

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111225\
 Data File : PD091088.D
 Signal(s) : ECD2B.ch
 Acq On : 12 Nov 25 10:38 am
 Operator : AR\AJ
 Sample : PB170485BSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB1701485BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/13/2025
 Supervised By :Yogesh Patel 11/13/2025

Integration File: autoint1.e
 Quant Time: Nov 12 10:54:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 Qlast Update : Fri Oct 17 17:43:28 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...	3.544	2.874	63618233	696.3E6	20.429	23.385
28)	SA Decachlor...	9.065	8.059	98325792	788.3E6	21.019	26.022
Target Compounds							
2)	A alpha-BHC	3.993	3.385	345.4E6	2758.2E6	48.131	53.980
3)	MA gamma-BHC...	4.324	3.722	323.9E6	2538.3E6	47.644	53.722
4)	MA Heptachlor	4.922	4.073	323.1E6	2483.6E6	57.804	55.683
5)	MB Aldrin	5.263	4.359	314.8E6	2522.0E6	48.086	54.449
6)	B beta-BHC	4.512	4.018	121.9E6	1030.2E6	46.540	51.953
7)	B delta-BHC	4.760	4.254	326.9E6	2558.8E6	48.339	53.624
8)	B Heptachlo...	5.684	4.862	297.9E6	2226.3E6	51.459	52.213
9)	A Endosulfan I	6.068	5.236	266.9E6	1713.2E6	48.213	43.494
10)	B gamma-Chl...	5.939	5.115	283.5E6	2412.9E6	47.803	53.681
11)	B alpha-Chl...	6.020	5.180	284.1E6	2304.3E6	45.973	53.416
12)	B 4,4'-DDE	6.190	5.363	246.3E6	2369.9E6	46.246	54.059m
13)	MA Dieldrin	6.340	5.502	283.9E6	2416.3E6	48.693	54.687
14)	MA Endrin	6.568	5.780	237.2E6	2593.5E6	47.883	64.047 #
15)	B Endosulfa...	6.779	6.069	239.7E6	2065.5E6	47.932m	54.999m
16)	A 4,4'-DDD	6.698	5.919	210.8E6	2088.7E6	51.988m	57.323
17)	MA 4,4'-DDT	7.016	6.173	207.7E6	1940.0E6	50.533	55.314
18)	B Endrin al...	6.910	6.249	190.1E6	1564.2E6	51.907	56.486
19)	B Endosulfa...	7.145	6.473	223.3E6	1974.1E6	48.146	55.072
20)	A Methoxychlor	7.487	6.743	121.2E6	959.8E6	57.011m	55.072
21)	B Endrin ke...	7.626	6.980	244.9E6	2634.0E6	50.409	69.833m#
22)	Mirex	8.108	7.174	152.3E6	1397.0E6	47.582	54.379

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111225\
Data File : PD091088.D
Signal(s) : ECD2B.ch
Acq On : 12 Nov 25 10:38 am
Operator : AR\AJ
Sample : PB170485BSD
Misc :
ALS Vial : 23 Sample Multiplier: 1

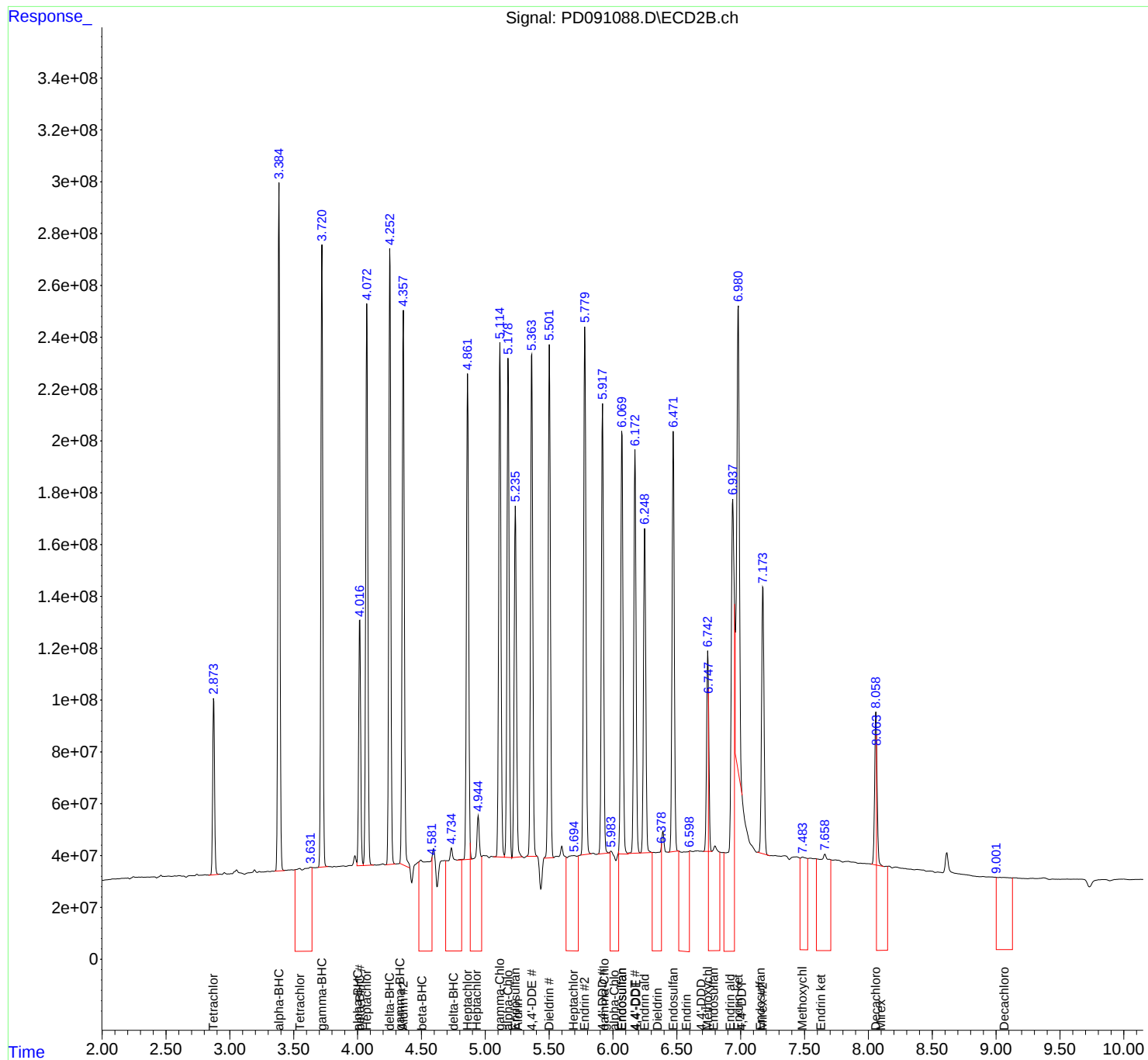
Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

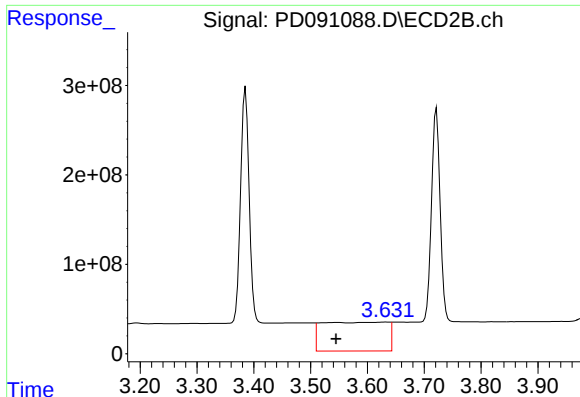
Manual Integrations
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Quant Time: Nov 12 10:54:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 63618233
Conc: 20.43 ng/ml

Instrument :

ECD_D

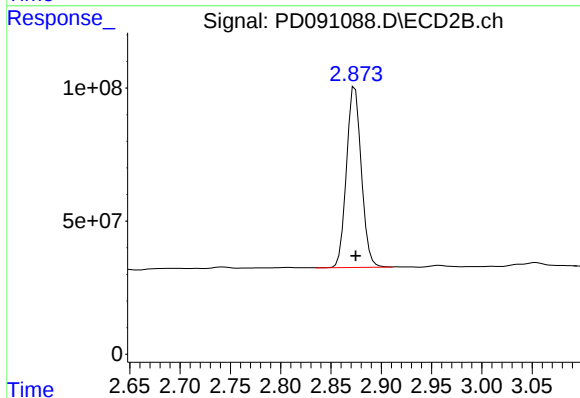
ClientSampleId :

PB1701485BSD

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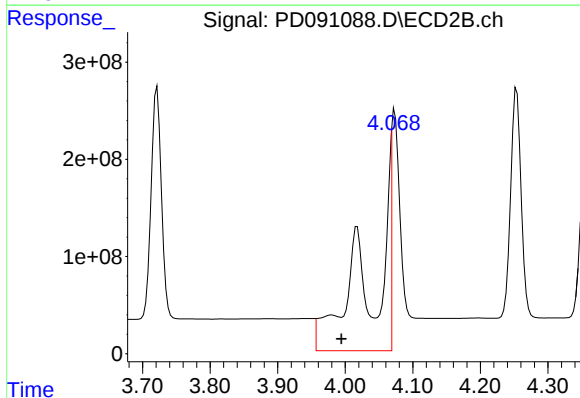
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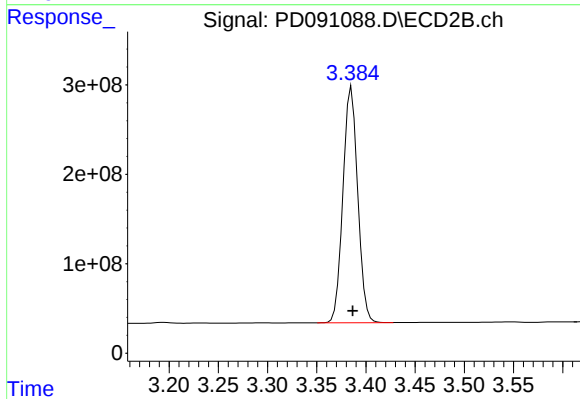
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 696335622
Conc: 23.38 ng/ml



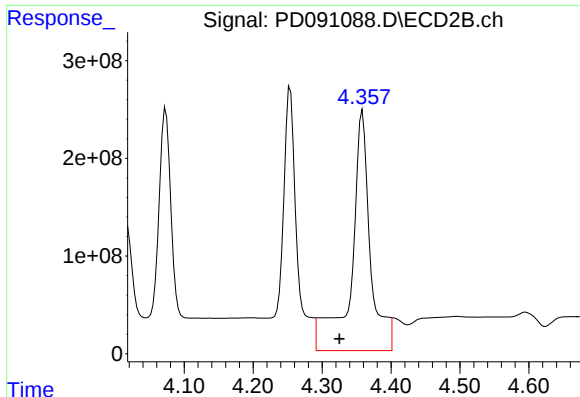
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 345441885
Conc: 48.13 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2758169282
Conc: 53.98 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 323920166
Conc: 47.64 ng/ml

Instrument :

ECD_D

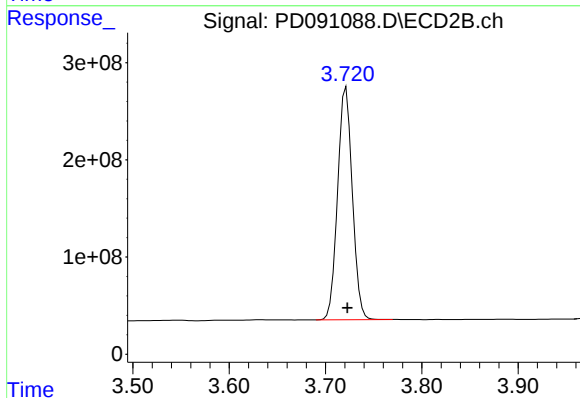
ClientSampleId :

PB1701485BSD

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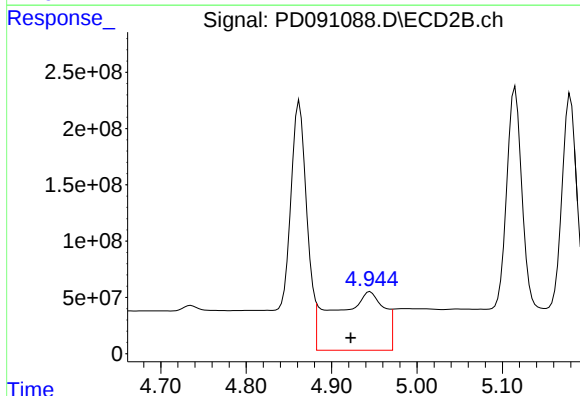
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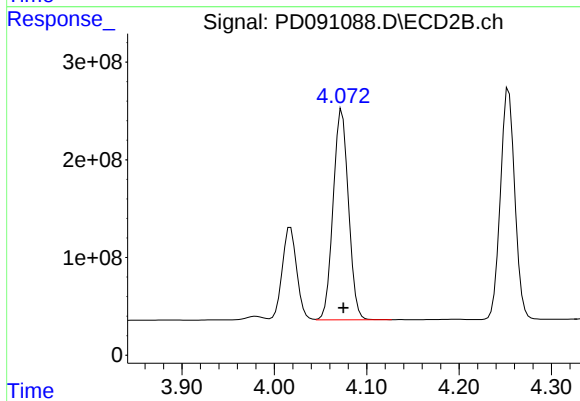
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 2538287169
Conc: 53.72 ng/ml



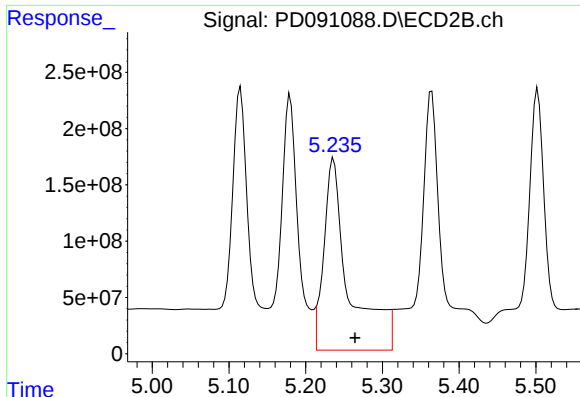
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 323098724
Conc: 57.80 ng/ml



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2483624269
Conc: 55.68 ng/ml



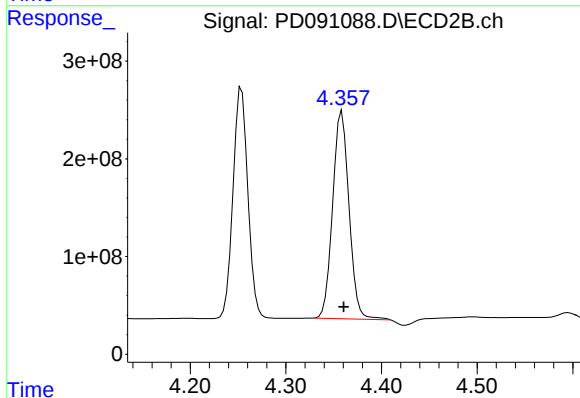
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 314830739
Conc: 48.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

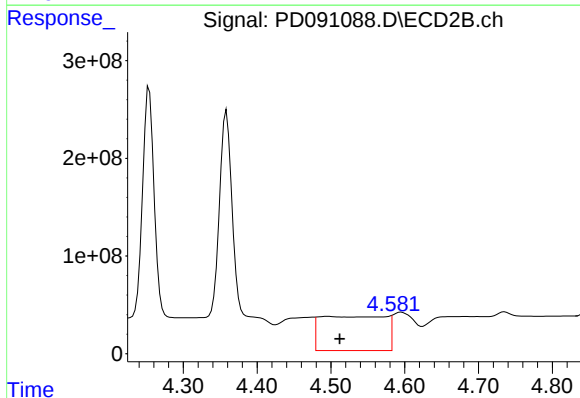
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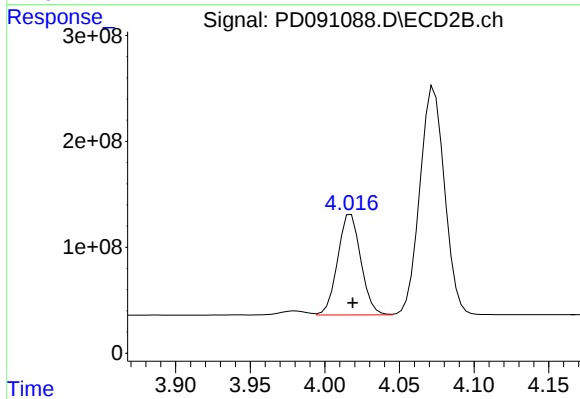
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2522027221
Conc: 54.45 ng/ml



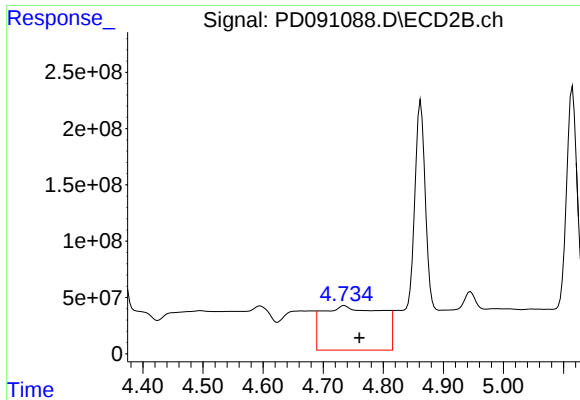
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 121917151
Conc: 46.54 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 1030198708
Conc: 51.95 ng/ml



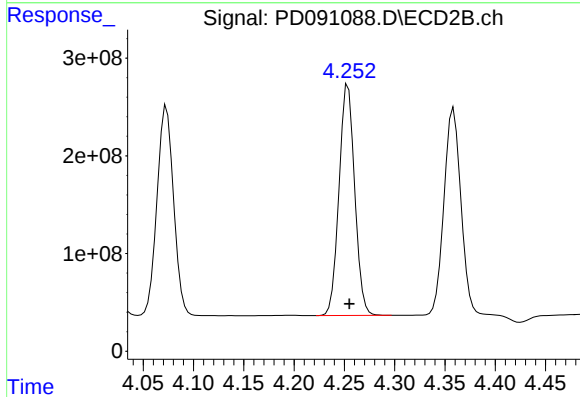
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 326856472
Conc: 48.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

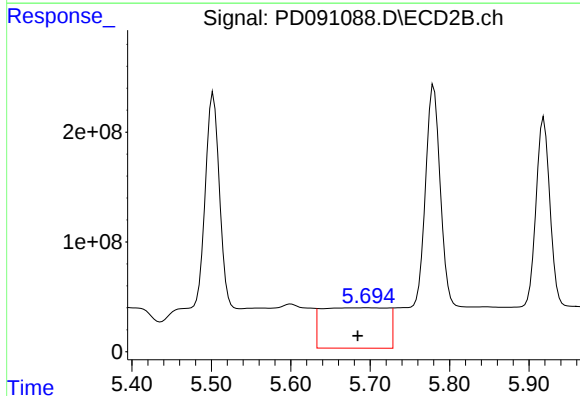
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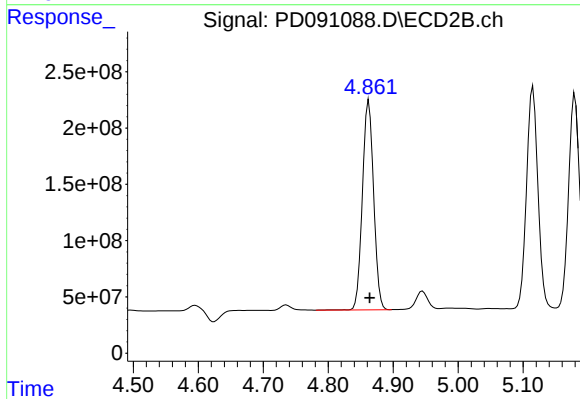
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2558772566
Conc: 53.62 ng/ml



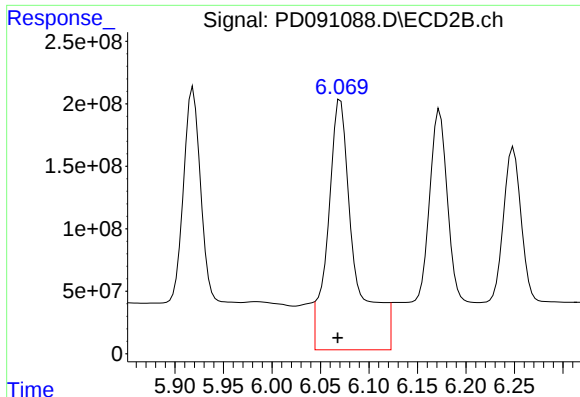
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 297897653
Conc: 51.46 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2226322836
Conc: 52.21 ng/ml



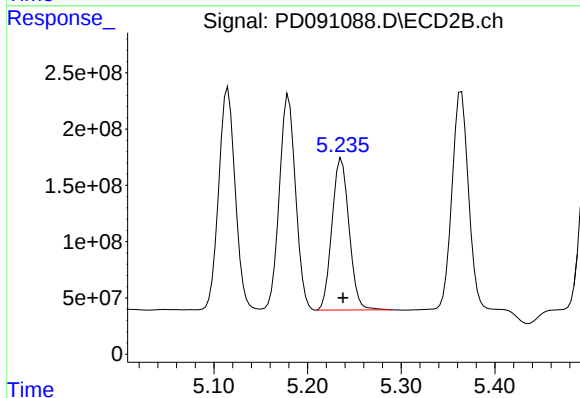
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 266938815
Conc: 48.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

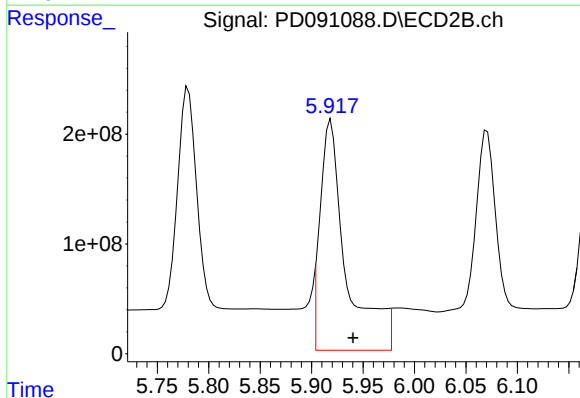
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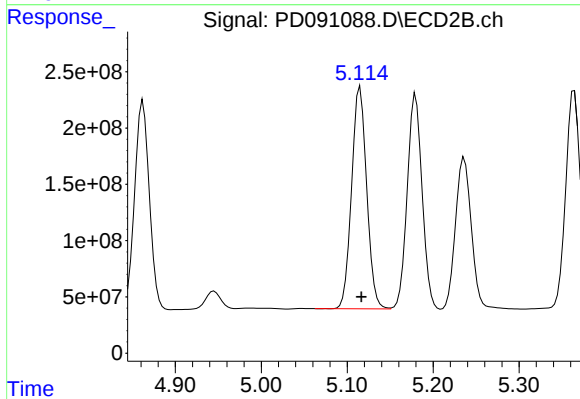
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1713249097
Conc: 43.49 ng/ml



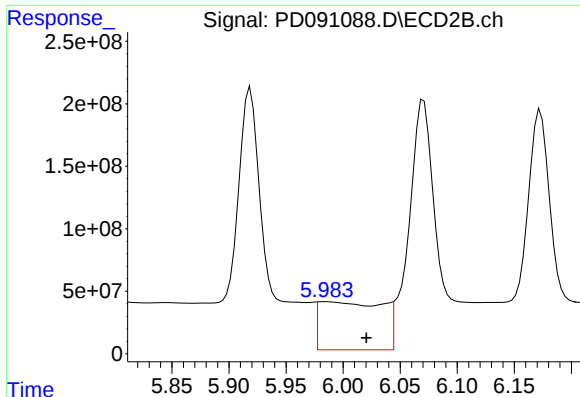
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: 0.000 min
Response: 283527583
Conc: 47.80 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2412921408
Conc: 53.68 ng/ml



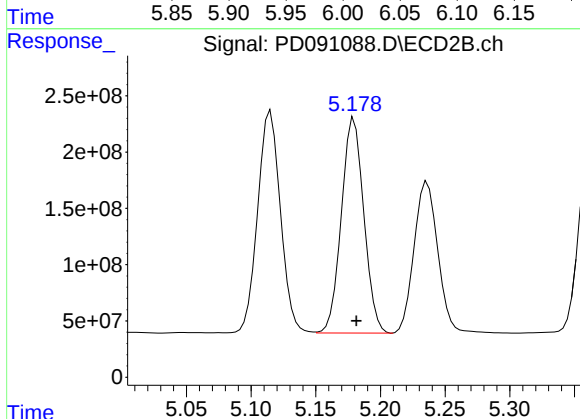
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 284127933
Conc: 45.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

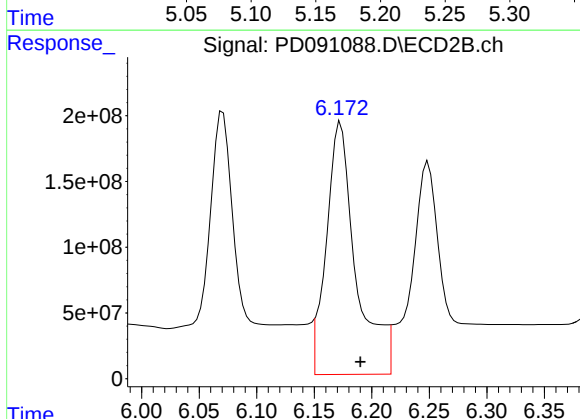
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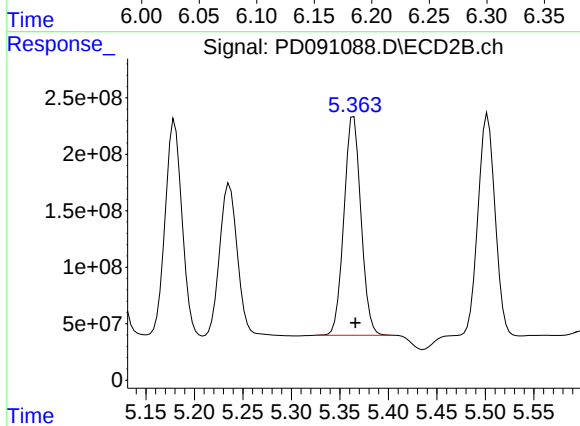
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 2304255140
Conc: 53.42 ng/ml



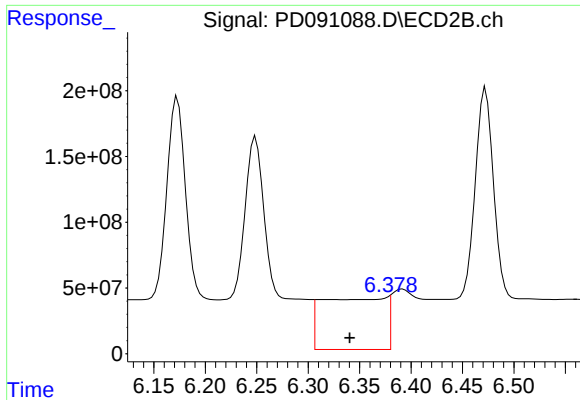
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 246333308
Conc: 46.25 ng/ml



#12 4,4'-DDE

R.T.: 5.363 min
Delta R.T.: -0.003 min
Response: 2369853365
Conc: 54.06 ng/ml m



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 283945263
Conc: 48.69 ng/ml

Instrument :

ECD_D

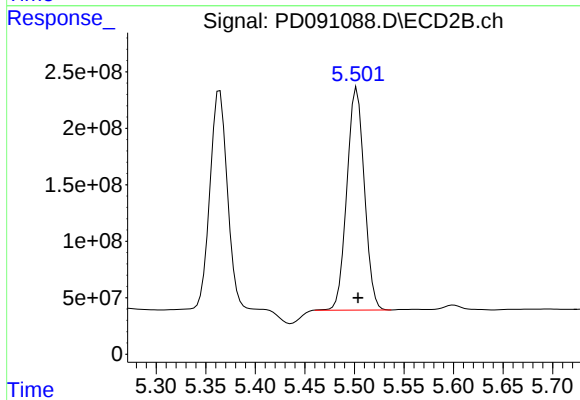
ClientSampleId :

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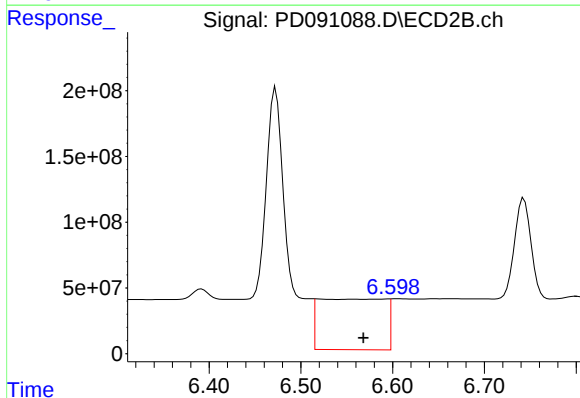
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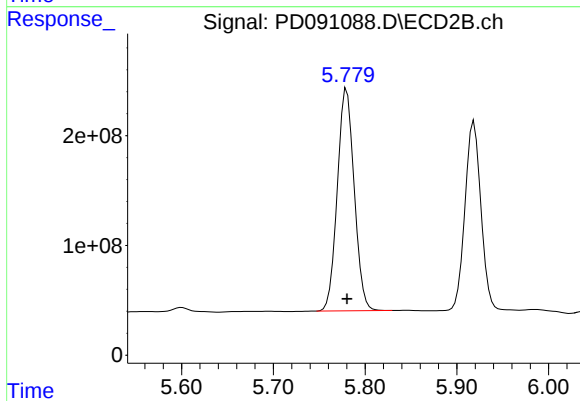
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.001 min
Response: 2416271344
Conc: 54.69 ng/ml



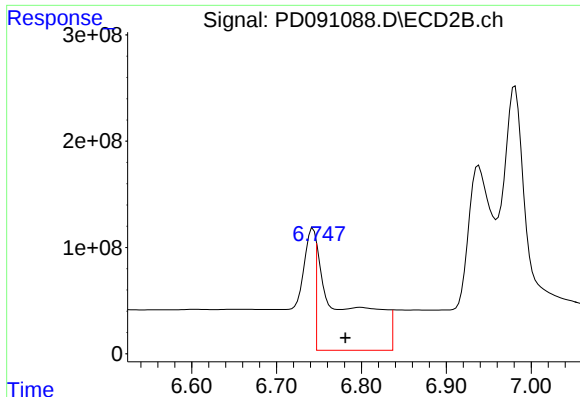
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 237196388
Conc: 47.88 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2593518454
Conc: 64.05 ng/ml



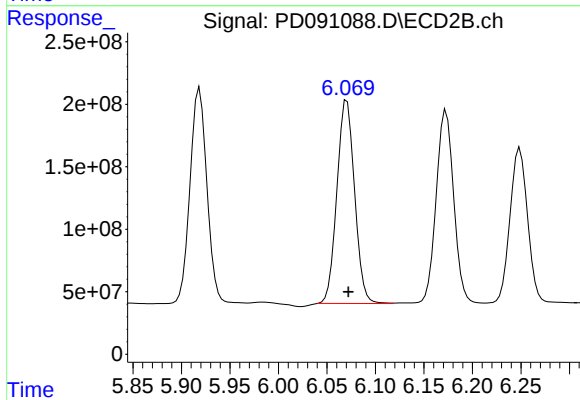
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.002 min
Response: 239656949
Conc: 47.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

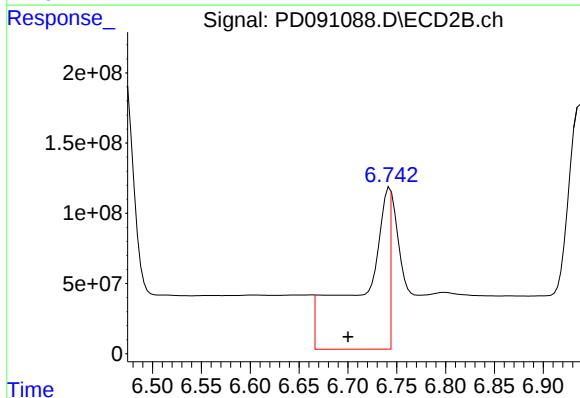
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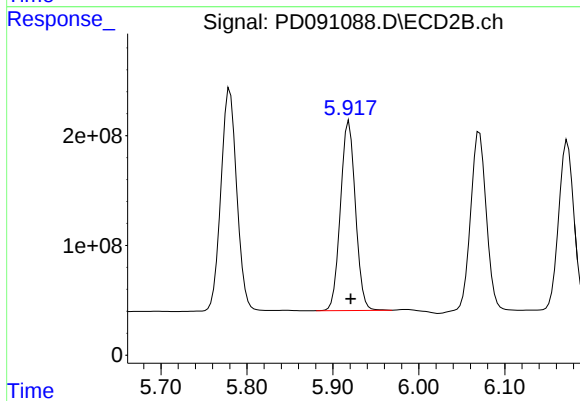
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 2065527168
Conc: 55.00 ng/ml m



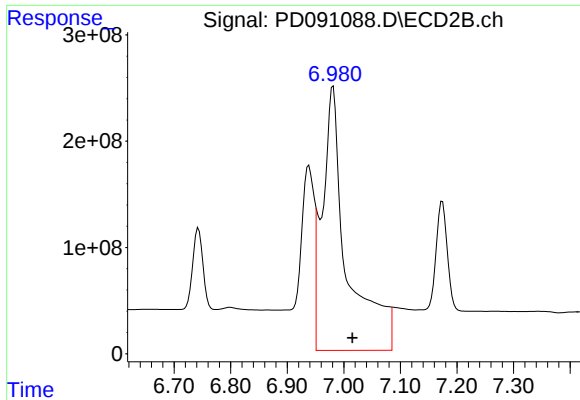
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 210768933
Conc: 51.99 ng/ml m



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 2088740991
Conc: 57.32 ng/ml



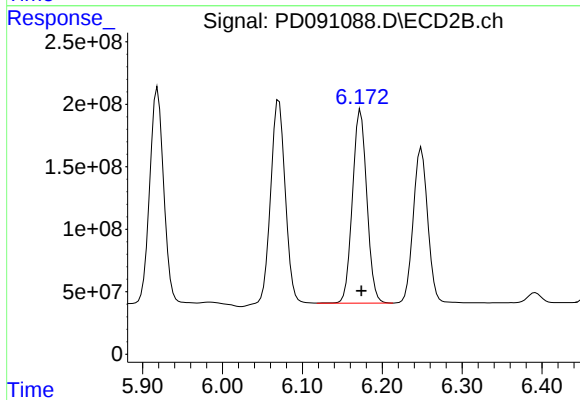
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 207715812
Conc: 50.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
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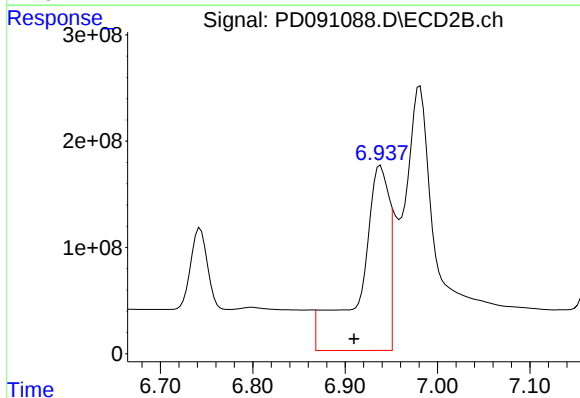
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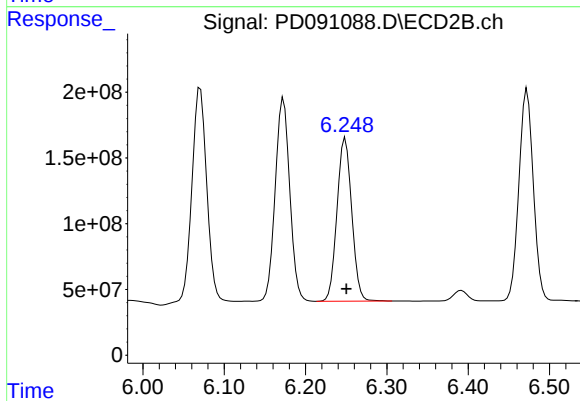
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.001 min
Response: 1940021727
Conc: 55.31 ng/ml



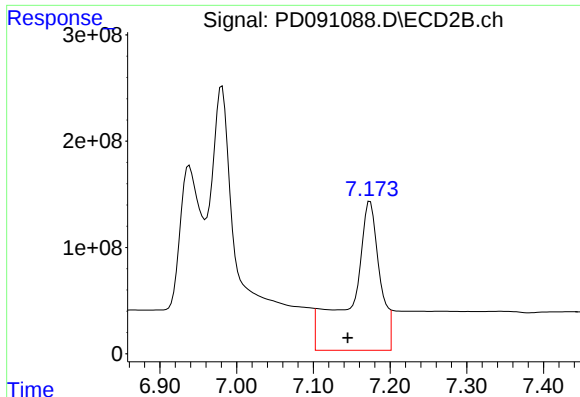
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 190120270
Conc: 51.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 1564245524
Conc: 56.49 ng/ml



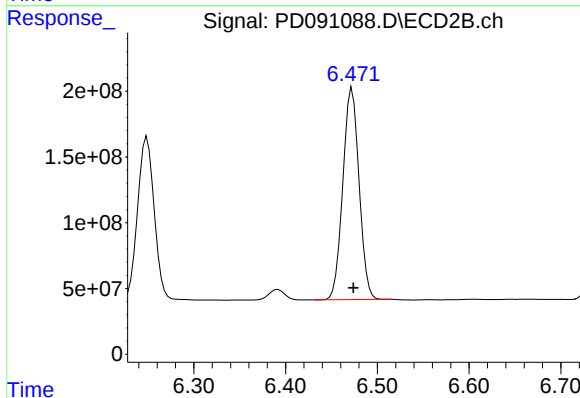
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 223309782
Conc: 48.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

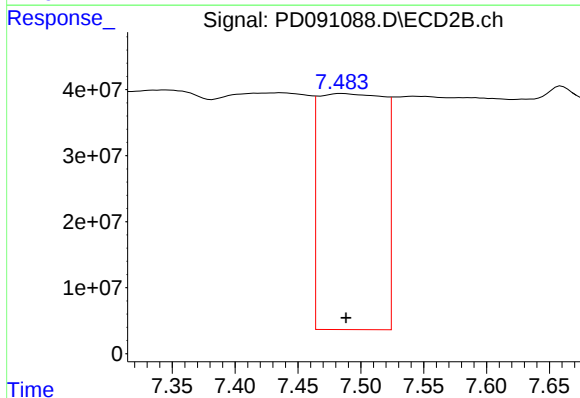
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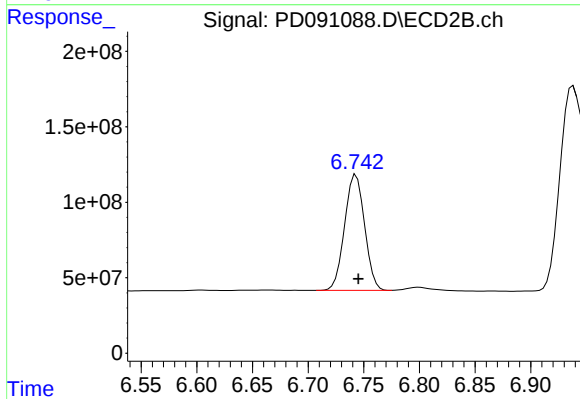
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.001 min
Response: 1974063591
Conc: 55.07 ng/ml



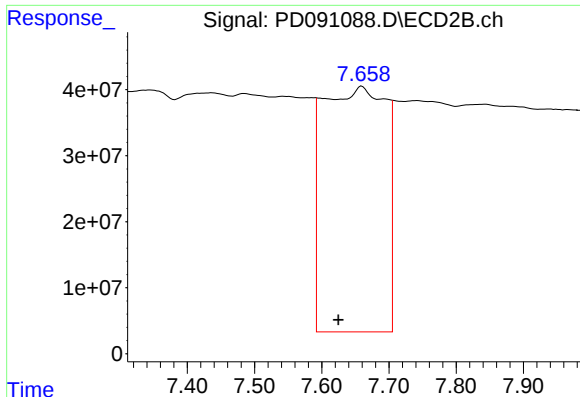
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 121182686
Conc: 57.01 ng/ml m



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 959790227
Conc: 55.07 ng/ml



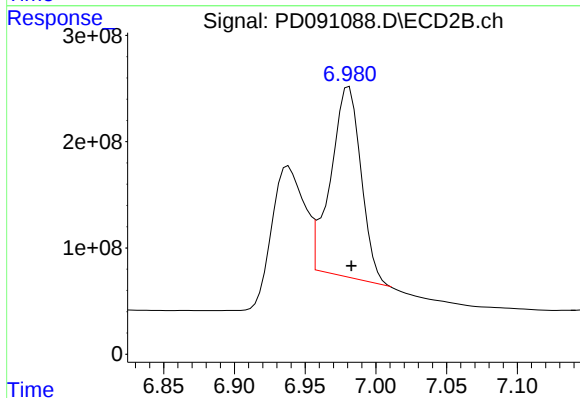
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 244927510
Conc: 50.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

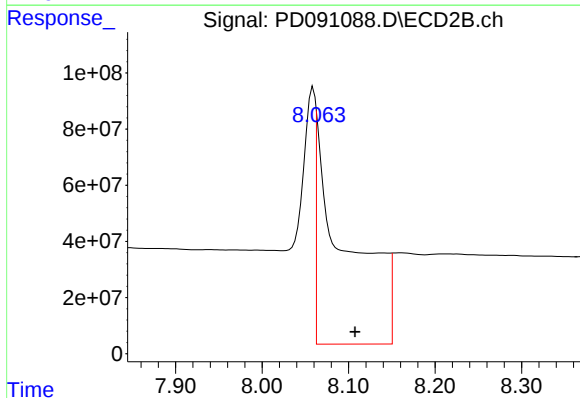
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Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025



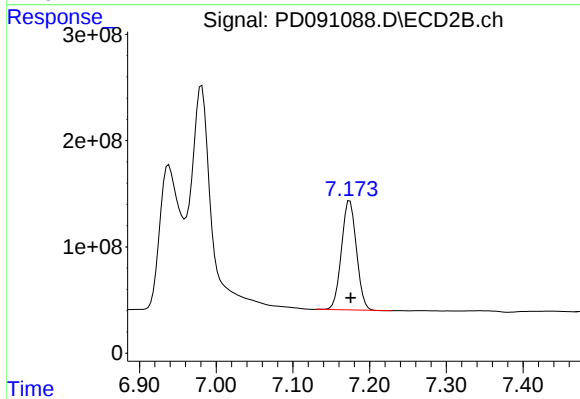
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 2633951730
Conc: 69.83 ng/ml m



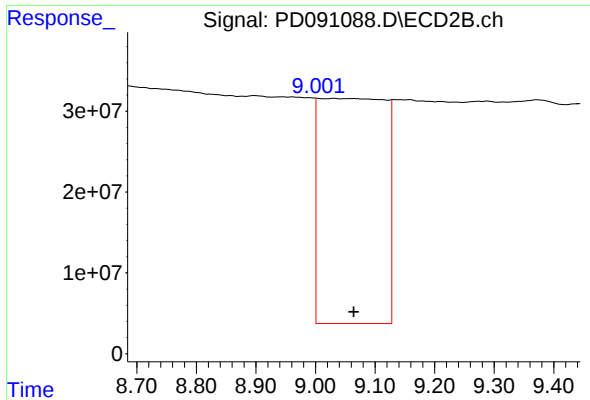
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 152302950
Conc: 47.58 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.001 min
Response: 1397037259
Conc: 54.38 ng/ml



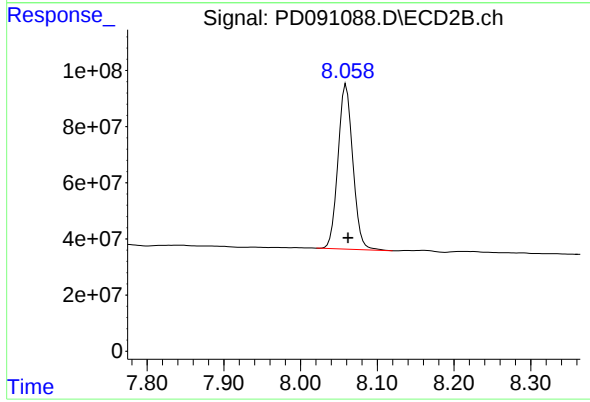
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: 0.001 min
Response: 98325792
Conc: 21.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB1701485BSD

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 11/13/2025
Supervised By :Yogesh Patel 11/13/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 788254189
Conc: 26.02 ng/ml