

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
 Data File : PD088499.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 09:55
 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 12:07:14 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...	3.552	2.882	103.8E6	688.6E6	51.956	47.092
28) SA Decachlor...	9.074	8.075	161.9E6	779.1E6	48.950	42.157
Target Compounds						
2) A alpha-BHC	4.001	3.395	235.7E6	1094.6E6	54.670	47.878
3) MA gamma-BHC...	4.332	3.731	225.4E6	1017.0E6	53.833	47.217
4) MA Heptachlor	4.931	4.085	224.8E6	1011.7E6	55.666	47.278
5) MB Aldrin	5.273	4.369	216.3E6	990.6E6	54.767	47.619m
6) B beta-BHC	4.516	4.027	86646772	436.7E6	53.374	47.195
7) B delta-BHC	4.765	4.263	222.9E6	1017.8E6	54.032	47.868
8) B Heptachlo...	5.692	4.875	196.1E6	895.0E6	54.857	47.367
9) A Endosulfan I	6.075	5.248	184.3E6	751.4E6	54.565	41.715
10) B gamma-Chl...	5.948	5.128	200.7E6	958.7E6	55.406	47.238
11) B alpha-Chl...	6.028	5.192	198.4E6	921.6E6	54.970	47.013
12) B 4,4'-DDE	6.197	5.376	172.6E6	929.5E6	52.343	47.198m
13) MA Dieldrin	6.349	5.515	195.1E6	940.0E6	54.683	47.158
14) MA Endrin	6.576	5.791	158.5E6	847.0E6	53.147	46.533
15) B Endosulfa...	6.787	6.083	164.9E6	819.2E6	52.760	46.752
16) A 4,4'-DDD	6.706	5.932	138.9E6	771.8E6	55.229	47.099
17) MA 4,4'-DDT	7.023	6.186	147.3E6	798.3E6	53.044	46.910
18) B Endrin al...	6.917	6.261	117.5E6	593.2E6	50.893	44.601
19) B Endosulfa...	7.151	6.485	151.8E6	782.6E6	52.791	45.679
20) A Methoxychlor	7.494	6.757	77657457	411.1E6	51.787	45.073
21) B Endrin ke...	7.632	6.994	162.1E6	842.5E6	52.519	45.044
22) Mirex	8.115	7.188	120.6E6	657.5E6	51.345	44.364

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051325\
Data File : PD088499.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 May 2025 09:55
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

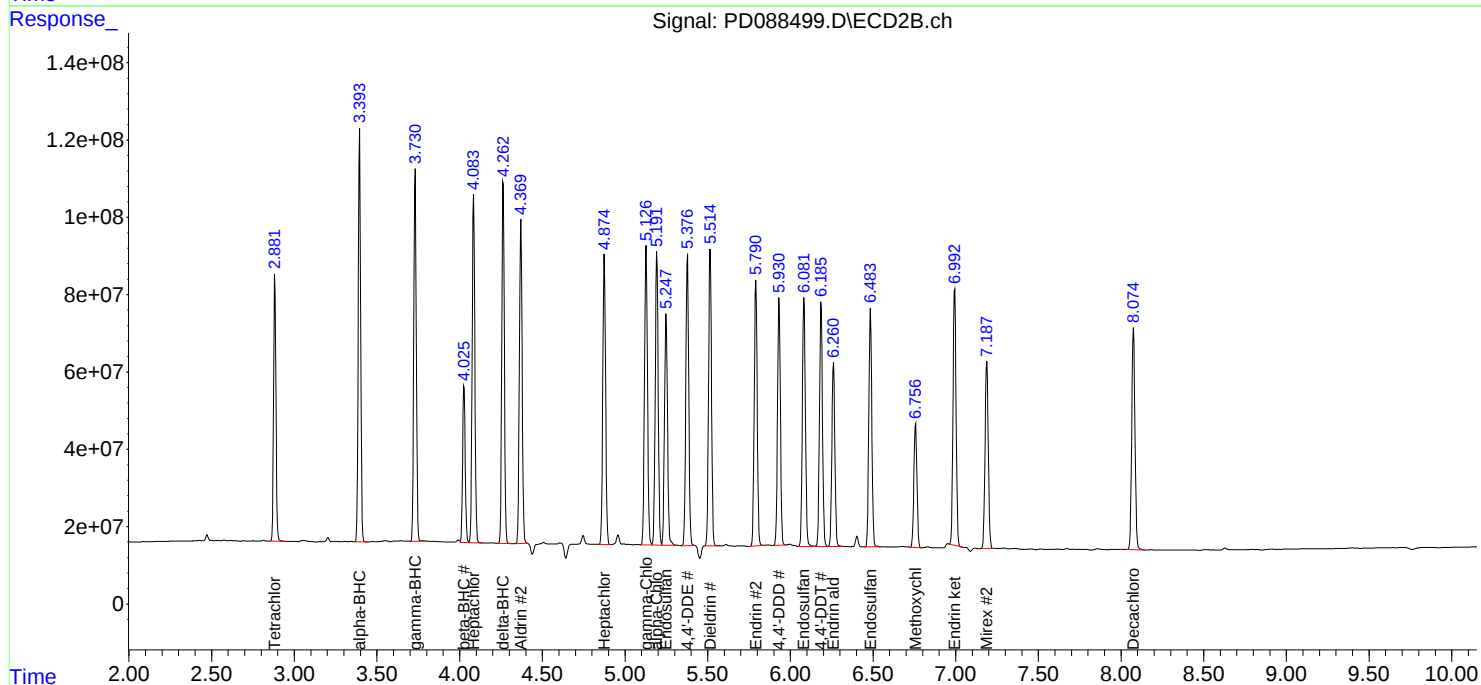
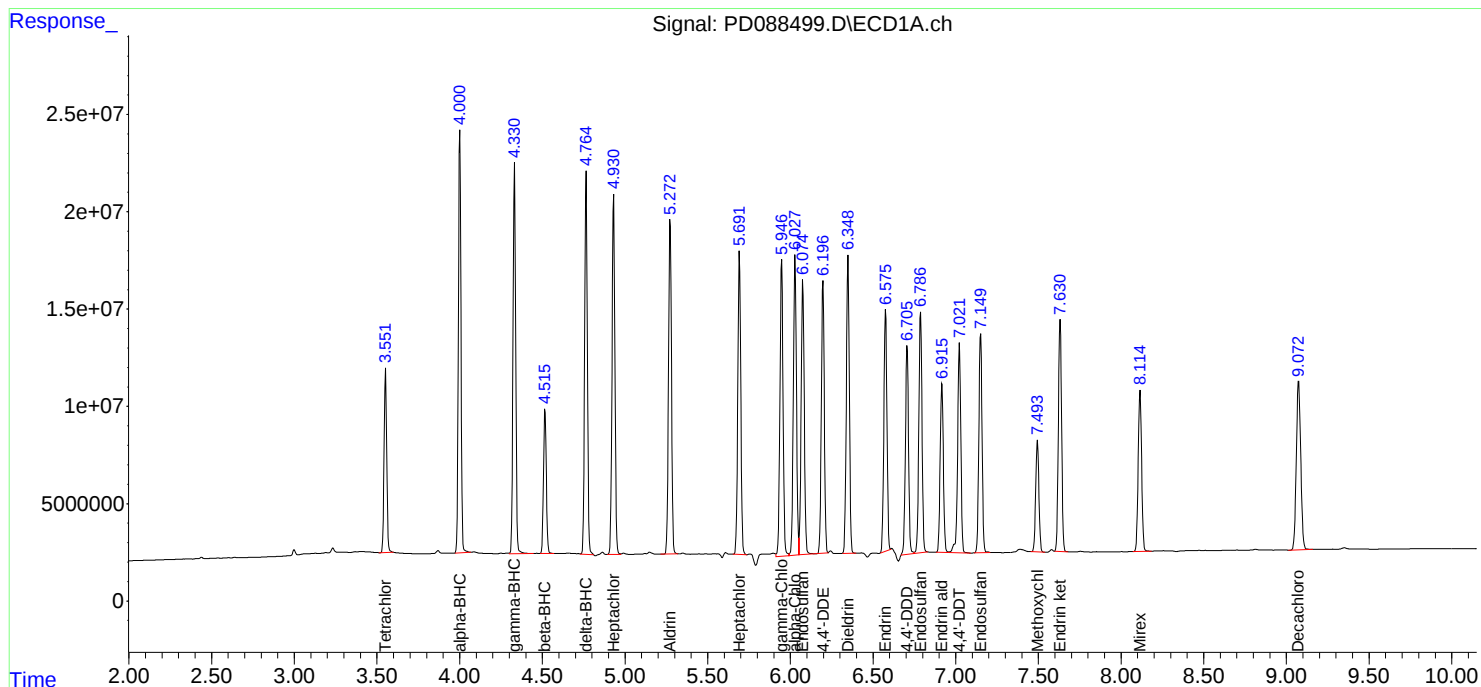
APPROVED

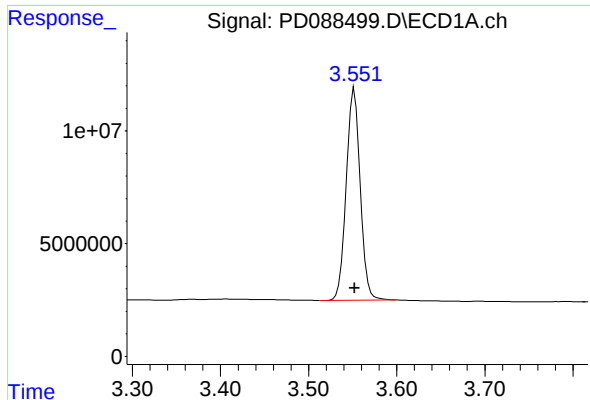
Reviewed By :Abdul Mirza 05/14/2025

Supervised By :mohammad ahmed 05/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 13 12:07:14 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





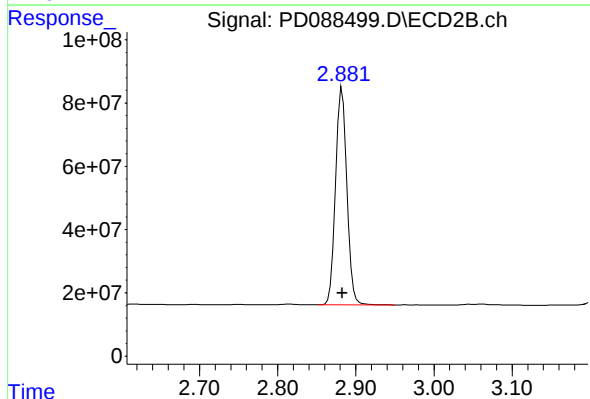
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.000 min
Response: 103776220
Conc: 51.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

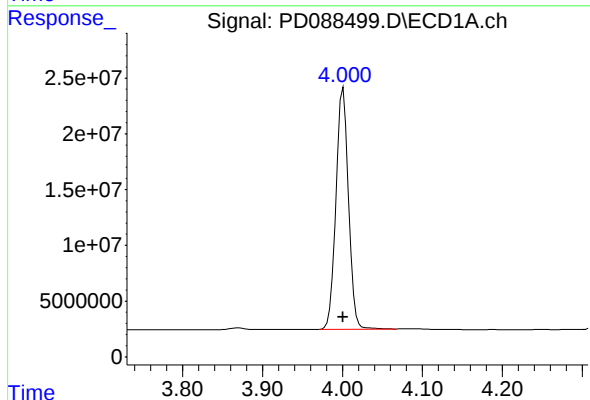
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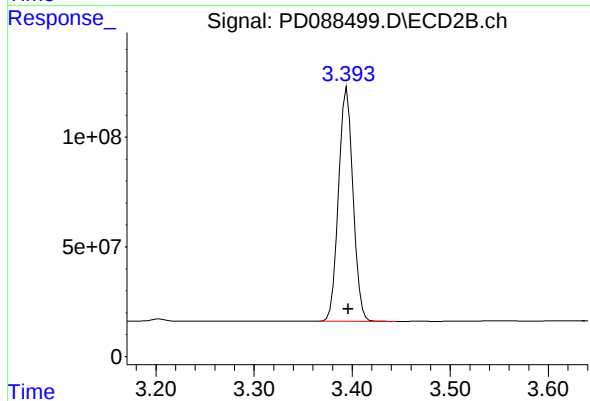
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 688556929
Conc: 47.09 ng/ml



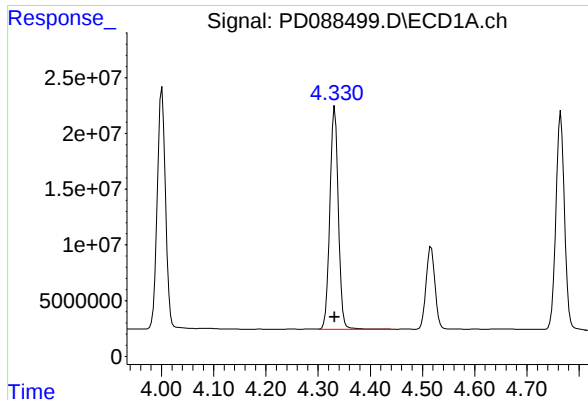
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 235736345
Conc: 54.67 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 1094569489
Conc: 47.88 ng/ml



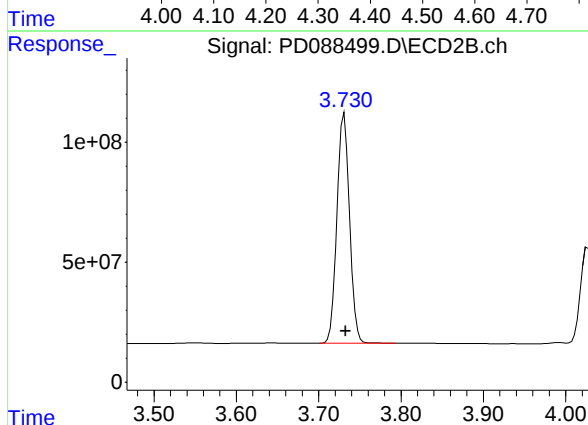
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 225425439
Conc: 53.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

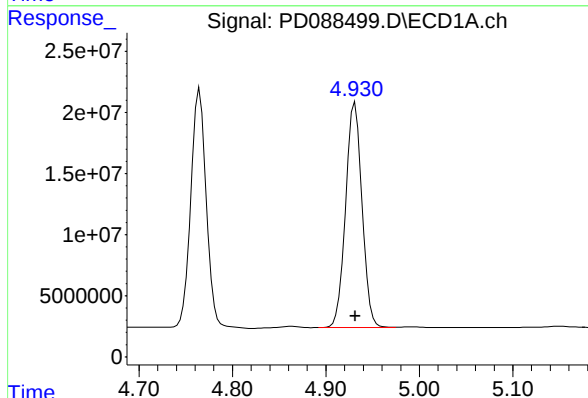
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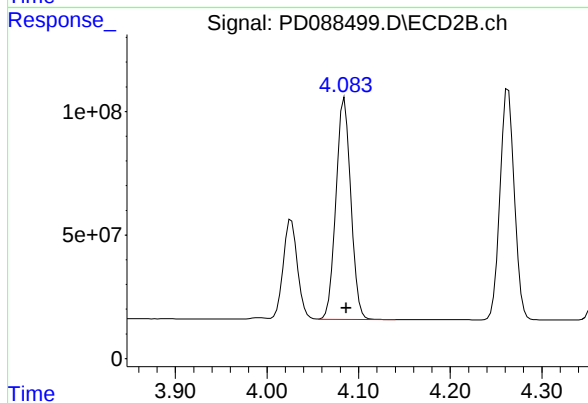
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 1016988299
Conc: 47.22 ng/ml



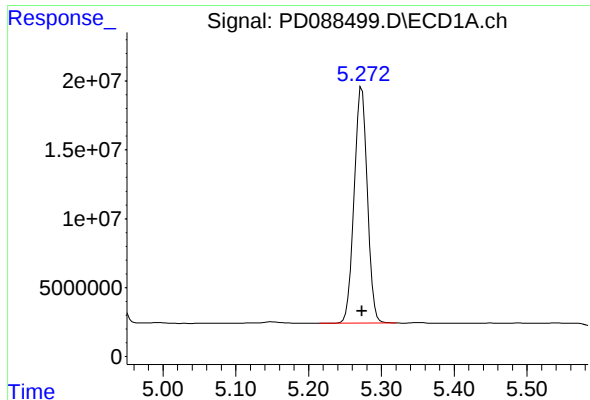
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 224831544
Conc: 55.67 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 1011663533
Conc: 47.28 ng/ml



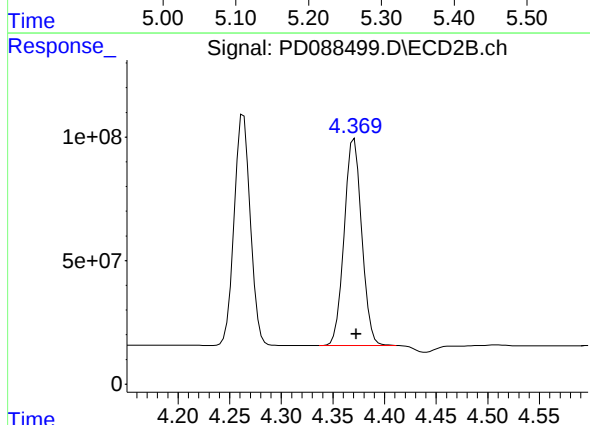
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 216308272
Conc: 54.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

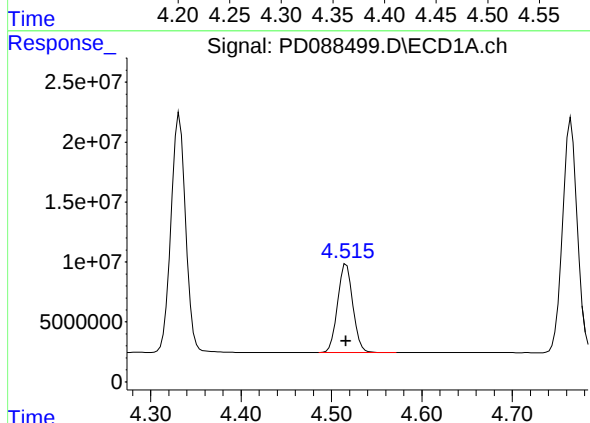
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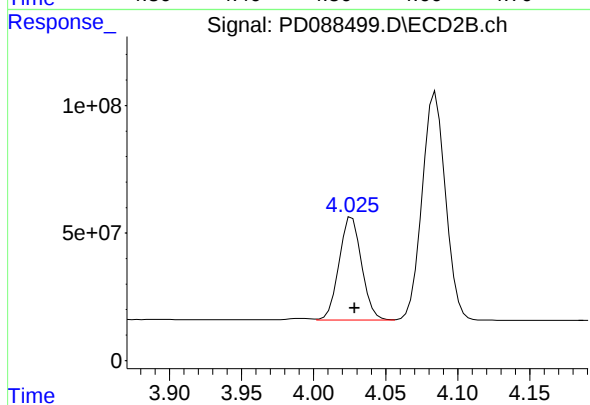
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.003 min
Response: 990603306
Conc: 47.62 ng/ml



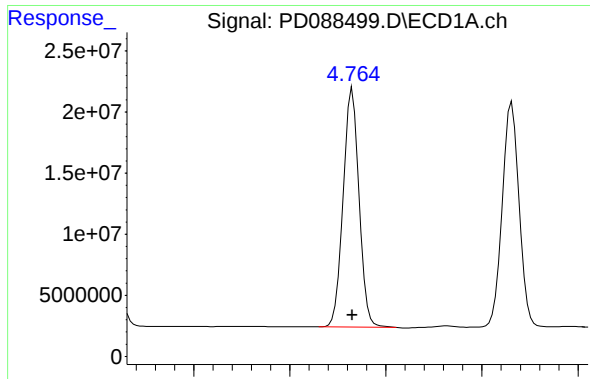
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 86646772
Conc: 53.37 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 436744002
Conc: 47.19 ng/ml



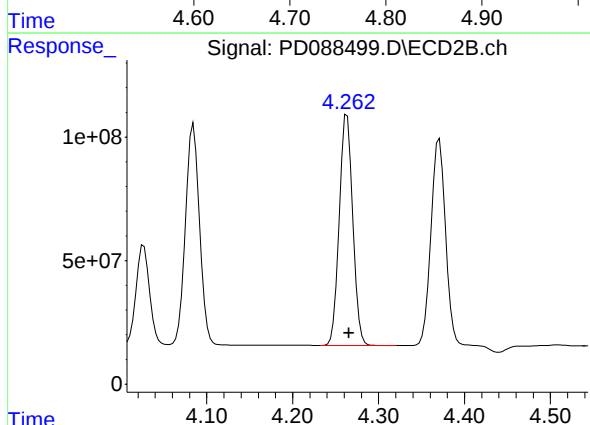
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 222880963
Conc: 54.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

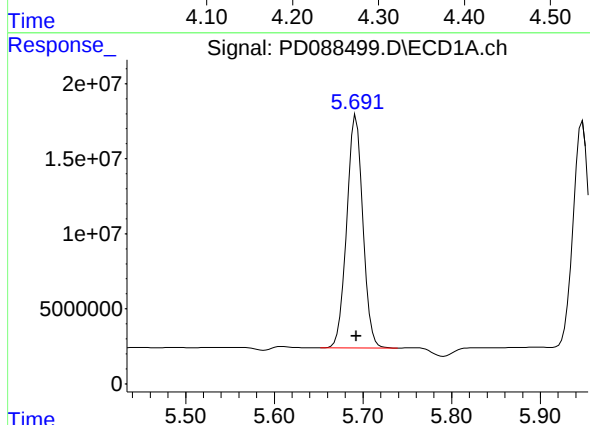
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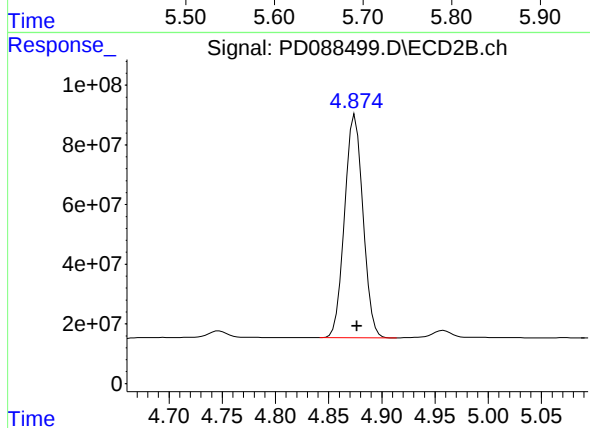
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 1017750282
Conc: 47.87 ng/ml



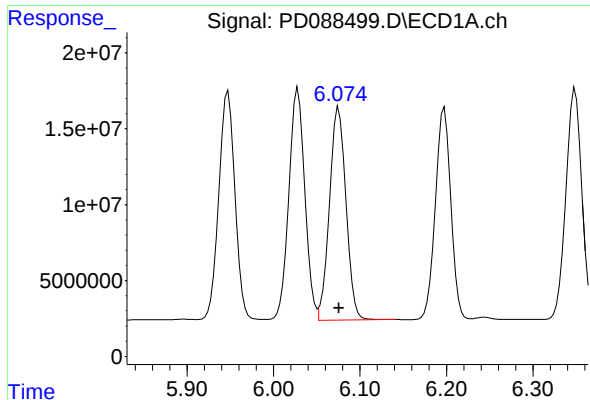
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 196057227
Conc: 54.86 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.002 min
Response: 894974426
Conc: 47.37 ng/ml



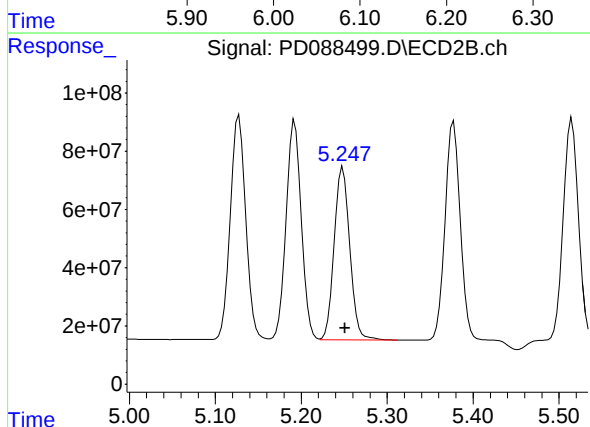
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 184272547
Conc: 54.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

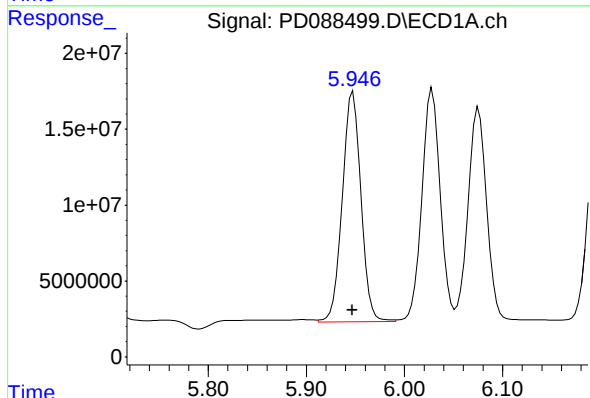
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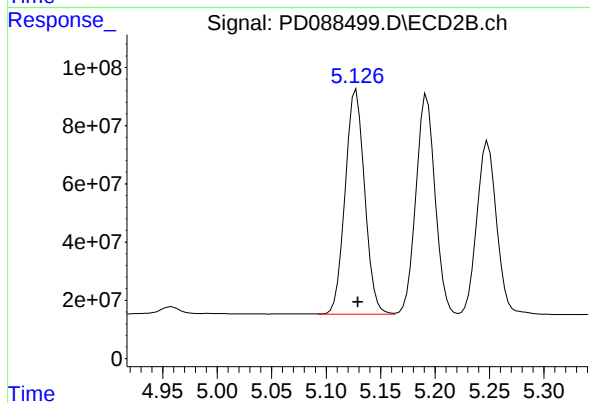
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.003 min
Response: 751390389
Conc: 41.72 ng/ml



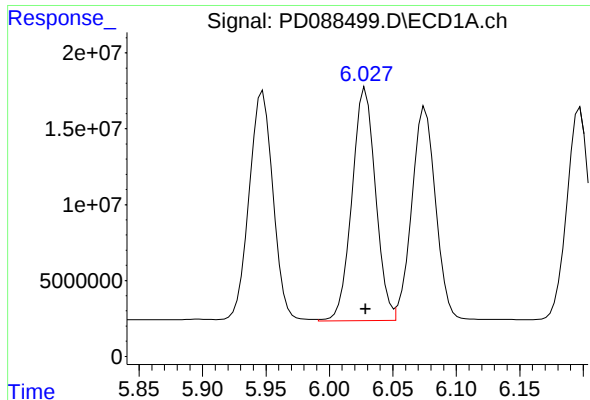
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.000 min
Response: 200682710
Conc: 55.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: -0.002 min
Response: 958744986
Conc: 47.24 ng/ml



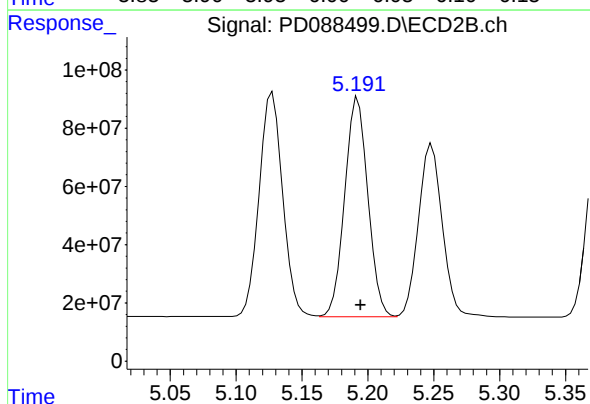
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 198419405
Conc: 54.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

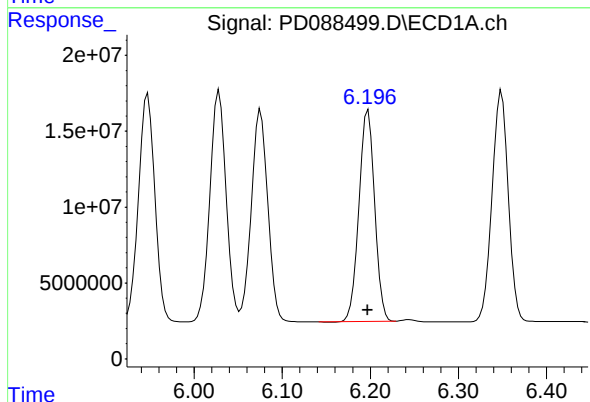
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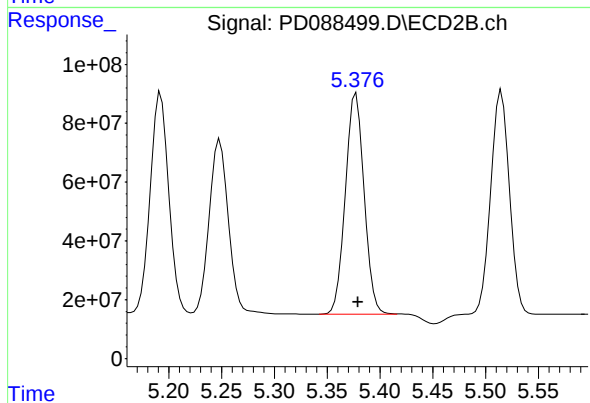
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 921593686
Conc: 47.01 ng/ml



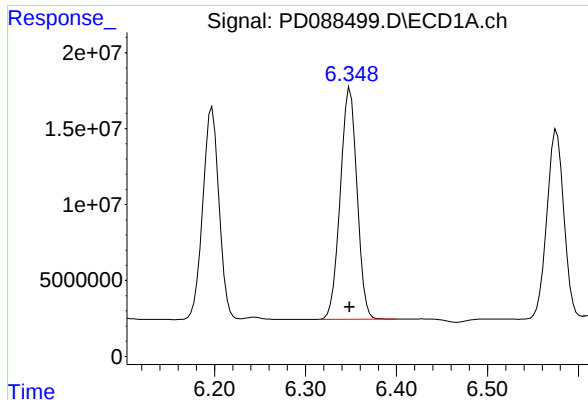
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.000 min
Response: 172640371
Conc: 52.34 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: -0.003 min
Response: 929508308
Conc: 47.20 ng/ml m



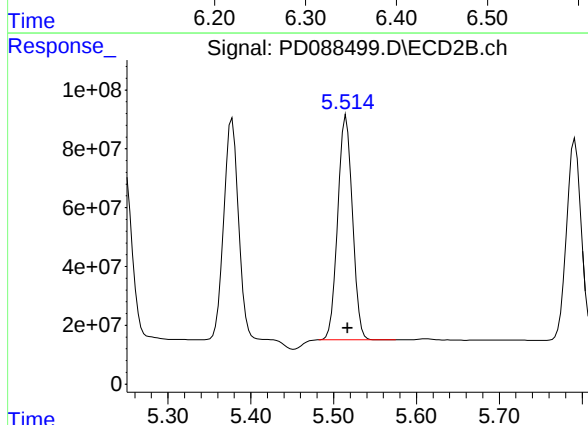
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.000 min
Response: 195134911
Conc: 54.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

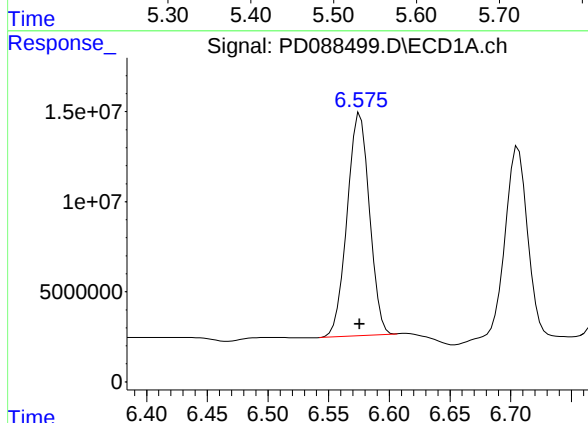
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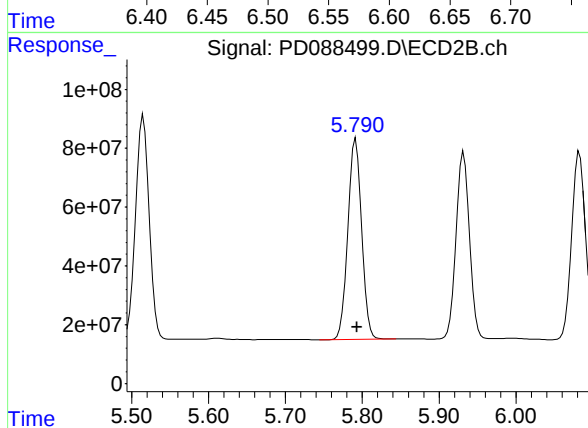
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.002 min
Response: 939989528
Conc: 47.16 ng/ml



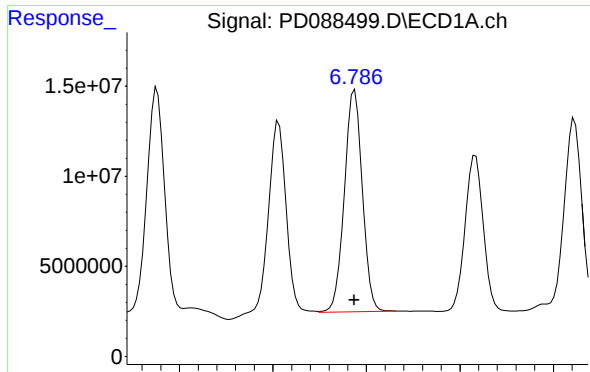
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 158513933
Conc: 53.15 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 847003257
Conc: 46.53 ng/ml



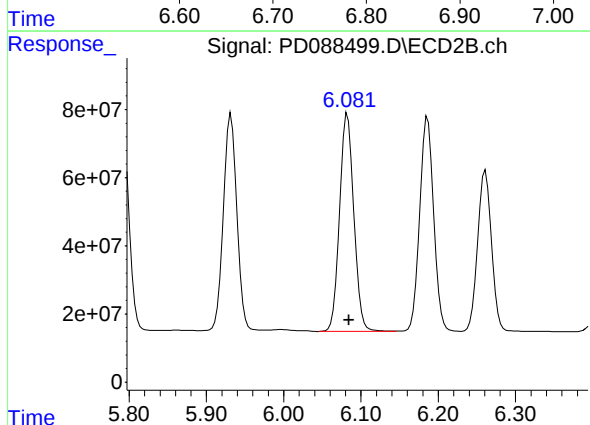
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 164940596
Conc: 52.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

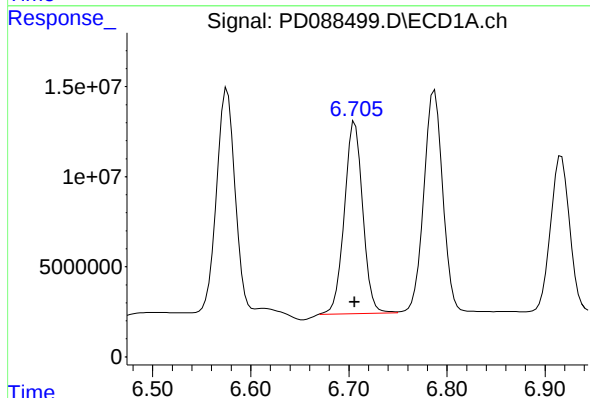
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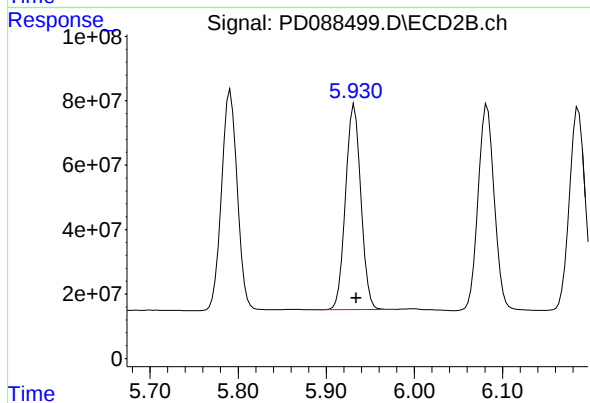
#15 Endosulfan II

R.T.: 6.083 min
Delta R.T.: -0.002 min
Response: 819179191
Conc: 46.75 ng/ml



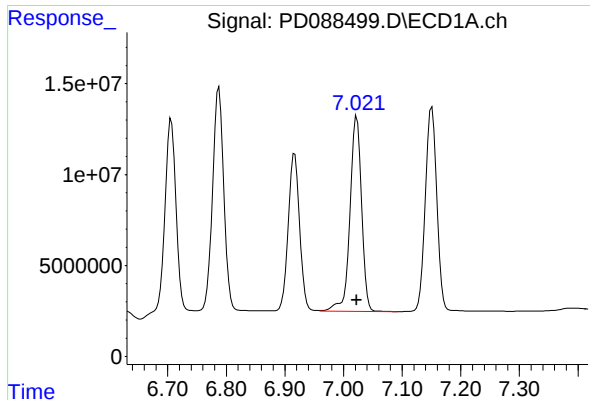
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.000 min
Response: 138898728
Conc: 55.23 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 771773116
Conc: 47.10 ng/ml



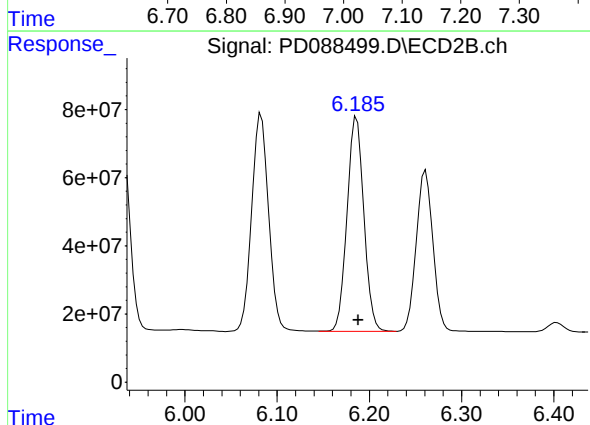
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.000 min
Response: 147330616
Conc: 53.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

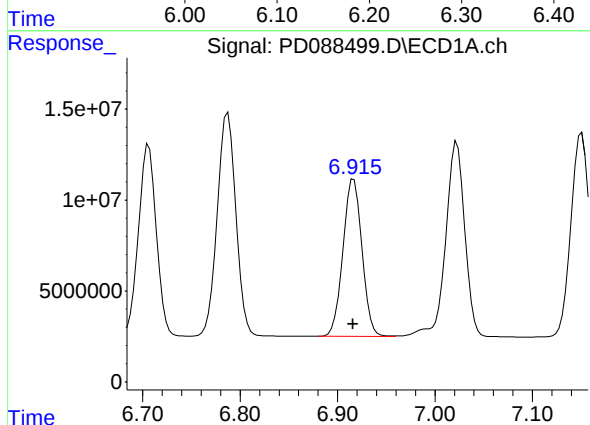
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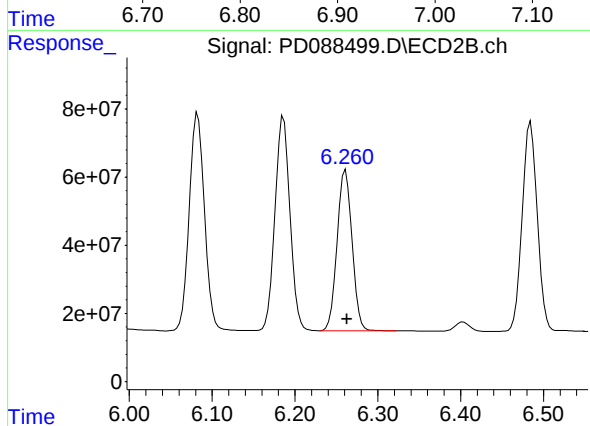
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 798251838
Conc: 46.91 ng/ml



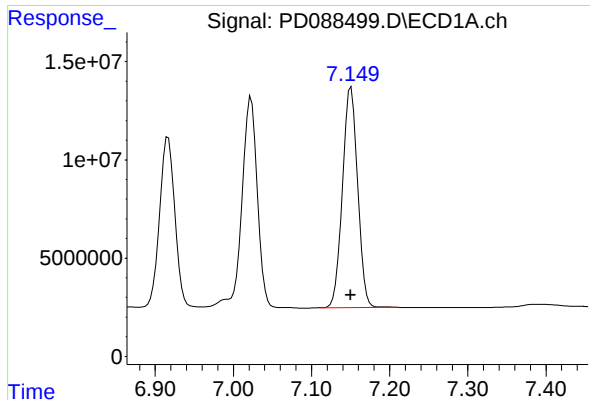
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 117460622
Conc: 50.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.002 min
Response: 593236336
Conc: 44.60 ng/ml



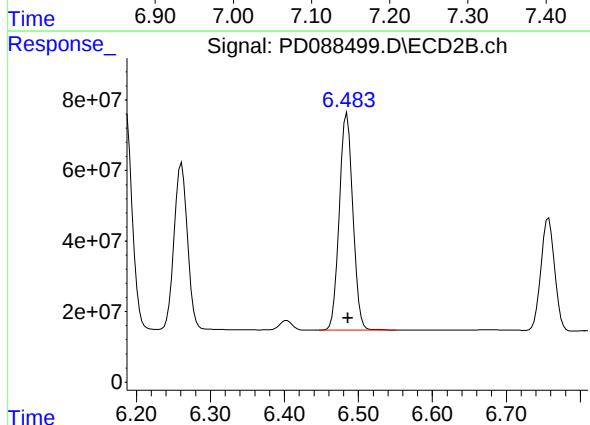
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: 0.000 min
Response: 151818114
Conc: 52.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

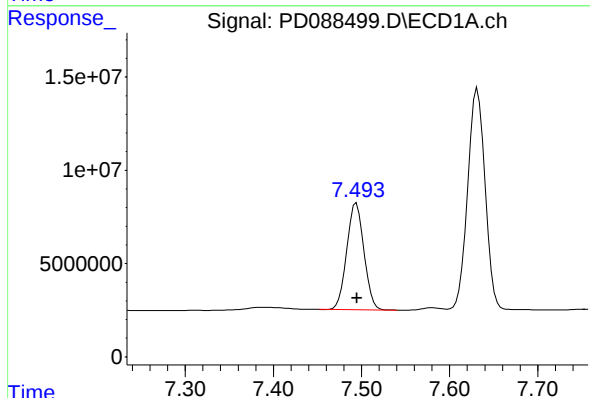
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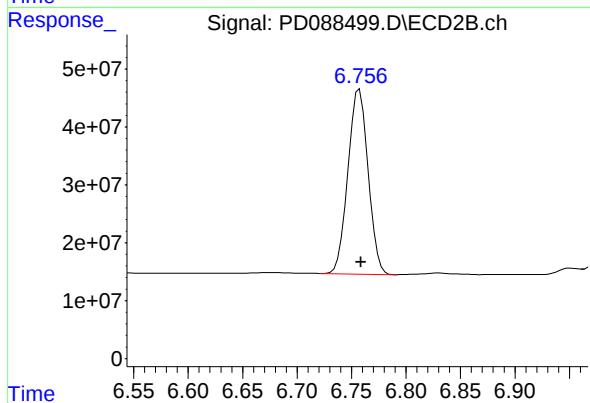
#19 Endosulfan Sulfate

R.T.: 6.485 min
Delta R.T.: -0.002 min
Response: 782623775
Conc: 45.68 ng/ml



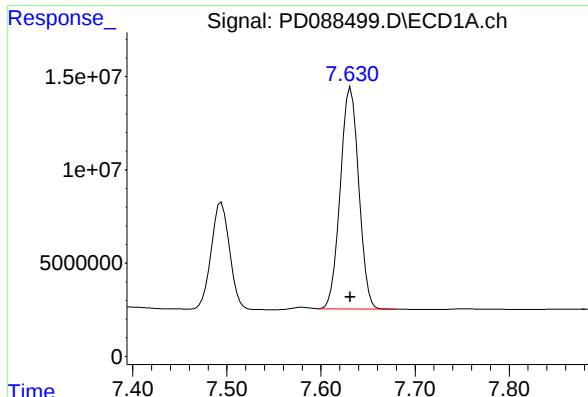
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 77657457
Conc: 51.79 ng/ml



#20 Methoxychlor

R.T.: 6.757 min
Delta R.T.: -0.001 min
Response: 411109903
Conc: 45.07 ng/ml



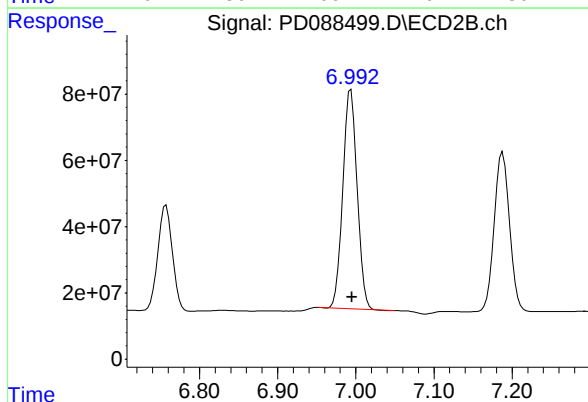
#21 Endrin ketone

R.T.: 7.632 min
Delta R.T.: 0.000 min
Response: 162105100
Conc: 52.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

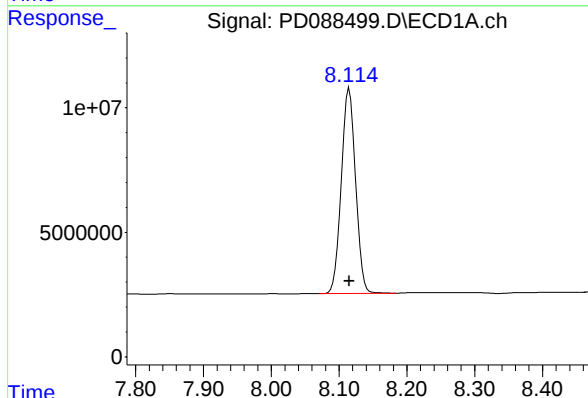
Manual Integrations
APPROVED

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



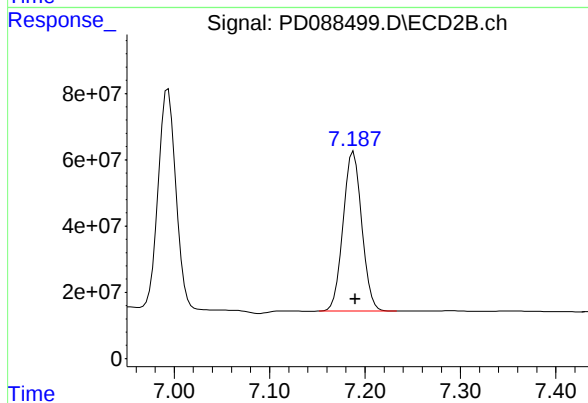
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 842495545
Conc: 45.04 ng/ml



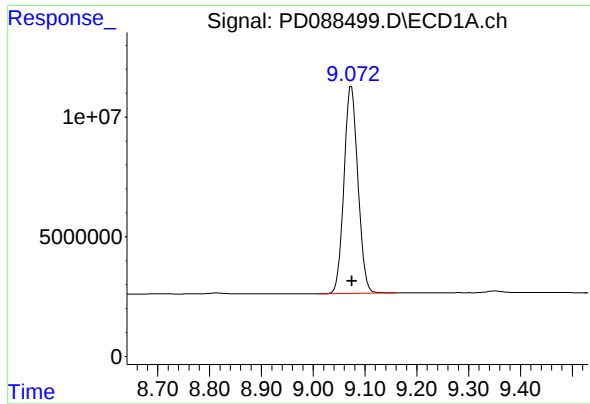
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.000 min
Response: 120573453
Conc: 51.34 ng/ml



#22 Mirex

R.T.: 7.188 min
Delta R.T.: -0.002 min
Response: 657511325
Conc: 44.36 ng/ml



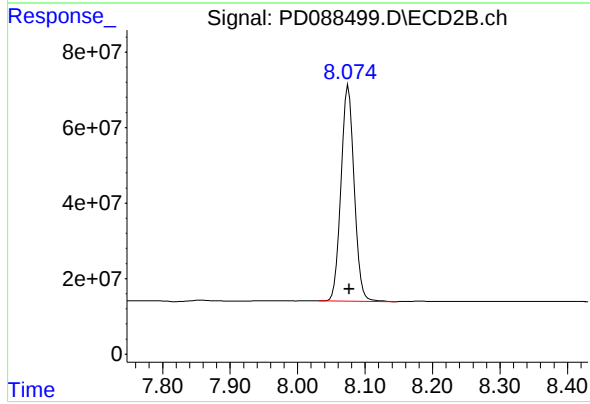
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: -0.001 min
Response: 161931931
Conc: 48.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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Supervised By :mohammad ahmed 05/20/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 779053595
Conc: 42.16 ng/ml