

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088728.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 15:59
 Operator : AR\AJ
 Sample : Q2100-04MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-45MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/27/2025
 Supervised By : mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:45:42 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	2.881	44023026	327.6E6	20.346	21.654
28)	SA Decachlor...	9.076	8.075	69953443	347.5E6	20.440	19.035
Target Compounds							
2)	A alpha-BHC	4.000	3.394	251.7E6	1232.0E6	52.685	51.541
3)	MA gamma-BHC...	4.331	3.731	242.3E6	1130.1E6	52.644	50.982
4)	MA Heptachlor	4.931	4.084	227.5E6	1096.6E6	50.877	48.834
5)	MB Aldrin	5.273	4.370	231.0E6	1110.4E6	52.569	50.632
6)	B beta-BHC	4.516	4.027	91506258	505.6E6	50.748	51.898
7)	B delta-BHC	4.765	4.263	238.7E6	1137.7E6	56.485	51.033
8)	B Heptachlo...	5.692	4.874	205.5E6	989.5E6	51.767	49.797
9)	A Endosulfan I	6.076	5.248	193.6E6	934.7E6	51.447	49.249
10)	B gamma-Chl...	5.948	5.127	204.9E6	1065.4E6	51.377	49.943
11)	B alpha-Chl...	6.029	5.192	206.0E6	1025.8E6	51.423	49.737
12)	B 4,4'-DDE	6.197	5.377	185.9E6	1015.0E6	51.790	48.560
13)	MA Dieldrin	6.349	5.514	206.7E6	1042.2E6	51.526	49.525
14)	MA Endrin	6.576	5.791	170.9E6	924.1E6	50.041	47.922
15)	B Endosulfa...	6.788	6.080	173.0E6	890.3E6	50.246	48.591m
16)	A 4,4'-DDD	6.707	5.931	157.9E6	871.1E6	56.686	50.088
17)	MA 4,4'-DDT	7.023	6.185	131.4E6	752.3E6	42.077	41.478
18)	B Endrin al...	6.917	6.260	126.9E6	660.6E6	49.276	47.428
19)	B Endosulfa...	7.151	6.483	160.7E6	840.5E6	50.161	47.335
20)	A Methoxychlor	7.495	6.756	68592962	378.8E6	41.060	39.567
21)	B Endrin ke...	7.632	6.993	171.4E6	1015.6E6	50.073	52.494
22)	Mirex	8.117	7.187	123.6E6	689.3E6	47.554	45.339

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

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Data File : PD088728.D
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Acq On : 22 May 2025 15:59
Operator : AR\AJ
Sample : Q2100-04MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-45MSD

Manual Integrations

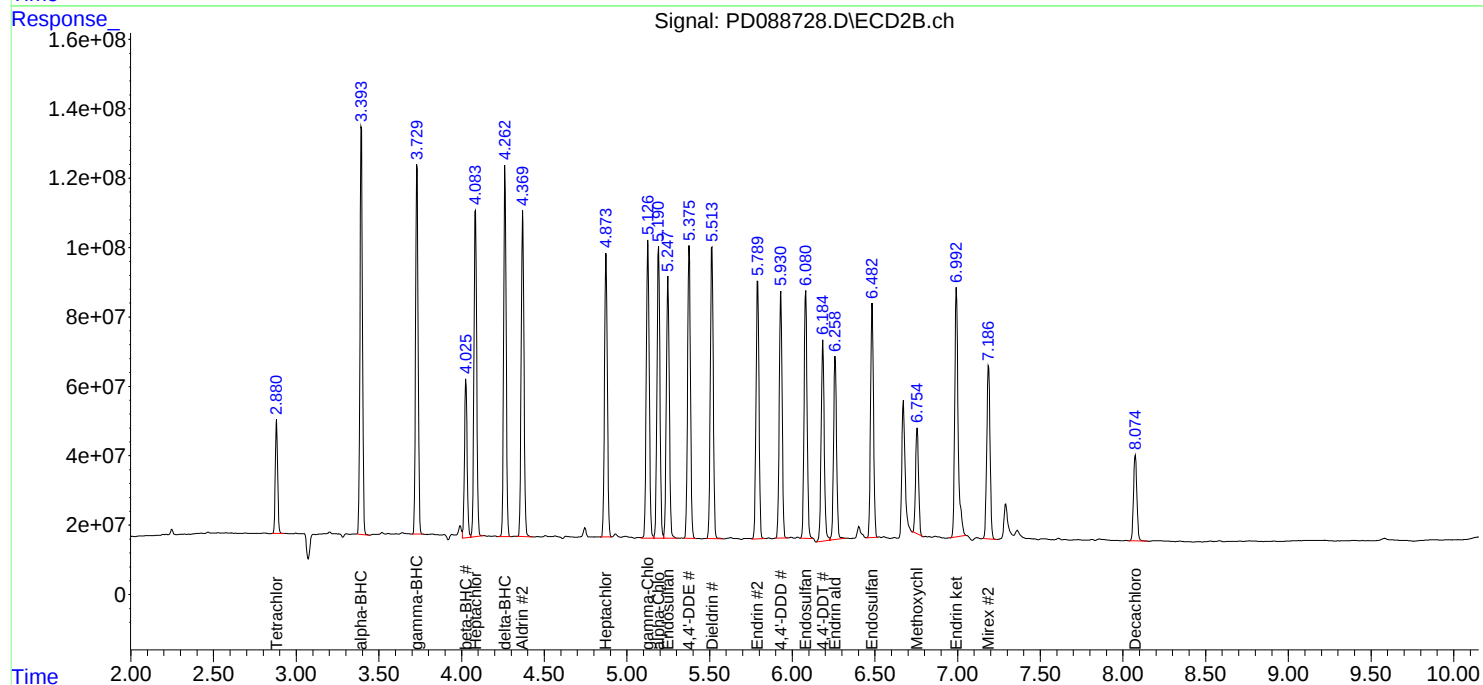
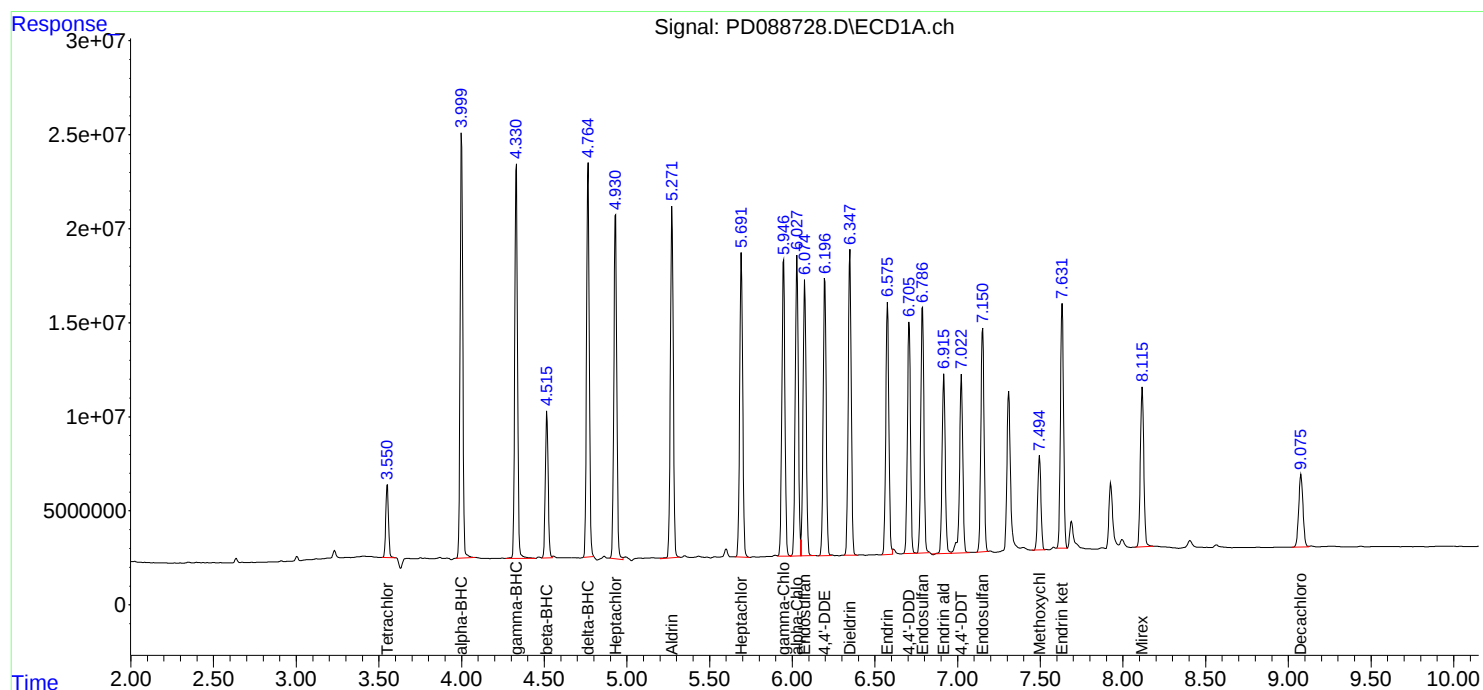
APPROVED

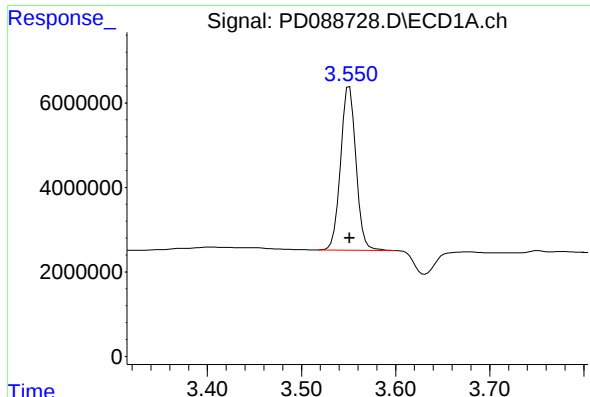
Reviewed By :Abdul Mirza 05/27/2025

Supervised By :mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 22:45:42 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
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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





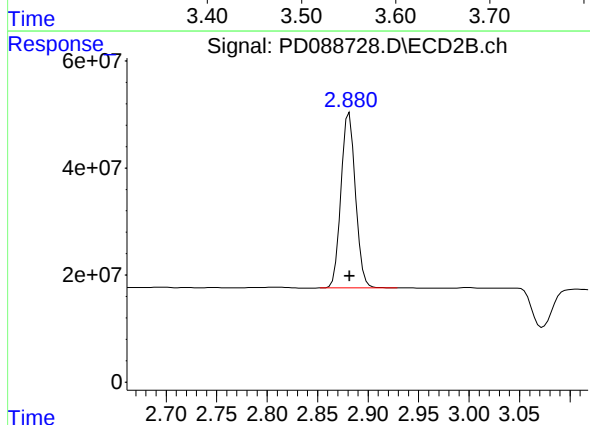
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 44023026
Conc: 20.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

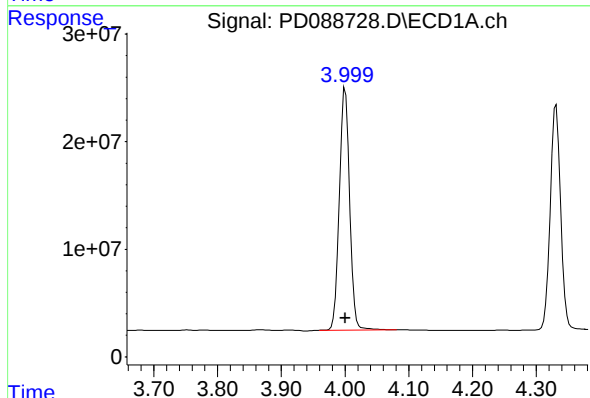
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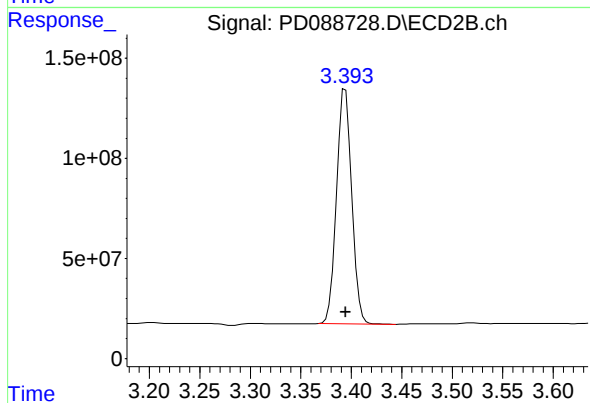
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 327557588
Conc: 21.65 ng/ml



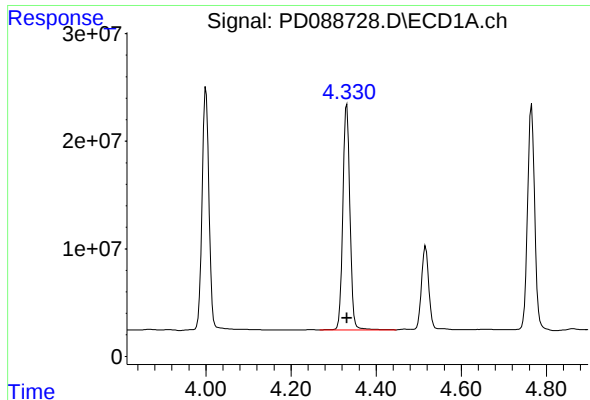
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 251654075
Conc: 52.69 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1232017830
Conc: 51.54 ng/ml



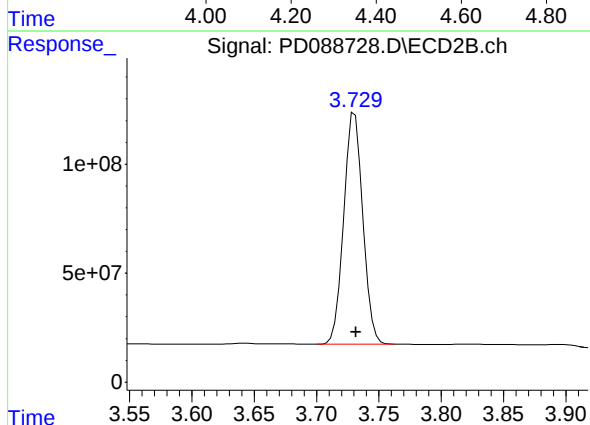
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 242306433
Conc: 52.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

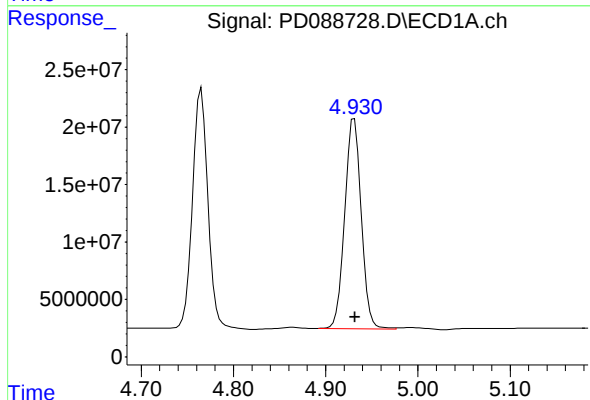
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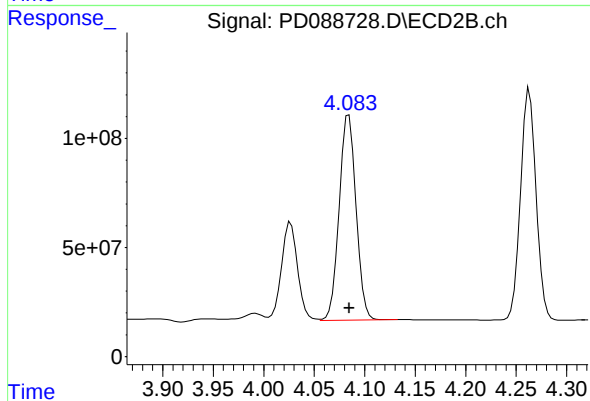
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1130058562
Conc: 50.98 ng/ml



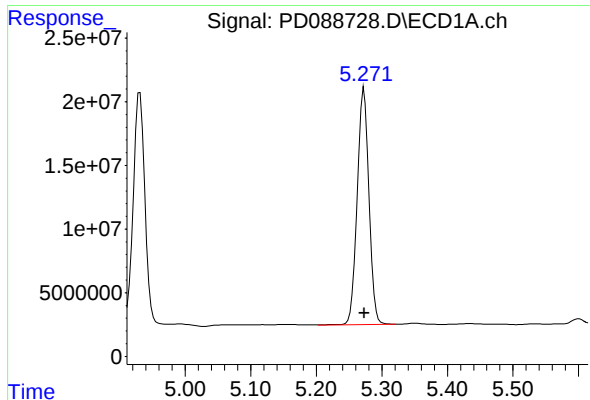
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 227484496
Conc: 50.88 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 1096551559
Conc: 48.83 ng/ml



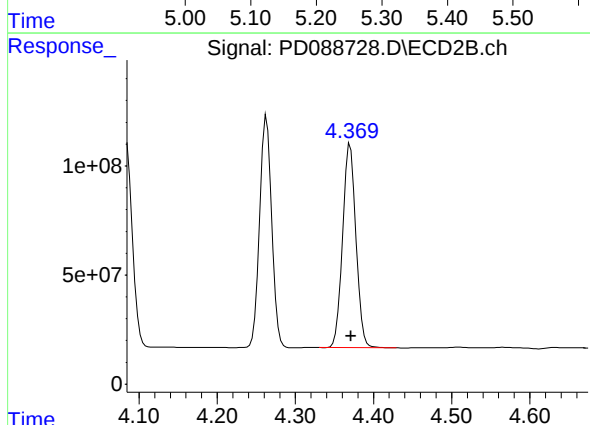
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 231015266
Conc: 52.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

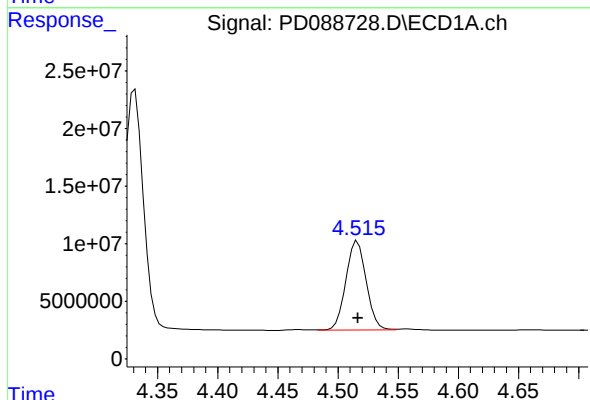
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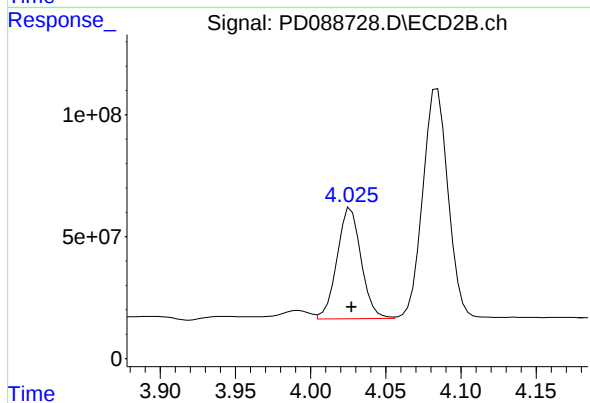
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.001 min
Response: 1110352627
Conc: 50.63 ng/ml



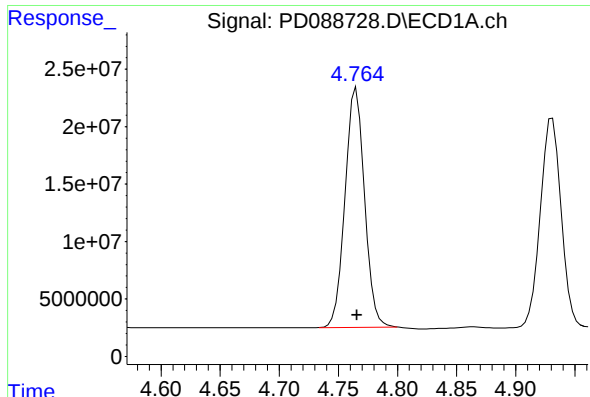
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 91506258
Conc: 50.75 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 505585696
Conc: 51.90 ng/ml



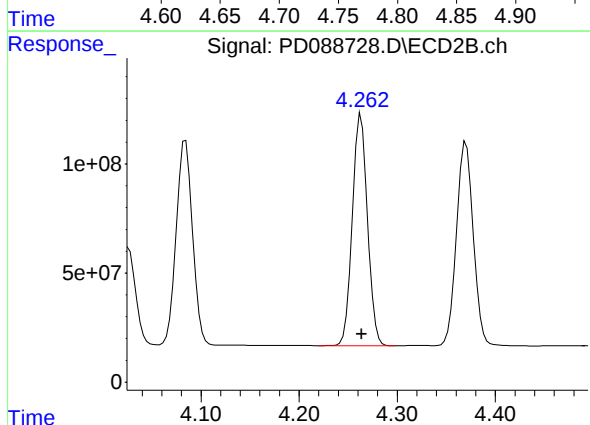
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 238713317
Conc: 56.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

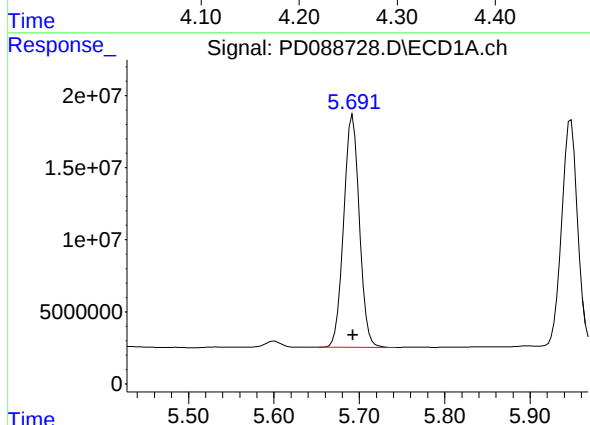
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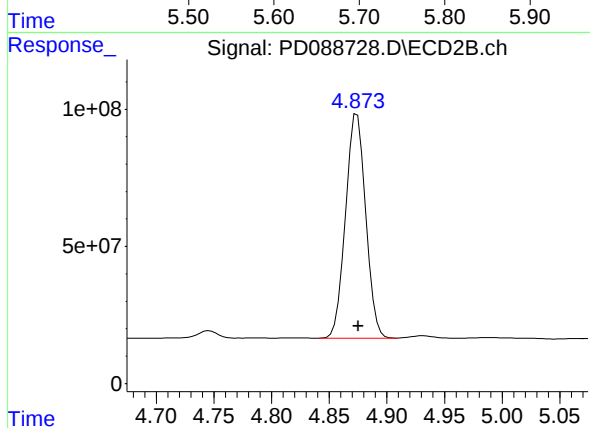
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1137738466
Conc: 51.03 ng/ml



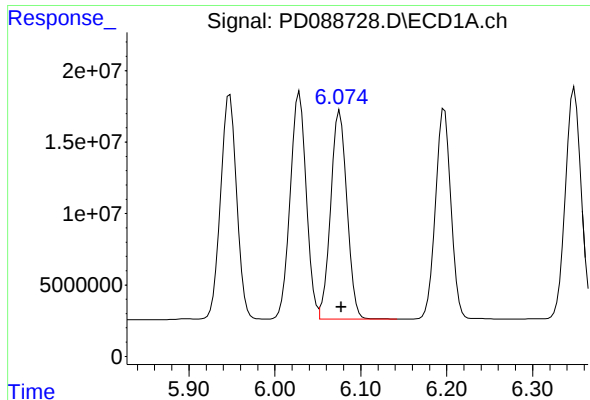
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 205479782
Conc: 51.77 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 989531767
Conc: 49.80 ng/ml



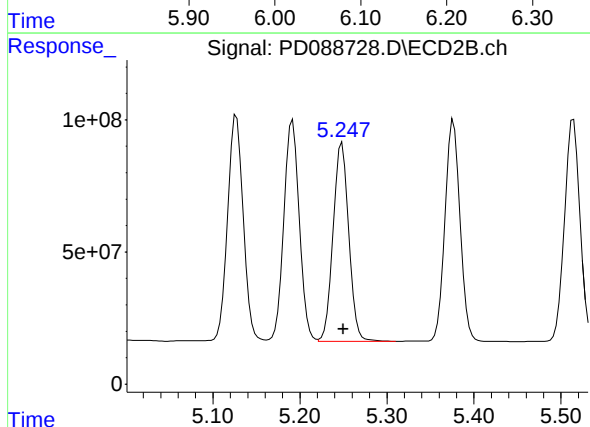
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 193591681
Conc: 51.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

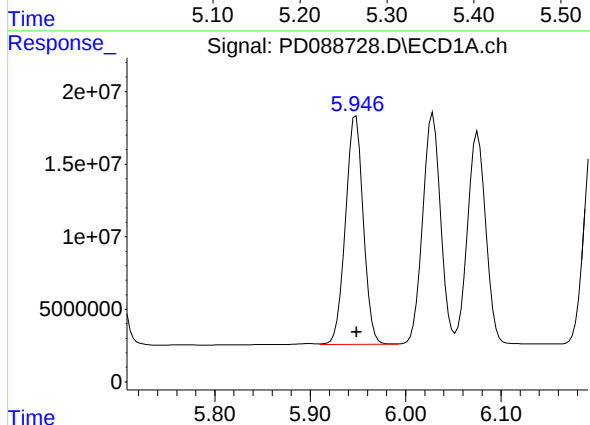
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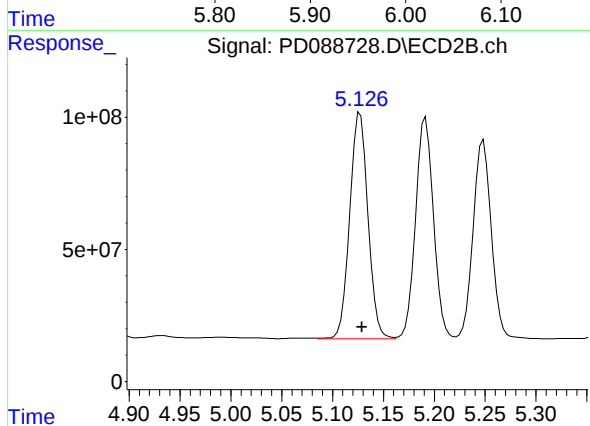
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.002 min
Response: 934672037
Conc: 49.25 ng/ml



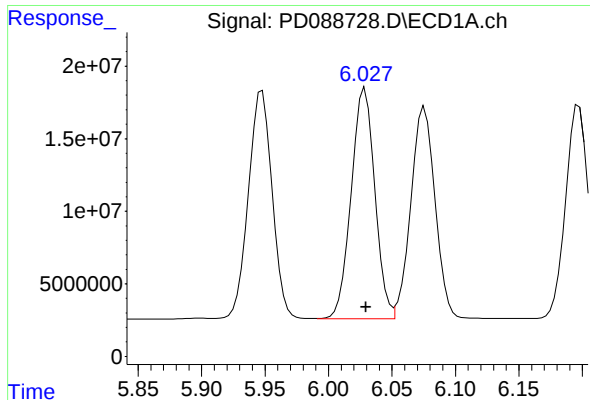
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 204939759
Conc: 51.38 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 1065376256
Conc: 49.94 ng/ml



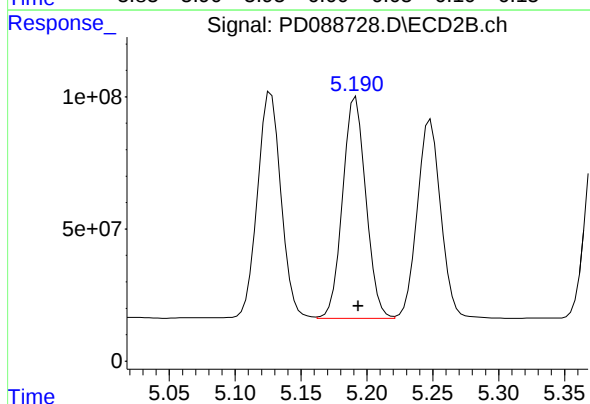
#11 alpha-Chlordane

R.T.: 6.029 min
Delta R.T.: -0.001 min
Response: 206012818
Conc: 51.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

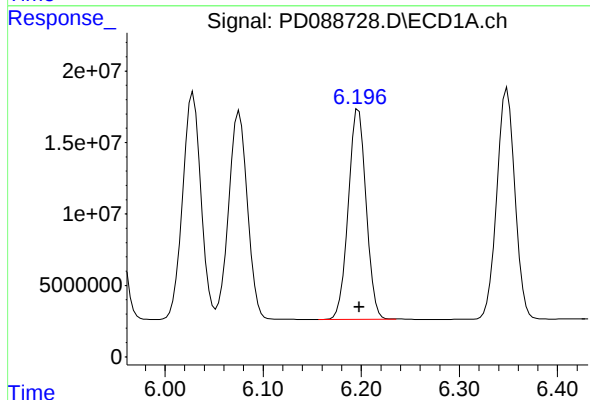
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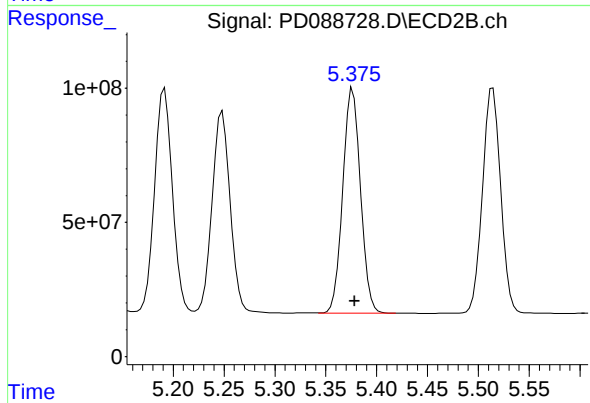
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 1025826747
Conc: 49.74 ng/ml



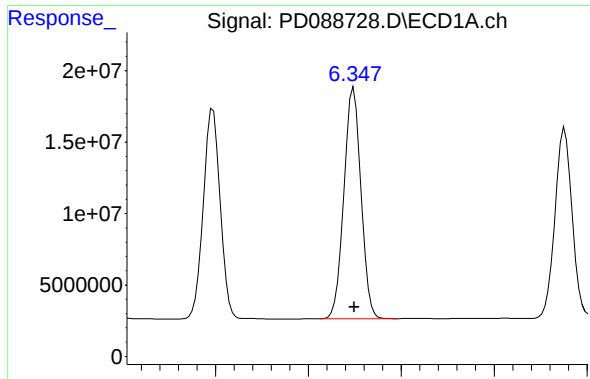
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 185893494
Conc: 51.79 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.002 min
Response: 1015040945
Conc: 48.56 ng/ml



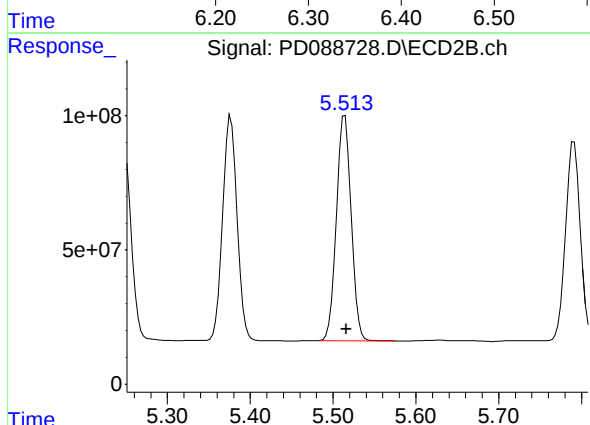
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 206709536
Conc: 51.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

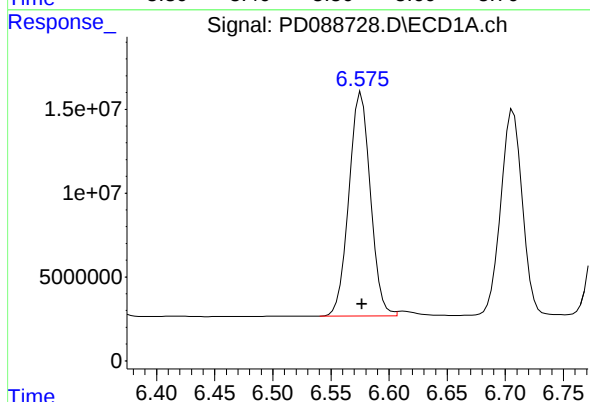
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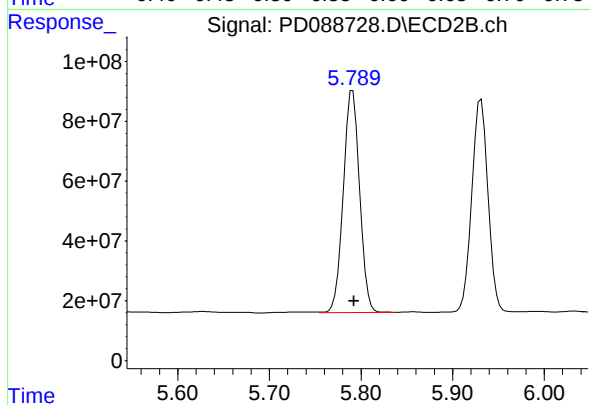
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 1042207085
Conc: 49.53 ng/ml



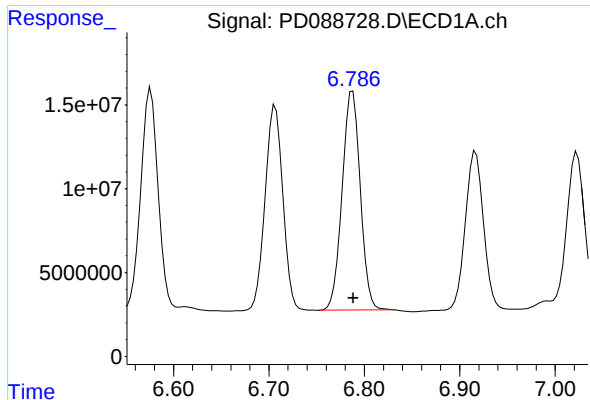
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 170898475
Conc: 50.04 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.001 min
Response: 924119586
Conc: 47.92 ng/ml



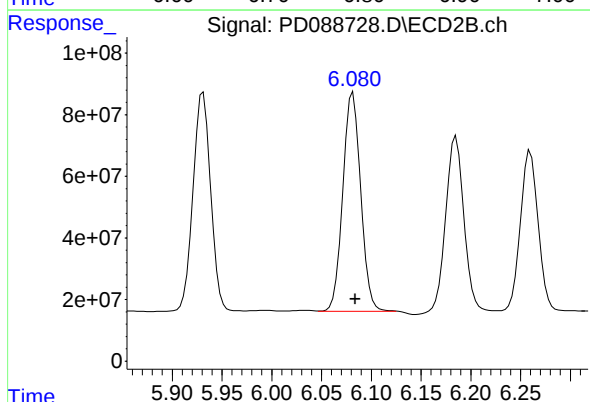
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.000 min
Response: 173026880
Conc: 50.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

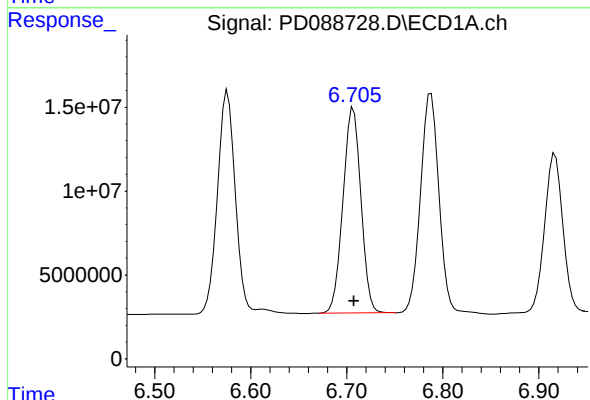
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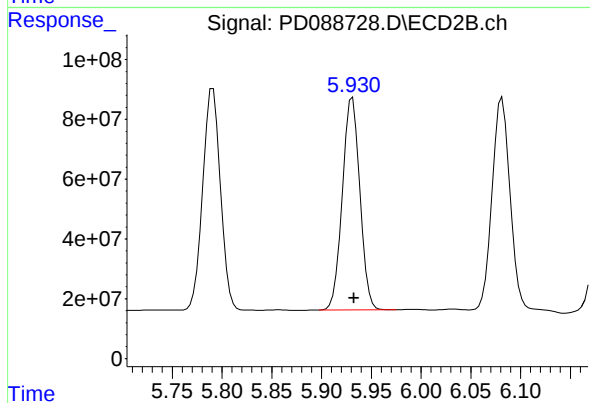
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.004 min
Response: 890271661
Conc: 48.59 ng/ml m



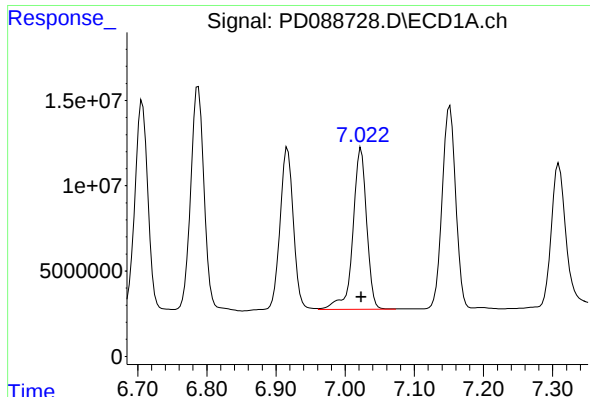
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.000 min
Response: 157875637
Conc: 56.69 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.002 min
Response: 871146950
Conc: 50.09 ng/ml



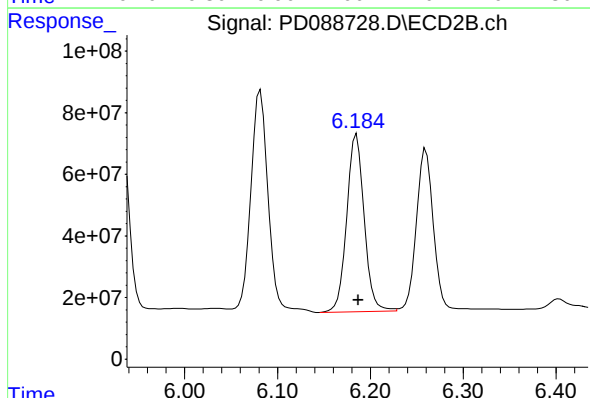
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 131365355
Conc: 42.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

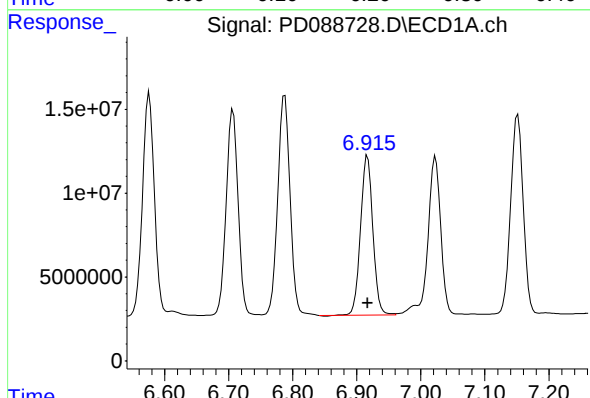
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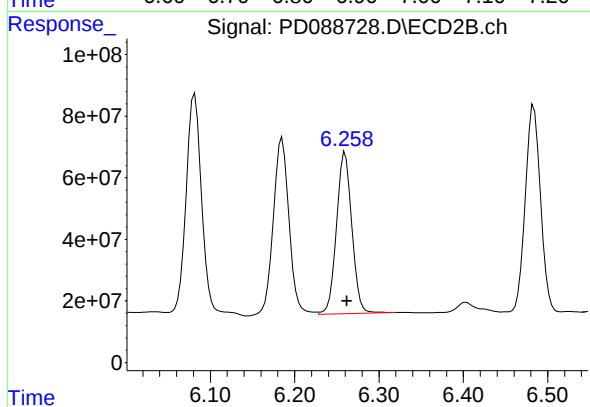
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 752296593
Conc: 41.48 ng/ml



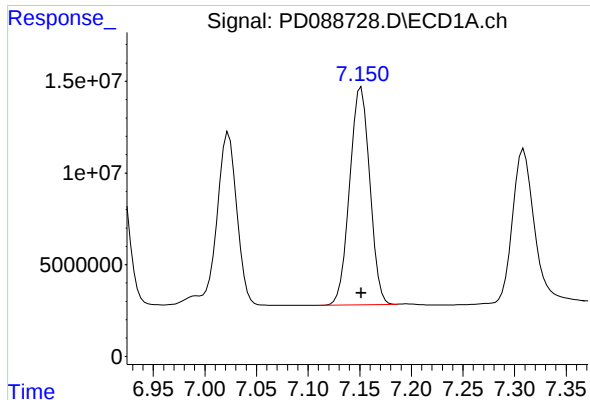
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 126865651
Conc: 49.28 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 660617573
Conc: 47.43 ng/ml



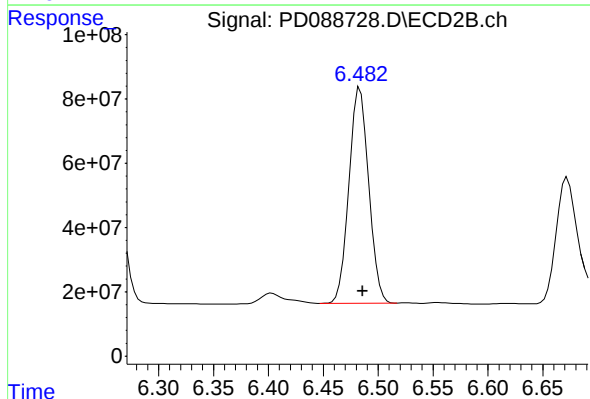
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 160668951
Conc: 50.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

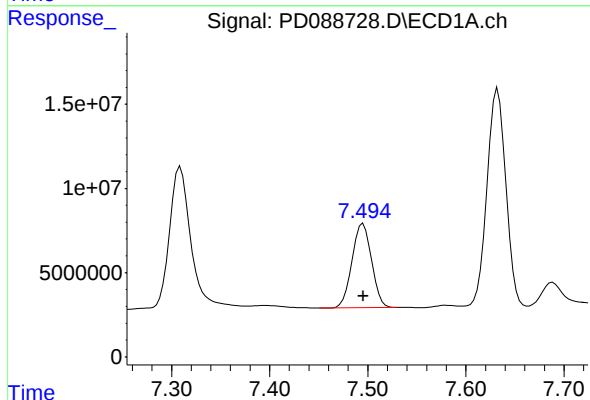
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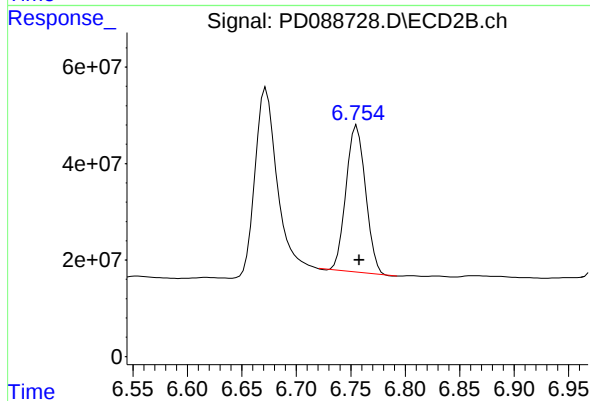
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.002 min
Response: 840477336
Conc: 47.34 ng/ml



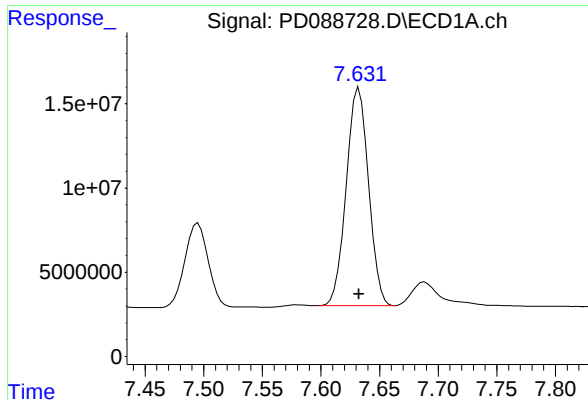
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.000 min
Response: 68592962
Conc: 41.06 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 378848151
Conc: 39.57 ng/ml



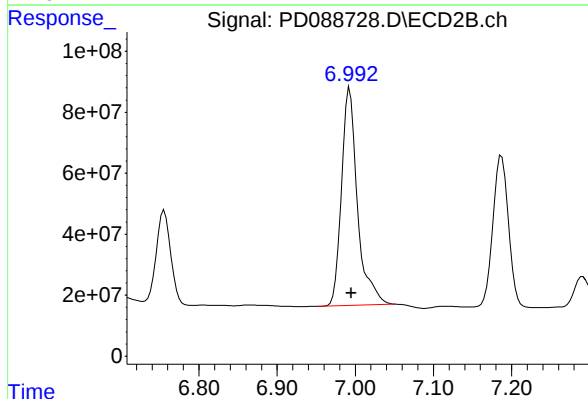
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 171406198
Conc: 50.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

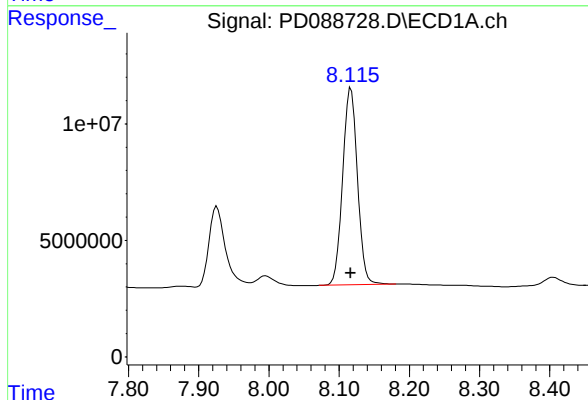
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/27/2025
Supervised By :mohammad ahmed 05/28/2025



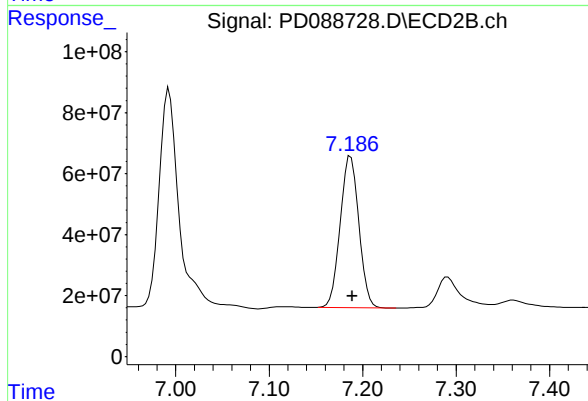
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 1015621414
Conc: 52.49 ng/ml



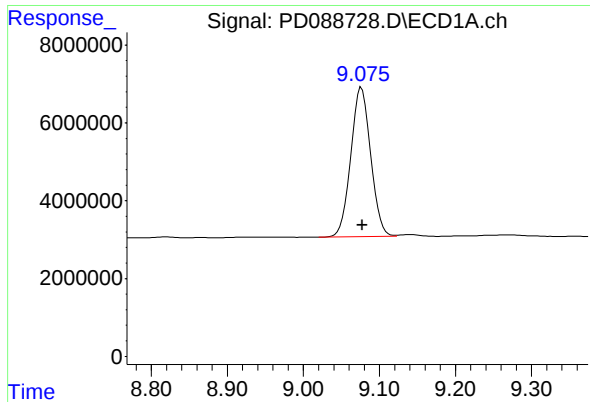
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.000 min
Response: 123557690
Conc: 47.55 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 689265954
Conc: 45.34 ng/ml



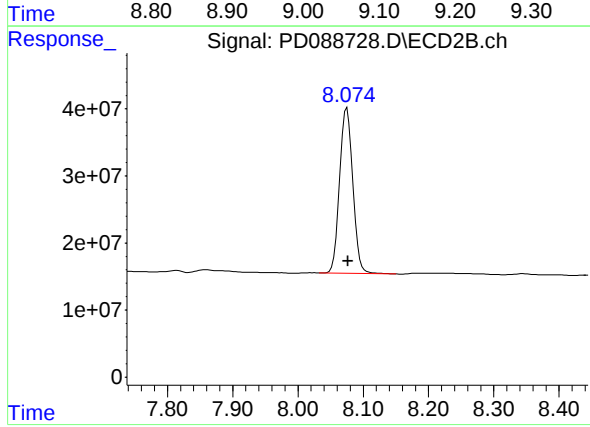
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.000 min
Response: 69953443
Conc: 20.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-45MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 05/28/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 347512152
Conc: 19.04 ng/ml