

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071625\
 Data File : PD089498.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 12:59
 Operator : AR\AJ
 Sample : PB168874BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168874BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/17/2025
 Supervised By :mohammad ahmed 07/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 17 01:42:19 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.550	2.879	47033928	356.9E6	16.485	21.049 #
28)	SA Decachlor...	9.072	8.069	71584327	399.1E6	18.226	20.187
Target Compounds							
2)	A alpha-BHC	3.999	3.391	307.5E6	1509.4E6	52.749	56.328
3)	MA gamma-BHC...	4.330	3.726	291.4E6	1383.5E6	52.211	55.882m
4)	MA Heptachlor	4.929	4.080	278.2E6	1317.8E6	51.032	52.633
5)	MB Aldrin	5.271	4.366	281.1E6	1358.2E6	52.902	56.082
6)	B beta-BHC	4.515	4.023	110.7E6	587.2E6	50.155	54.645
7)	B delta-BHC	4.764	4.260	285.5E6	1383.9E6	55.629	55.637
8)	B Heptachlo...	5.690	4.870	250.2E6	1223.8E6	51.856	55.887
9)	A Endosulfan I	6.074	5.244	237.0E6	1168.4E6	52.578	56.061
10)	B gamma-Chl...	5.946	5.123	254.8E6	1318.9E6	53.208	55.132
11)	B alpha-Chl...	6.027	5.187	253.4E6	1259.8E6	52.366	55.020
12)	B 4,4'-DDE	6.195	5.372	229.7E6	1268.9E6	52.671	55.372
13)	MA Dieldrin	6.346	5.509	253.7E6	1282.9E6	52.889	55.277
14)	MA Endrin	6.574	5.786	185.2E6	1003.9E6	44.887	46.231
15)	B Endosulfa...	6.785	6.077	213.4E6	1110.8E6	52.871	54.998
16)	A 4,4'-DDD	6.705	5.926	189.8E6	1103.9E6	55.302	57.709
17)	MA 4,4'-DDT	7.020	6.180	164.6E6	972.4E6	43.448	47.953
18)	B Endrin al...	6.914	6.256	159.8E6	837.8E6	52.154	54.719
19)	B Endosulfa...	7.149	6.479	199.6E6	1075.0E6	52.004	54.786
20)	A Methoxychlor	7.492	6.751	85140390	478.7E6	42.136	44.456
21)	B Endrin ke...	7.630	6.988	223.4E6	1250.2E6	54.839	57.873
22)	Mirex	8.112	7.182	138.8E6	806.3E6	45.641	48.342

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

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Acq On : 16 Jul 2025 12:59
Operator : AR\AJ
Sample : PB168874BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

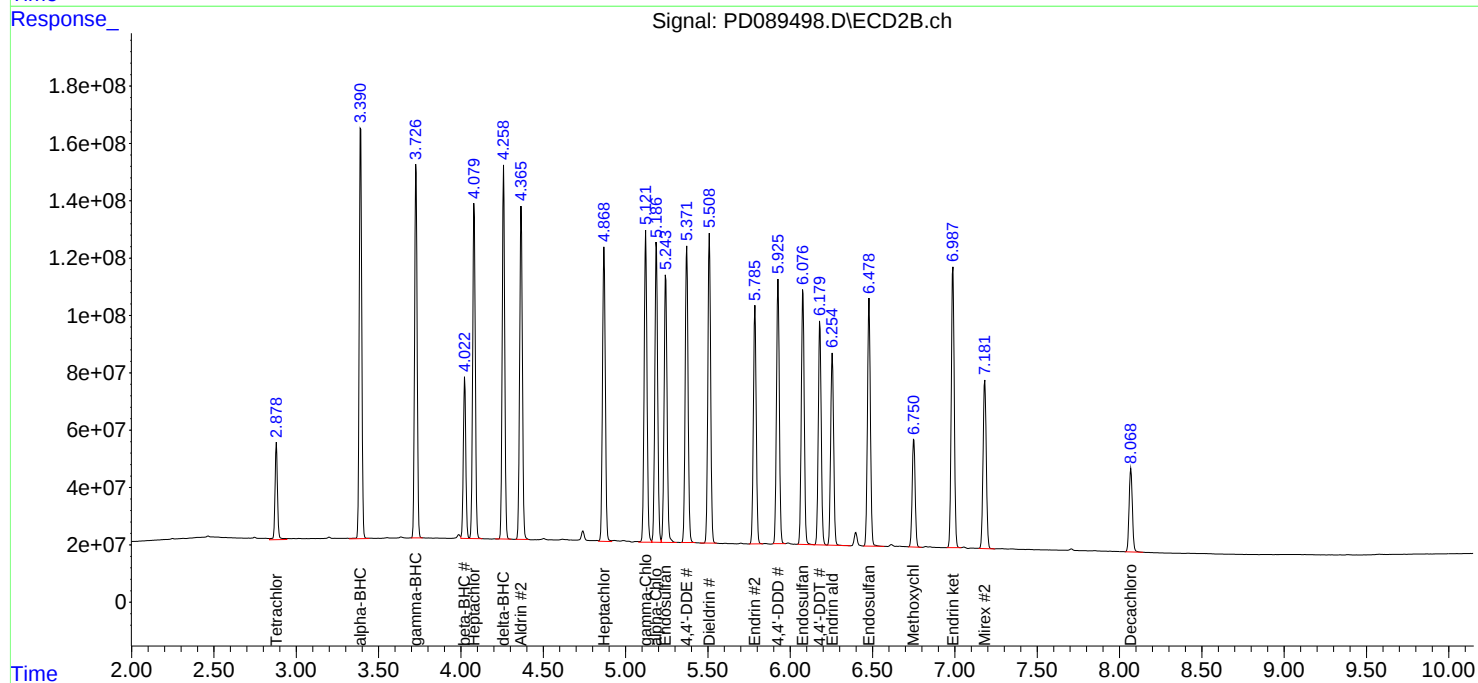
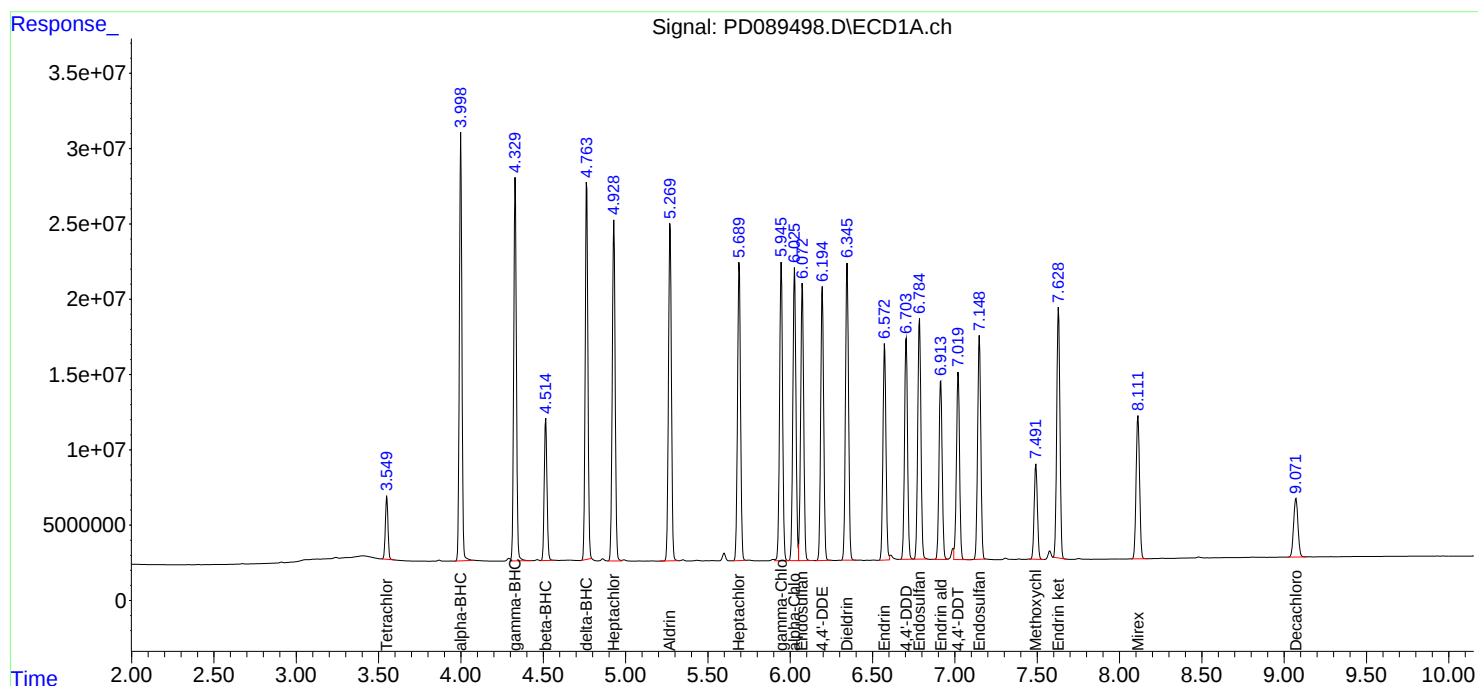
Instrument :
ECD_D
ClientSampleId :
PB168874BS

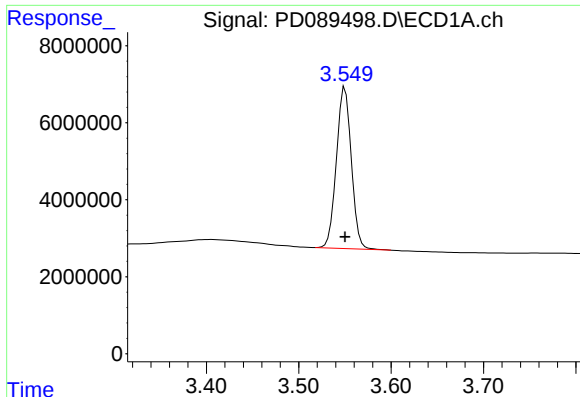
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 17 01:42:19 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
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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.: 3.550 min
Delta R.T.: 0.000 min
Response: 47033928
Conc: 16.49 ng/ml

Instrument :

ECD_D

ClientSampleId :

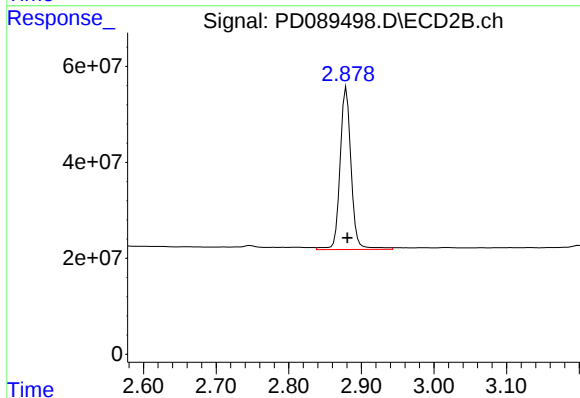
PB168874BS

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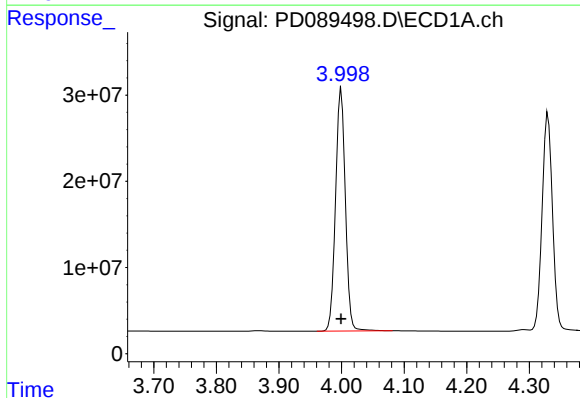
Reviewed By :Abdul Mirza 07/17/2025

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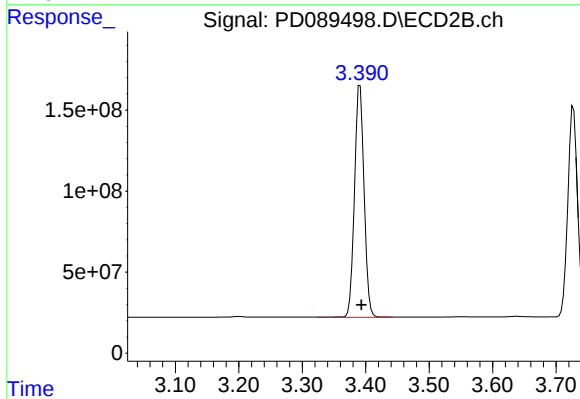
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.001 min
Response: 356853644
Conc: 21.05 ng/ml



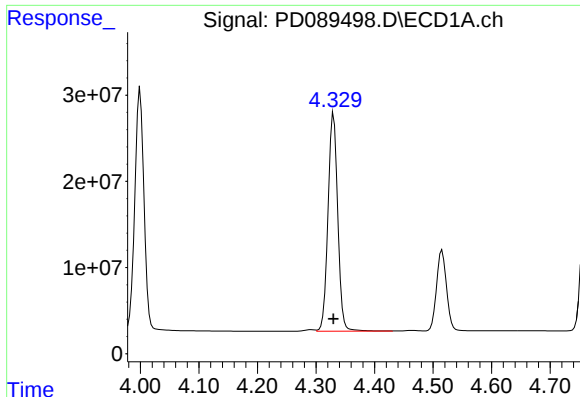
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 307478950
Conc: 52.75 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1509438704
Conc: 56.33 ng/ml



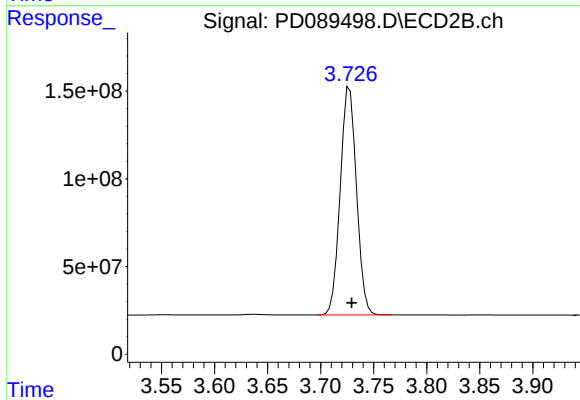
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 291428013
Conc: 52.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

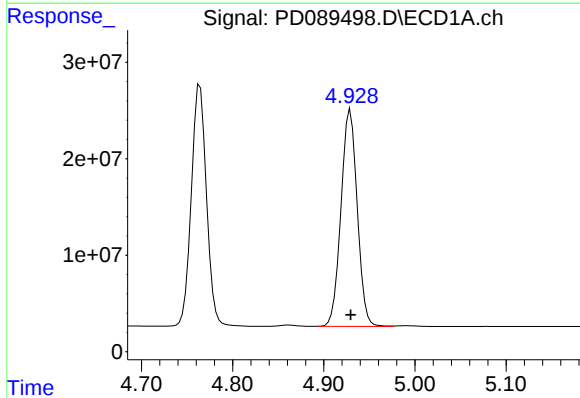
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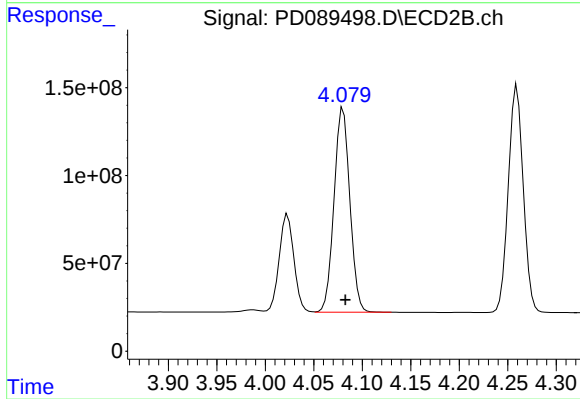
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.003 min
Response: 1383455400
Conc: 55.88 ng/ml m



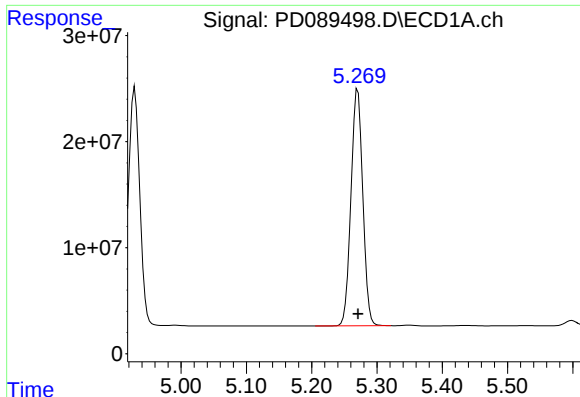
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 278222175
Conc: 51.03 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 1317839732
Conc: 52.63 ng/ml



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 281065080
Conc: 52.90 ng/ml

Instrument :

ECD_D

ClientSampleId :

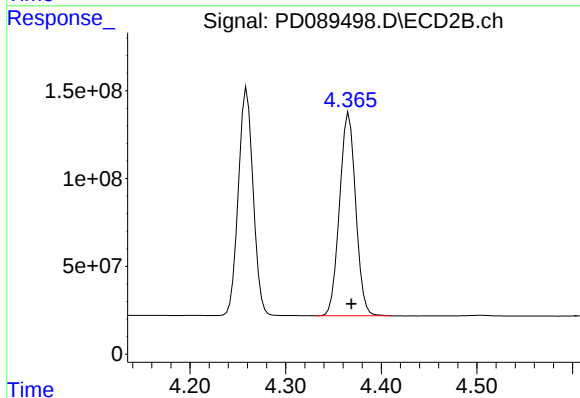
PB168874BS

Manual Integrations

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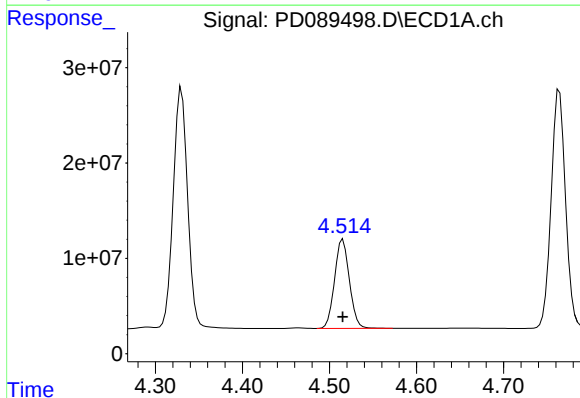
Reviewed By :Abdul Mirza 07/17/2025

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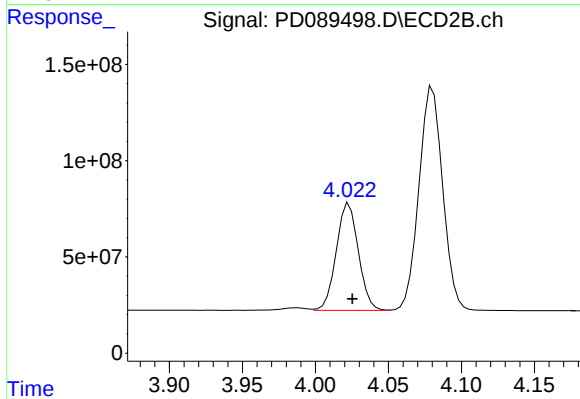
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 1358150103
Conc: 56.08 ng/ml



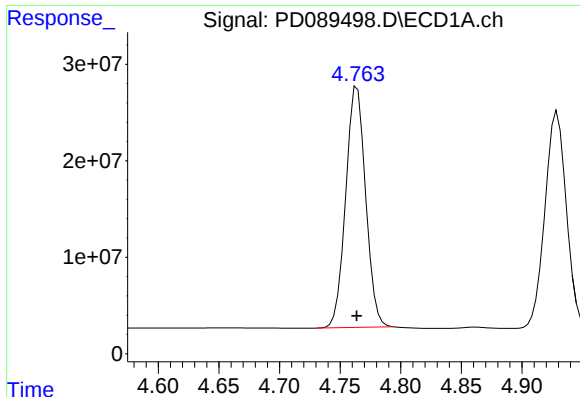
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 110698454
Conc: 50.15 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 587228129
Conc: 54.64 ng/ml



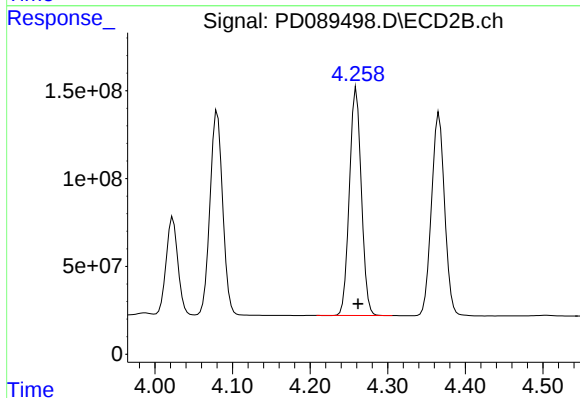
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 285540102
Conc: 55.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

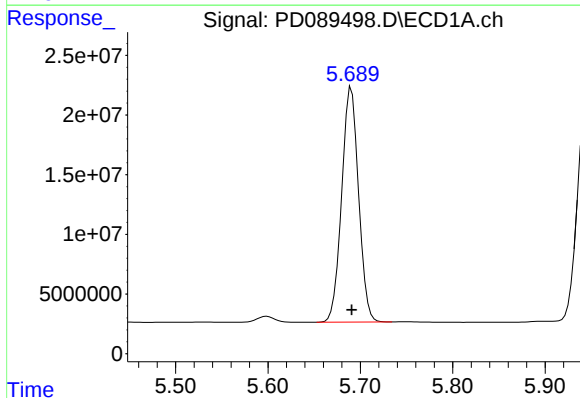
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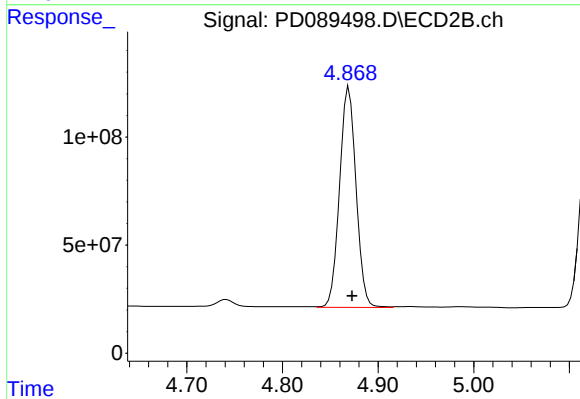
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1383896766
Conc: 55.64 ng/ml



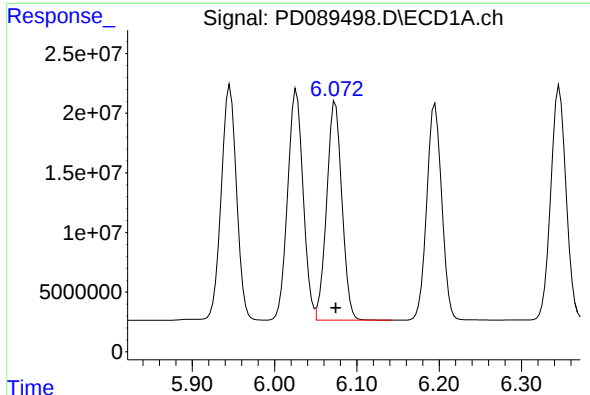
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 250151639
Conc: 51.86 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 1223814845
Conc: 55.89 ng/ml



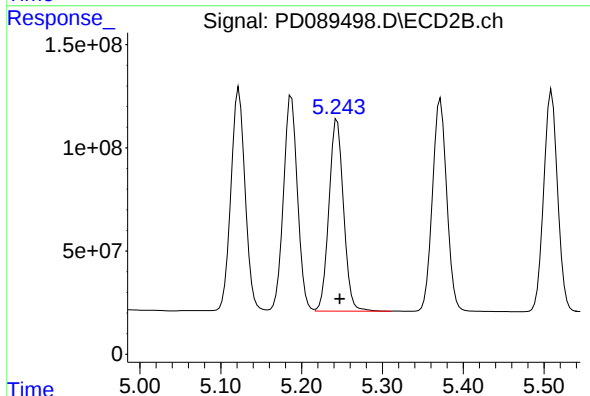
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 236993998
Conc: 52.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

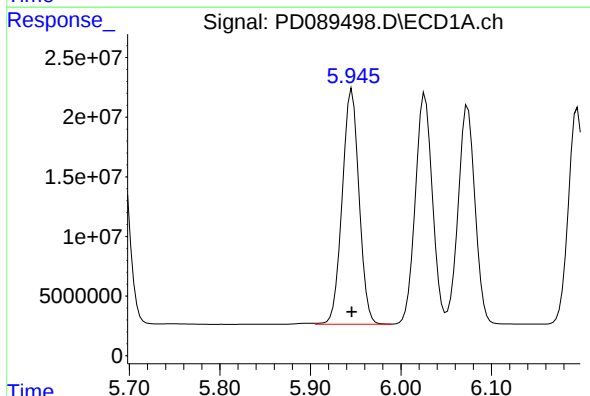
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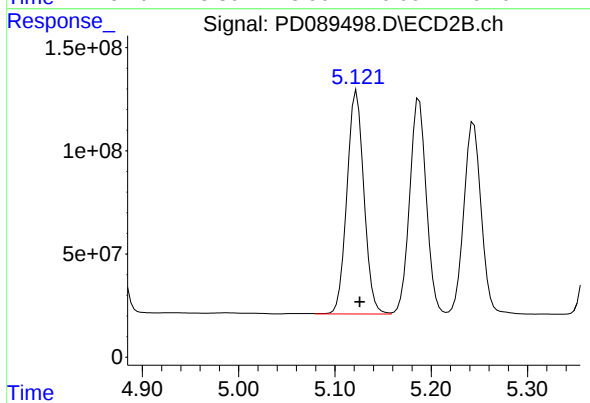
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: -0.003 min
Response: 1168443047
Conc: 56.06 ng/ml



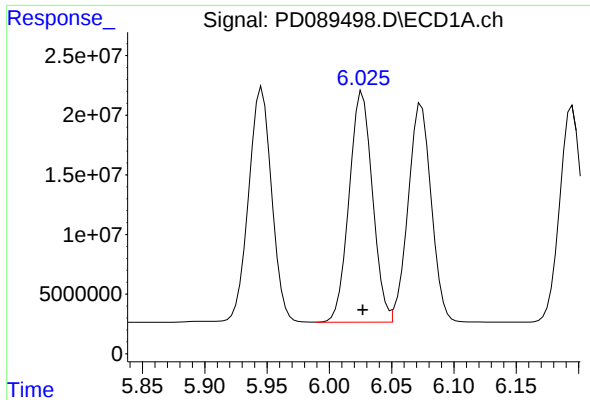
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 254765839
Conc: 53.21 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1318904174
Conc: 55.13 ng/ml



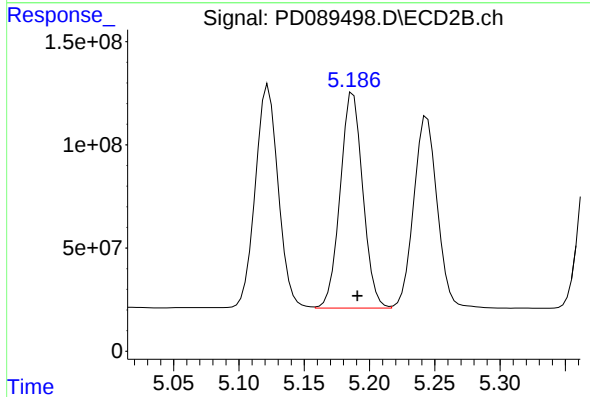
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 253374056
Conc: 52.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

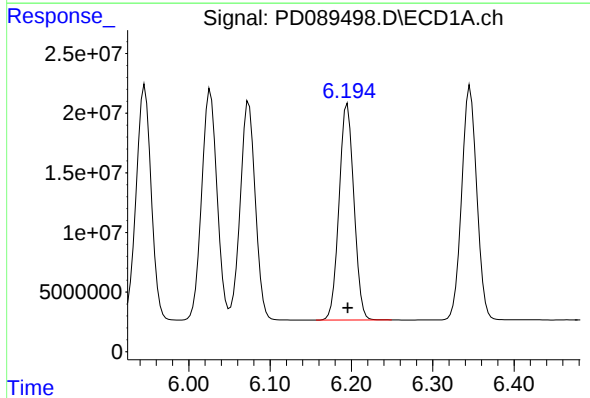
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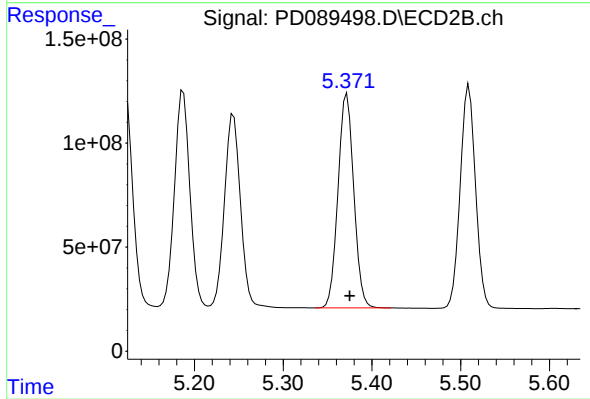
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: -0.003 min
Response: 1259792434
Conc: 55.02 ng/ml



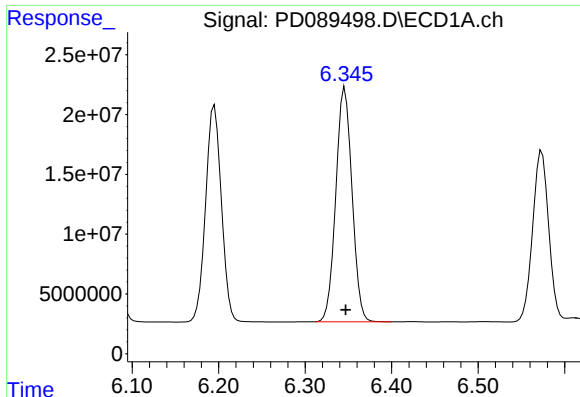
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 229701234
Conc: 52.67 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 1268913015
Conc: 55.37 ng/ml



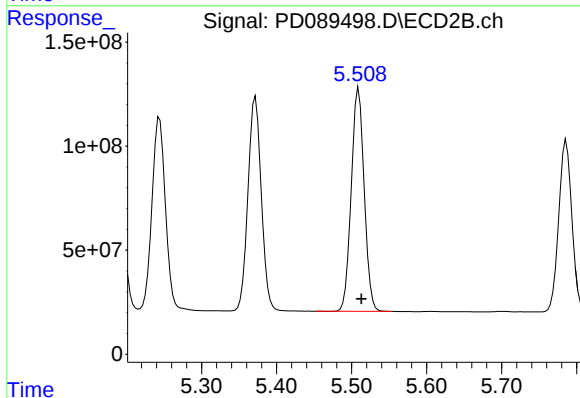
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 253732139
Conc: 52.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

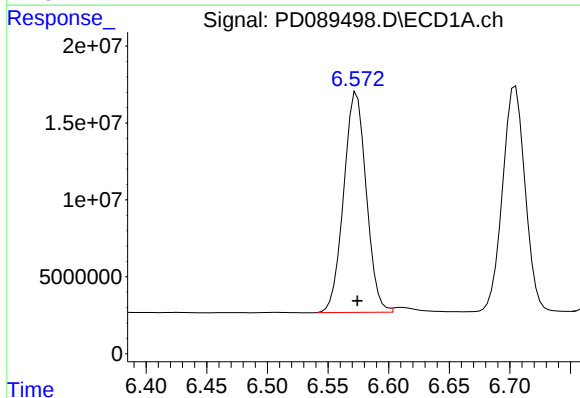
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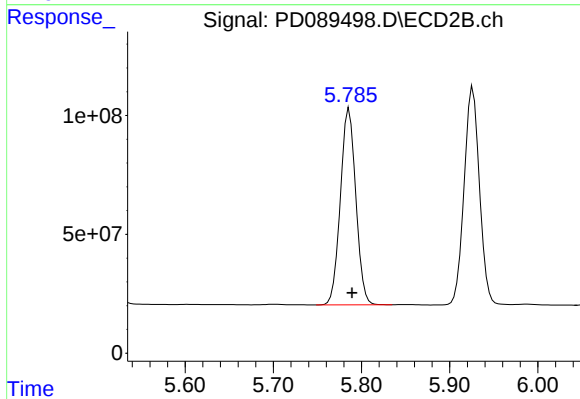
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: -0.004 min
Response: 1282902132
Conc: 55.28 ng/ml



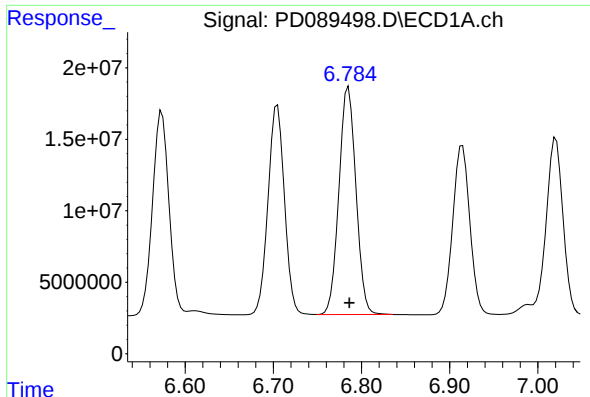
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 185186026
Conc: 44.89 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 1003862611
Conc: 46.23 ng/ml



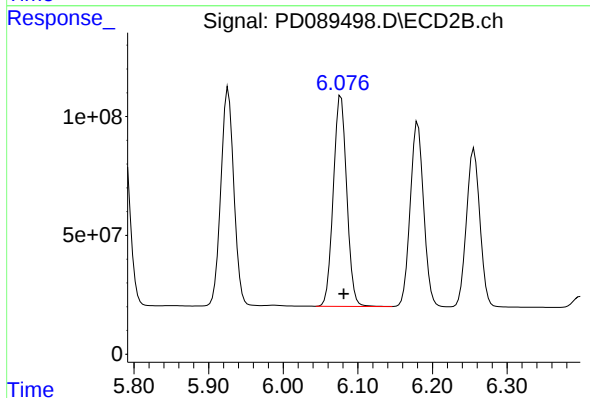
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 213418741
Conc: 52.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

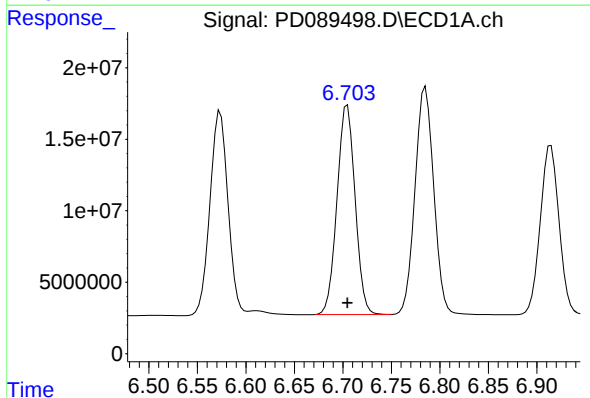
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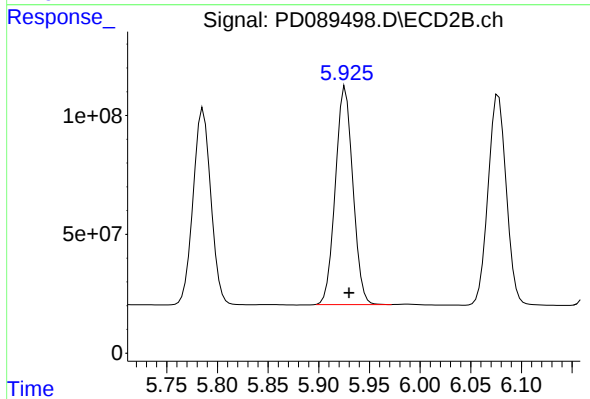
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.004 min
Response: 1110782655
Conc: 55.00 ng/ml



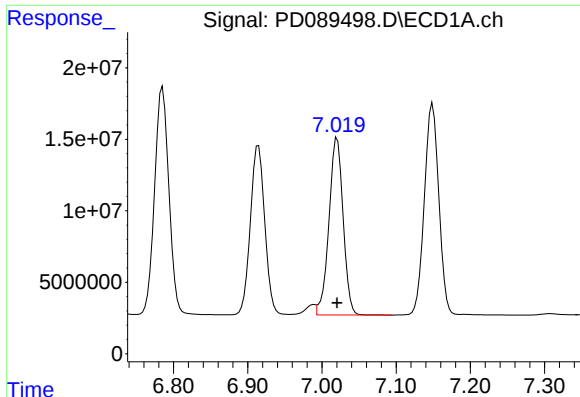
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 189798713
Conc: 55.30 ng/ml



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: -0.004 min
Response: 1103939425
Conc: 57.71 ng/ml



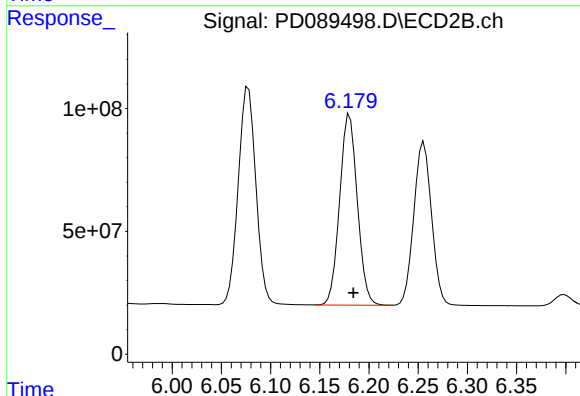
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 164589809
Conc: 43.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

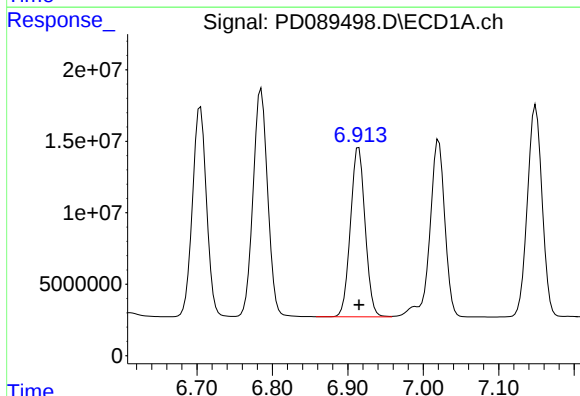
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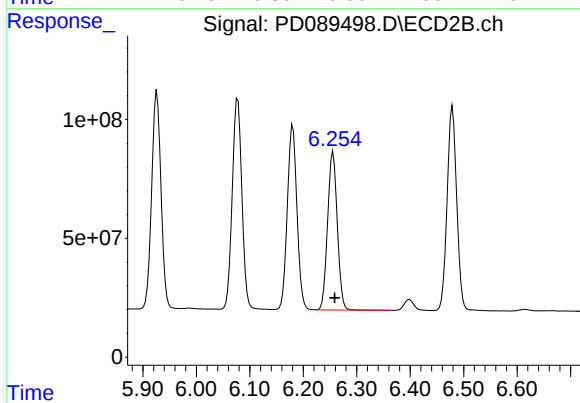
#17 4,4'-DDT

R.T.: 6.180 min
Delta R.T.: -0.004 min
Response: 972447279
Conc: 47.95 ng/ml



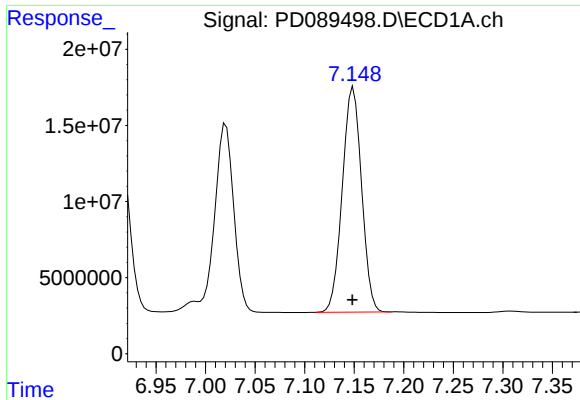
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 159796155
Conc: 52.15 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 837816981
Conc: 54.72 ng/ml



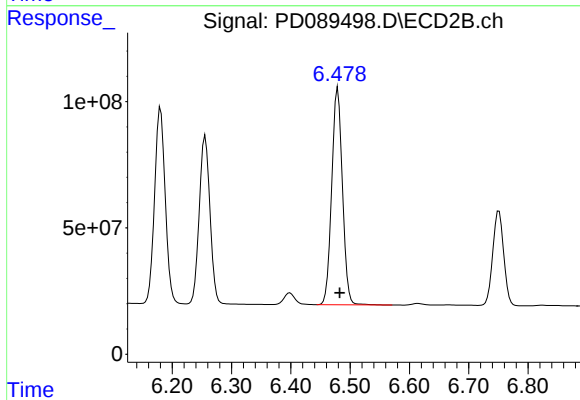
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 199551496
Conc: 52.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

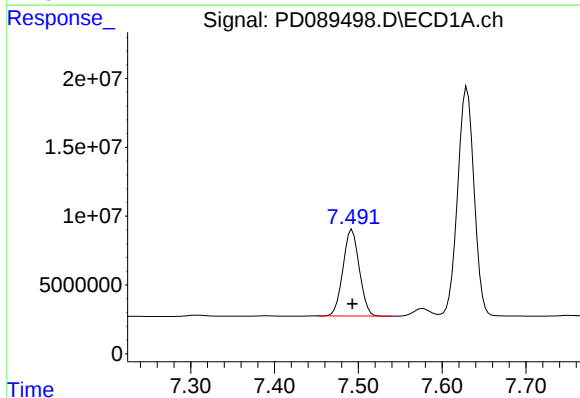
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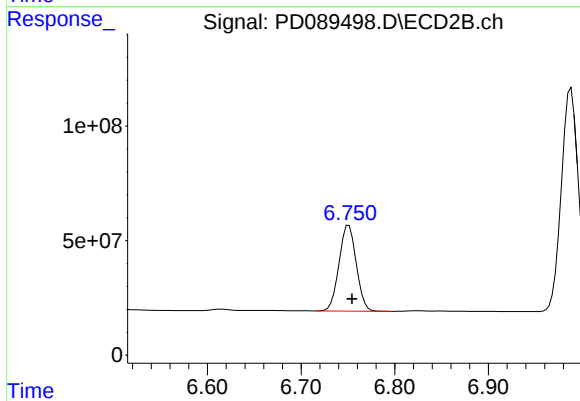
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: -0.003 min
Response: 1074959014
Conc: 54.79 ng/ml



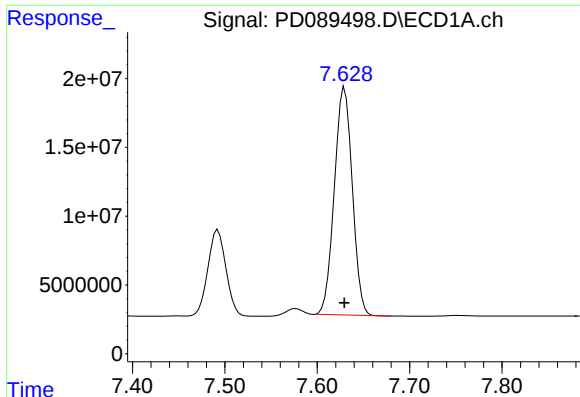
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 85140390
Conc: 42.14 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 478705465
Conc: 44.46 ng/ml



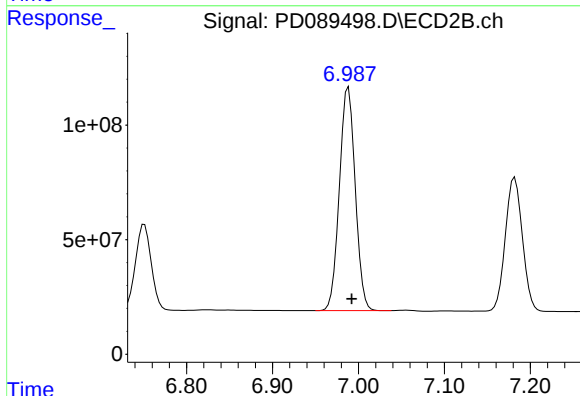
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 223361490
Conc: 54.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168874BS

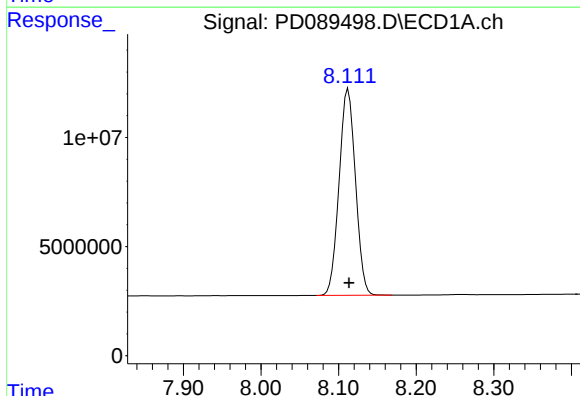
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/17/2025
Supervised By :mohammad ahmed 07/18/2025



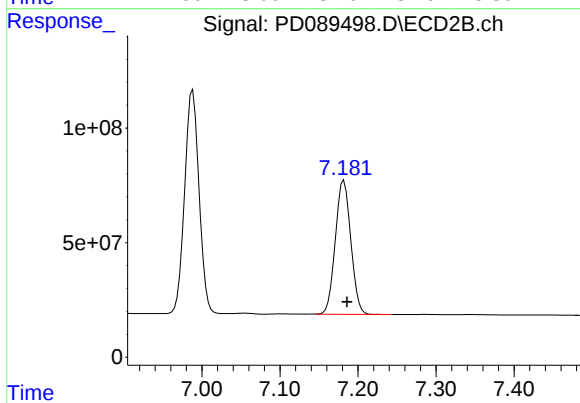
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 1250151228
Conc: 57.87 ng/ml



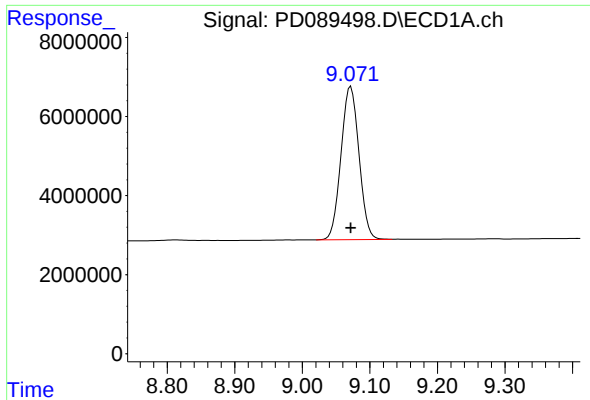
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 138755419
Conc: 45.64 ng/ml



#22 Mirex

R.T.: 7.182 min
Delta R.T.: -0.004 min
Response: 806251633
Conc: 48.34 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 71584327
Conc: 18.23 ng/ml

Instrument :

ECD_D

ClientSampleId :

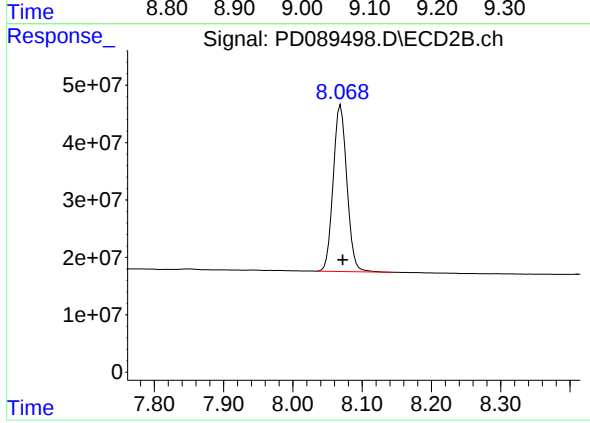
PB168874BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: -0.003 min
Response: 399096561
Conc: 20.19 ng/ml