

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
 Data File : PD088918.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jun 2025 14:32
 Operator : AR\AJ
 Sample : PB168411BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168411BS

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 07:40:06 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...	3.548	2.879	48623283	320.1E6	22.472	21.164
28)	SA Decachlor...	9.073	8.072	79249173	410.5E6	23.156	22.484
Target Compounds							
2)	A alpha-BHC	3.998	3.391	260.7E6	1206.9E6	54.569	50.488
3)	MA gamma-BHC...	4.329	3.728	248.4E6	1122.7E6	53.962	50.648
4)	MA Heptachlor	4.929	4.081	240.8E6	1104.6E6	53.856	49.192
5)	MB Aldrin	5.270	4.367	242.1E6	1139.2E6	55.099	51.945
6)	B beta-BHC	4.514	4.023	96261216	485.2E6	53.385	49.809
7)	B delta-BHC	4.762	4.260	247.2E6	1140.2E6	58.501	51.143
8)	B Heptachlo...	5.690	4.871	217.8E6	1001.5E6	54.882	50.397
9)	A Endosulfan I	6.074	5.245	205.9E6	915.2E6	54.710	48.222
10)	B gamma-Chl...	5.946	5.125	217.0E6	1093.2E6	54.396	51.248
11)	B alpha-Chl...	6.026	5.189	219.7E6	1044.3E6	54.845	50.635
12)	B 4,4'-DDE	6.195	5.373	197.9E6	1056.3E6	55.143	50.533m
13)	MA Dieldrin	6.346	5.512	219.9E6	1066.2E6	54.816	50.665
14)	MA Endrin	6.574	5.788	184.8E6	966.0E6	54.108	50.091
15)	B Endosulfa...	6.786	6.079	186.4E6	932.5E6	54.136	50.893
16)	A 4,4'-DDD	6.705	5.928	162.2E6	908.5E6	58.238	52.238
17)	MA 4,4'-DDT	7.021	6.182	164.5E6	889.7E6	52.681	49.056
18)	B Endrin al...	6.914	6.258	139.3E6	701.8E6	54.107	50.388
19)	B Endosulfa...	7.149	6.481	174.7E6	902.9E6	54.537	50.849
20)	A Methoxychlor	7.493	6.753	85176682	468.1E6	50.987	48.893
21)	B Endrin ke...	7.630	6.990	189.3E6	1004.7E6	55.302	51.927
22)	Mirex	8.113	7.184	135.7E6	757.5E6	52.241	49.831

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD061125\
Data File : PD088918.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jun 2025 14:32
Operator : AR\AJ
Sample : PB168411BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168411BS

Manual Integrations

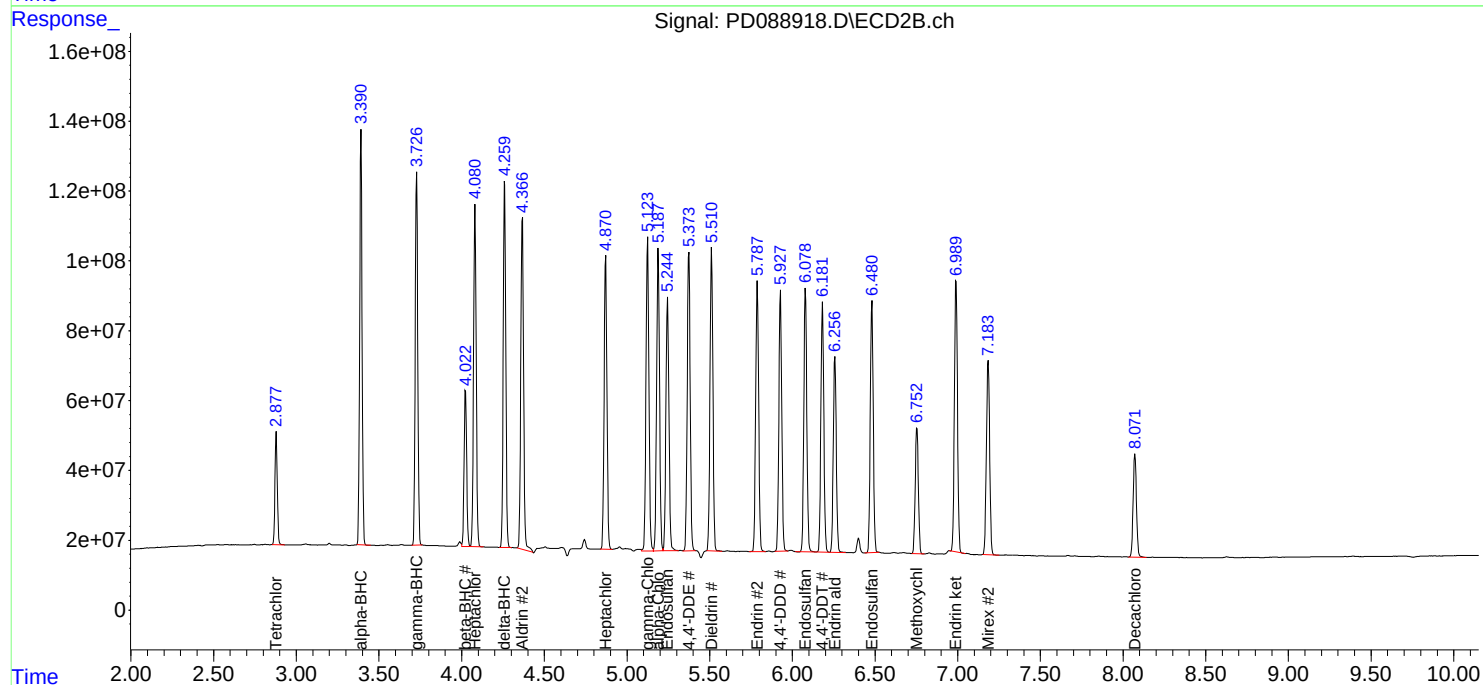
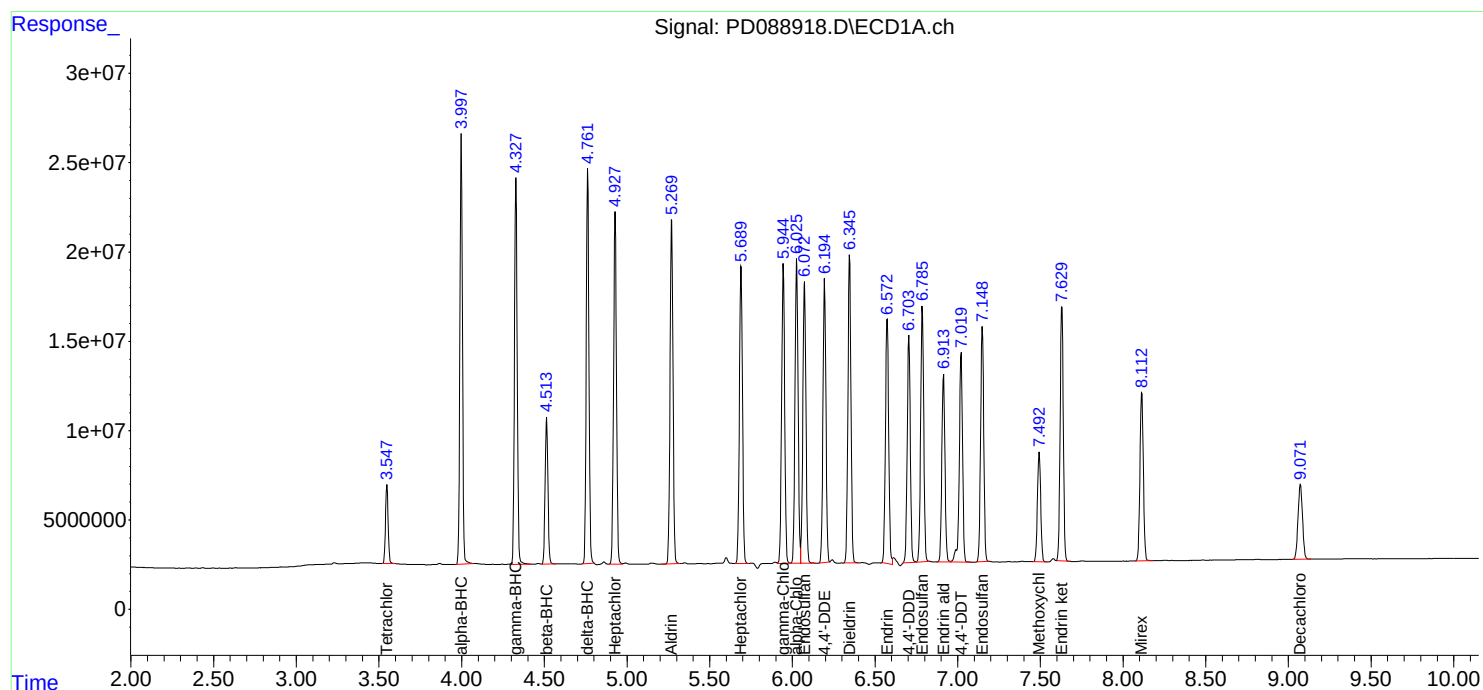
APPROVED

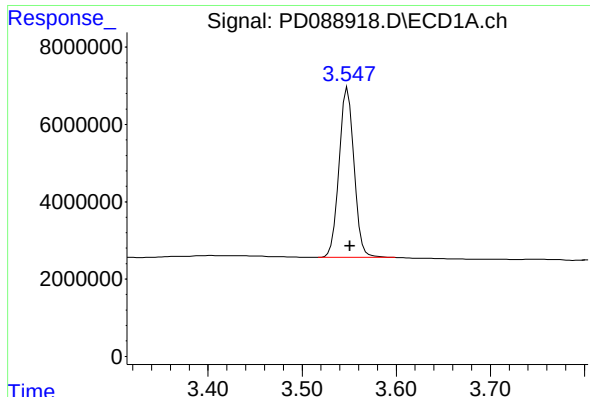
Reviewed By :Abdul Mirza 06/12/2025

Supervised By :mohammad ahmed 06/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 07:40:06 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





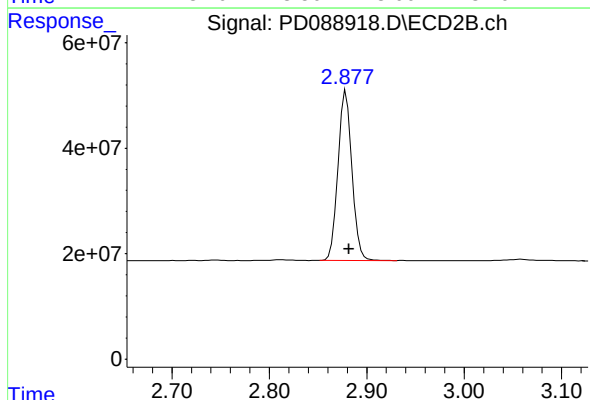
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.003 min
Response: 48623283
Conc: 22.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

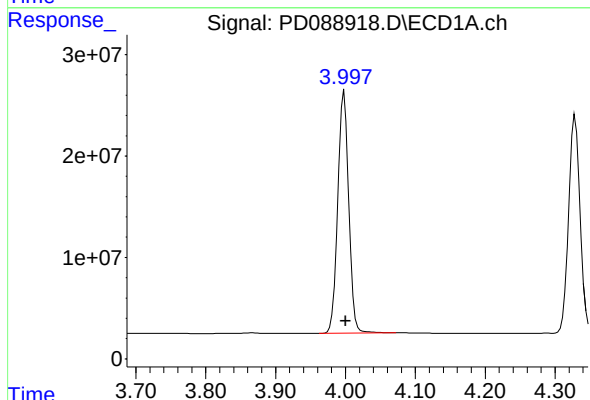
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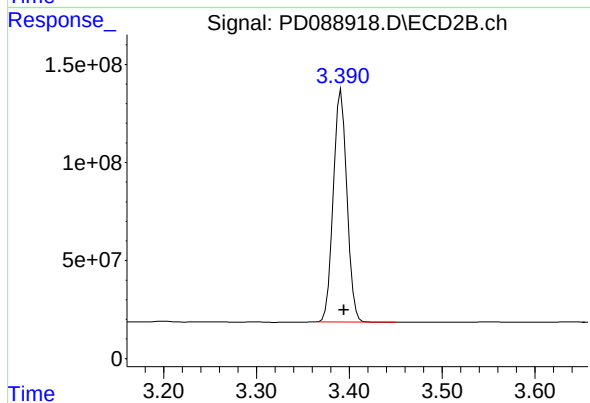
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.003 min
Response: 320137793
Conc: 21.16 ng/ml



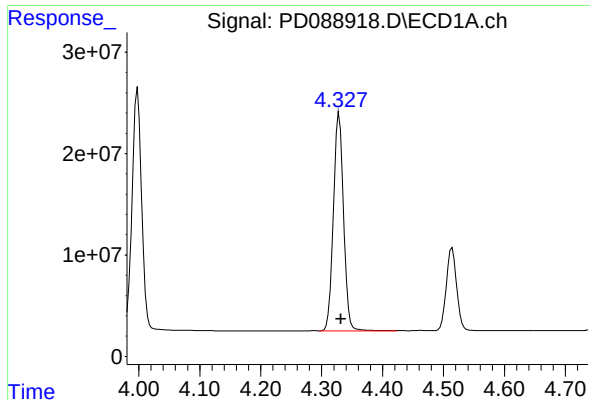
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: -0.002 min
Response: 260650788
Conc: 54.57 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.003 min
Response: 1206861739
Conc: 50.49 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: -0.003 min
Response: 248370052
Conc: 53.96 ng/ml

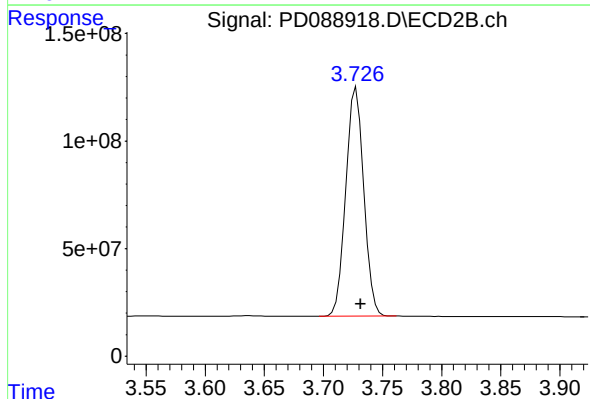
Instrument :

ECD_D

ClientSampleId :
PB168411BS

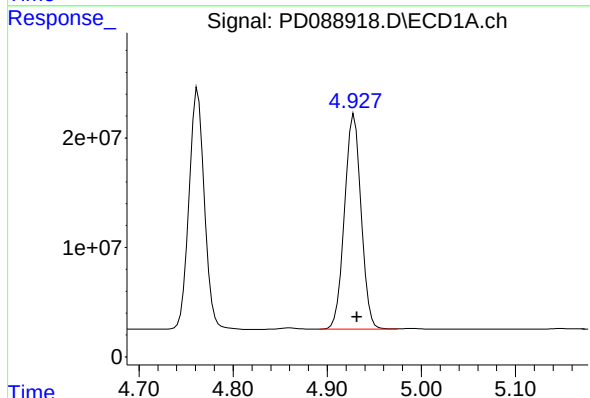
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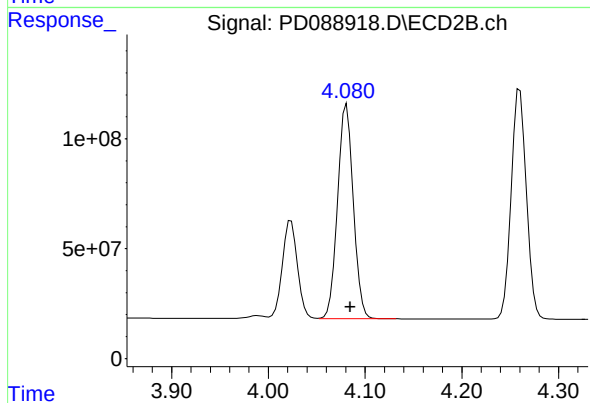
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.004 min
Response: 1122658833
Conc: 50.65 ng/ml



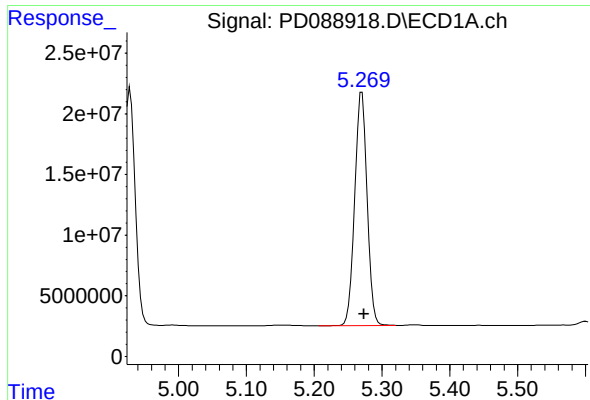
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: -0.003 min
Response: 240801549
Conc: 53.86 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.004 min
Response: 1104591722
Conc: 49.19 ng/ml



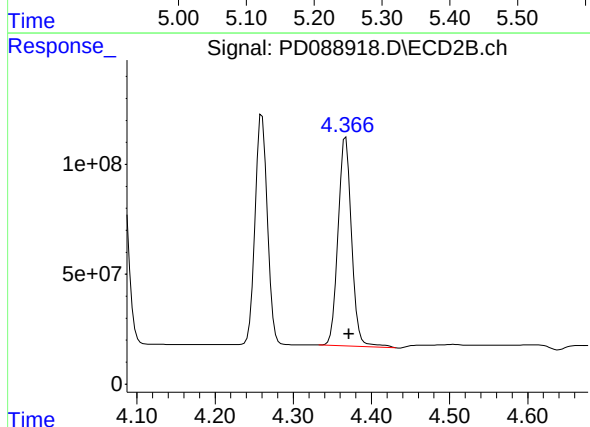
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 242135073
Conc: 55.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

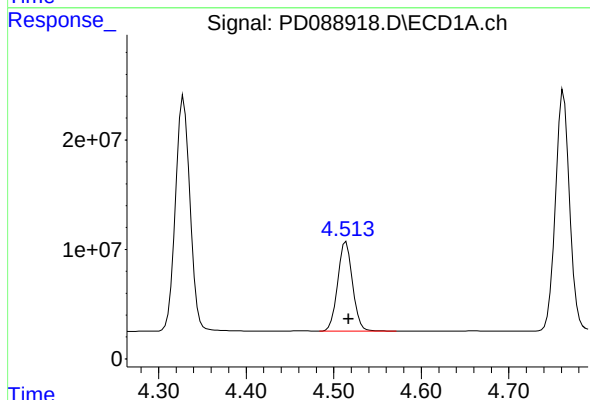
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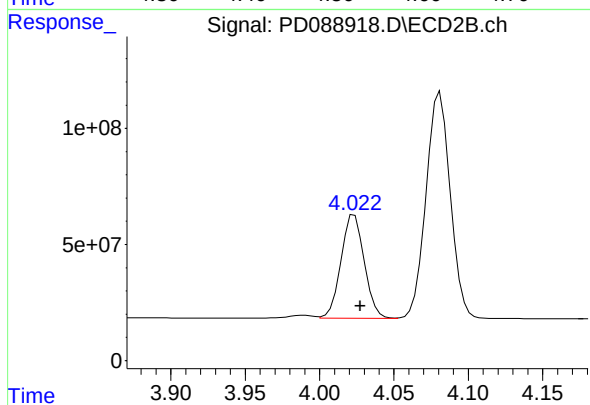
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.004 min
Response: 1139150157
Conc: 51.95 ng/ml



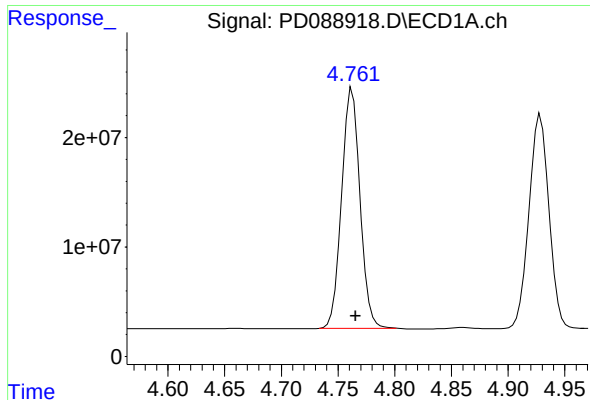
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: -0.003 min
Response: 96261216
Conc: 53.38 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.004 min
Response: 485231649
Conc: 49.81 ng/ml



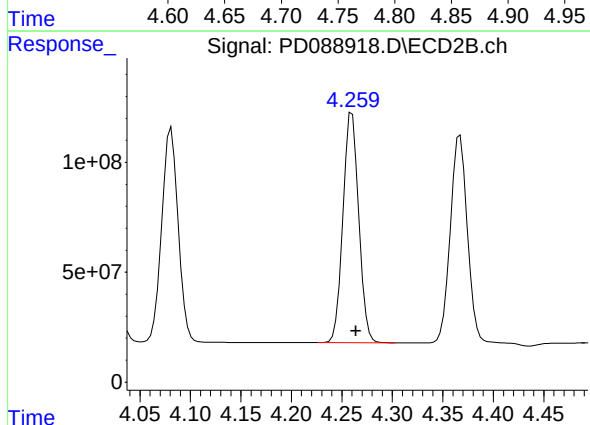
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: -0.003 min
Response: 247232019
Conc: 58.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

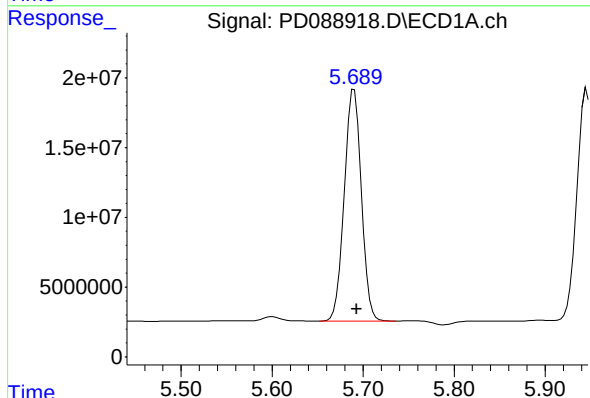
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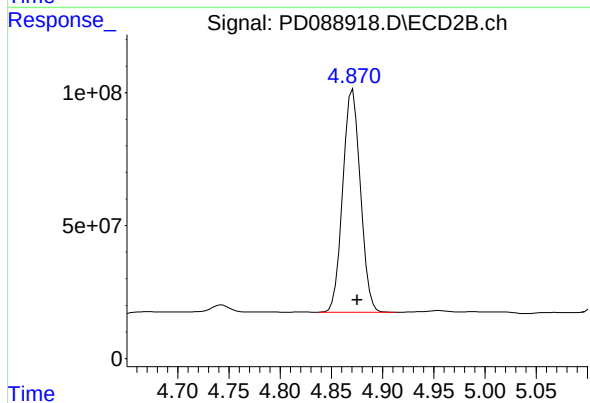
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.004 min
Response: 1140188992
Conc: 51.14 ng/ml



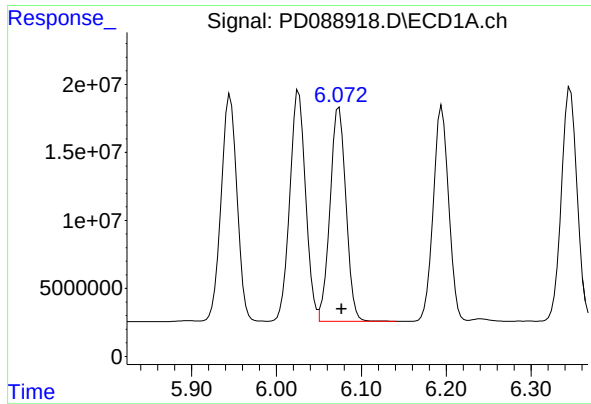
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.003 min
Response: 217844545
Conc: 54.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.005 min
Response: 1001460234
Conc: 50.40 ng/ml



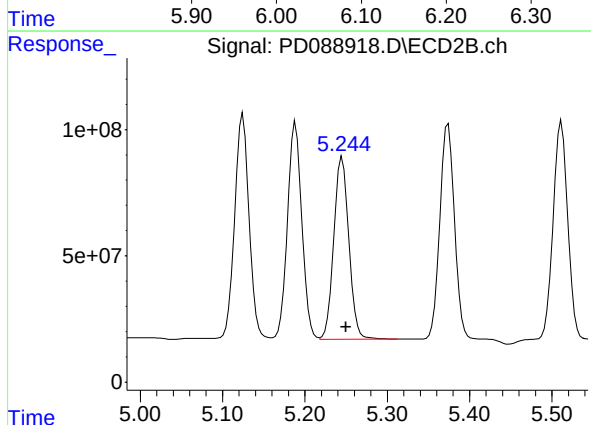
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.003 min
Response: 205870418
Conc: 54.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

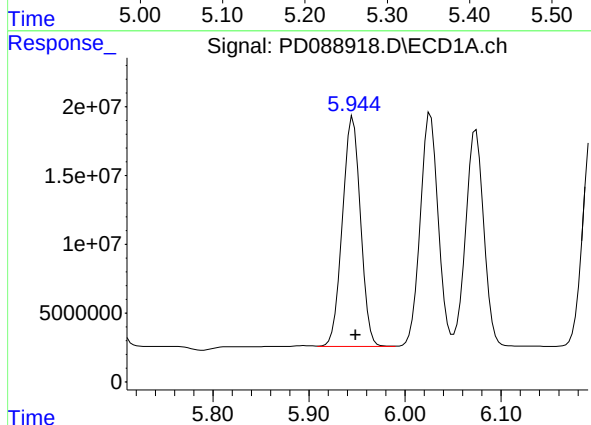
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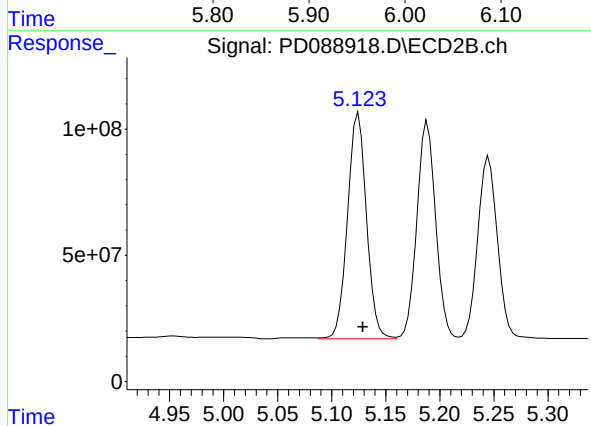
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.005 min
Response: 915184809
Conc: 48.22 ng/ml



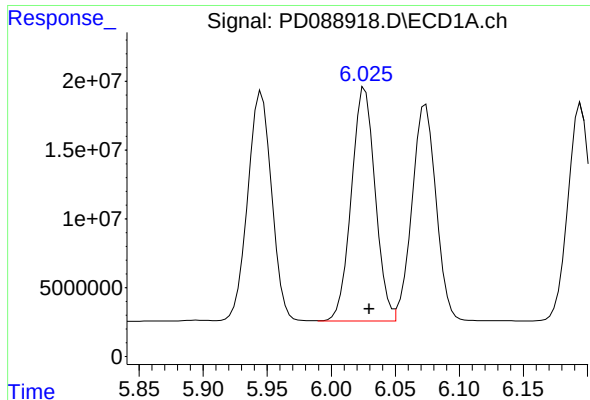
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: -0.003 min
Response: 216982174
Conc: 54.40 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.004 min
Response: 1093225294
Conc: 51.25 ng/ml



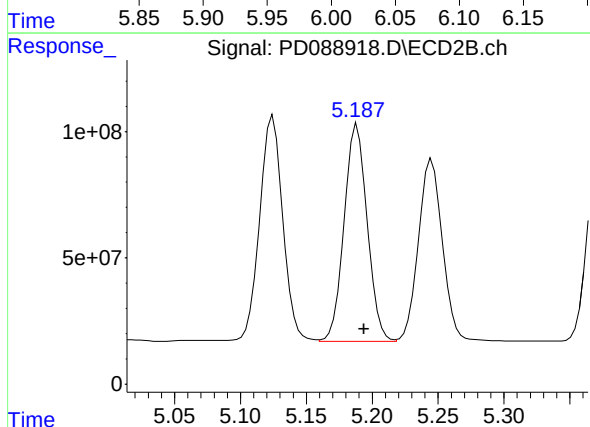
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.003 min
Response: 219723572
Conc: 54.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

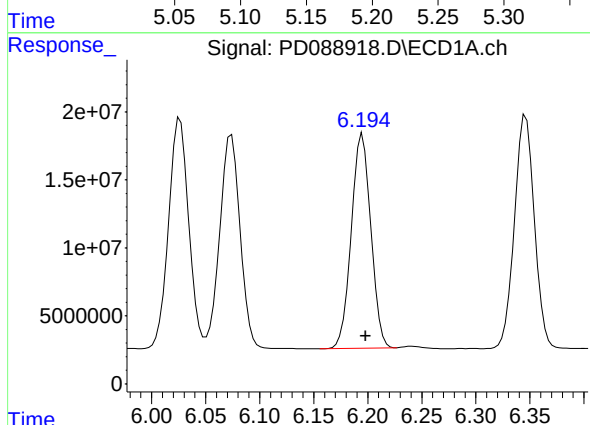
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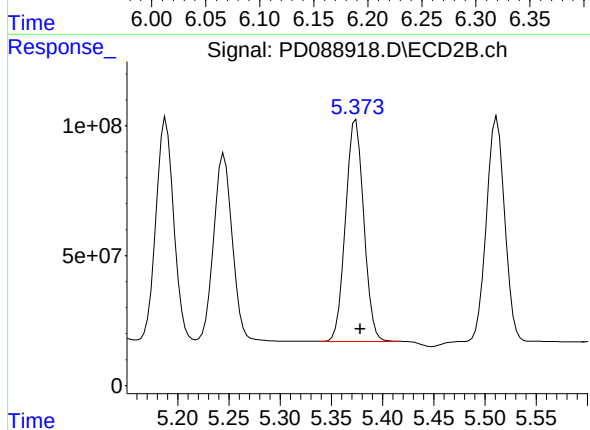
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.005 min
Response: 1044338836
Conc: 50.64 ng/ml



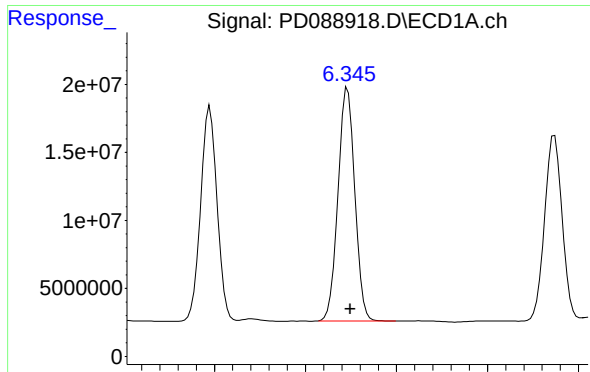
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.003 min
Response: 197929289
Conc: 55.14 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.006 min
Response: 1056280995
Conc: 50.53 ng/ml m



#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.003 min
Response: 219908276
Conc: 54.82 ng/ml

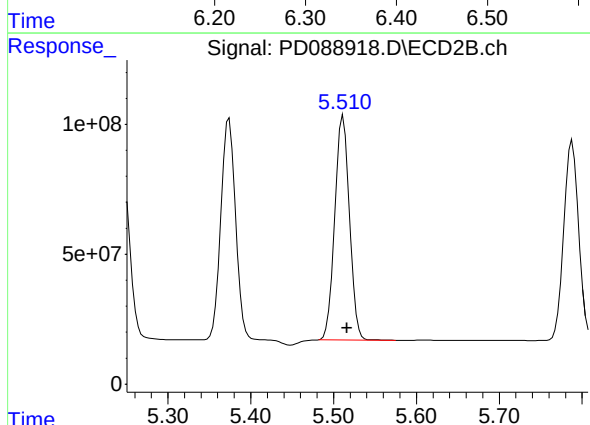
Instrument :

ECD_D

ClientSampleId :
PB168411BS

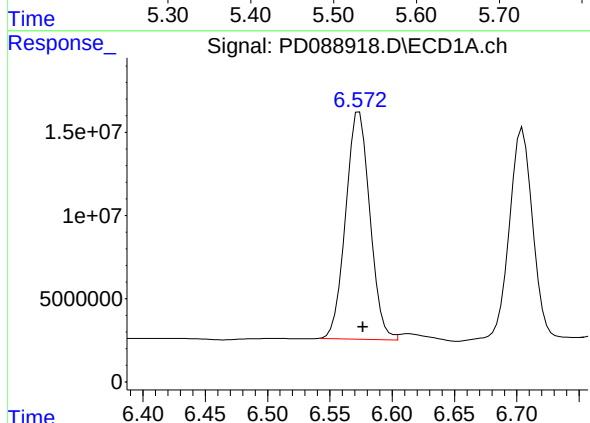
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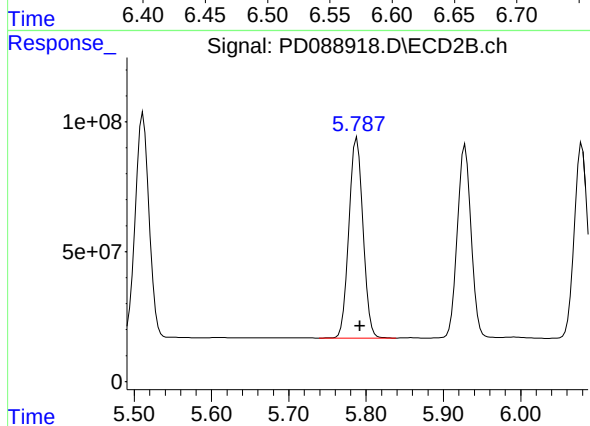
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.004 min
Response: 1066182952
Conc: 50.66 ng/ml



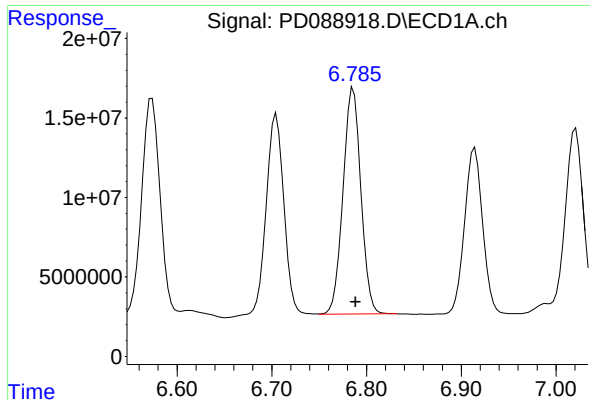
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.003 min
Response: 184789273
Conc: 54.11 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.004 min
Response: 965964472
Conc: 50.09 ng/ml



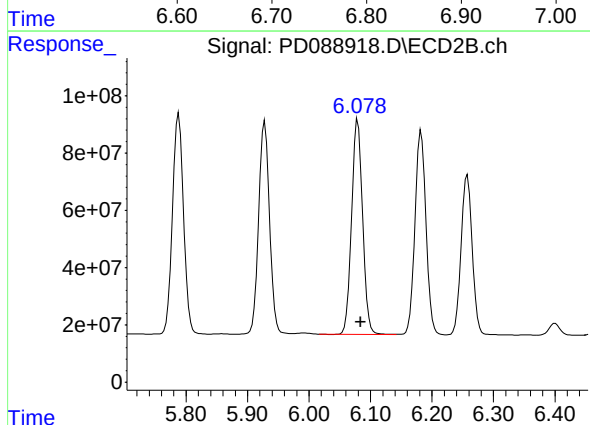
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: -0.003 min
Response: 186420870
Conc: 54.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

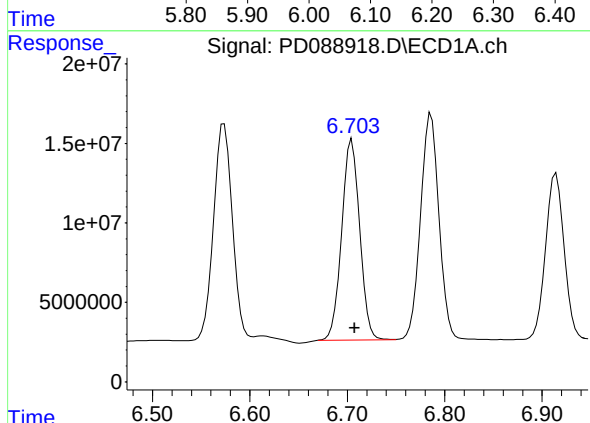
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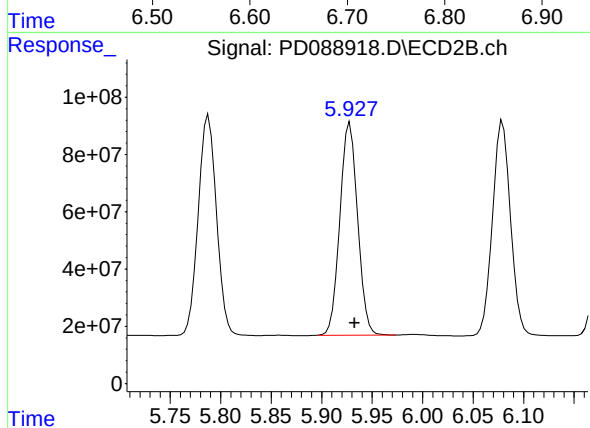
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.005 min
Response: 932454210
Conc: 50.89 ng/ml



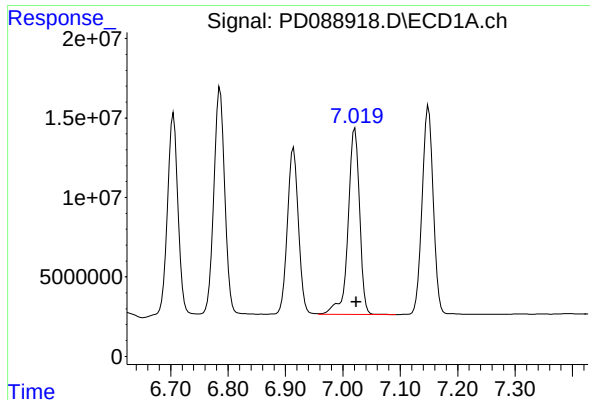
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.003 min
Response: 162199175
Conc: 58.24 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.005 min
Response: 908535215
Conc: 52.24 ng/ml



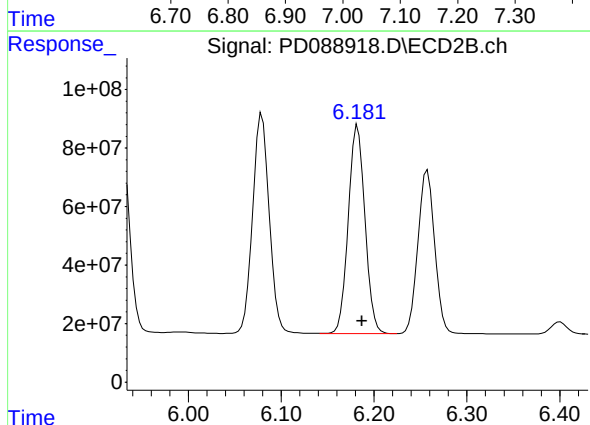
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 164471102
Conc: 52.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

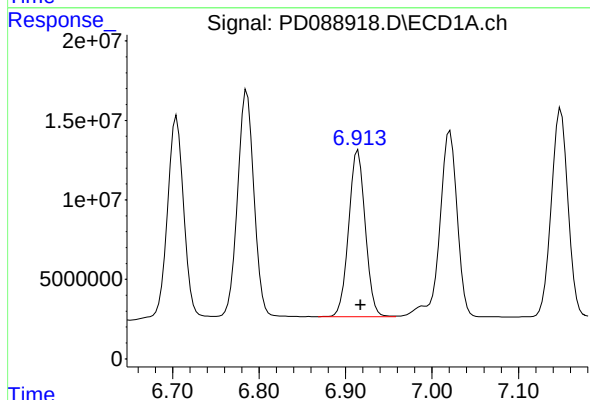
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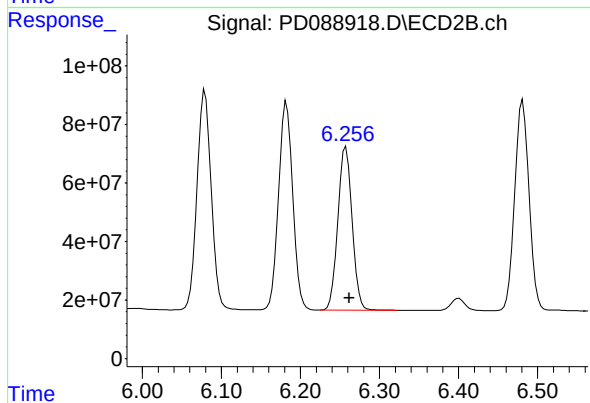
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.005 min
Response: 889738193
Conc: 49.06 ng/ml



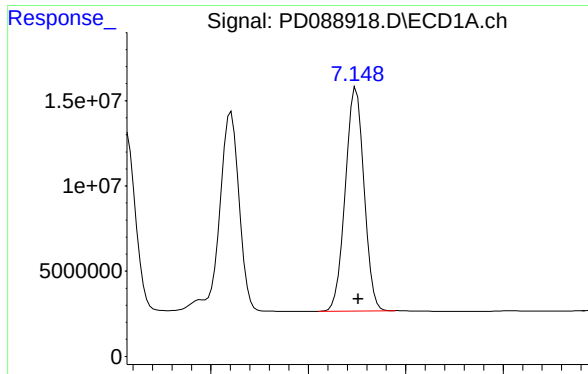
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.003 min
Response: 139304210
Conc: 54.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.004 min
Response: 701847721
Conc: 50.39 ng/ml



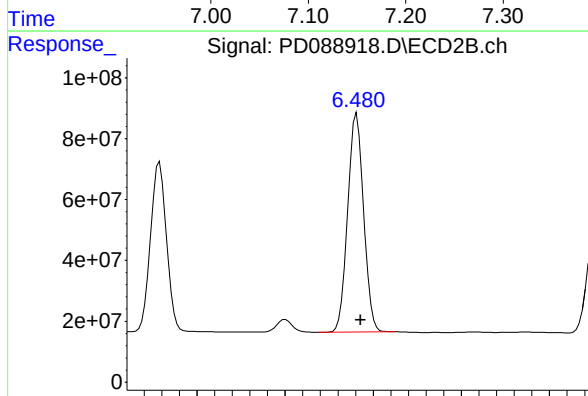
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: -0.003 min
Response: 174686110
Conc: 54.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

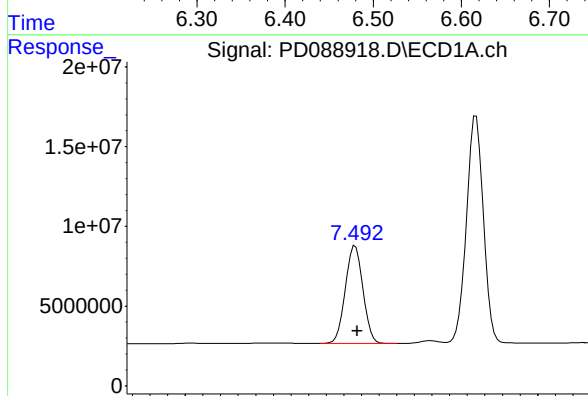
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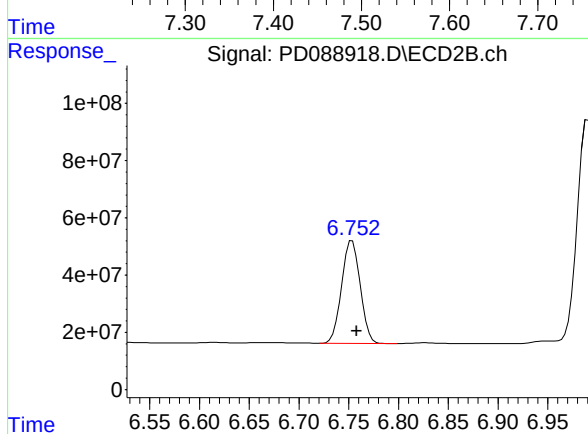
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.005 min
Response: 902871111
Conc: 50.85 ng/ml



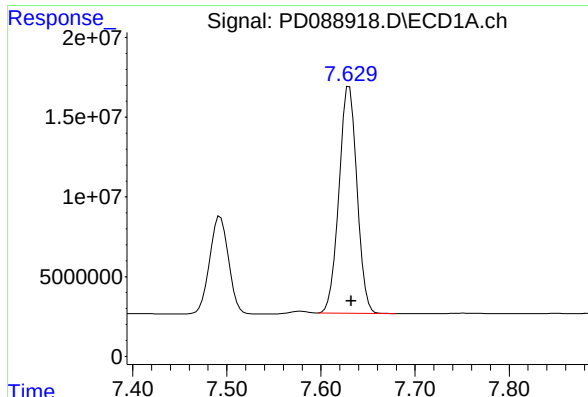
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.002 min
Response: 85176682
Conc: 50.99 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.005 min
Response: 468138296
Conc: 48.89 ng/ml



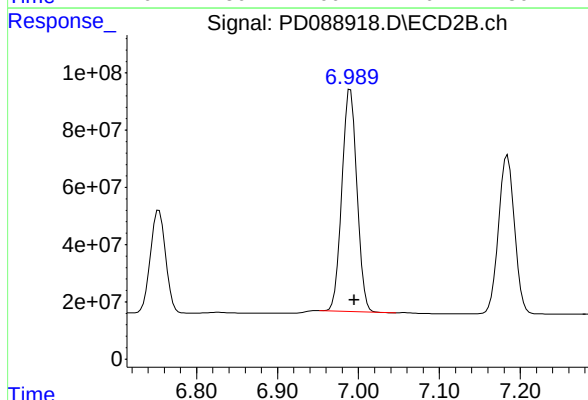
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.002 min
Response: 189307245
Conc: 55.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

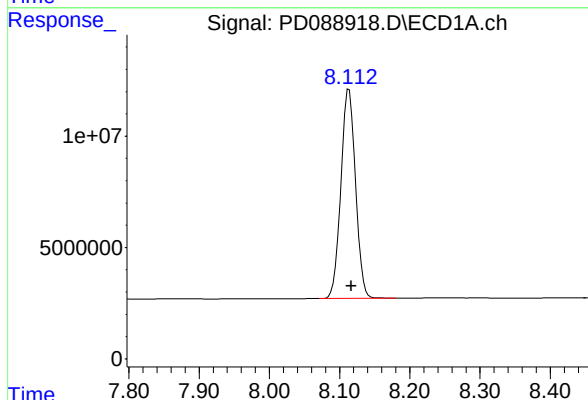
Manual Integrations
APPROVED

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



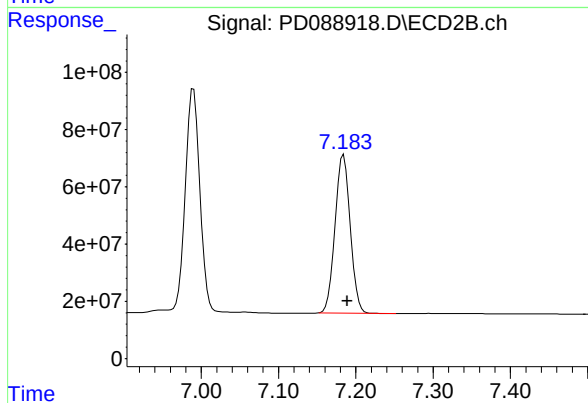
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.005 min
Response: 1004659892
Conc: 51.93 ng/ml



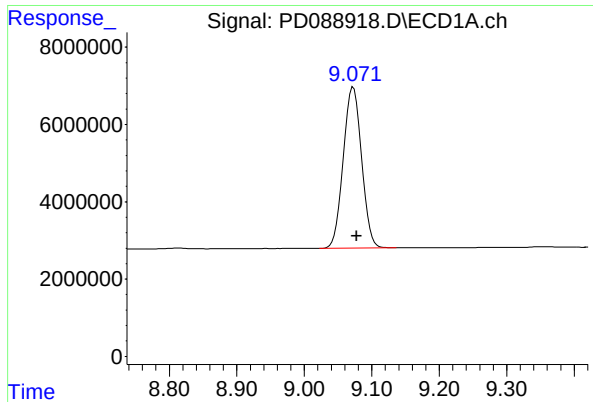
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.003 min
Response: 135736233
Conc: 52.24 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.005 min
Response: 757547841
Conc: 49.83 ng/ml



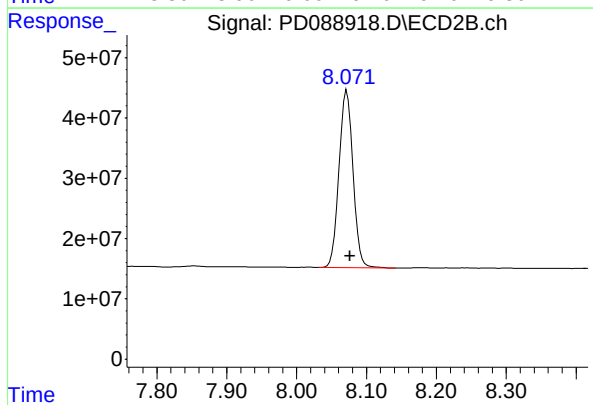
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.005 min
Response: 79249173
Conc: 23.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168411BS

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: -0.004 min
Response: 410469049
Conc: 22.48 ng/ml