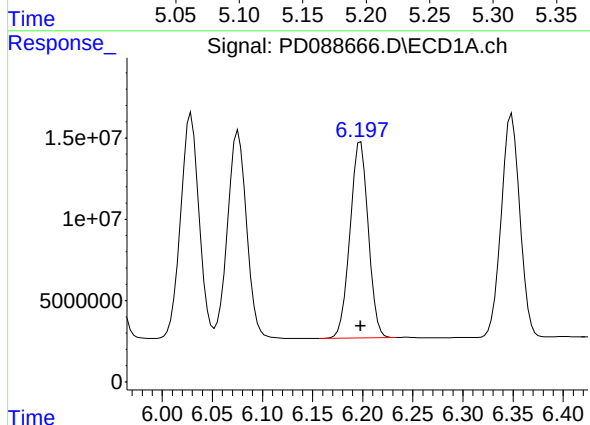
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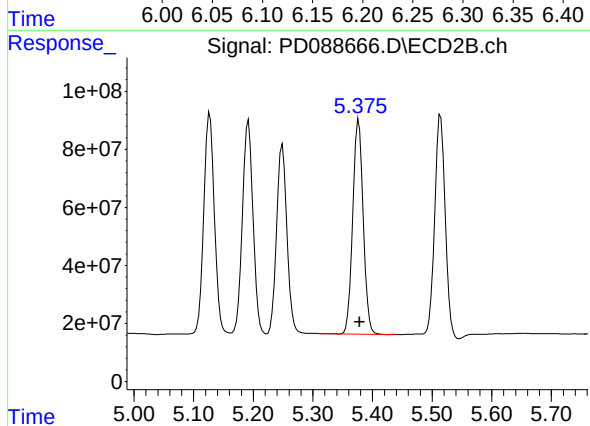
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 904782178
Conc: 43.87 ng/ml



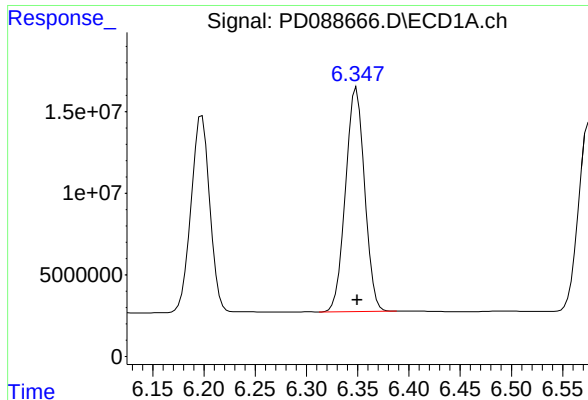
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.000 min
Response: 152820228
Conc: 42.58 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.001 min
Response: 898046248
Conc: 42.96 ng/ml



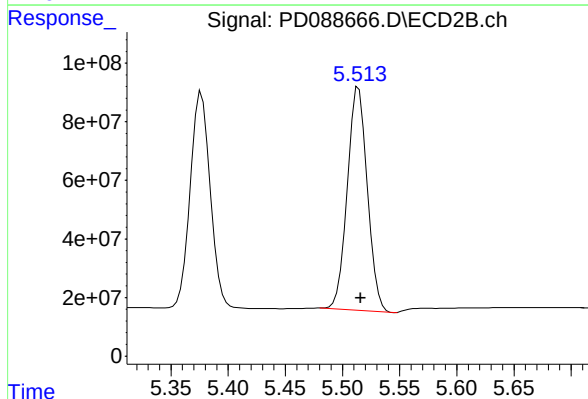
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 177214922
Conc: 44.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
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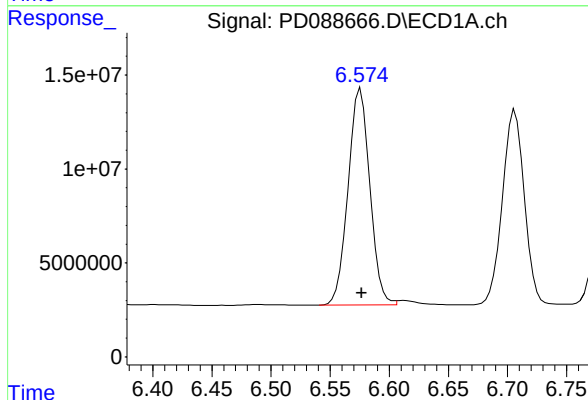
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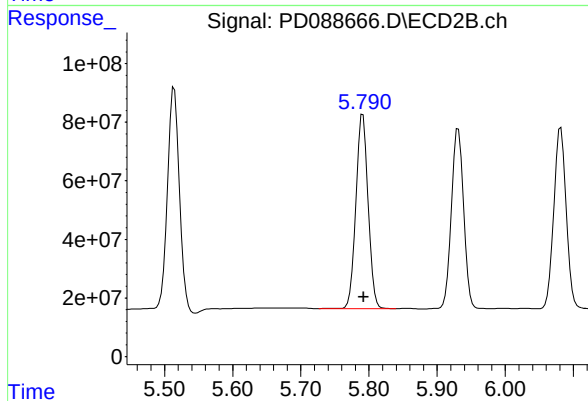
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 933813551
Conc: 44.37 ng/ml



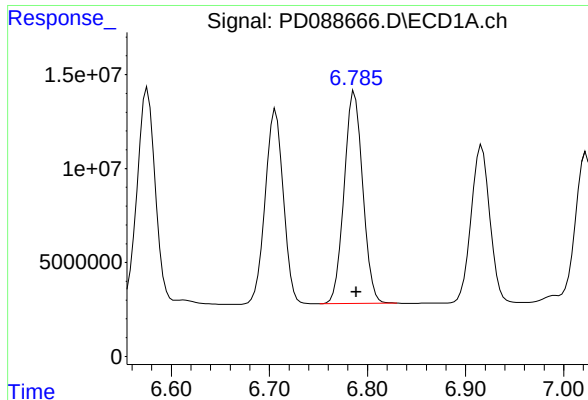
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 147545176
Conc: 43.20 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.001 min
Response: 828151604
Conc: 42.95 ng/ml



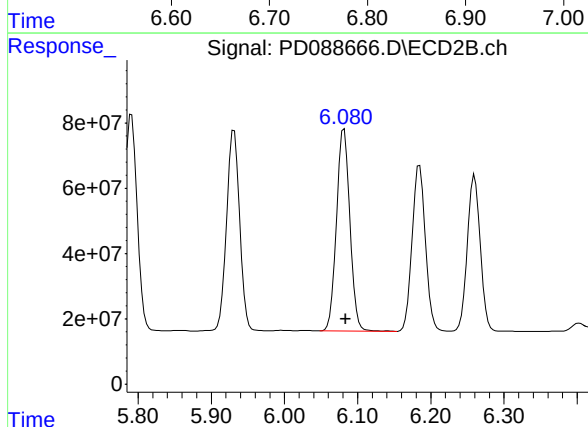
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: -0.002 min
Response: 148633599
Conc: 43.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

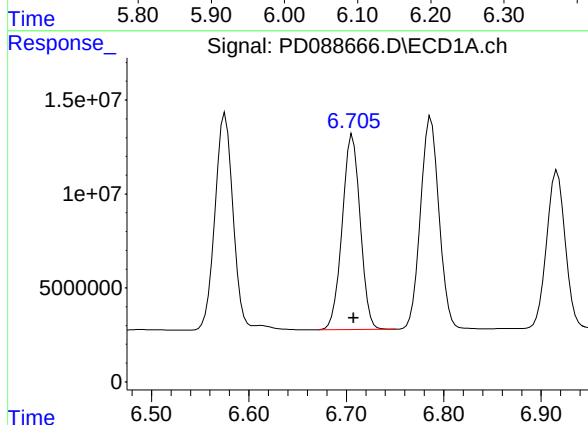
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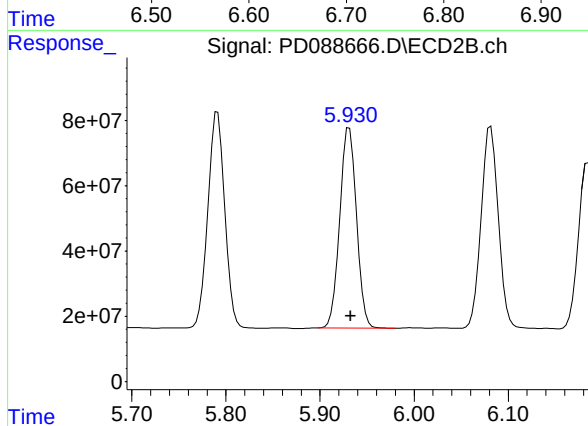
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 788802464
Conc: 43.05 ng/ml



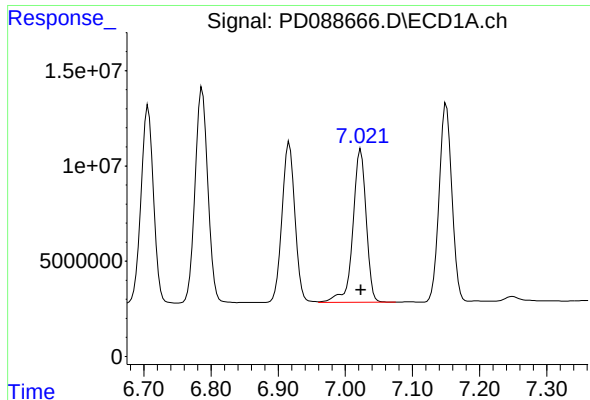
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.001 min
Response: 133230455
Conc: 47.84 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.002 min
Response: 760984139
Conc: 43.75 ng/ml



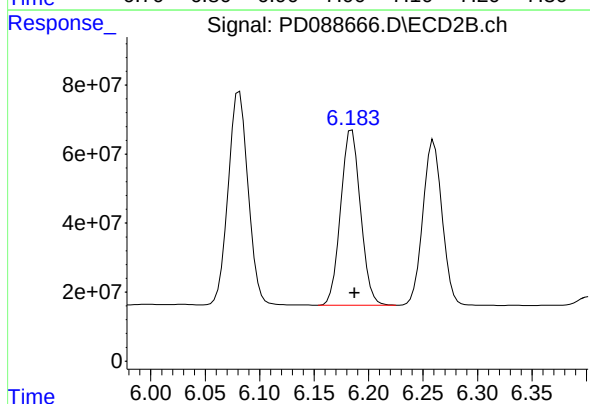
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 111168355
Conc: 35.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
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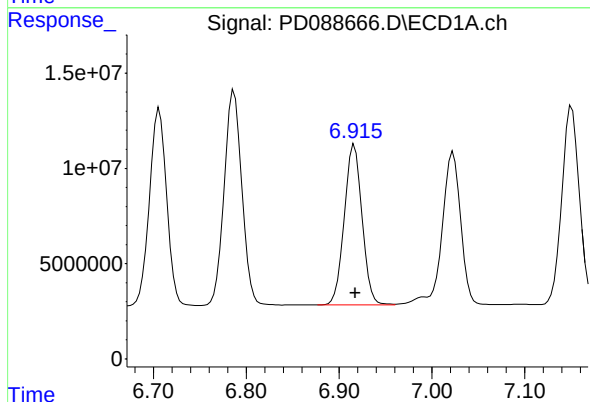
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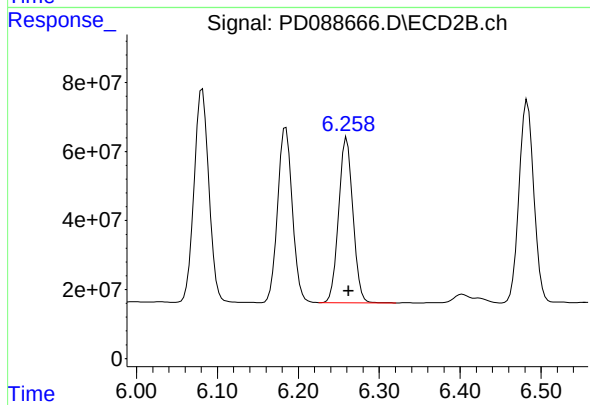
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 644687494
Conc: 35.54 ng/ml



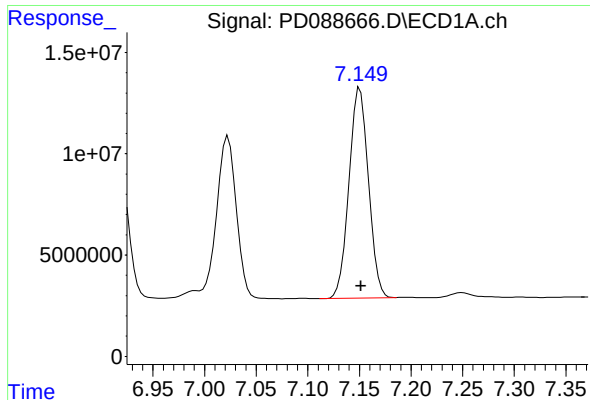
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.000 min
Response: 112213385
Conc: 43.58 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 588476337
Conc: 42.25 ng/ml



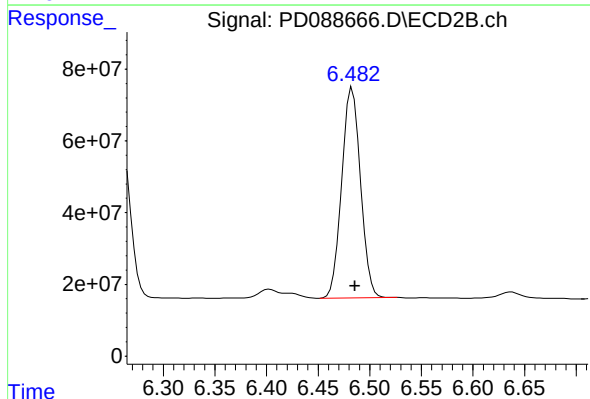
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: -0.001 min
Response: 136066615
Conc: 42.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

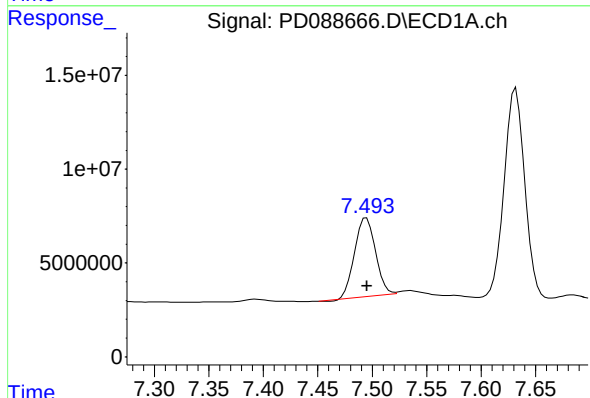
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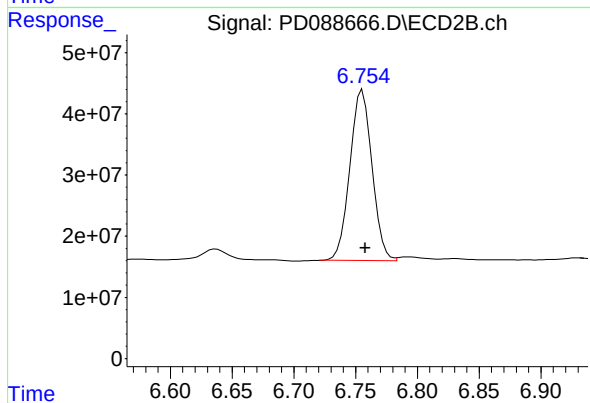
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 742717315
Conc: 41.83 ng/ml



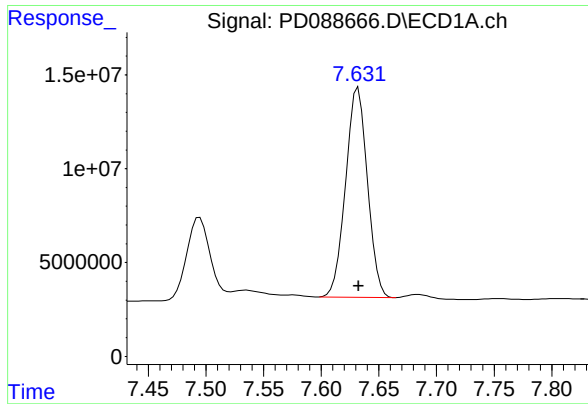
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 55705340
Conc: 33.35 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: -0.004 min
Response: 348617085
Conc: 36.41 ng/ml m



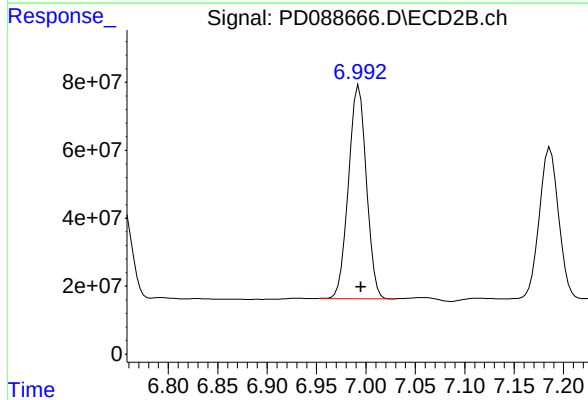
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 146475512
Conc: 42.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

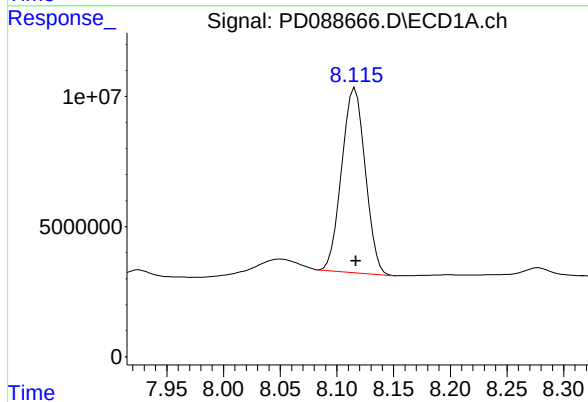
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APPROVED

Reviewed By :Abdul Mirza 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



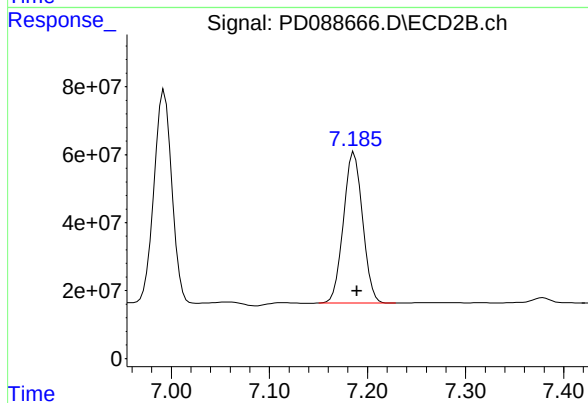
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 790350575
Conc: 40.85 ng/ml



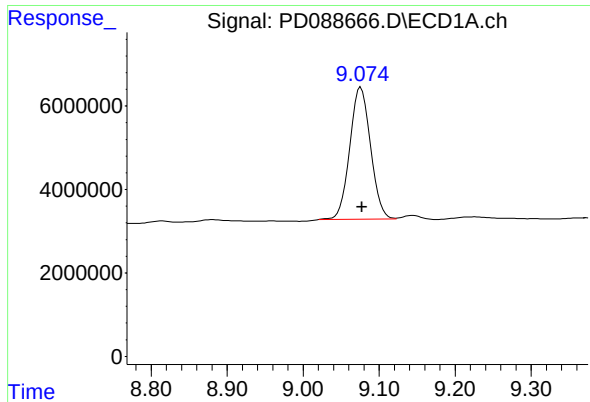
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 102938049
Conc: 39.62 ng/ml m



#22 Mirex

R.T.: 7.186 min
Delta R.T.: -0.003 min
Response: 602683323
Conc: 39.64 ng/ml



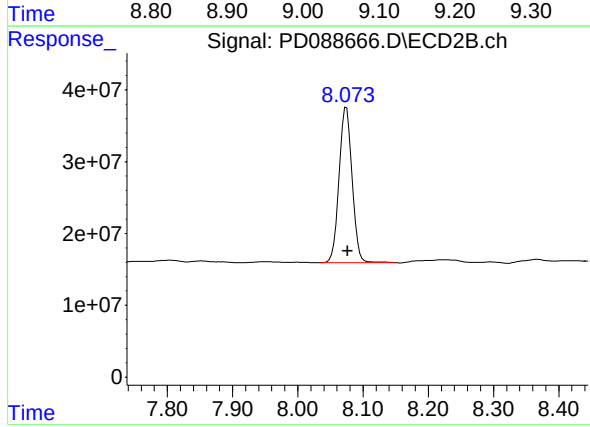
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: -0.002 min
Response: 60216282
Conc: 17.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-20MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 301292003
Conc: 16.50 ng/ml