

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053125\
 Data File : PD088784.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 May 2025 16:20
 Operator : AR\AJ
 Sample : PB168220BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168220BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/02/2025
 Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 30 22:49:33 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...	3.558	2.881	45272953	326.9E6	20.923	21.612
28)	SA Decachlor...	9.089	8.078	76565092	409.3E6	22.372	22.419
Target Compounds							
2)	A alpha-BHC	4.008	3.394	241.4E6	1194.1E6	50.536	49.955
3)	MA gamma-BHC...	4.340	3.731	231.4E6	1116.1E6	50.278	50.351
4)	MA Heptachlor	4.939	4.085	232.9E6	1106.8E6	52.080	49.291
5)	MB Aldrin	5.281	4.369	226.6E6	1103.8E6	51.568	50.334m
6)	B beta-BHC	4.525	4.027	87888705	490.1E6	48.742	50.311
7)	B delta-BHC	4.772	4.264	228.2E6	1069.0E6	54.008m	47.951
8)	B Heptachlo...	5.702	4.876	205.0E6	991.0E6	51.647	49.870
9)	A Endosulfan I	6.085	5.250	193.7E6	879.4E6	51.464	46.334
10)	B gamma-Chl...	5.957	5.129	205.9E6	1075.4E6	51.626	50.414
11)	B alpha-Chl...	6.038	5.194	205.1E6	1030.9E6	51.198	49.982
12)	B 4,4'-DDE	6.207	5.378	185.1E6	1047.0E6	51.560	50.088m
13)	MA Dieldrin	6.359	5.516	207.5E6	1054.0E6	51.734	50.084
14)	MA Endrin	6.586	5.793	177.6E6	959.5E6	52.014	49.754
15)	B Endosulfa...	6.797	6.085	175.8E6	918.2E6	51.057	50.115
16)	A 4,4'-DDD	6.717	5.934	155.1E6	875.6E6	55.684	50.345
17)	MA 4,4'-DDT	7.033	6.188	157.9E6	904.9E6	50.561	49.891
18)	B Endrin al...	6.927	6.263	129.4E6	689.7E6	50.269	49.516
19)	B Endosulfa...	7.161	6.487	158.6E6	871.6E6	49.503	49.087
20)	A Methoxychlor	7.505	6.759	81581372	454.6E6	48.835	47.476
21)	B Endrin ke...	7.642	6.996	176.6E6	959.2E6	51.576	49.579
22)	Mirex	8.126	7.190	128.3E6	743.0E6	49.371	48.876

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD053125\
Data File : PD088784.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 May 2025 16:20
Operator : AR\AJ
Sample : PB168220BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168220BS

Manual Integrations

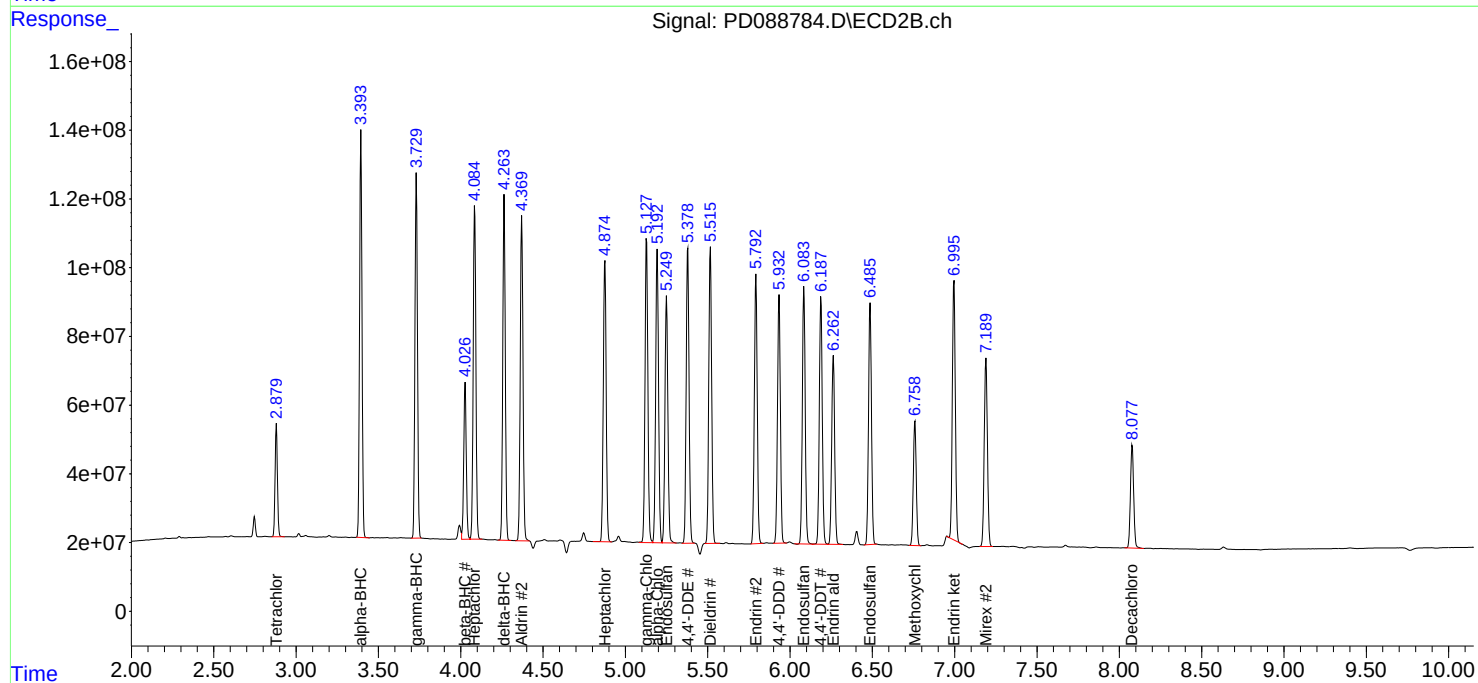
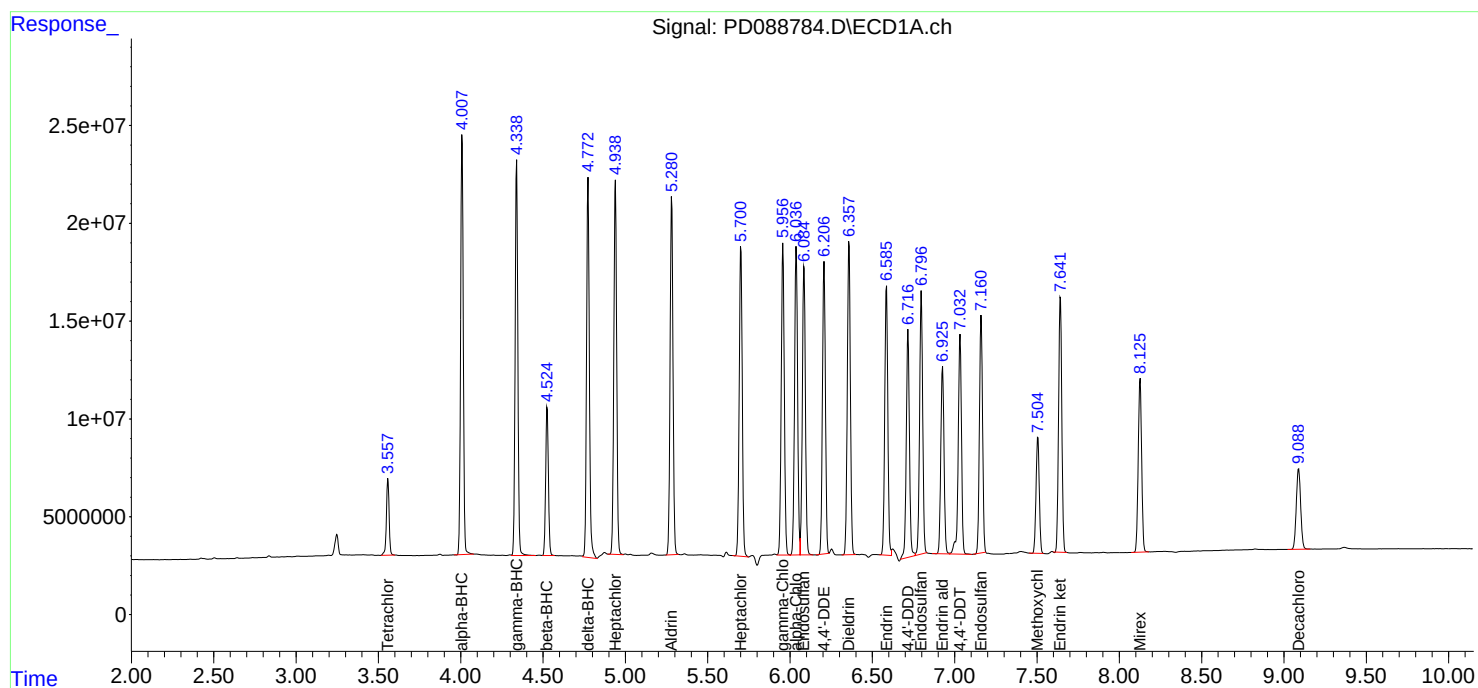
APPROVED

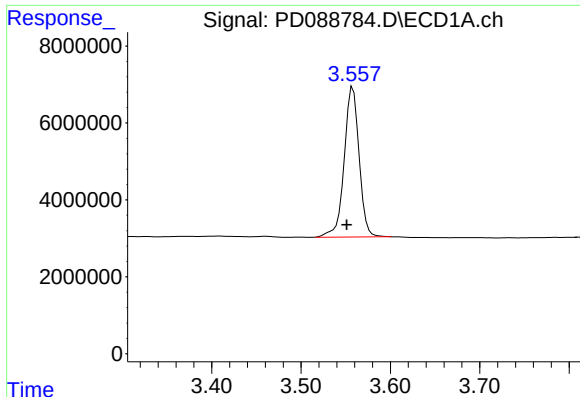
Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 30 22:49:33 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.: 3.558 min
Delta R.T.: 0.007 min
Response: 45272953
Conc: 20.92 ng/ml

Instrument :

ECD_D

ClientSampleId :

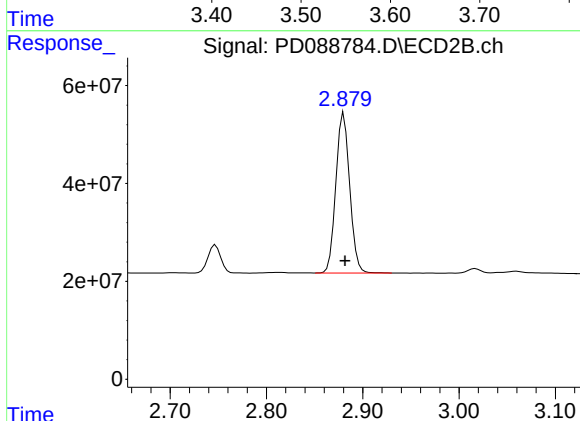
PB168220BS

Manual Integrations

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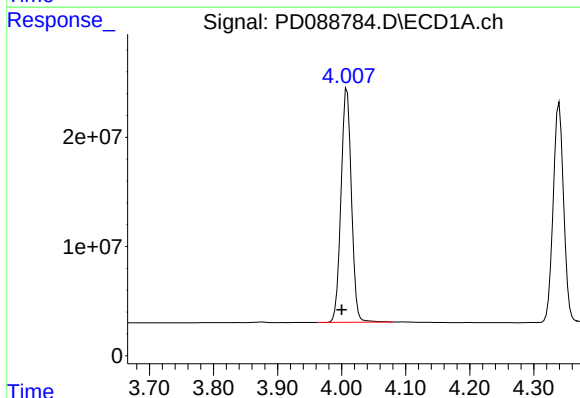
Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025



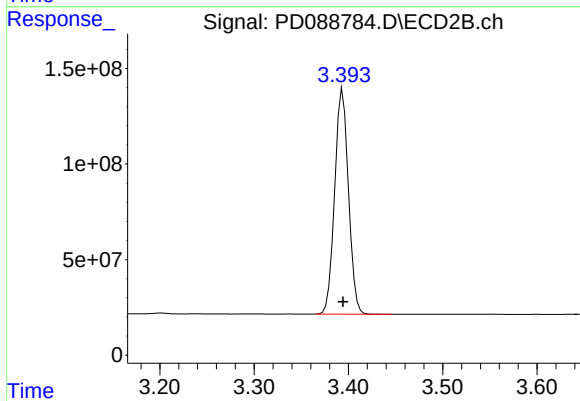
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.001 min
Response: 326922252
Conc: 21.61 ng/ml



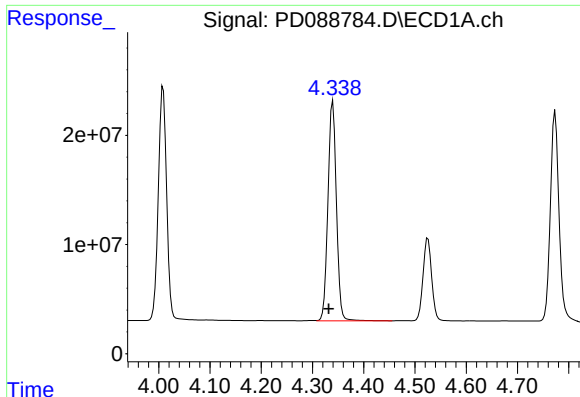
#2 alpha-BHC

R.T.: 4.008 min
Delta R.T.: 0.008 min
Response: 241388339
Conc: 50.54 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1194114345
Conc: 49.96 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.340 min
Delta R.T.: 0.008 min
Response: 231414572
Conc: 50.28 ng/ml

Instrument :

ECD_D

ClientSampleId :

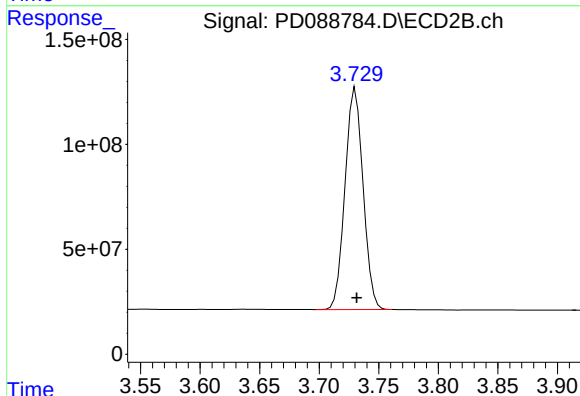
PB168220BS

Manual Integrations

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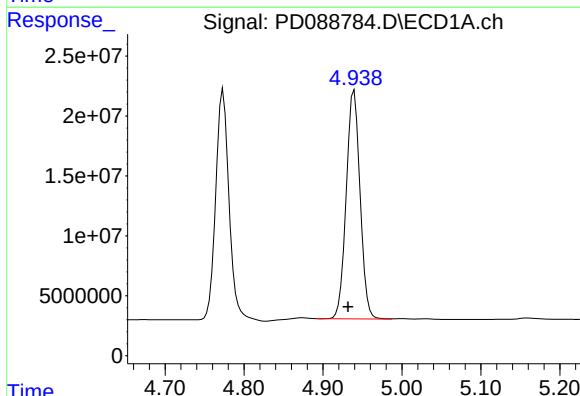
Reviewed By :Abdul Mirza 06/02/2025

Supervised By :mohammad ahmed 06/03/2025



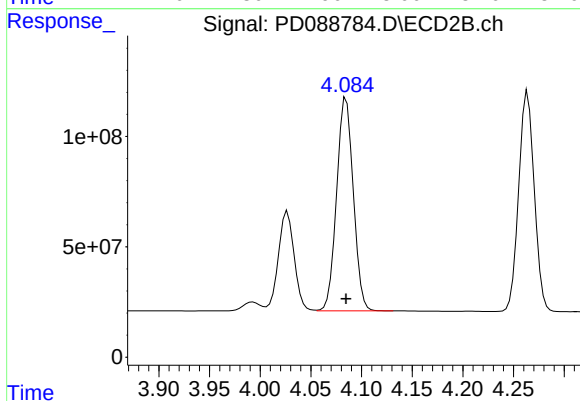
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1116075258
Conc: 50.35 ng/ml



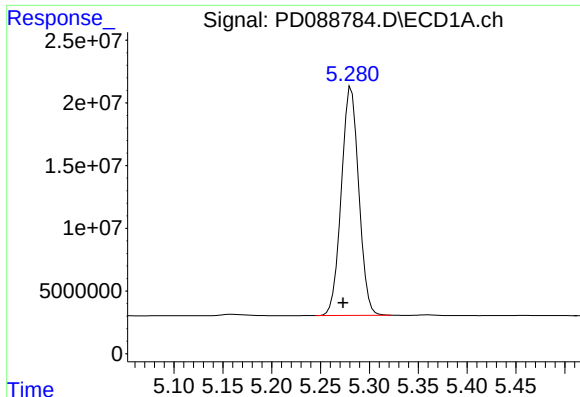
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.008 min
Response: 232863258
Conc: 52.08 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: 0.000 min
Response: 1106813206
Conc: 49.29 ng/ml



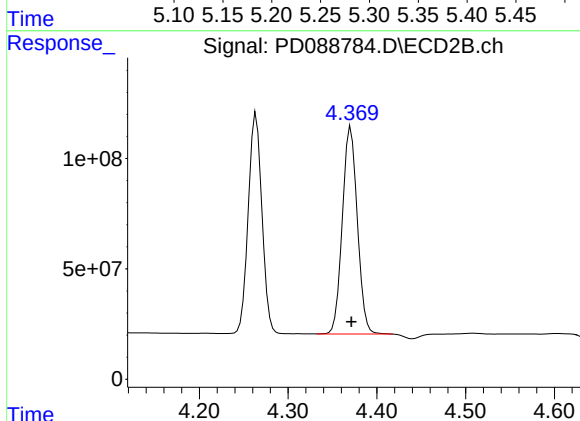
#5 Aldrin

R.T.: 5.281 min
Delta R.T.: 0.008 min
Response: 226617437
Conc: 51.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

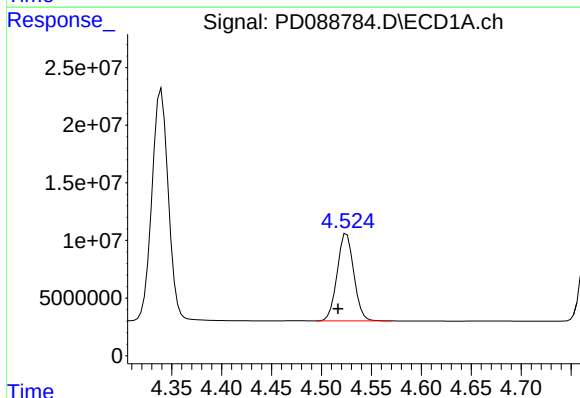
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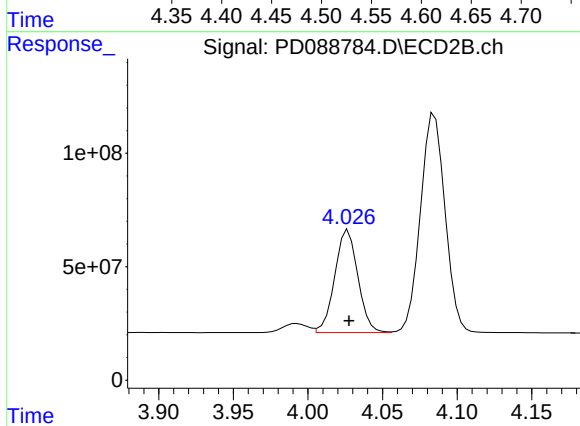
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.002 min
Response: 1103810778
Conc: 50.33 ng/ml m



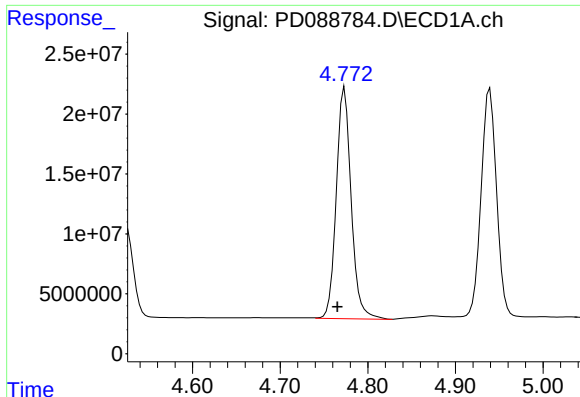
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.008 min
Response: 87888705
Conc: 48.74 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 490125207
Conc: 50.31 ng/ml



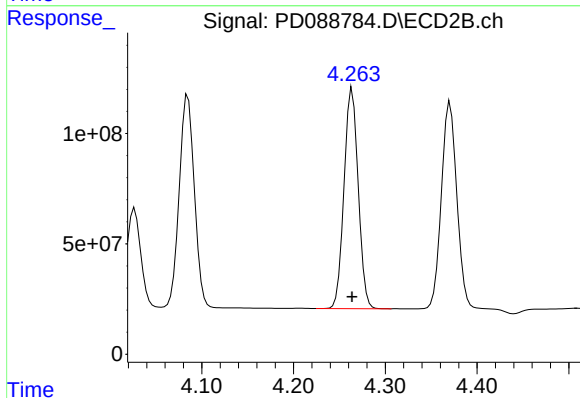
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.007 min
Response: 228244556
Conc: 54.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

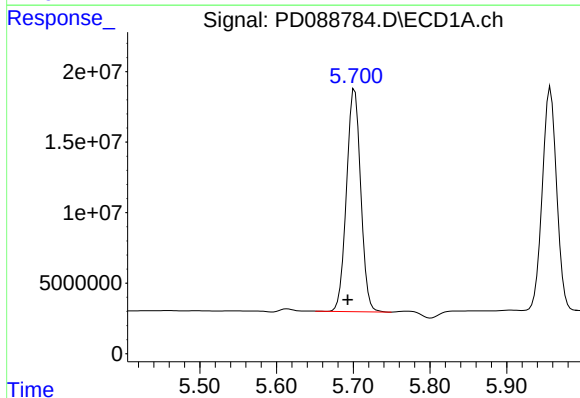
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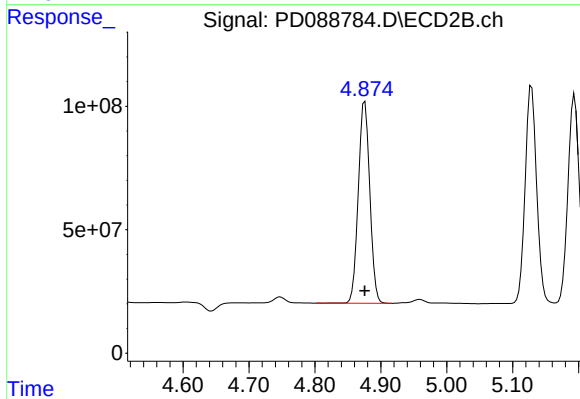
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 1069030188
Conc: 47.95 ng/ml



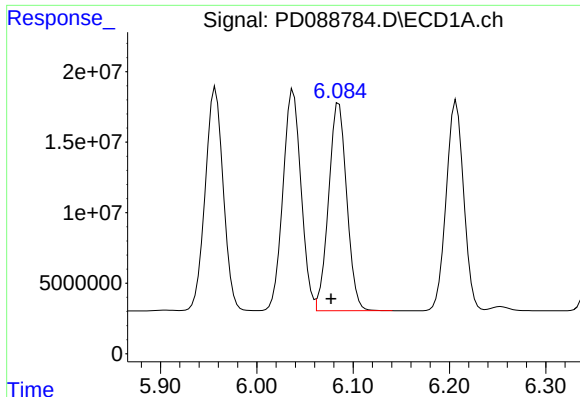
#8 Heptachlor epoxide

R.T.: 5.702 min
Delta R.T.: 0.009 min
Response: 205003212
Conc: 51.65 ng/ml



#8 Heptachlor epoxide

R.T.: 4.876 min
Delta R.T.: 0.000 min
Response: 990981811
Conc: 49.87 ng/ml



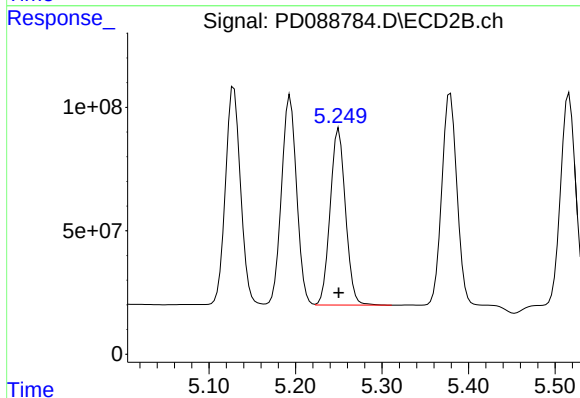
#9 Endosulfan I

R.T.: 6.085 min
Delta R.T.: 0.008 min
Response: 193653873
Conc: 51.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

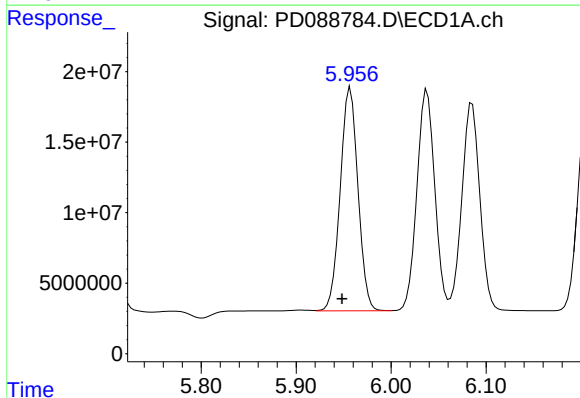
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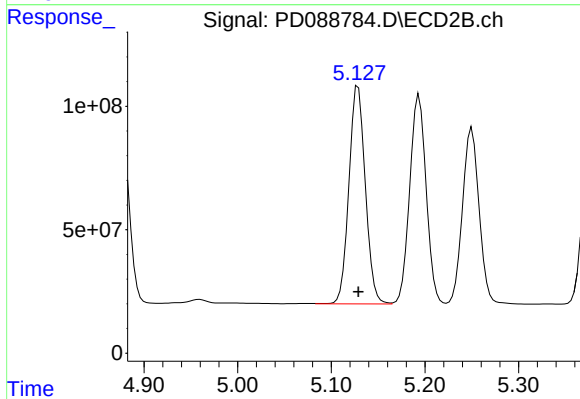
#9 Endosulfan I

R.T.: 5.250 min
Delta R.T.: 0.000 min
Response: 879351551
Conc: 46.33 ng/ml



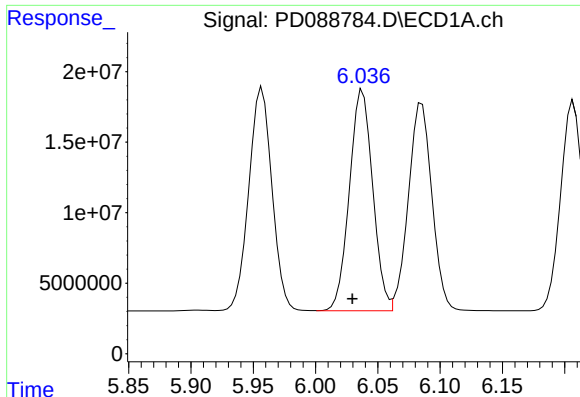
#10 gamma-Chlordane

R.T.: 5.957 min
Delta R.T.: 0.009 min
Response: 205933542
Conc: 51.63 ng/ml



#10 gamma-Chlordane

R.T.: 5.129 min
Delta R.T.: 0.000 min
Response: 1075426825
Conc: 50.41 ng/ml



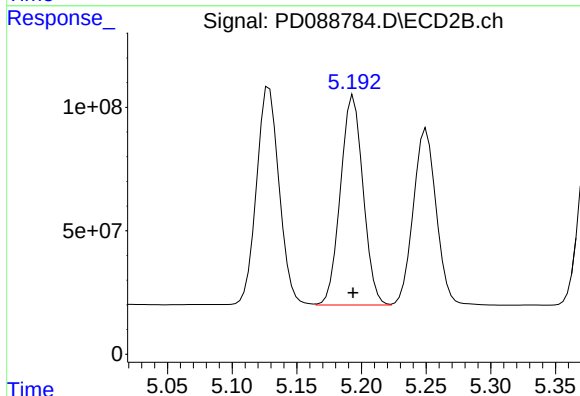
#11 alpha-Chlordane

R.T.: 6.038 min
Delta R.T.: 0.008 min
Response: 205111992
Conc: 51.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

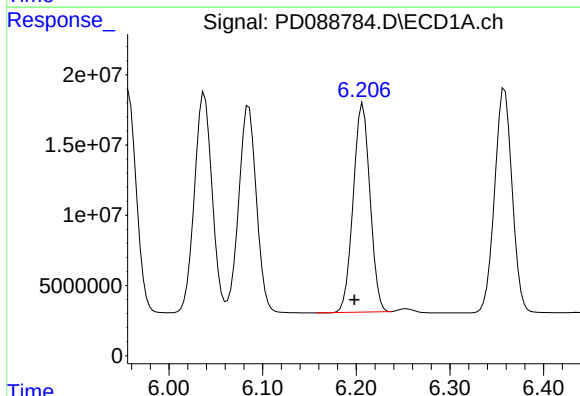
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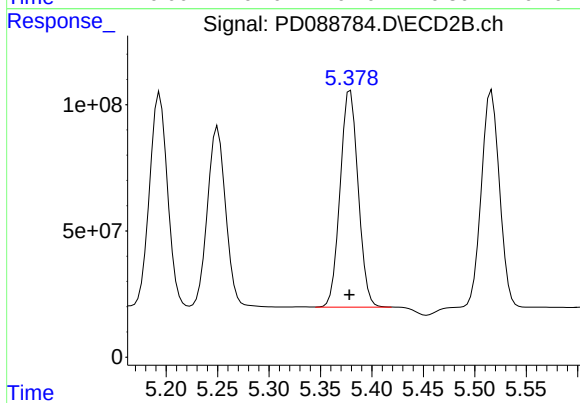
#11 alpha-Chlordane

R.T.: 5.194 min
Delta R.T.: 0.000 min
Response: 1030870939
Conc: 49.98 ng/ml



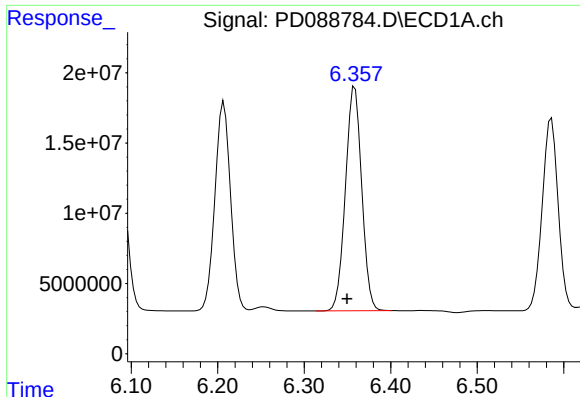
#12 4,4'-DDE

R.T.: 6.207 min
Delta R.T.: 0.009 min
Response: 185067978
Conc: 51.56 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1046976172
Conc: 50.09 ng/ml m



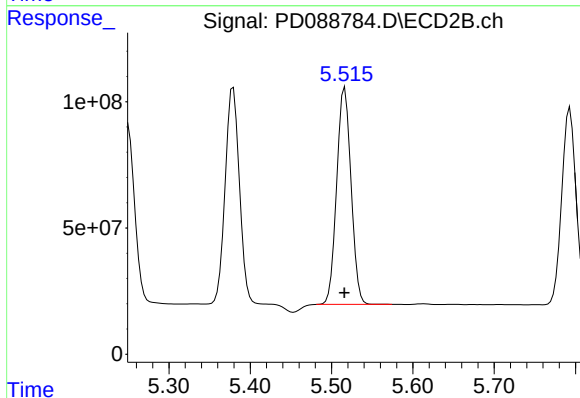
#13 Dieldrin

R.T.: 6.359 min
Delta R.T.: 0.009 min
Response: 207541220
Conc: 51.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

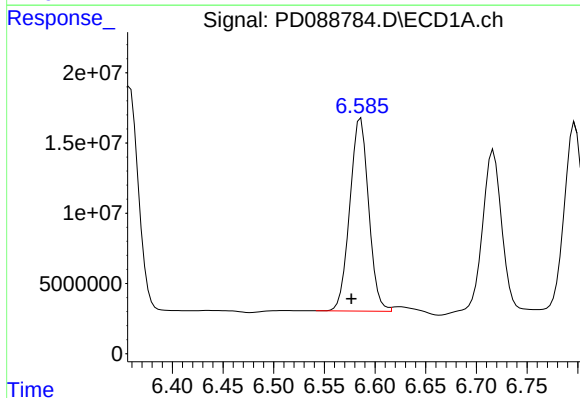
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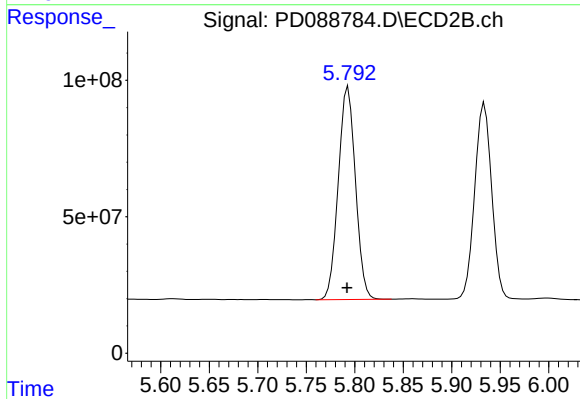
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 1053972694
Conc: 50.08 ng/ml



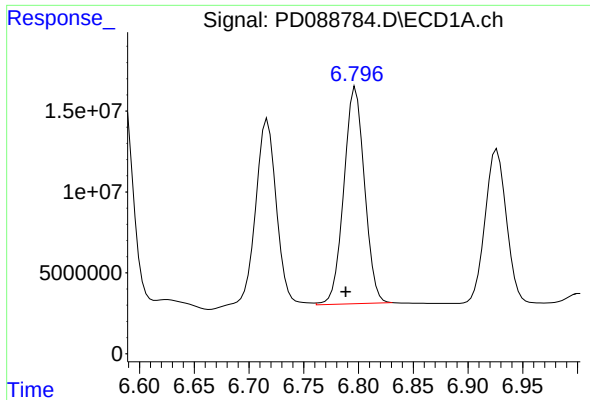
#14 Endrin

R.T.: 6.586 min
Delta R.T.: 0.009 min
Response: 177637614
Conc: 52.01 ng/ml



#14 Endrin

R.T.: 5.793 min
Delta R.T.: 0.000 min
Response: 959464876
Conc: 49.75 ng/ml



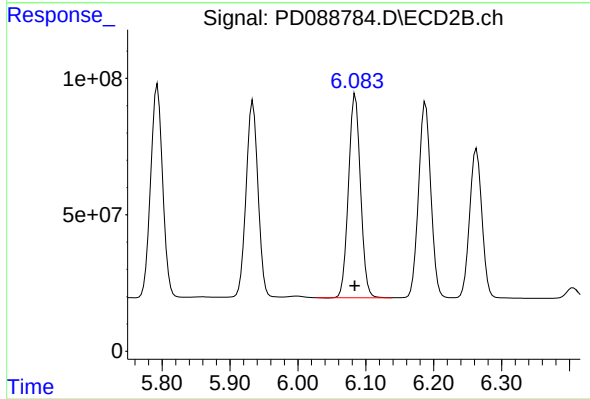
#15 Endosulfan II

R.T.: 6.797 min
Delta R.T.: 0.009 min
Response: 175817801
Conc: 51.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

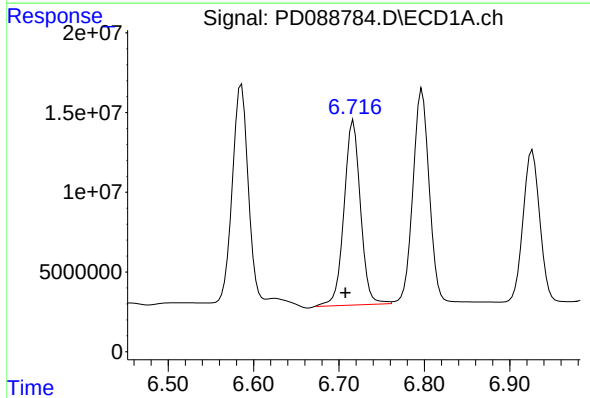
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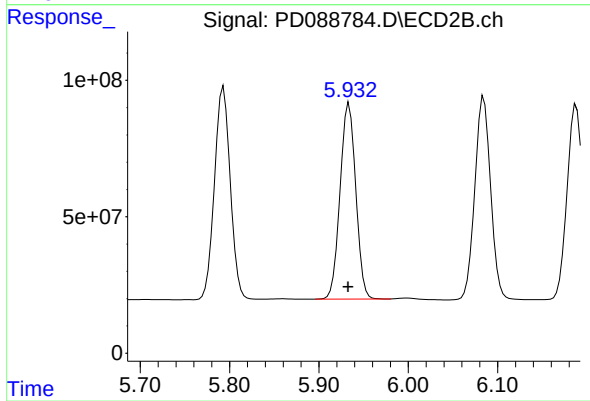
#15 Endosulfan II

R.T.: 6.085 min
Delta R.T.: 0.000 min
Response: 918187909
Conc: 50.11 ng/ml



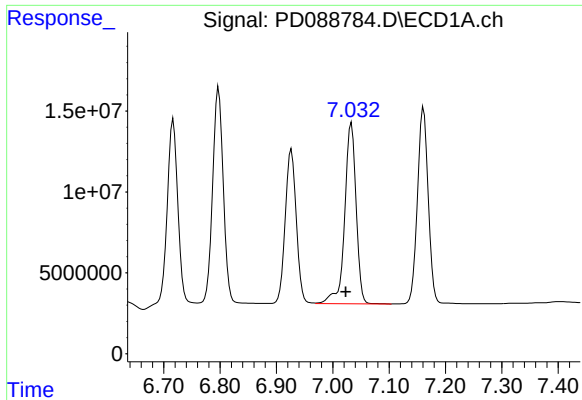
#16 4,4'-DDD

R.T.: 6.717 min
Delta R.T.: 0.009 min
Response: 155084857
Conc: 55.68 ng/ml



#16 4,4'-DDD

R.T.: 5.934 min
Delta R.T.: 0.001 min
Response: 875615638
Conc: 50.35 ng/ml



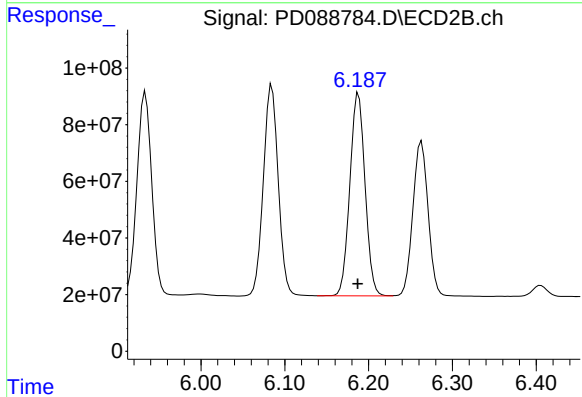
#17 4,4'-DDT

R.T.: 7.033 min
Delta R.T.: 0.010 min
Response: 157855042
Conc: 50.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

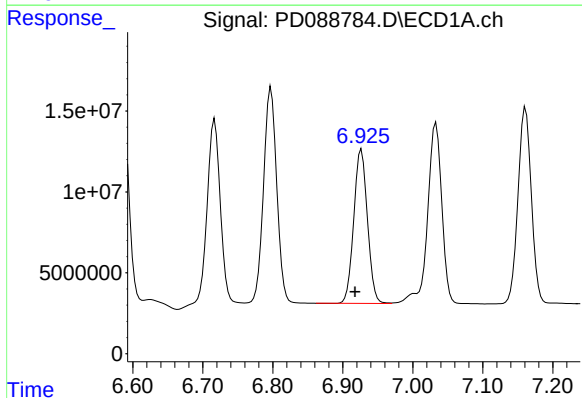
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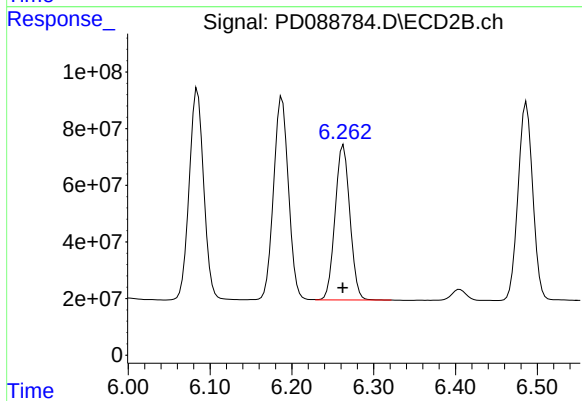
#17 4,4'-DDT

R.T.: 6.188 min
Delta R.T.: 0.001 min
Response: 904893345
Conc: 49.89 ng/ml



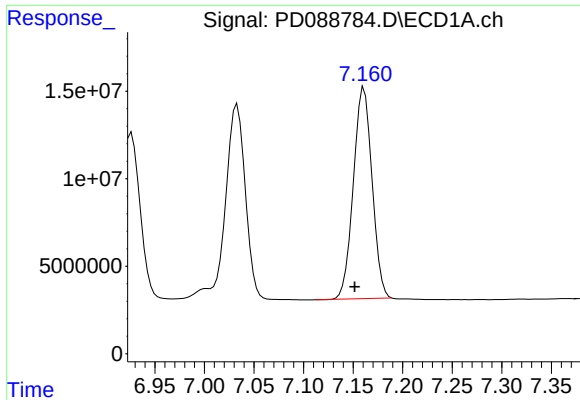
#18 Endrin aldehyde

R.T.: 6.927 min
Delta R.T.: 0.009 min
Response: 129422214
Conc: 50.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.263 min
Delta R.T.: 0.001 min
Response: 689701662
Conc: 49.52 ng/ml



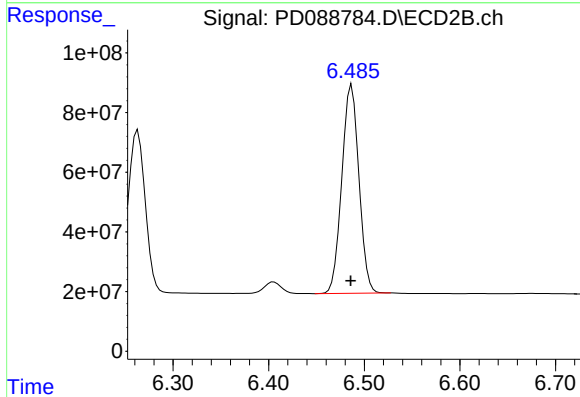
#19 Endosulfan Sulfate

R.T.: 7.161 min
Delta R.T.: 0.009 min
Response: 158561778
Conc: 49.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

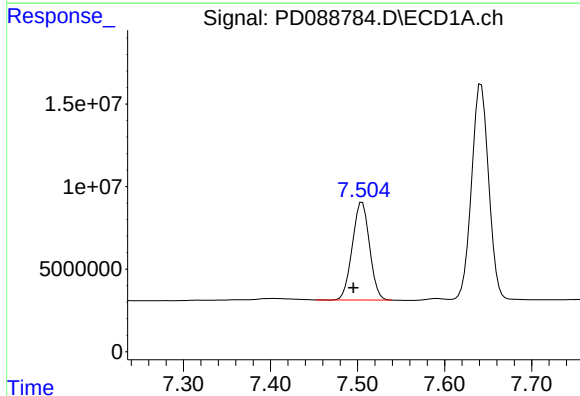
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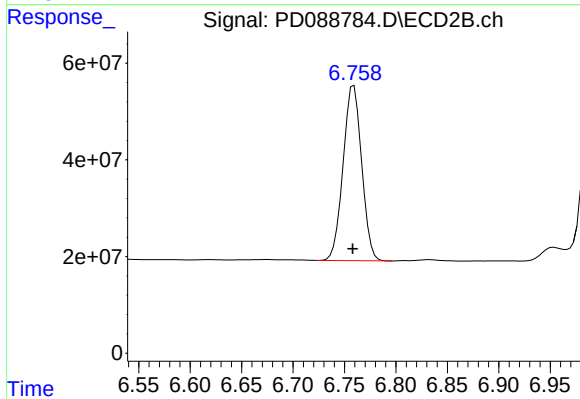
#19 Endosulfan Sulfate

R.T.: 6.487 min
Delta R.T.: 0.001 min
Response: 871587557
Conc: 49.09 ng/ml



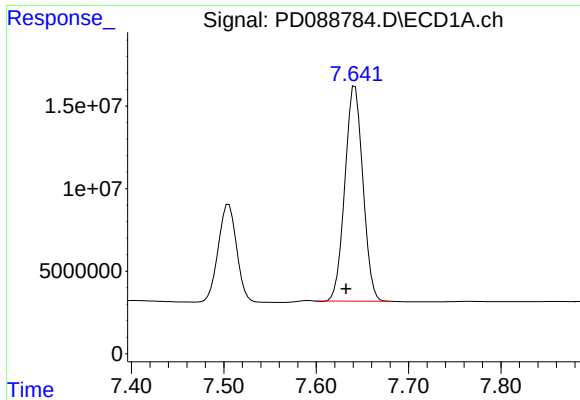
#20 Methoxychlor

R.T.: 7.505 min
Delta R.T.: 0.010 min
Response: 81581372
Conc: 48.83 ng/ml



#20 Methoxychlor

R.T.: 6.759 min
Delta R.T.: 0.001 min
Response: 454576603
Conc: 47.48 ng/ml



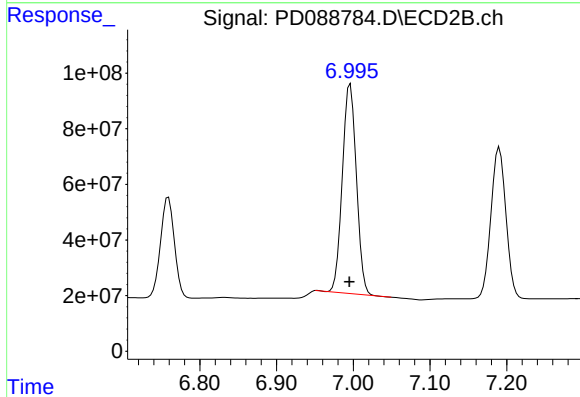
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: 0.010 min
Response: 176552381
Conc: 51.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

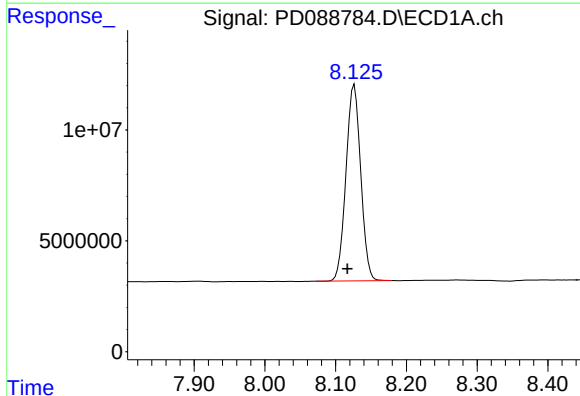
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Reviewed By :Abdul Mirza 06/02/2025
Supervised By :mohammad ahmed 06/03/2025



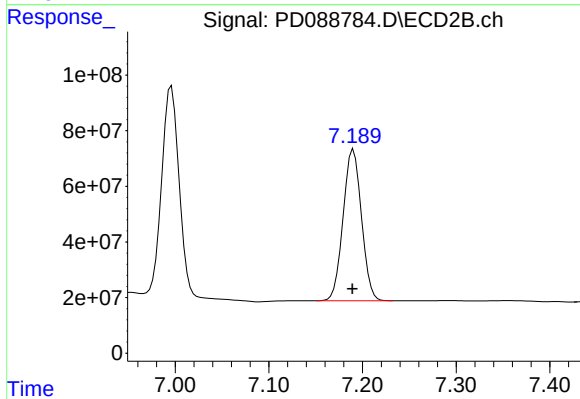
#21 Endrin ketone

R.T.: 6.996 min
Delta R.T.: 0.001 min
Response: 959233409
Conc: 49.58 ng/ml



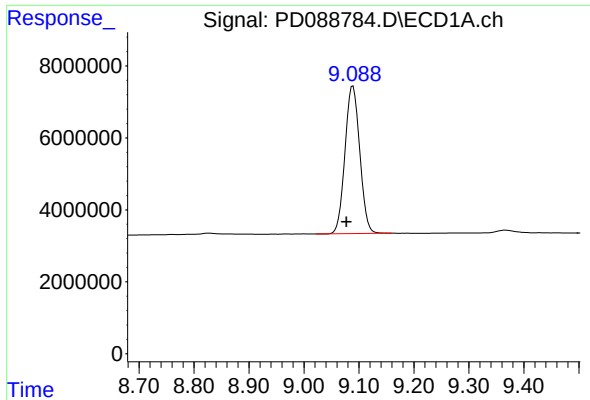
#22 Mirex

R.T.: 8.126 min
Delta R.T.: 0.010 min
Response: 128279949
Conc: 49.37 ng/ml



#22 Mirex

R.T.: 7.190 min
Delta R.T.: 0.001 min
Response: 743029542
Conc: 48.88 ng/ml



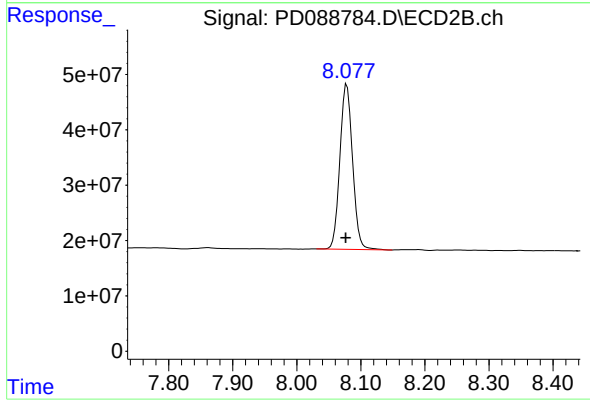
#28 Decachlorobiphenyl

R.T.: 9.089 min
Delta R.T.: 0.012 min
Response: 76565092
Conc: 22.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168220BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/02/2025
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#28 Decachlorobiphenyl

R.T.: 8.078 min
Delta R.T.: 0.002 min
Response: 409280960
Conc: 22.42 ng/ml