

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
 Data File : PD088541.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 20:40
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/14/2025
 Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 22:49:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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...	3.551	2.882	109.8E6	715.0E6	54.949	48.899
28)	SA Decachlor...	9.073	8.074	164.1E6	784.2E6	49.603	42.436
Target Compounds							
2)	A alpha-BHC	4.000	3.395	249.4E6	1137.0E6	57.844	49.736
3)	MA gamma-BHC...	4.331	3.731	238.3E6	1048.8E6	56.917	48.694
4)	MA Heptachlor	4.931	4.084	231.6E6	1043.3E6	57.350	48.754
5)	MB Aldrin	5.272	4.369	227.8E6	1026.5E6	57.665	49.346m
6)	B beta-BHC	4.516	4.027	90970562	447.1E6	56.038	48.312
7)	B delta-BHC	4.764	4.263	241.6E6	1051.8E6	58.575	49.470
8)	B Heptachlo...	5.692	4.874	204.9E6	918.5E6	57.332	48.615
9)	A Endosulfan I	6.075	5.248	194.6E6	728.9E6	57.636	40.468 #
10)	B gamma-Chl...	5.945	5.127	203.0E6	985.3E6	56.044m	48.548
11)	B alpha-Chl...	6.028	5.192	211.3E6	943.0E6	58.532	48.107
12)	B 4,4'-DDE	6.196	5.375	177.9E6	950.7E6	53.923	48.272m
13)	MA Dieldrin	6.348	5.514	202.4E6	964.1E6	56.717	48.369
14)	MA Endrin	6.575	5.790	163.8E6	885.7E6	54.923	48.657
15)	B Endosulfa...	6.786	6.081	171.1E6	844.6E6	54.727	48.205
16)	A 4,4'-DDD	6.705	5.931	145.0E6	796.1E6	57.667	48.586
17)	MA 4,4'-DDT	7.022	6.184	149.8E6	813.4E6	53.944	47.801
18)	B Endrin al...	6.915	6.259	124.0E6	616.2E6	53.714	46.326
19)	B Endosulfa...	7.150	6.483	157.4E6	800.1E6	54.715	46.698
20)	A Methoxychlor	7.493	6.755	78519945	424.2E6	52.363	46.505
21)	B Endrin ke...	7.631	6.992	168.4E6	869.4E6	54.563	46.483
22)	Mirex	8.114	7.186	124.2E6	668.4E6	52.895	45.097

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088541.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 20:40
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

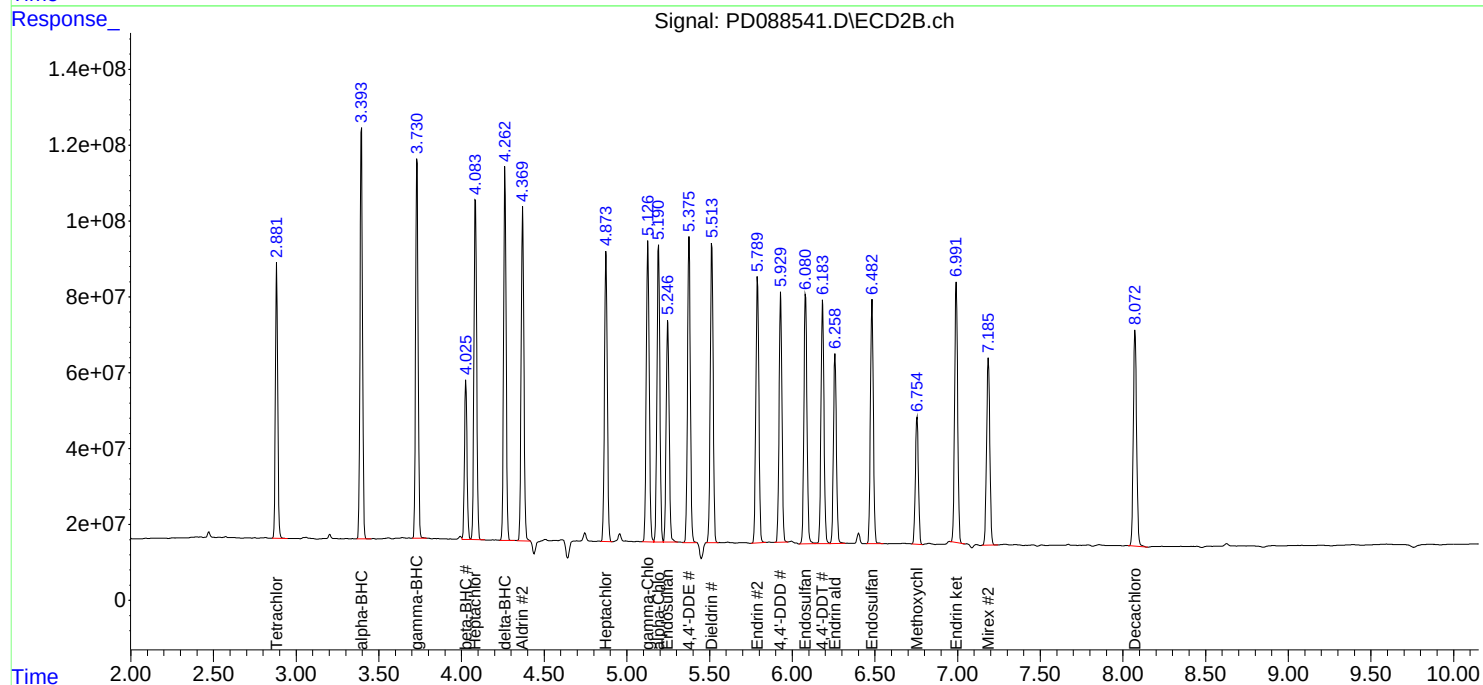
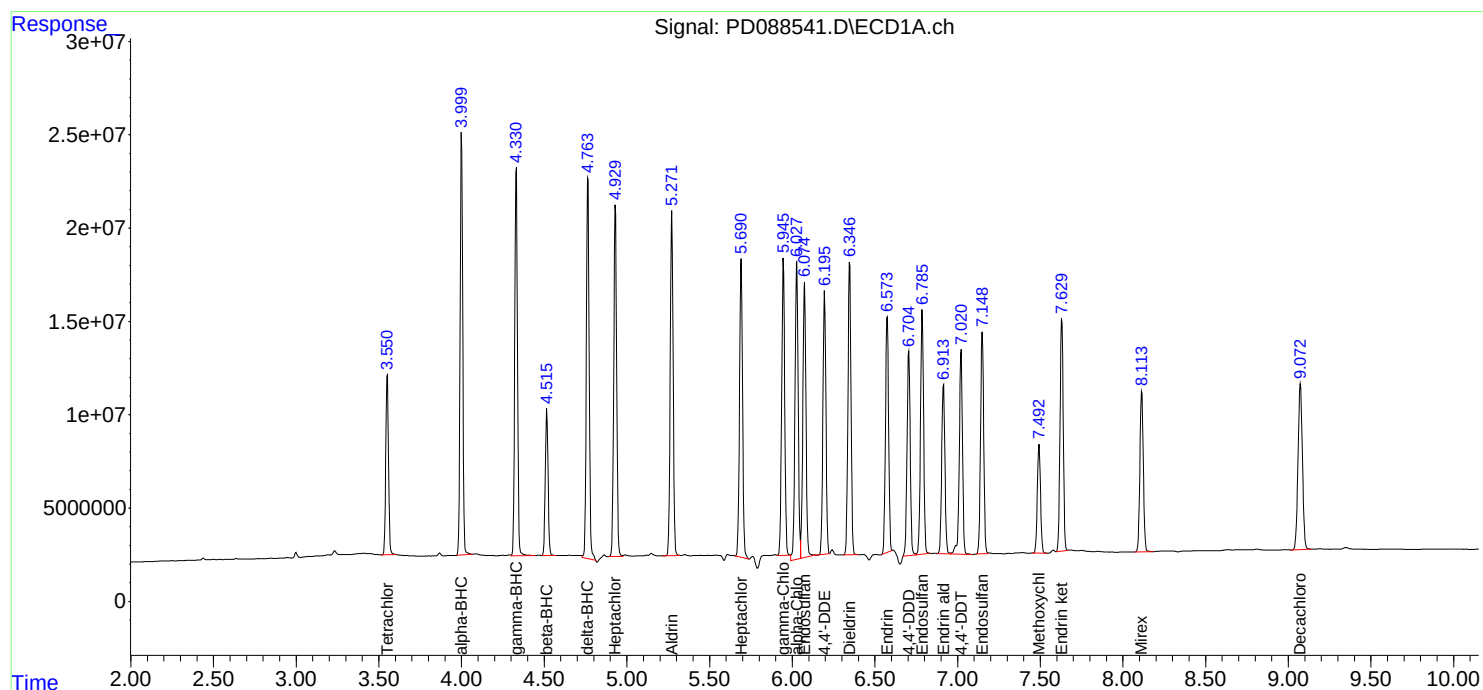
APPROVED

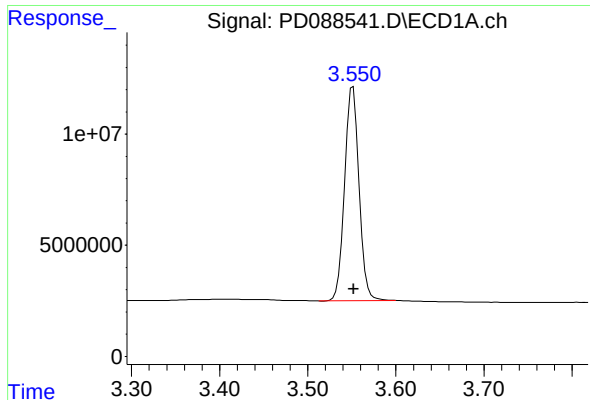
Reviewed By :Abdul Mirza 05/14/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 22:49:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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





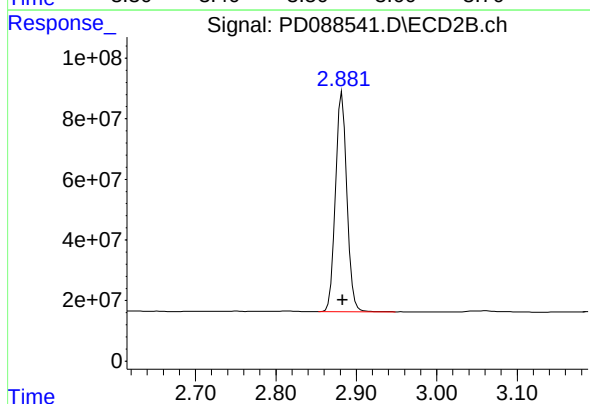
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 109754175
Conc: 54.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

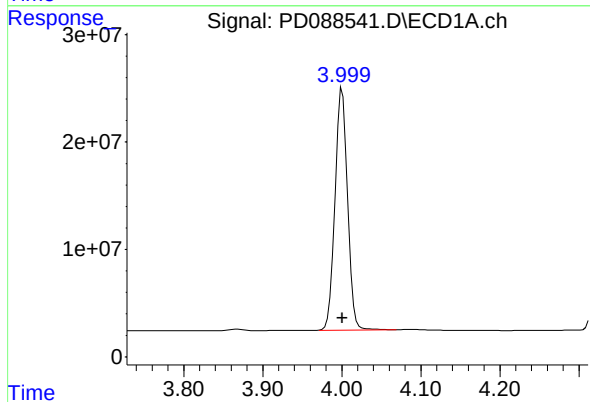
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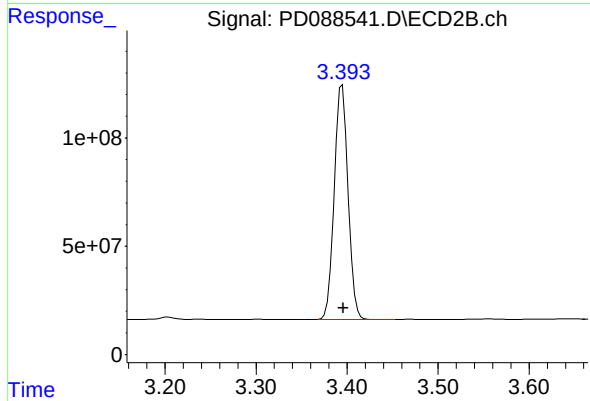
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 714985322
Conc: 48.90 ng/ml



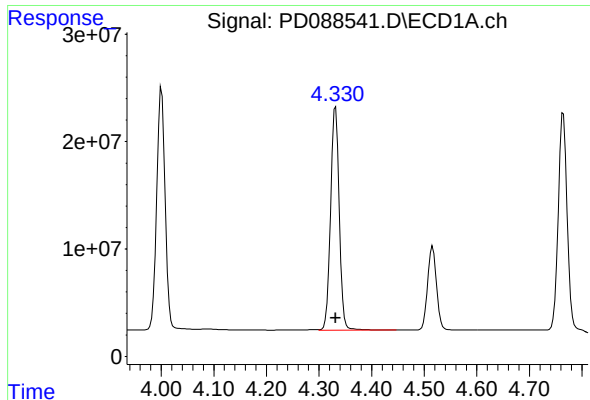
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 249421418
Conc: 57.84 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 1137038551
Conc: 49.74 ng/ml



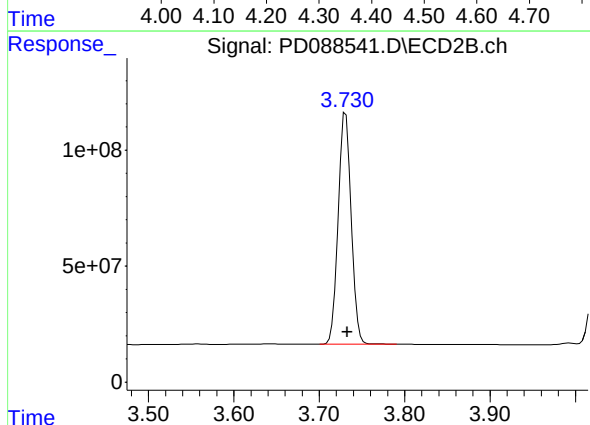
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 238342420
Conc: 56.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

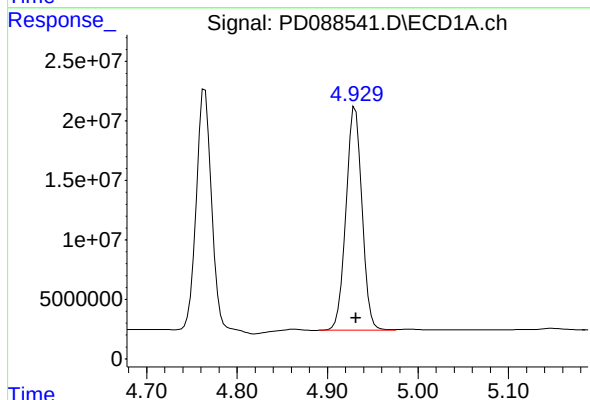
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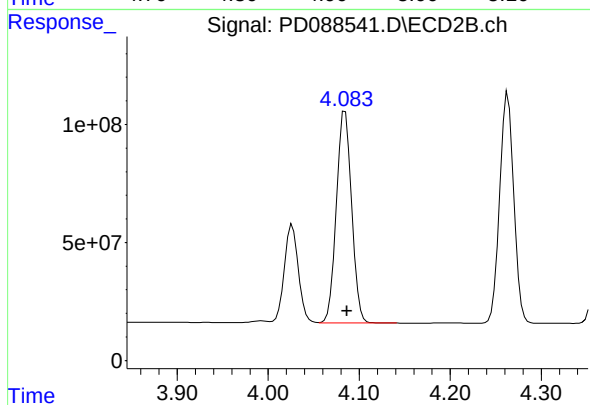
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 1048815181
Conc: 48.69 ng/ml



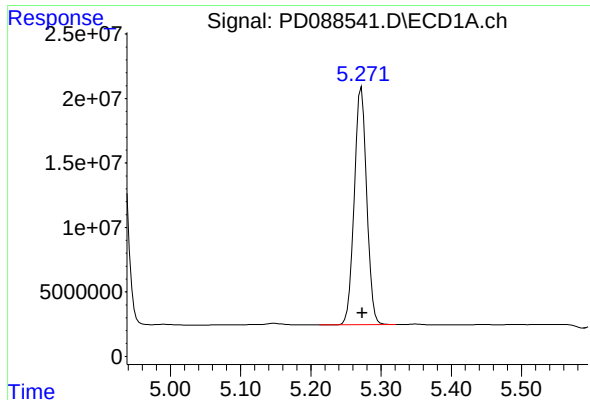
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 231634517
Conc: 57.35 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: -0.002 min
Response: 1043254698
Conc: 48.75 ng/ml



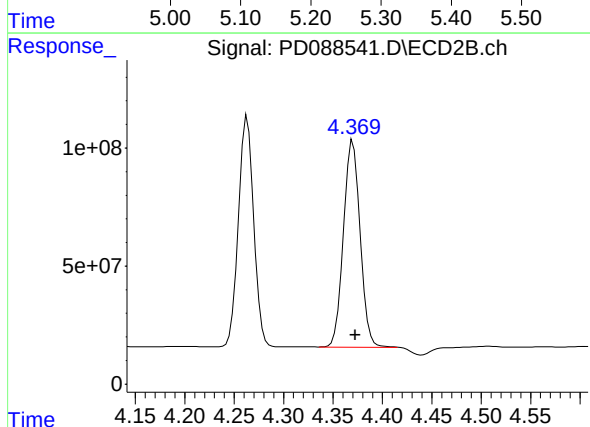
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: -0.001 min
Response: 227754352
Conc: 57.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

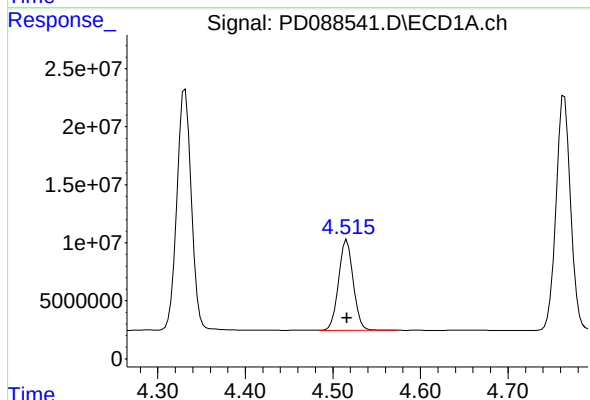
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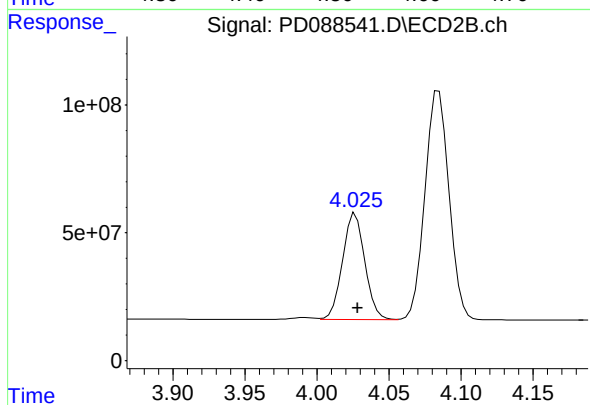
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.004 min
Response: 1026524670
Conc: 49.35 ng/ml m



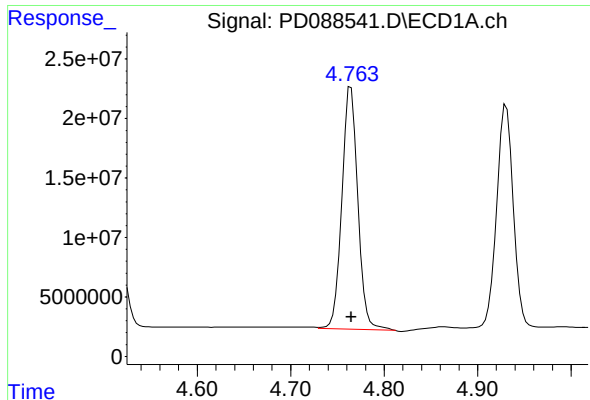
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 90970562
Conc: 56.04 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 447082324
Conc: 48.31 ng/ml



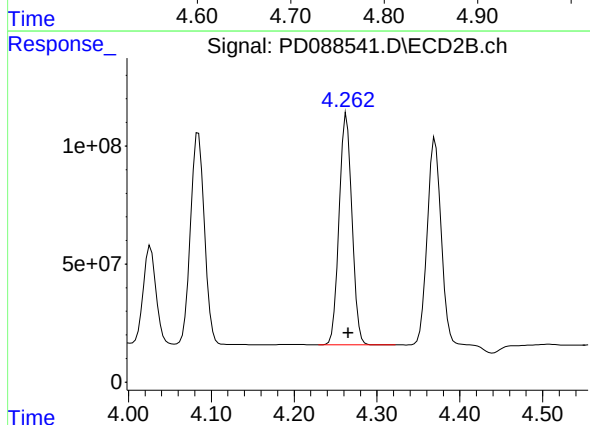
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 241620455
Conc: 58.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

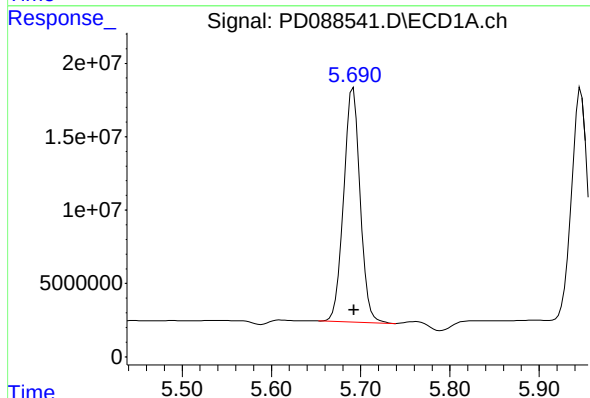
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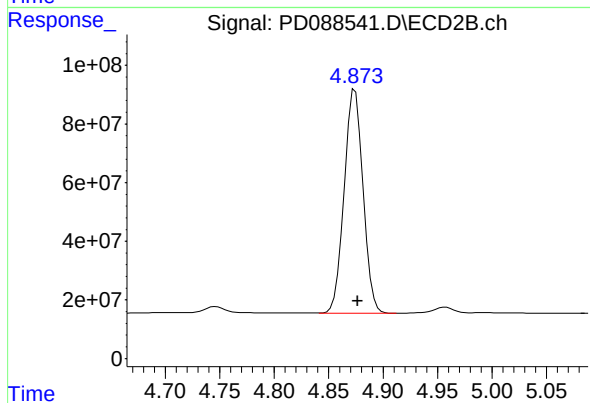
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 1051818004
Conc: 49.47 ng/ml



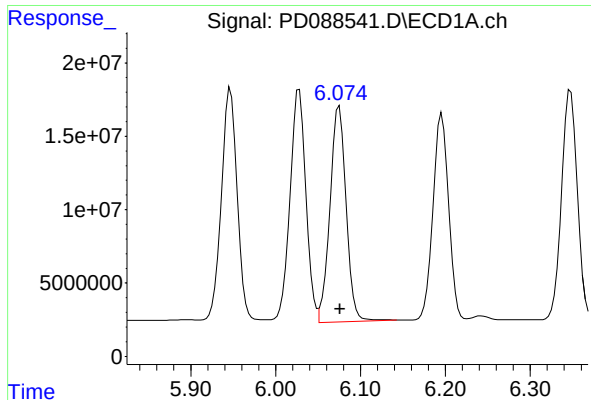
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 204902567
Conc: 57.33 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 918542188
Conc: 48.61 ng/ml



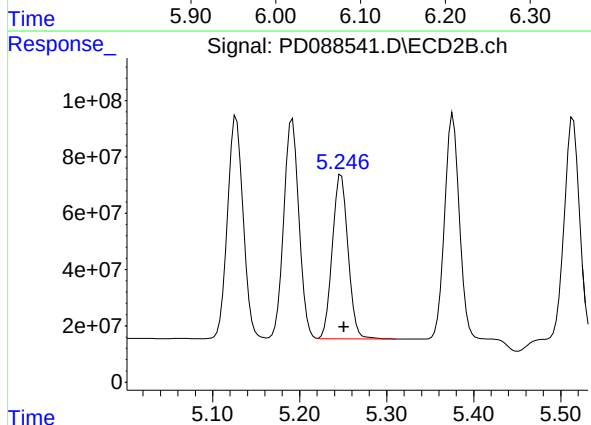
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 194644300
Conc: 57.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

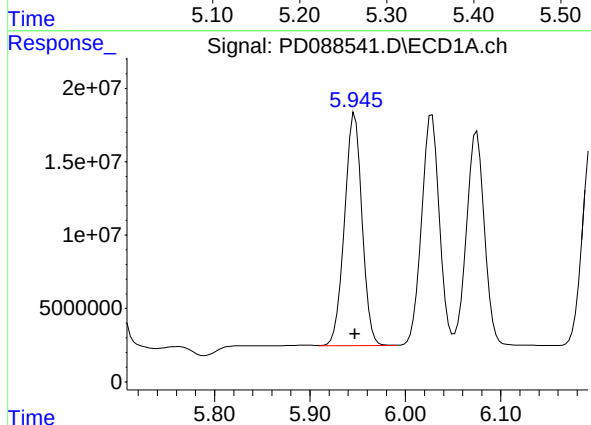
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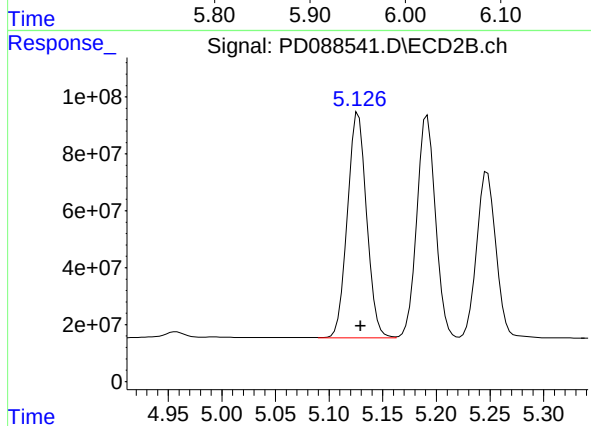
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.003 min
Response: 728923149
Conc: 40.47 ng/ml



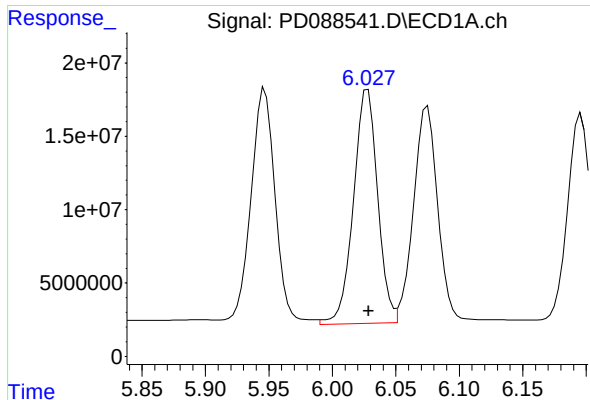
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.002 min
Response: 202996072
Conc: 56.04 ng/ml m



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 985325464
Conc: 48.55 ng/ml



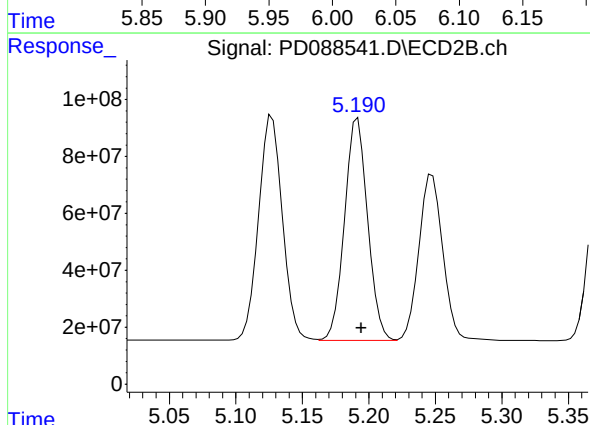
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 211277045
Conc: 58.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

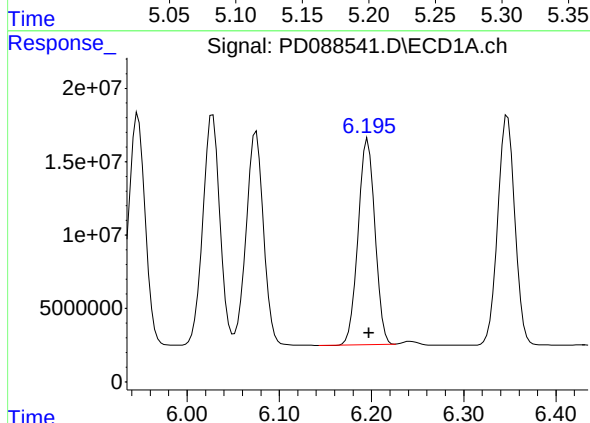
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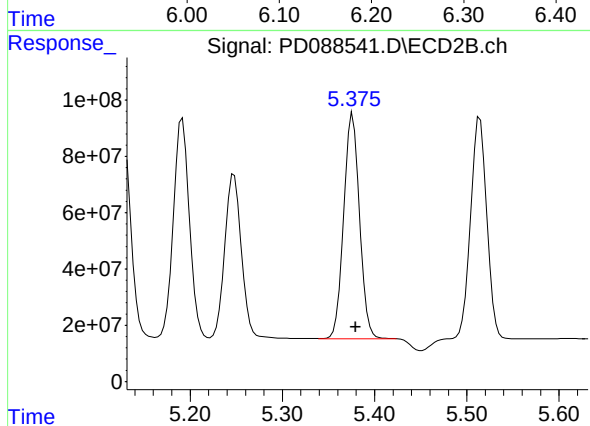
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.003 min
Response: 943025533
Conc: 48.11 ng/ml



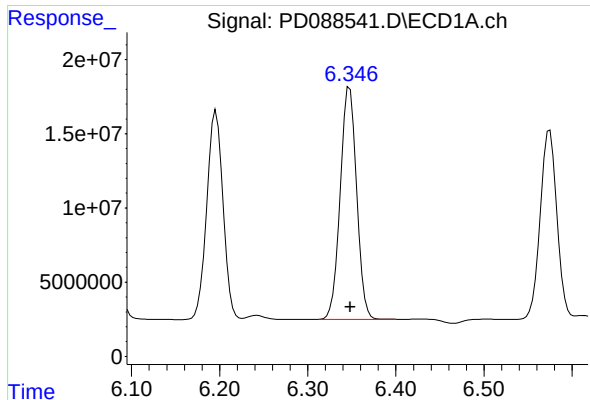
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: -0.001 min
Response: 177851021
Conc: 53.92 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.005 min
Response: 950665804
Conc: 48.27 ng/ml m



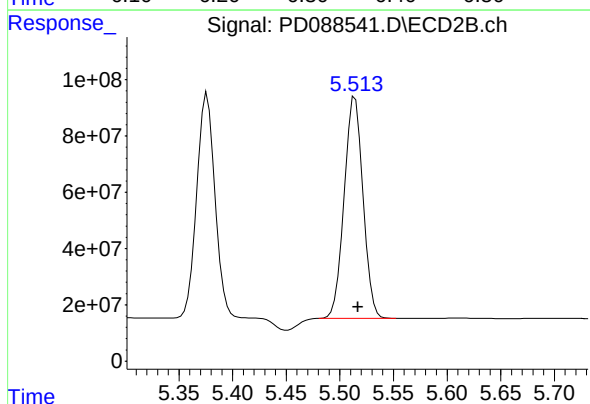
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: -0.001 min
Response: 202395247
Conc: 56.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

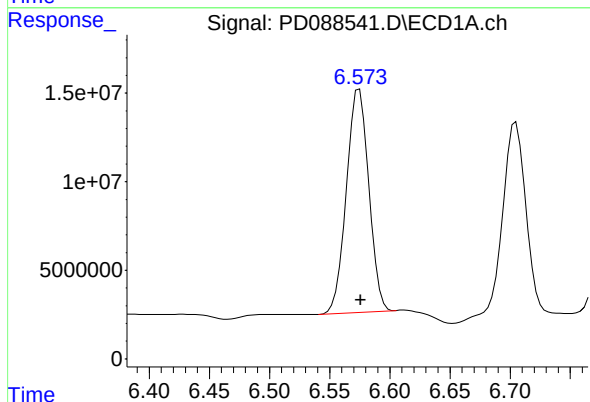
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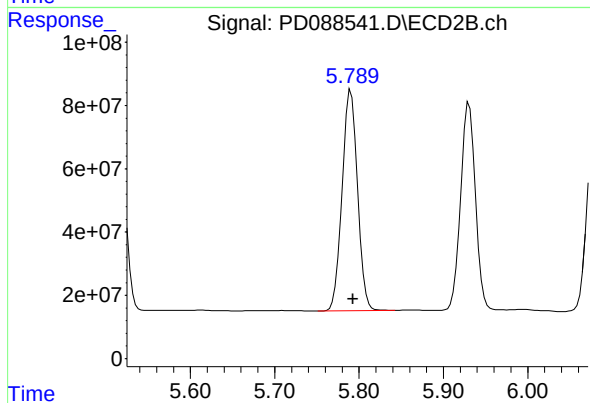
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.003 min
Response: 964130203
Conc: 48.37 ng/ml



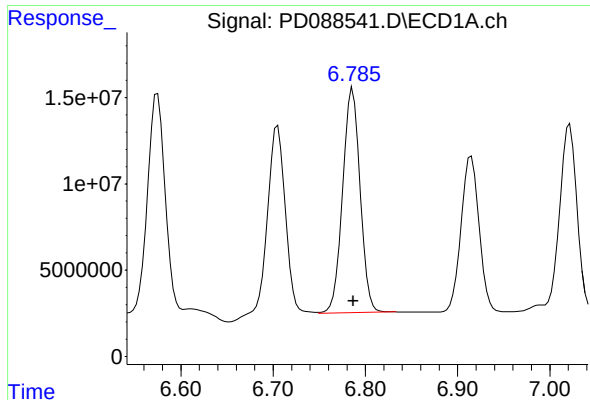
#14 Endrin

R.T.: 6.575 min
Delta R.T.: -0.001 min
Response: 163810931
Conc: 54.92 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 885666238
Conc: 48.66 ng/ml



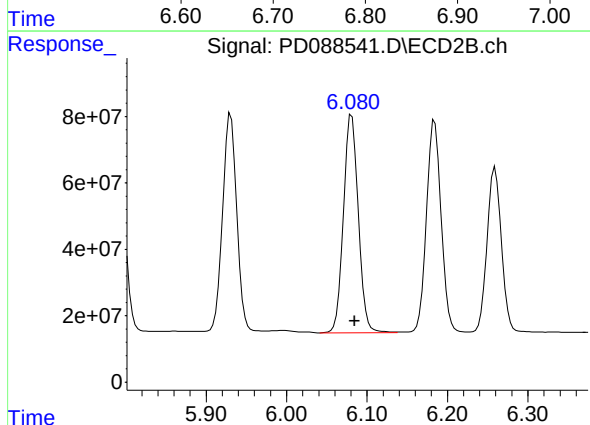
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 171089129
Conc: 54.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

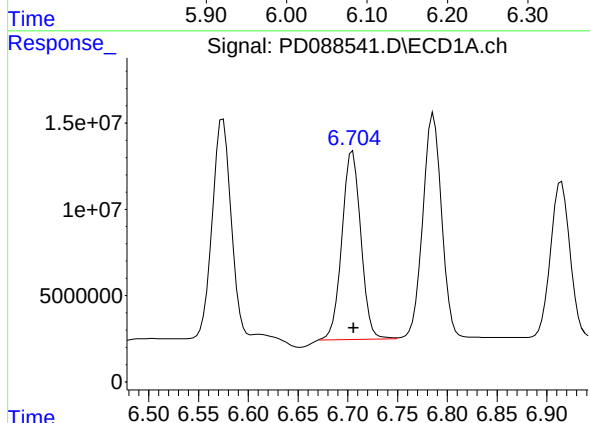
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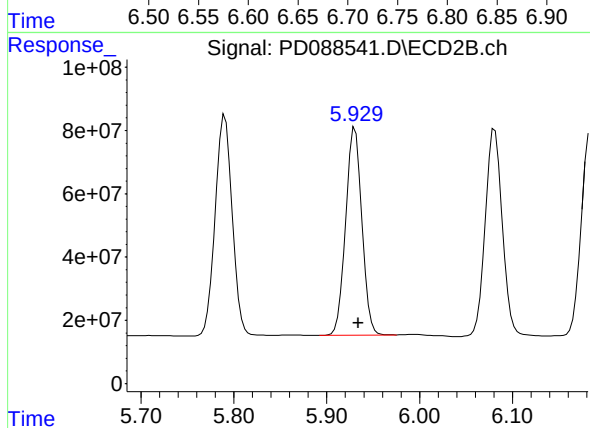
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: -0.003 min
Response: 844625861
Conc: 48.20 ng/ml



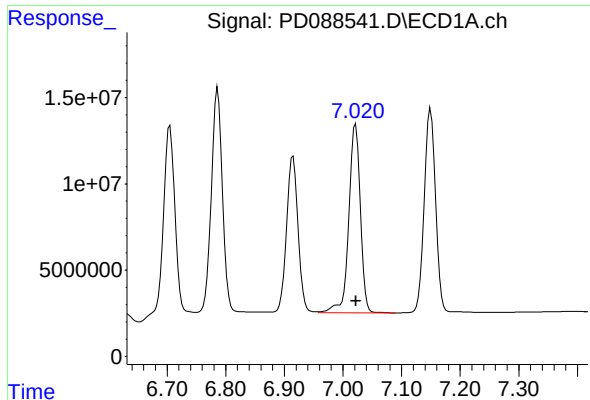
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 145030908
Conc: 57.67 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.004 min
Response: 796141746
Conc: 48.59 ng/ml



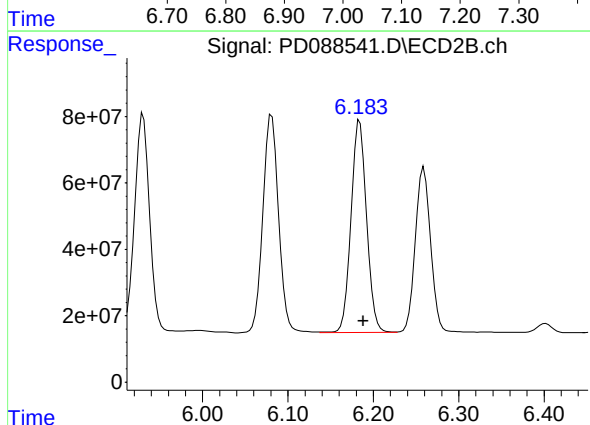
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 149832667
Conc: 53.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

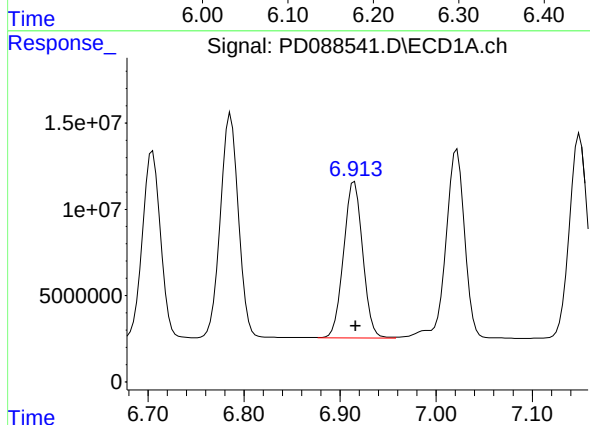
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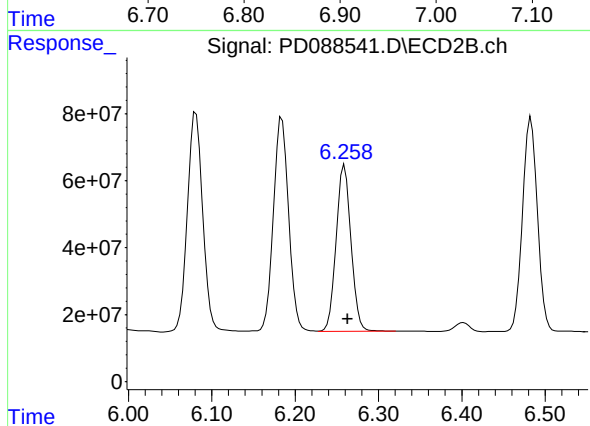
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: -0.004 min
Response: 813410995
Conc: 47.80 ng/ml



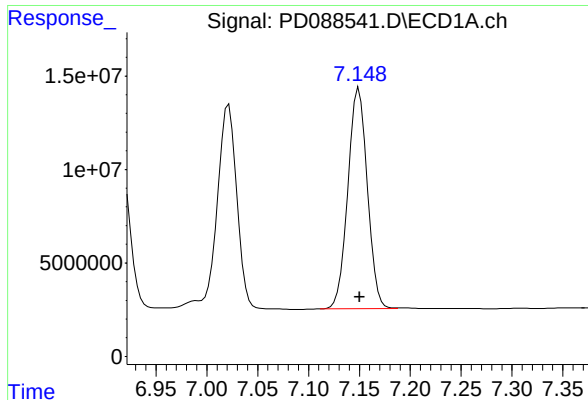
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: -0.001 min
Response: 123971525
Conc: 53.71 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: -0.004 min
Response: 616183342
Conc: 46.33 ng/ml



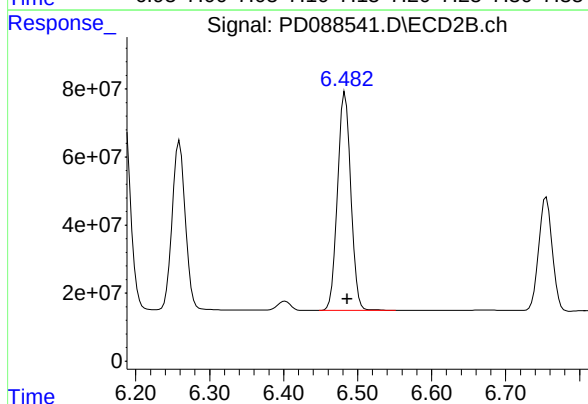
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 157351998
Conc: 54.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

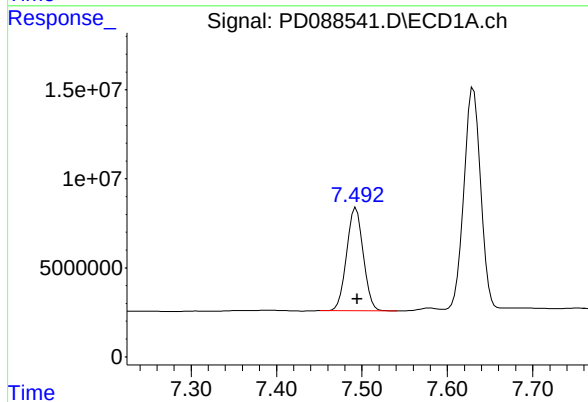
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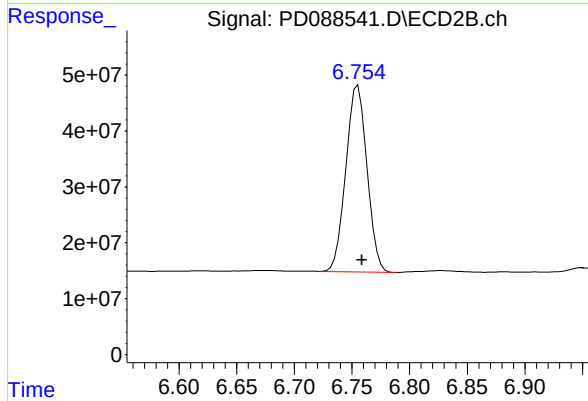
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 800092691
Conc: 46.70 ng/ml



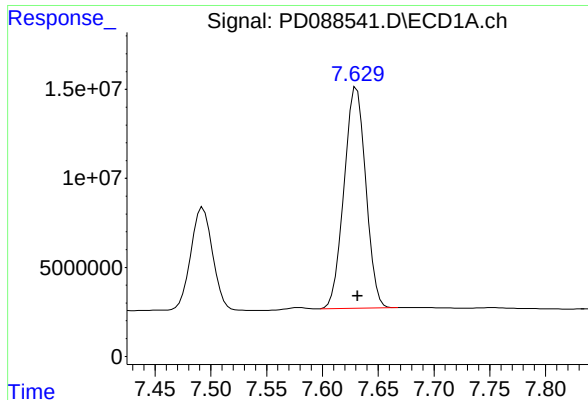
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.002 min
Response: 78519945
Conc: 52.36 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.004 min
Response: 424177903
Conc: 46.51 ng/ml



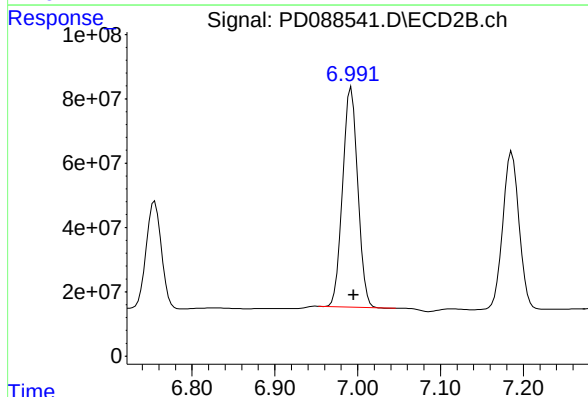
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 168412751
Conc: 54.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

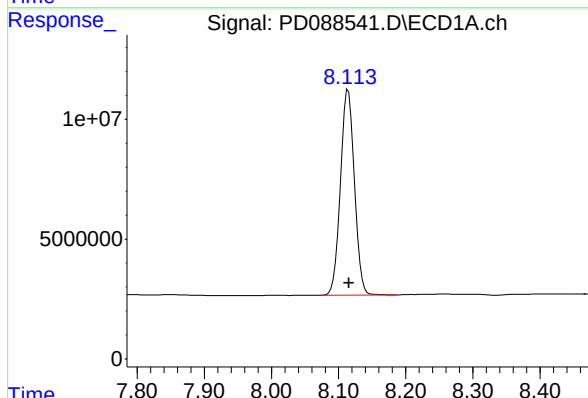
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/14/2025
Supervised By :mohammad ahmed 05/20/2025



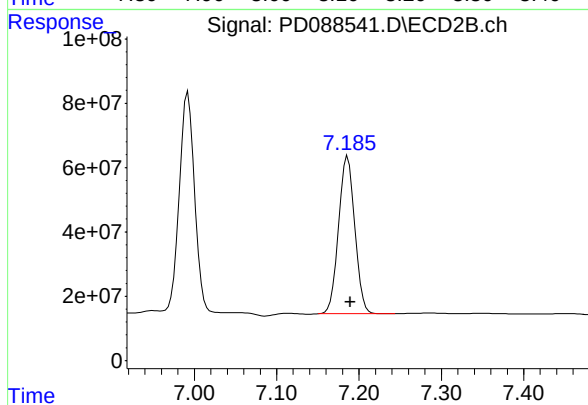
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 869425072
Conc: 46.48 ng/ml



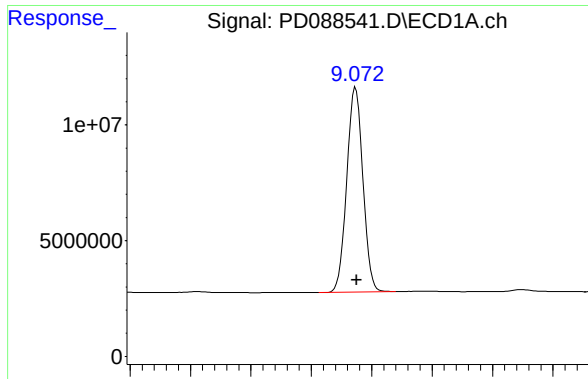
#22 Mirex

R.T.: 8.114 min
Delta R.T.: -0.001 min
Response: 124214424
Conc: 52.89 ng/ml



#22 Mirex

R.T.: 7.186 min
Delta R.T.: -0.003 min
Response: 668373829
Conc: 45.10 ng/ml



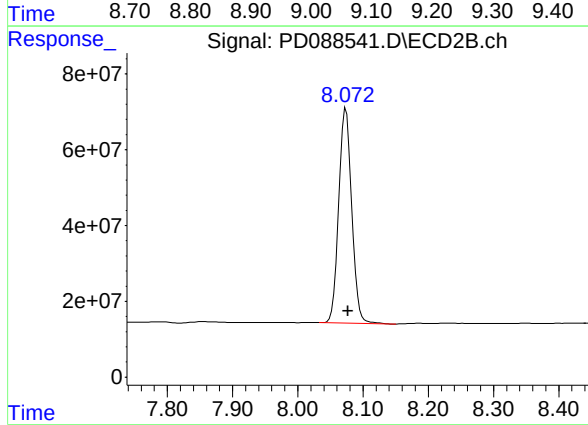
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 164093627
Conc: 49.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 784191219
Conc: 42.44 ng/ml