

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088908.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 10:03
 Operator : AR\AJ
 Sample : PB168350BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168350BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 07:38:42 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 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...	3.572	2.879	46402619	305.5E6	21.445	20.193
2) SA Decachlor...	9.095	8.072	76334216	387.6E6	22.305	21.231
Target Compounds						
2) A alpha-BHC	4.021f	3.392	254.1E6	1160.8E6	53.191	48.561
3) MA gamma-BHC...	4.352f	3.729	242.2E6	1073.5E6	52.623	48.432
4) MA Heptachlor	4.952f	4.082	231.2E6	1052.8E6	51.714	46.887
5) MB Aldrin	5.294f	4.368	231.3E6	1089.7E6	52.636	49.688
6) B beta-BHC	4.538f	4.025	92652123	467.0E6	51.383	47.935
7) B delta-BHC	4.785f	4.261	241.8E6	1094.0E6	57.213m	49.073
8) B Heptachlo...	5.713f	4.872	210.4E6	968.5E6	53.017	48.739
9) A Endosulfan I	6.096f	5.246	198.7E6	894.6E6	52.817	47.136
10) B gamma-Chl...	5.968f	5.125	209.9E6	1054.3E6	52.622	49.425
11) B alpha-Chl...	6.049f	5.190	212.0E6	1009.1E6	52.921	48.928
12) B 4,4'-DDE	6.218f	5.374	191.1E6	1056.1E6	53.248	50.526
13) MA Dieldrin	6.370f	5.512	212.0E6	1032.8E6	52.856	49.080
14) MA Endrin	6.597f	5.788	173.8E6	924.1E6	50.878	47.921
15) B Endosulfa...	6.807f	6.079	180.9E6	899.0E6	52.521m	49.065
16) A 4,4'-DDD	6.728f	5.928	158.6E6	876.9E6	56.942	50.421
17) MA 4,4'-DDT	7.044f	6.182	157.6E6	849.7E6	50.464	46.847
18) B Endrin al...	6.937f	6.258	134.3E6	674.9E6	52.174	48.457
19) B Endosulfa...	7.170f	6.481	169.9E6	867.7E6	53.052m	48.868
20) A Methoxychlor	7.514f	6.753	81616095	444.3E6	48.856m	46.398
21) B Endrin ke...	7.651f	6.990	183.8E6	968.8E6	53.696m	50.073
22) Mirex	8.137f	7.184	130.3E6	726.1E6	50.165	47.763

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088908.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 10:03
Operator : AR\AJ
Sample : PB168350BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168350BS

Manual Integrations

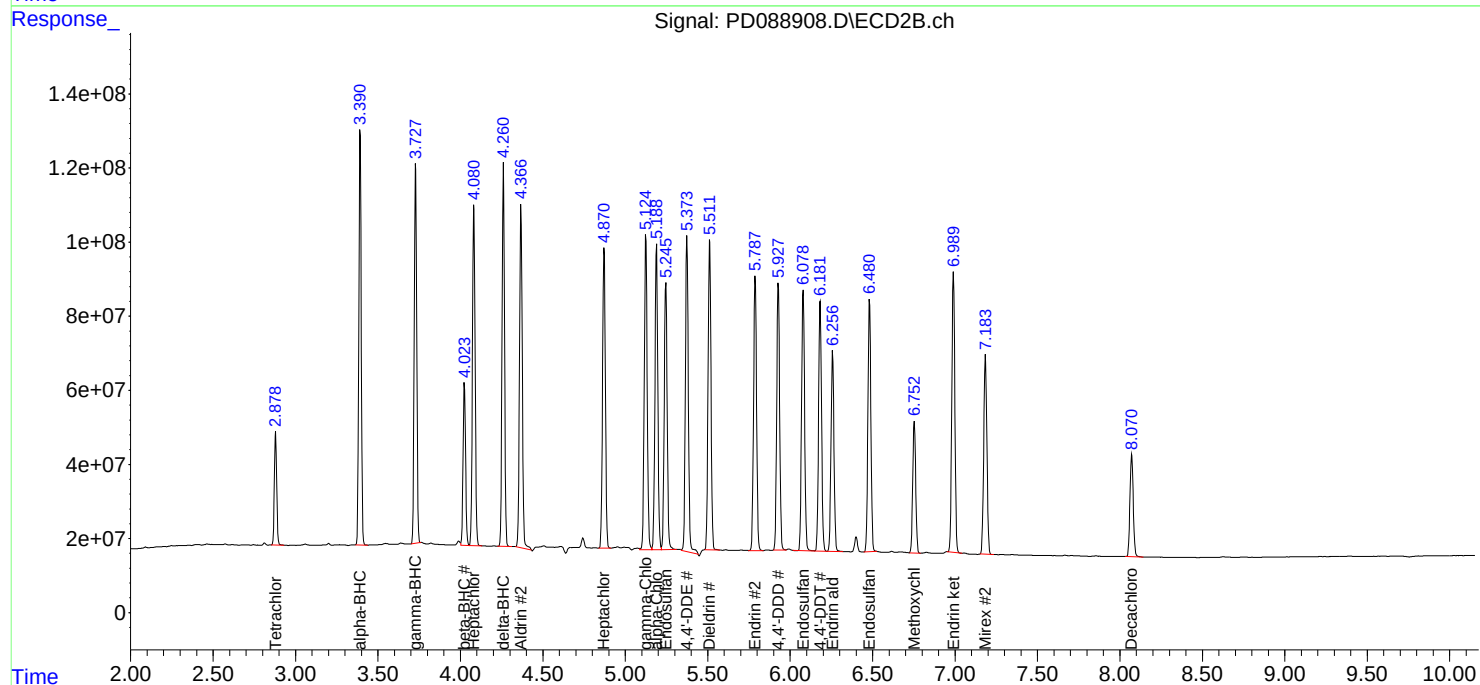
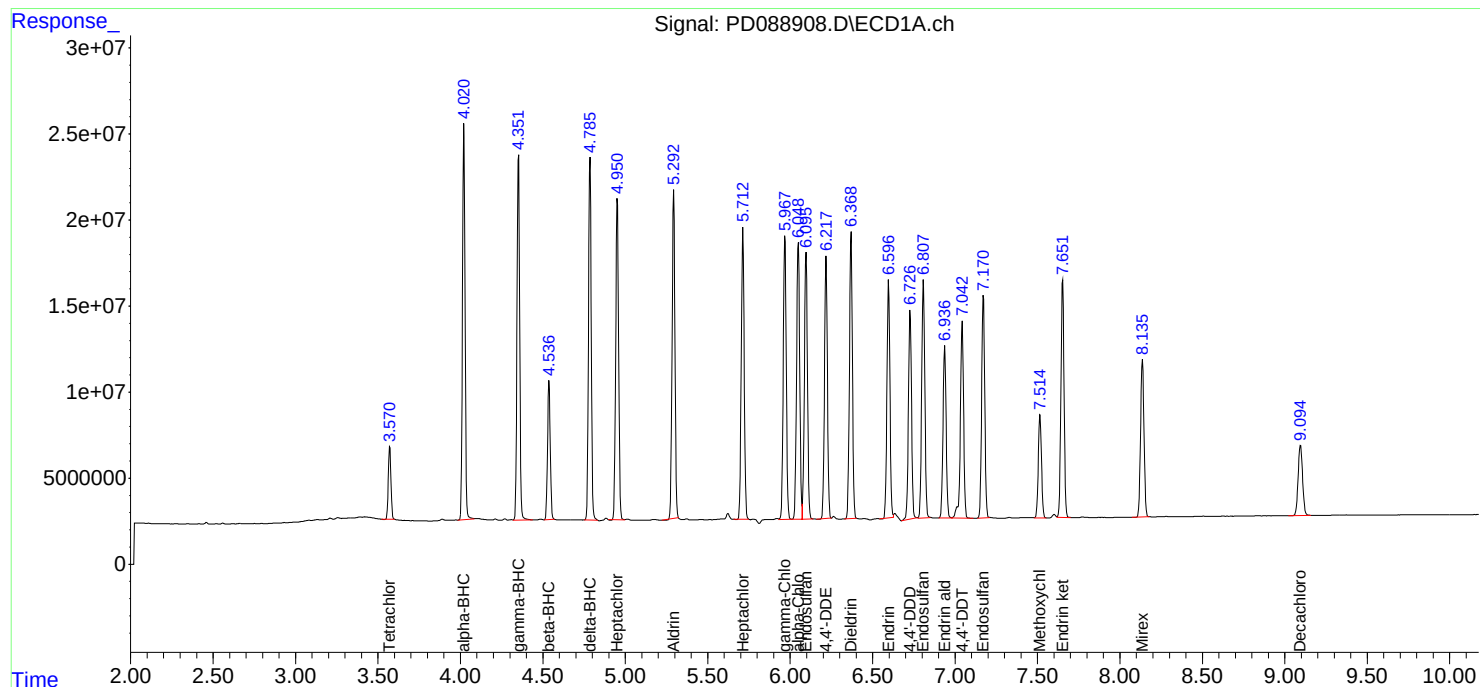
APPROVED

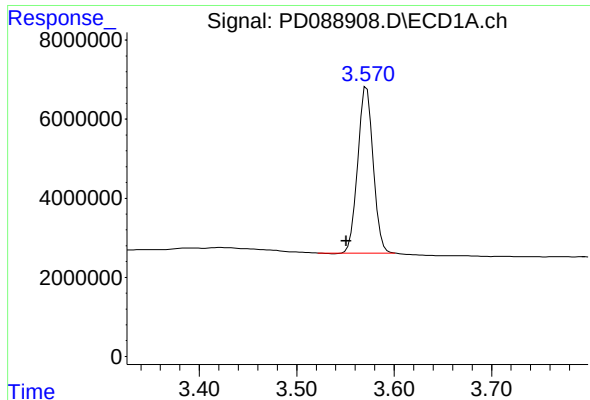
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:38:42 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





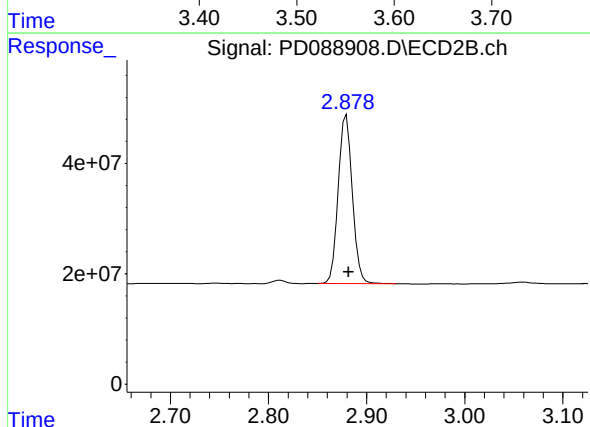
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: 0.021 min
Response: 46402619
Conc: 21.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

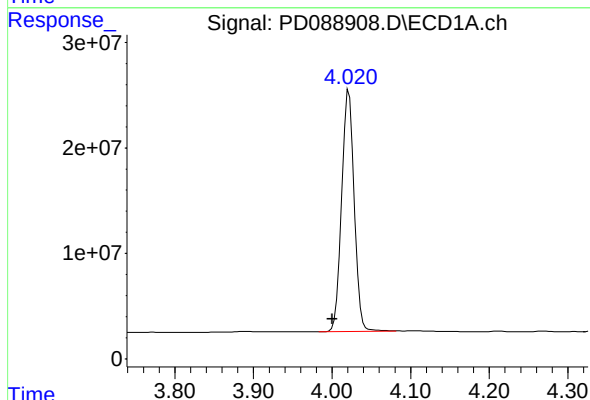
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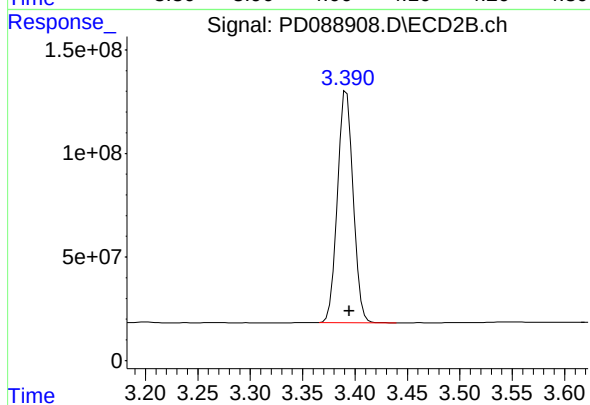
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 305452519
Conc: 20.19 ng/ml



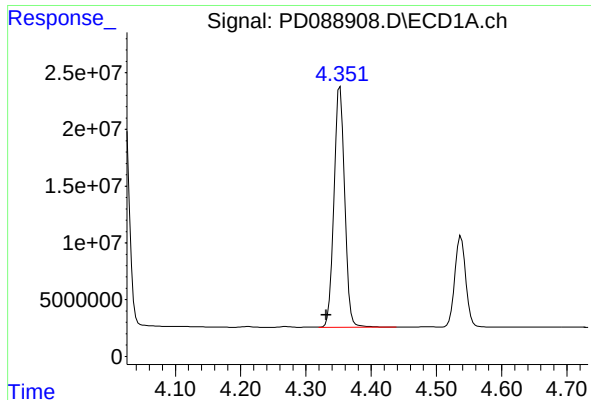
#2 alpha-BHC

R.T.: 4.021 min
Delta R.T.: 0.021 min
Response: 254068188
Conc: 53.19 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 1160792463
Conc: 48.56 ng/ml



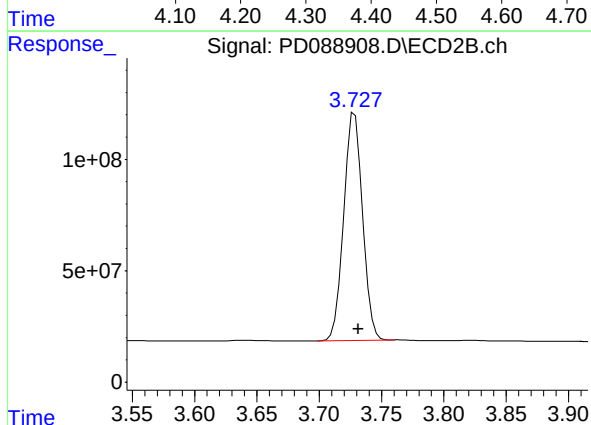
#3 gamma-BHC (Lindane)

R.T.: 4.352 min
Delta R.T.: 0.021 min
Response: 242207551
Conc: 52.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

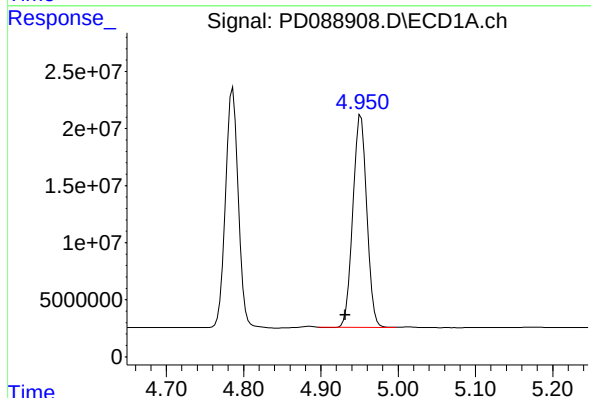
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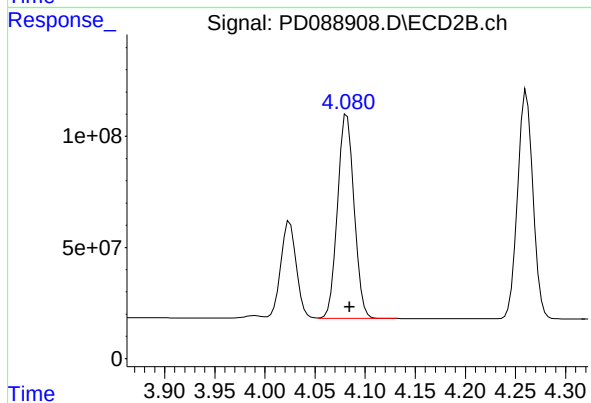
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: -0.003 min
Response: 1073518537
Conc: 48.43 ng/ml



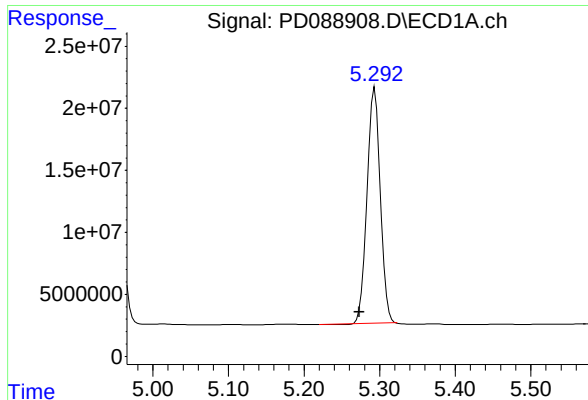
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: 0.020 min
Response: 231226642
Conc: 51.71 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.003 min
Response: 1052842585
Conc: 46.89 ng/ml



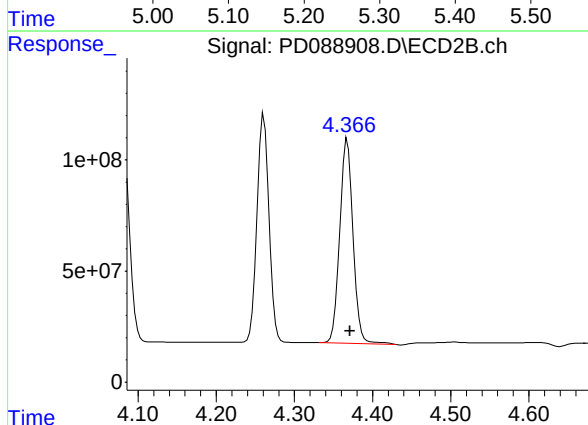
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: 0.020 min
Response: 231308203
Conc: 52.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

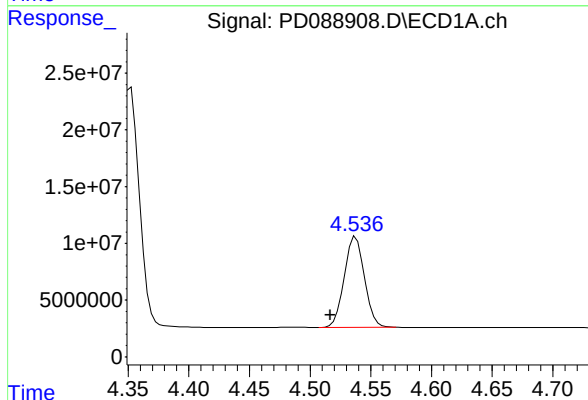
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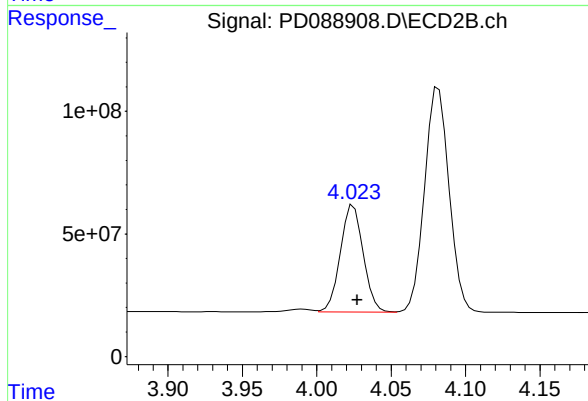
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: -0.004 min
Response: 1089654958
Conc: 49.69 ng/ml



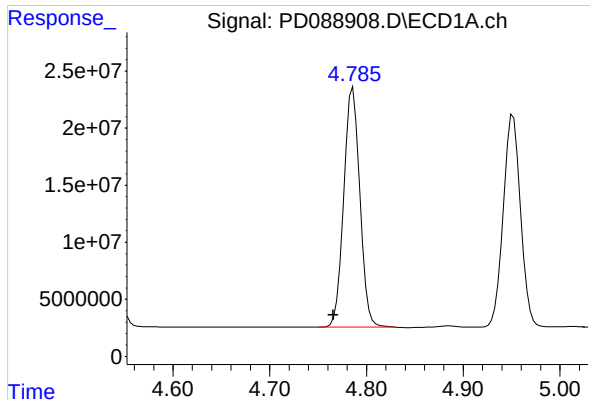
#6 beta-BHC

R.T.: 4.538 min
Delta R.T.: 0.021 min
Response: 92652123
Conc: 51.38 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 466974566
Conc: 47.93 ng/ml



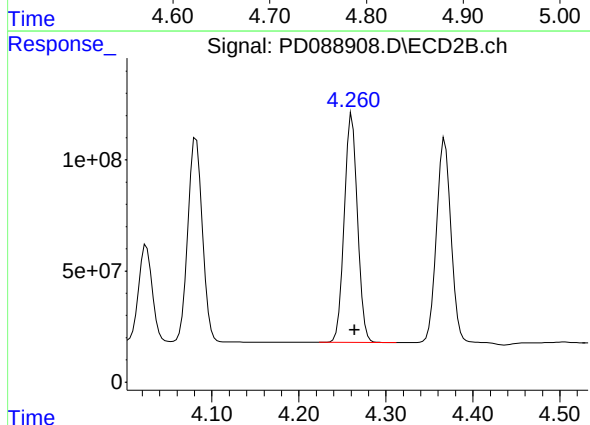
#7 delta-BHC

R.T.: 4.785 min
Delta R.T.: 0.019 min
Response: 241789370
Conc: 57.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

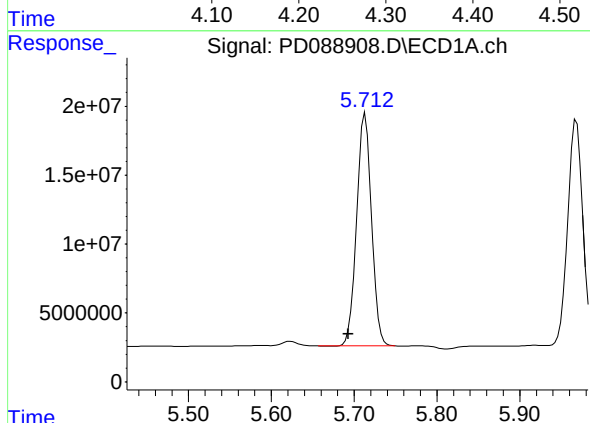
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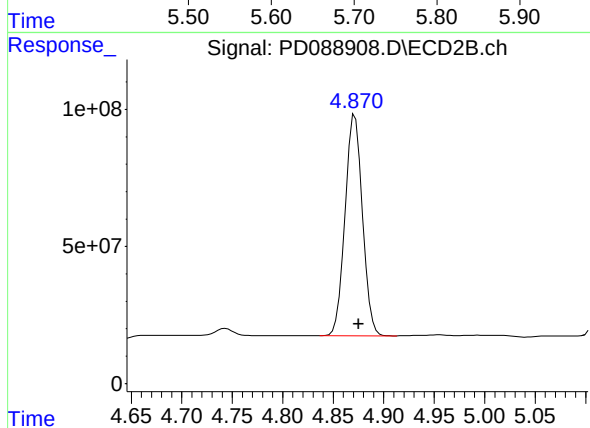
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.003 min
Response: 1094041988
Conc: 49.07 ng/ml



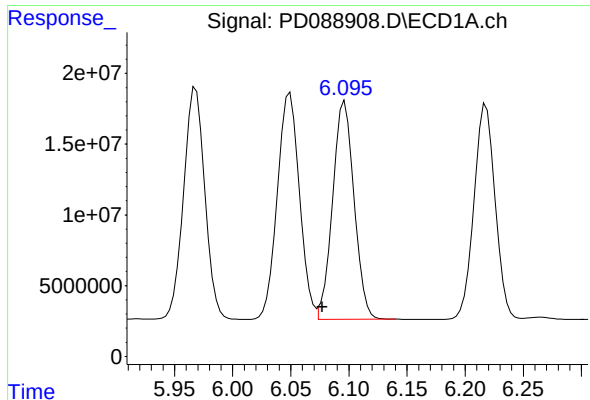
#8 Heptachlor epoxide

R.T.: 5.713 min
Delta R.T.: 0.021 min
Response: 210441724
Conc: 53.02 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.004 min
Response: 968508870
Conc: 48.74 ng/ml



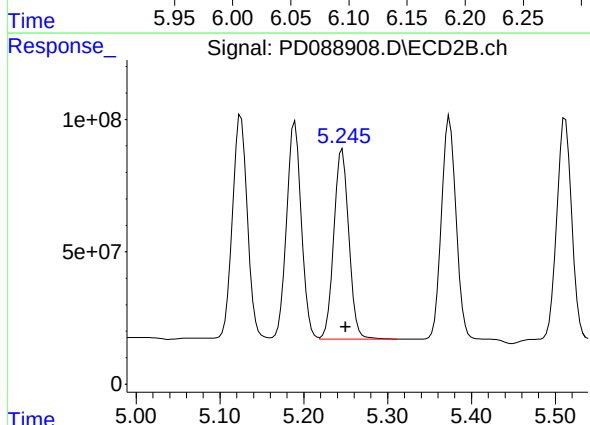
#9 Endosulfan I

R.T.: 6.096 min
Delta R.T.: 0.019 min
Response: 198746653
Conc: 52.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

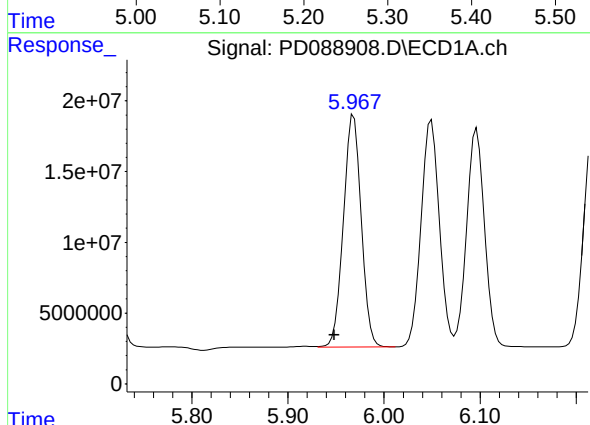
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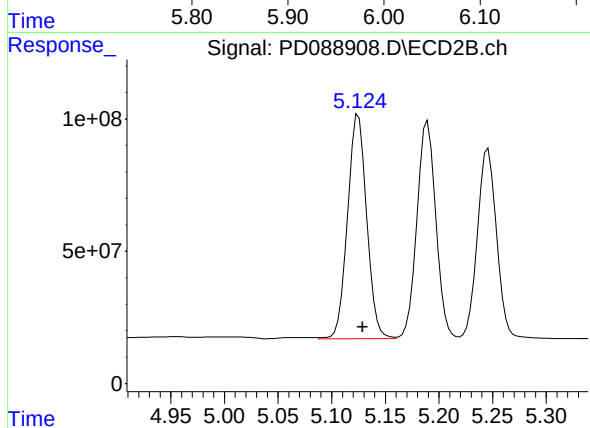
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.004 min
Response: 894558056
Conc: 47.14 ng/ml



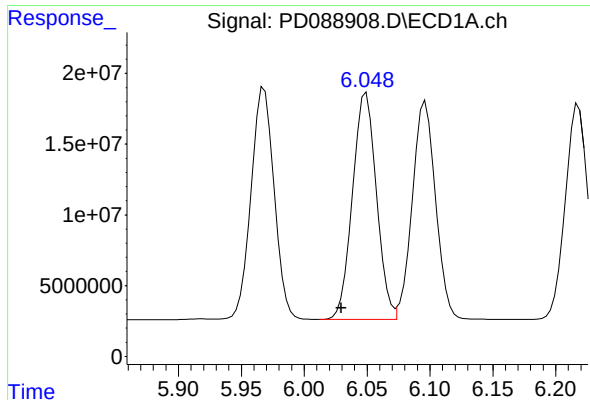
#10 gamma-Chlordane

R.T.: 5.968 min
Delta R.T.: 0.020 min
Response: 209906533
Conc: 52.62 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1054326828
Conc: 49.42 ng/ml



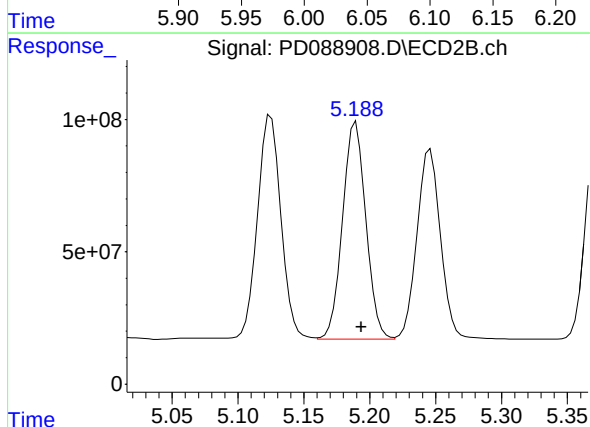
#11 alpha-Chlordane

R.T.: 6.049 min
Delta R.T.: 0.020 min
Response: 212016541
Conc: 52.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

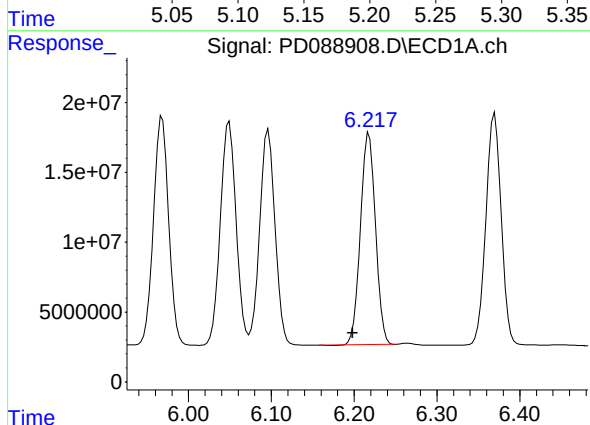
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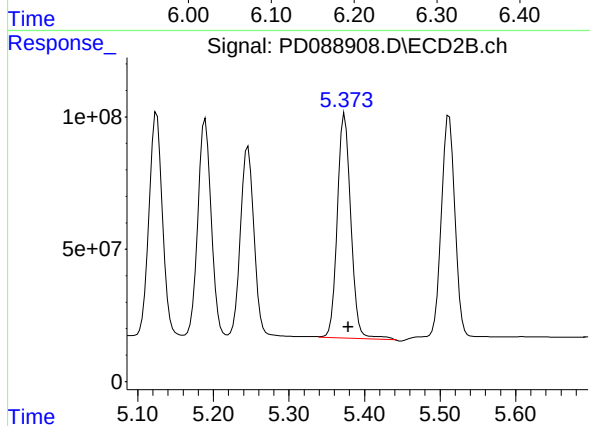
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.004 min
Response: 1009129437
Conc: 48.93 ng/ml



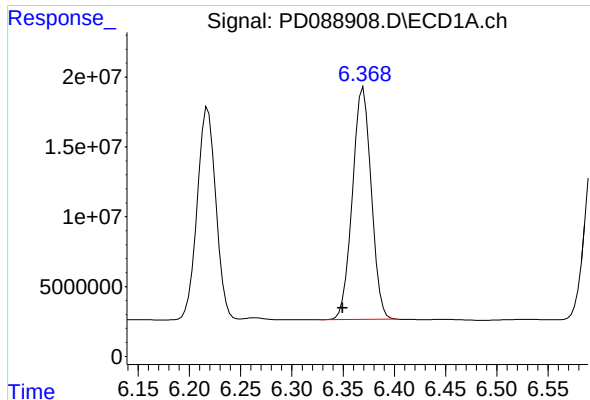
#12 4,4'-DDE

R.T.: 6.218 min
Delta R.T.: 0.020 min
Response: 191125704
Conc: 53.25 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.004 min
Response: 1056137302
Conc: 50.53 ng/ml



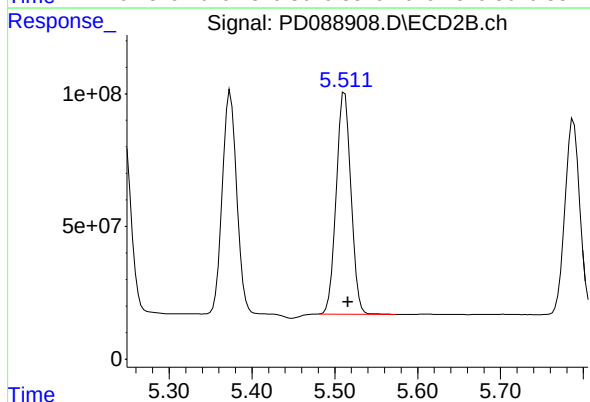
#13 Dieldrin

R.T.: 6.370 min
Delta R.T.: 0.020 min
Response: 212043505
Conc: 52.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

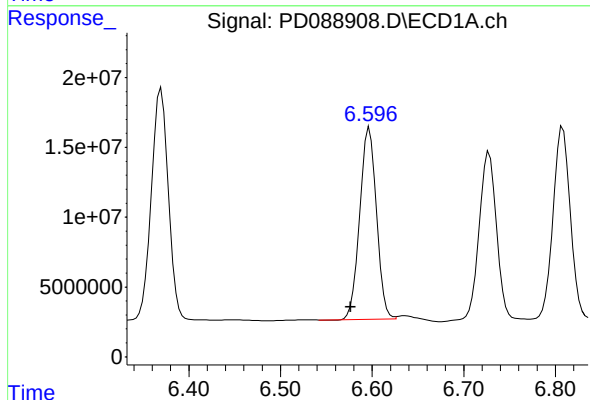
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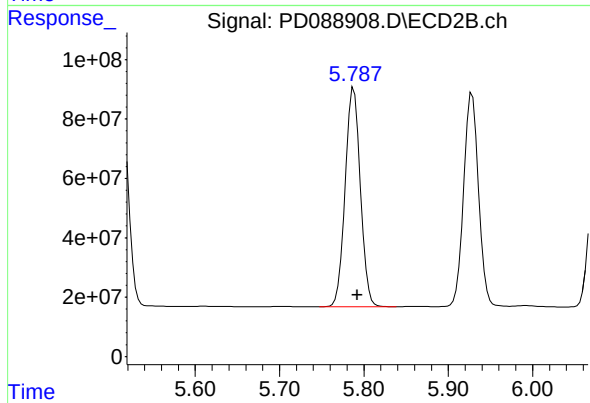
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 1032834734
Conc: 49.08 ng/ml



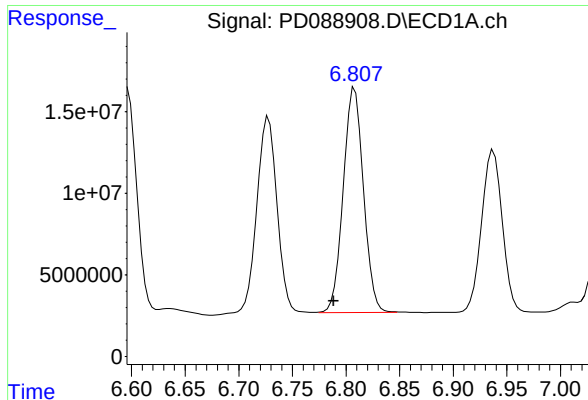
#14 Endrin

R.T.: 6.597 min
Delta R.T.: 0.021 min
Response: 173757139
Conc: 50.88 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 924112854
Conc: 47.92 ng/ml



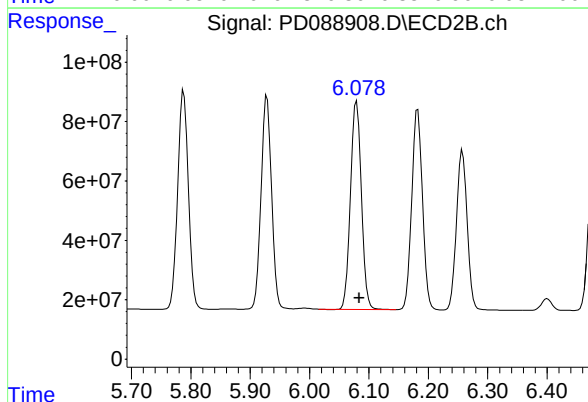
#15 Endosulfan II

R.T.: 6.807 min
Delta R.T.: 0.018 min
Response: 180860959
Conc: 52.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

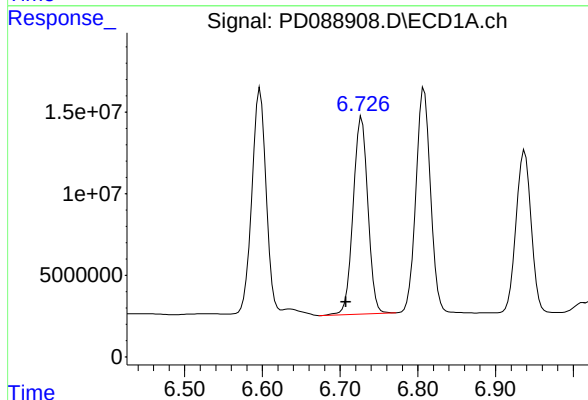
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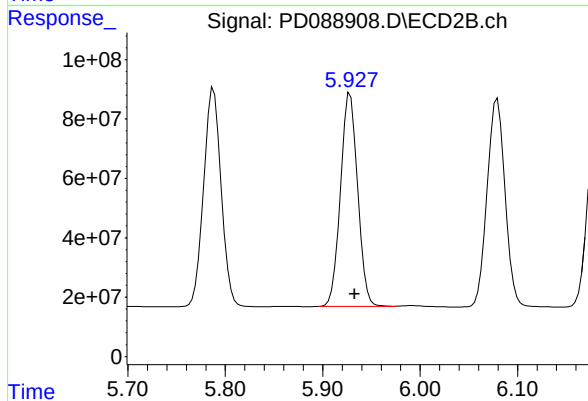
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.005 min
Response: 898953110
Conc: 49.06 ng/ml



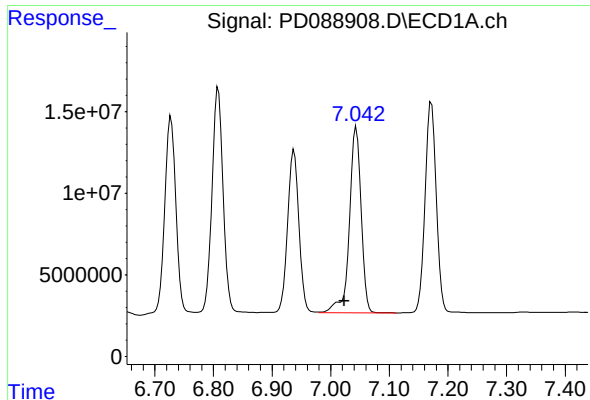
#16 4,4'-DDD

R.T.: 6.728 min
Delta R.T.: 0.020 min
Response: 158589865
Conc: 56.94 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.004 min
Response: 876936385
Conc: 50.42 ng/ml



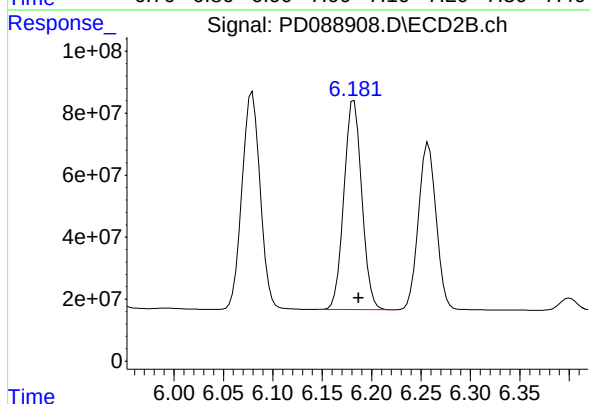
#17 4,4'-DDT

R.T.: 7.044 min
Delta R.T.: 0.020 min
Response: 157551963
Conc: 50.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

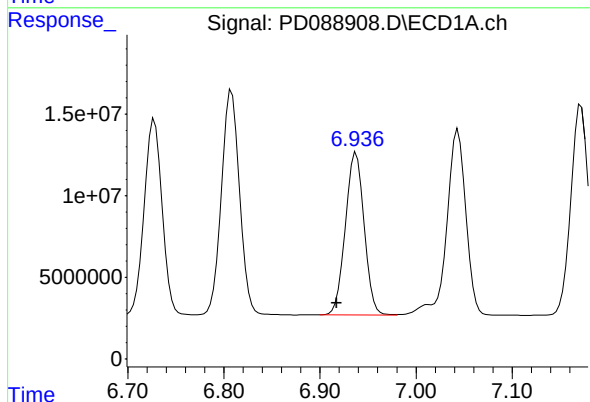
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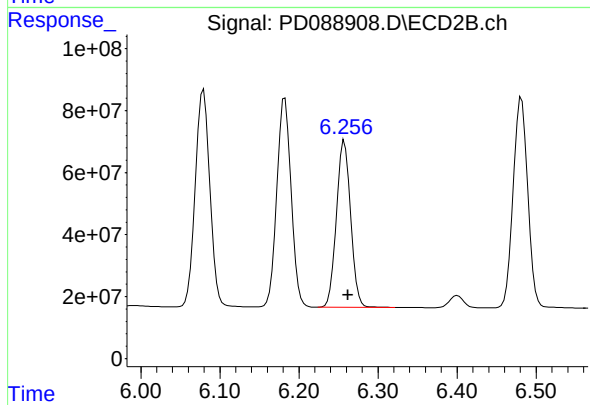
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 849672171
Conc: 46.85 ng/ml



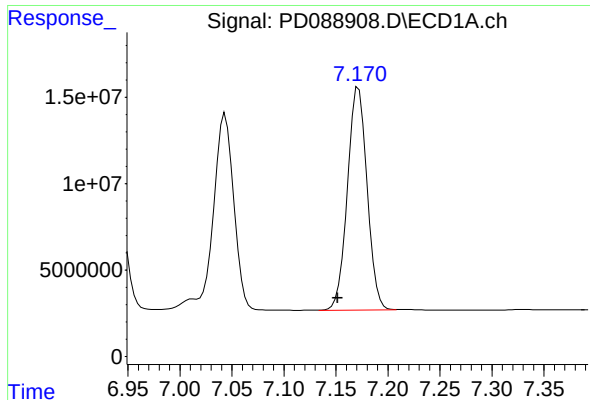
#18 Endrin aldehyde

R.T.: 6.937 min
Delta R.T.: 0.020 min
Response: 134326845
Conc: 52.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 674946030
Conc: 48.46 ng/ml



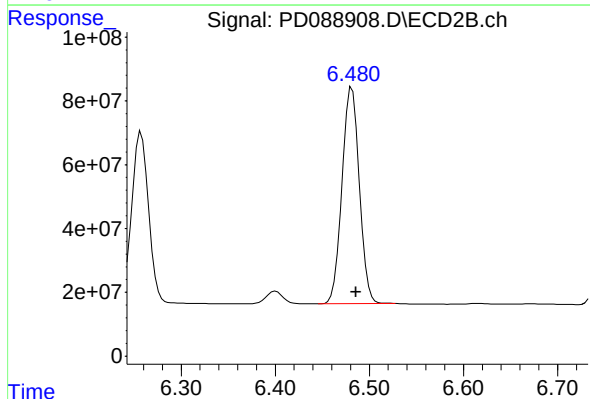
#19 Endosulfan Sulfate

R.T.: 7.170 min
Delta R.T.: 0.019 min
Response: 169930215
Conc: 53.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

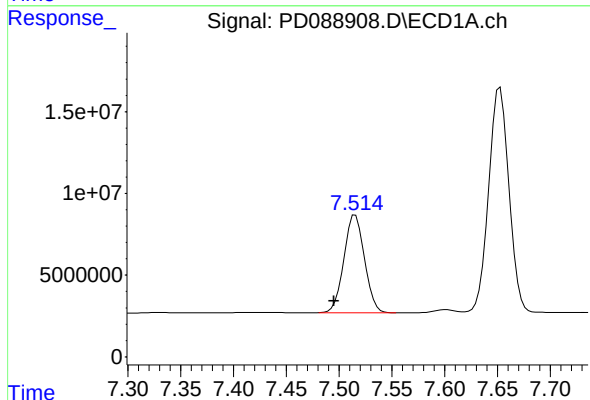
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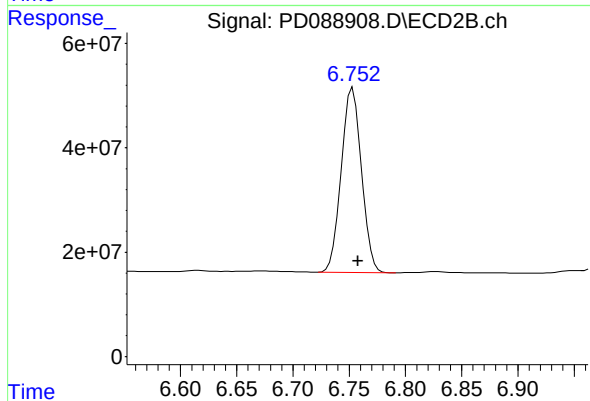
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.004 min
Response: 867699261
Conc: 48.87 ng/ml



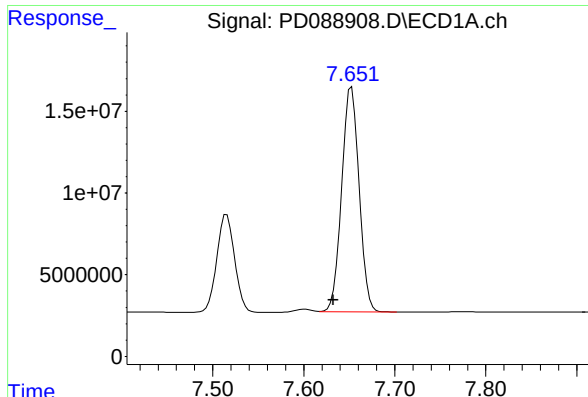
#20 Methoxychlor

R.T.: 7.514 min
Delta R.T.: 0.019 min
Response: 81616095
Conc: 48.86 ng/ml m



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 444250066
Conc: 46.40 ng/ml



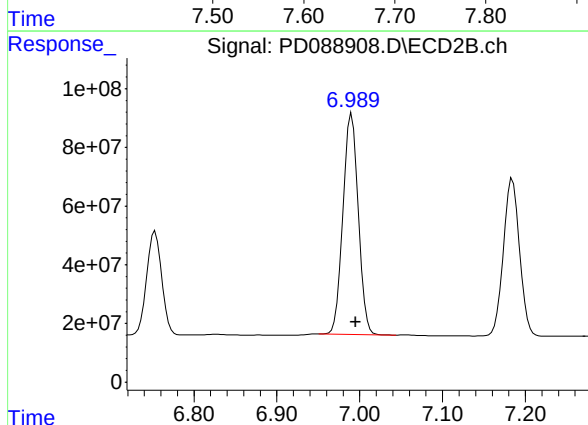
#21 Endrin ketone

R.T.: 7.651 min
Delta R.T.: 0.019 min
Response: 183810096
Conc: 53.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168350BS

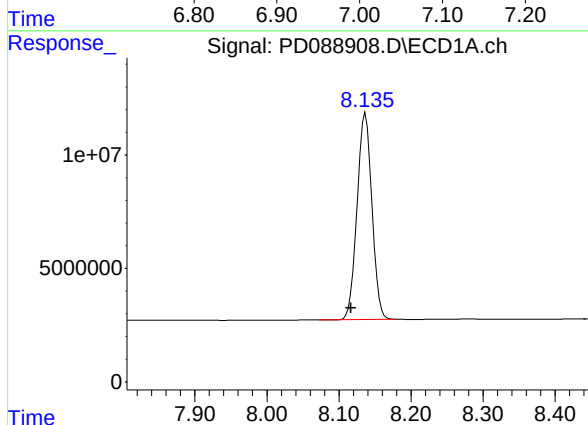
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/12/2025
Supervised By :mohammad ahmed 06/13/2025



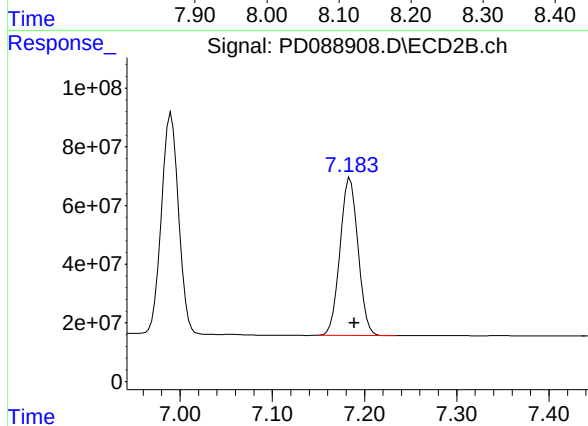
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 968791017
Conc: 50.07 ng/ml



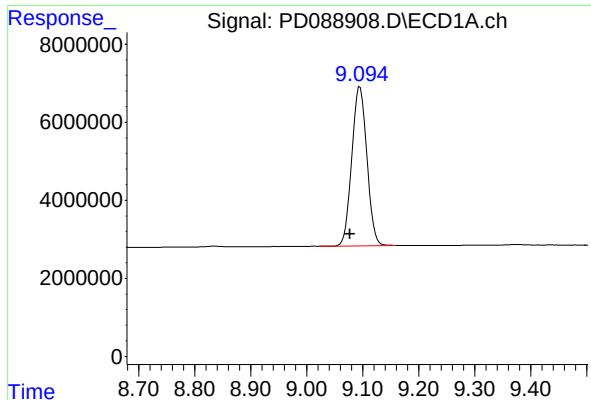
#22 Mirex

R.T.: 8.137 min
Delta R.T.: 0.020 min
Response: 130342360
Conc: 50.16 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.005 min
Response: 726106207
Conc: 47.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.095 min
Delta R.T.: 0.018 min
Response: 76334216
Conc: 22.30 ng/ml

Instrument :

ECD_D

ClientSampleId :

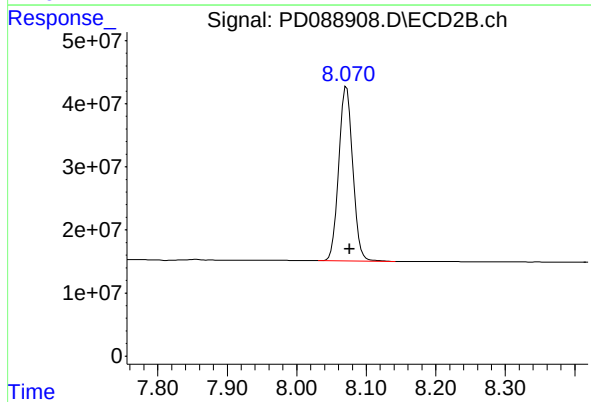
PB168350BS

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.005 min
Response: 387598991
Conc: 21.23 ng/ml