

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
 Data File : PD089454.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 13:15
 Operator : AR\AJ
 Sample : PB168810BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168810BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 11 22:50:38 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	44833691	333.1E6	15.714	19.648 #
28)	SA Decachlor...	9.072	8.070	64927993	333.2E6	16.531	16.853
Target Compounds							
2)	A alpha-BHC	3.999	3.391	280.4E6	1381.9E6	48.109	51.568
3)	MA gamma-BHC...	4.330	3.726	268.1E6	1274.4E6	48.033	51.477m
4)	MA Heptachlor	4.929	4.080	259.9E6	1233.3E6	47.672	49.256
5)	MB Aldrin	5.270	4.366	258.5E6	1254.6E6	48.648	51.808
6)	B beta-BHC	4.516	4.023	102.6E6	542.8E6	46.470	50.515
7)	B delta-BHC	4.764	4.260	262.5E6	1283.5E6	51.135	51.600
8)	B Heptachlo...	5.690	4.869	230.7E6	1126.8E6	47.831	51.459m
9)	A Endosulfan I	6.073	5.244	218.3E6	1093.0E6	48.438	52.439
10)	B gamma-Chl...	5.945	5.123	231.5E6	1234.8E6	48.340	51.615
11)	B alpha-Chl...	6.026	5.188	233.7E6	1173.7E6	48.298	51.260
12)	B 4,4'-DDE	6.195	5.372	211.5E6	1177.0E6	48.503	51.361
13)	MA Dieldrin	6.346	5.510	233.7E6	1191.3E6	48.718	51.332
14)	MA Endrin	6.574	5.787	179.3E6	996.7E6	43.450	45.903
15)	B Endosulfa...	6.786	6.077	193.6E6	1026.9E6	47.951	50.843
16)	A 4,4'-DDD	6.705	5.927	170.4E6	1010.2E6	49.654	52.811
17)	MA 4,4'-DDT	7.020	6.181	163.6E6	945.4E6	43.177	46.619
18)	B Endrin al...	6.914	6.256	144.2E6	768.1E6	47.076	50.164
19)	B Endosulfa...	7.149	6.480	177.2E6	984.2E6	46.190	50.161
20)	A Methoxychlor	7.492	6.752	80087416	458.1E6	39.635	42.544
21)	B Endrin ke...	7.630	6.989	189.8E6	1064.4E6	46.590	49.276
22)	Mirex	8.113	7.183	119.5E6	692.7E6	39.306	41.534

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071125\
Data File : PD089454.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 13:15
Operator : AR\AJ
Sample : PB168810BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168810BS

Manual Integrations

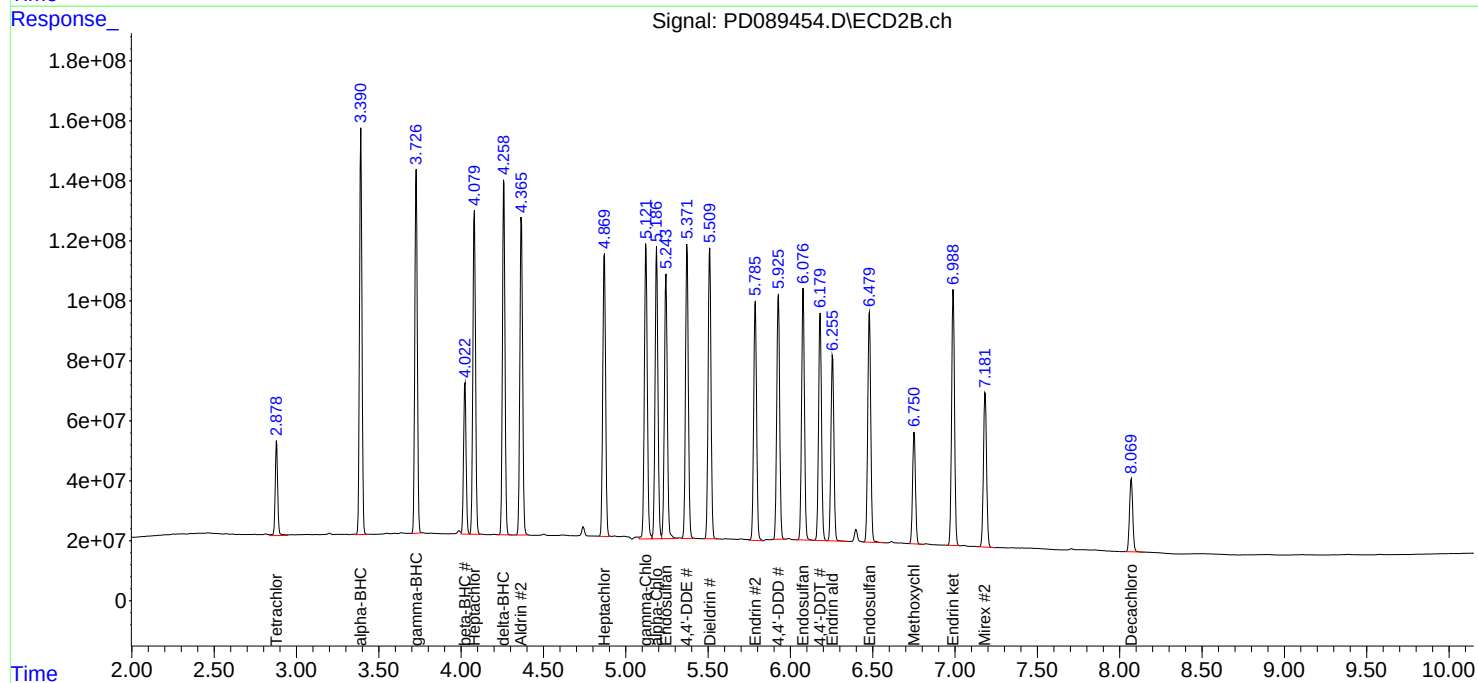
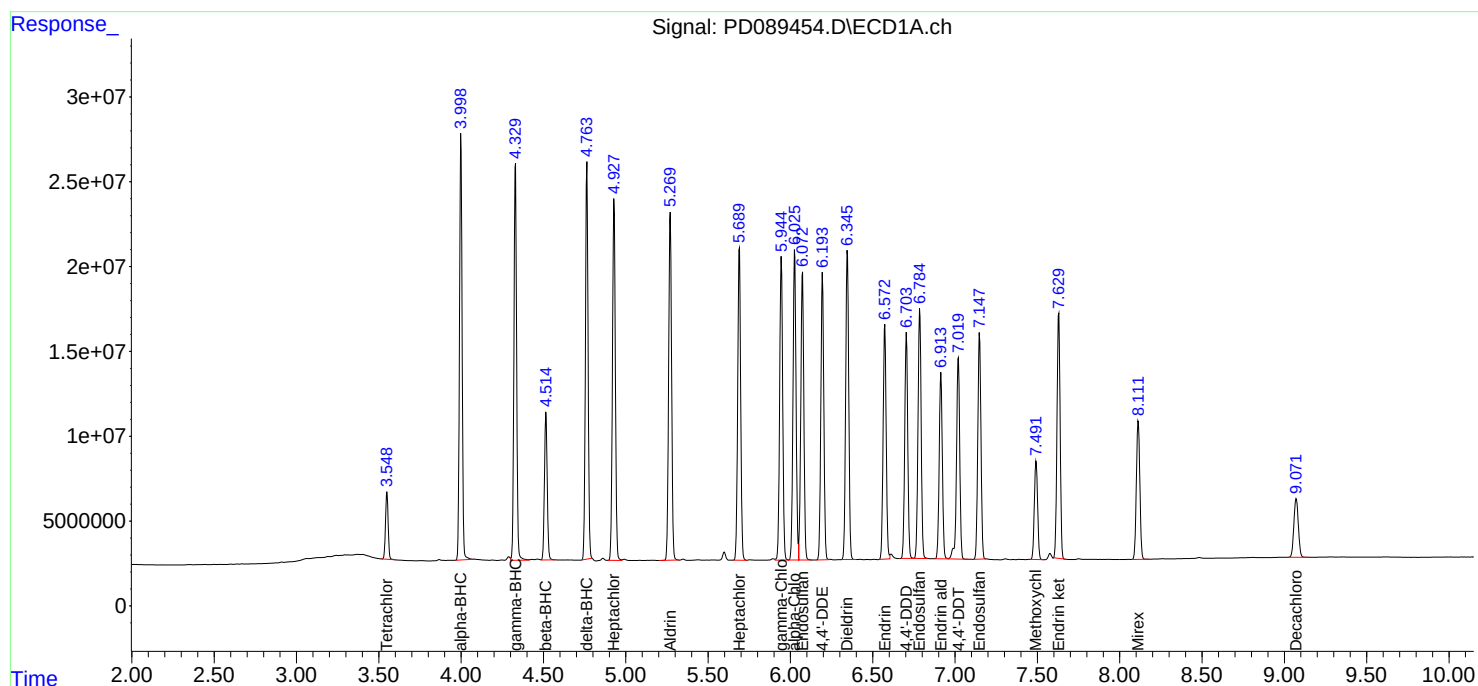
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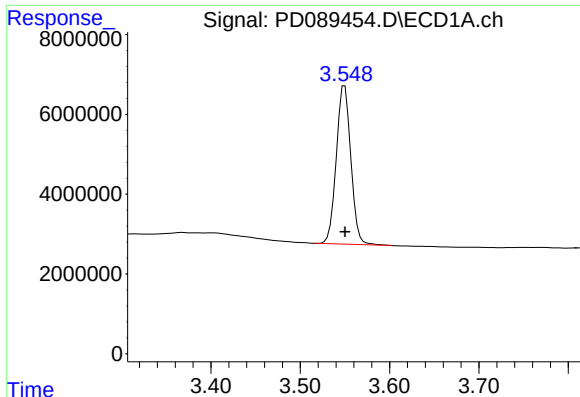
Reviewed By :Abdul Mirza 07/14/2025

Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:38 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





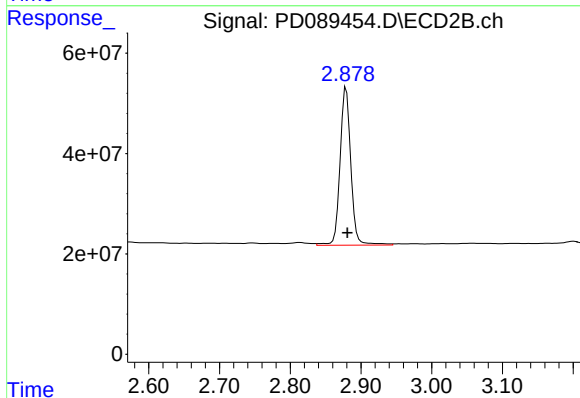
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 44833691
Conc: 15.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

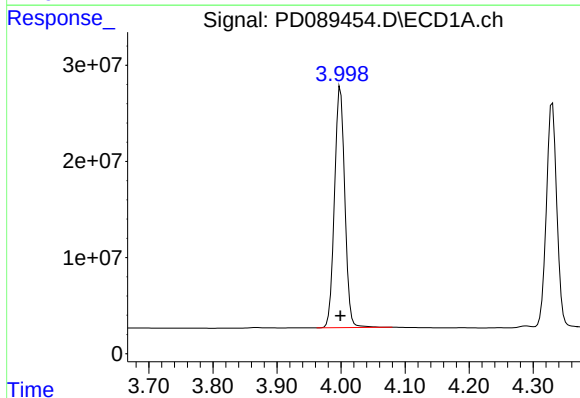
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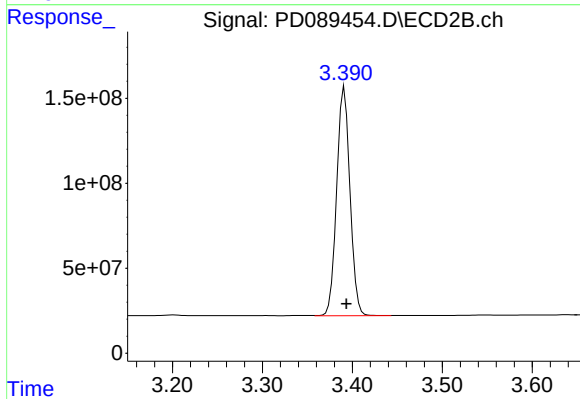
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 333099176
Conc: 19.65 ng/ml



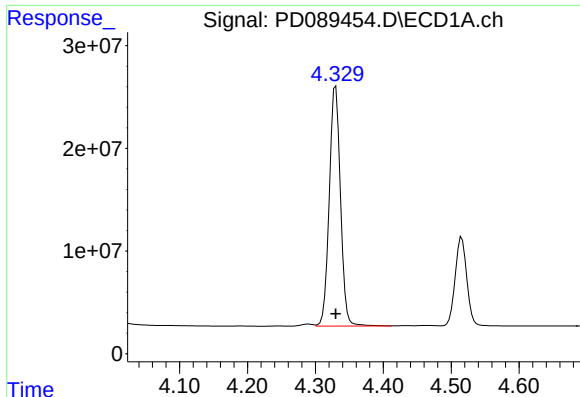
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 280427987
Conc: 48.11 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1381865474
Conc: 51.57 ng/ml



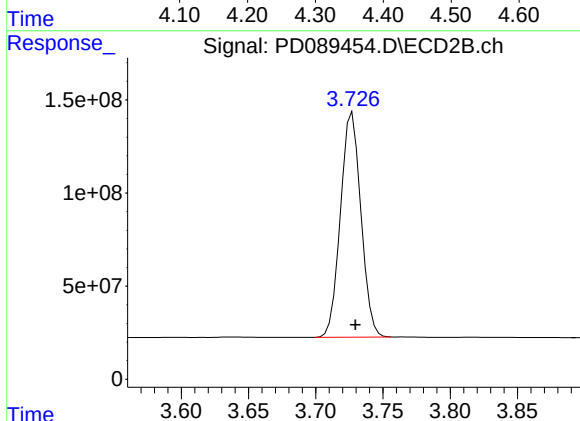
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 268104441
Conc: 48.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

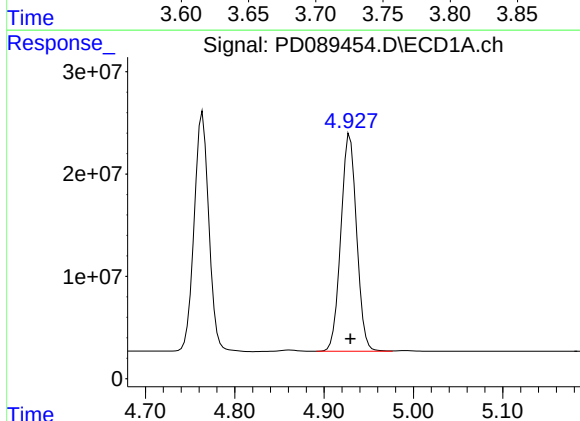
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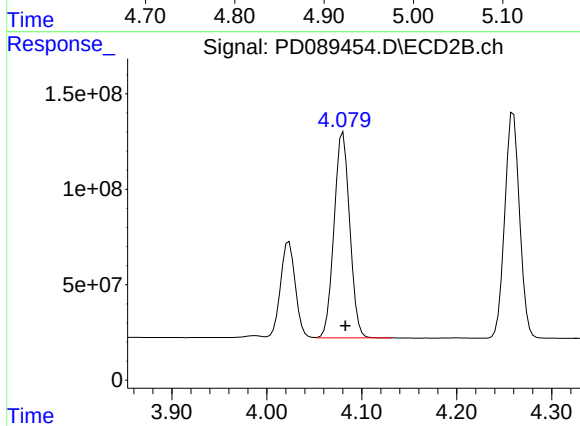
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: -0.004 min
Response: 1274418894
Conc: 51.48 ng/ml m



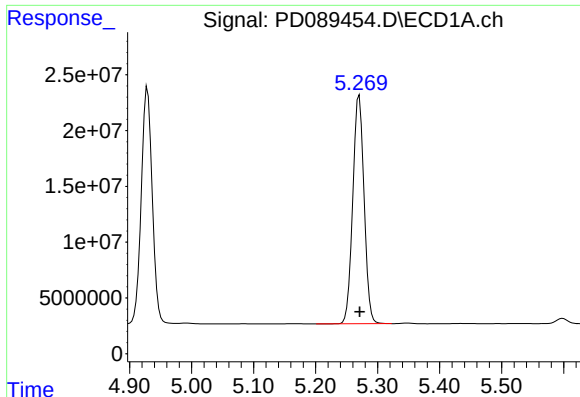
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 259905201
Conc: 47.67 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 1233287081
Conc: 49.26 ng/ml



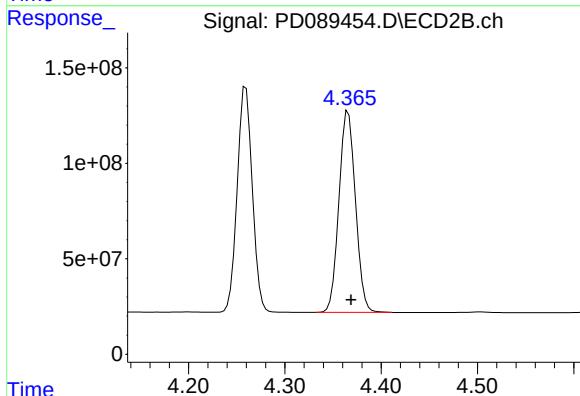
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 258463504
Conc: 48.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

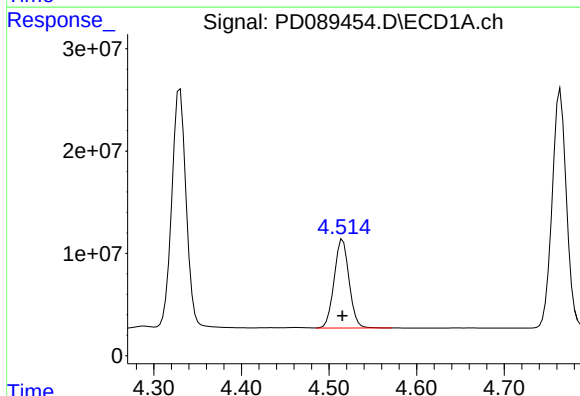
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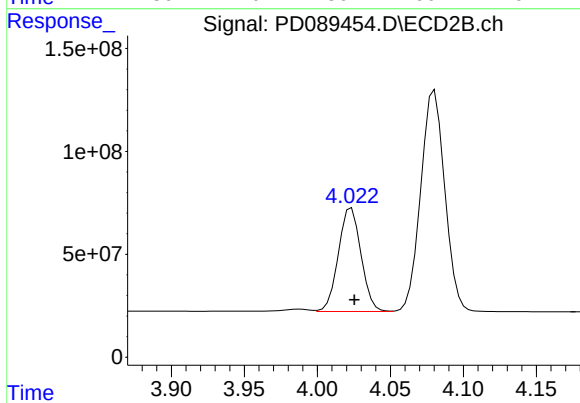
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: -0.003 min
Response: 1254644701
Conc: 51.81 ng/ml



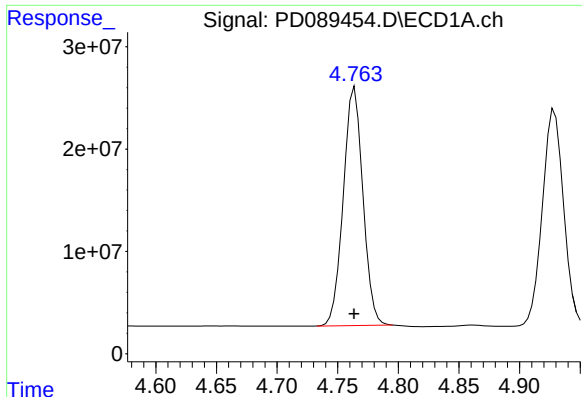
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 102565619
Conc: 46.47 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: -0.002 min
Response: 542848932
Conc: 50.52 ng/ml



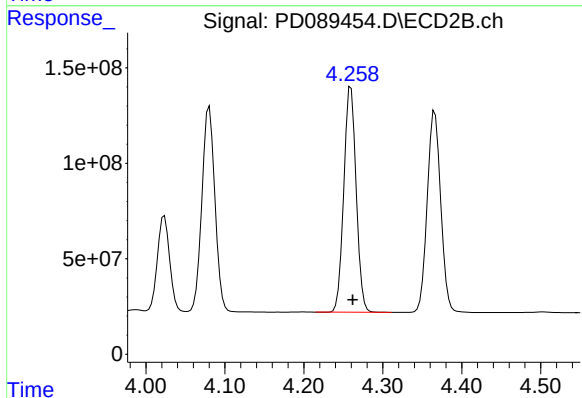
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 262472880
Conc: 51.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

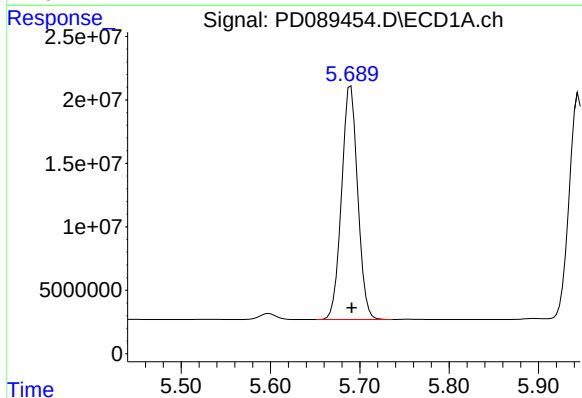
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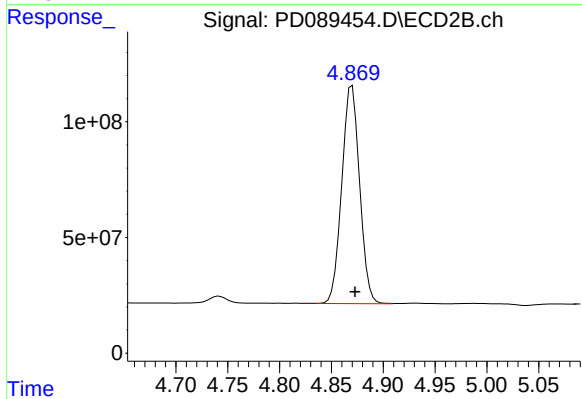
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: -0.002 min
Response: 1283470551
Conc: 51.60 ng/ml



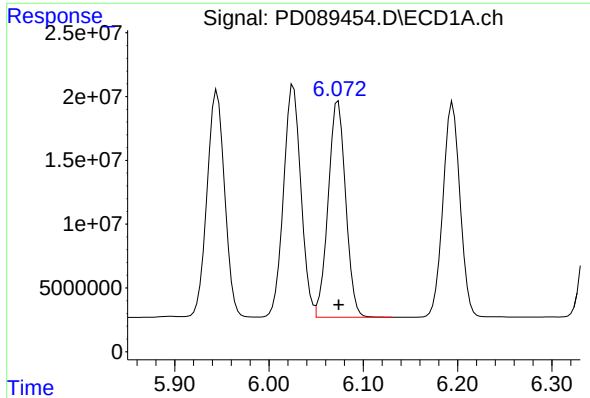
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 230733200
Conc: 47.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: -0.004 min
Response: 1126842964
Conc: 51.46 ng/ml m



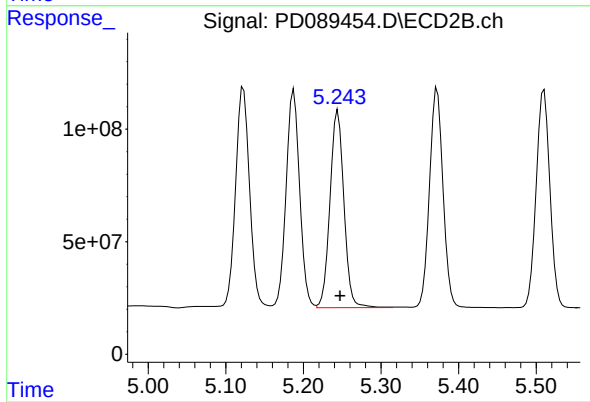
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 218332483
Conc: 48.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

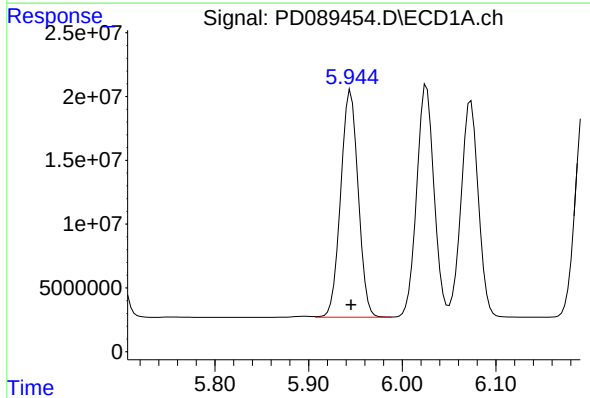
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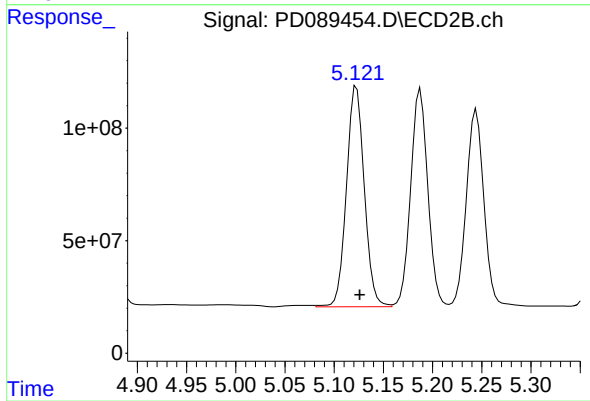
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: -0.003 min
Response: 1092966471
Conc: 52.44 ng/ml



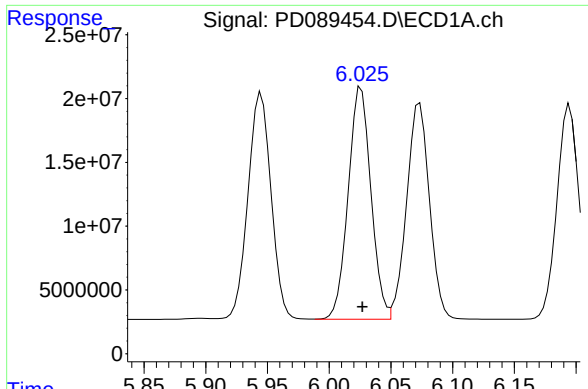
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 231456891
Conc: 48.34 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: -0.003 min
Response: 1234770155
Conc: 51.61 ng/ml



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 233690730
Conc: 48.30 ng/ml

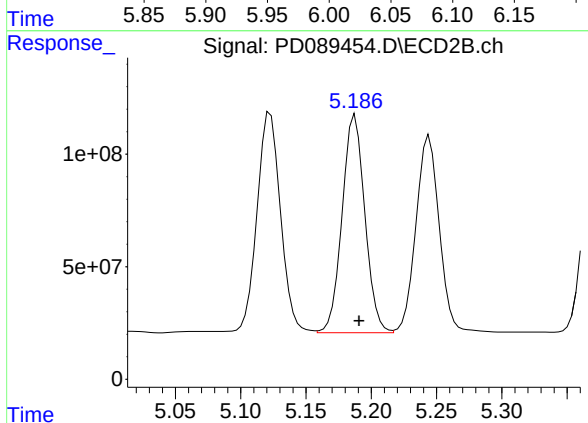
Instrument :

ECD_D

ClientSampleId :
PB168810BS

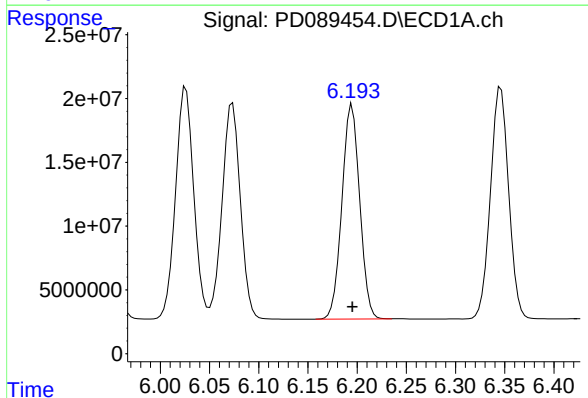
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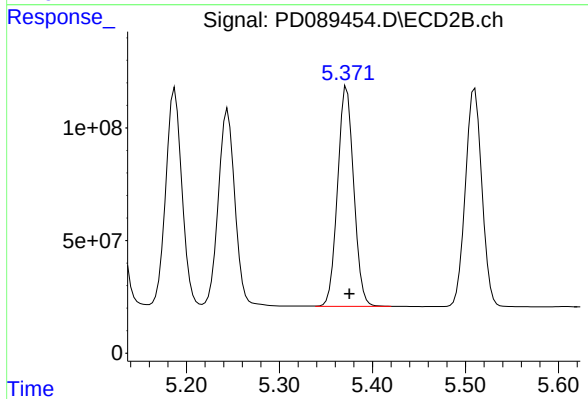
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.003 min
Response: 1173685466
Conc: 51.26 ng/ml



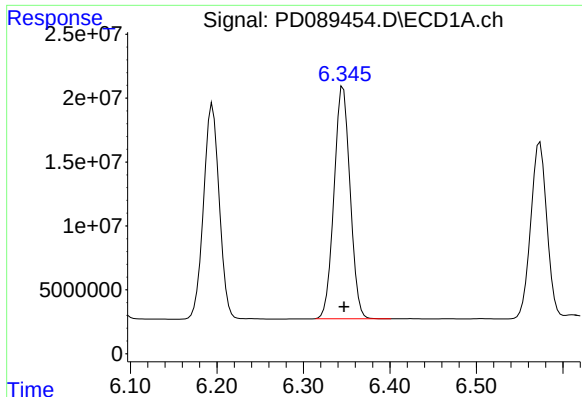
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 211524952
Conc: 48.50 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.003 min
Response: 1177000446
Conc: 51.36 ng/ml



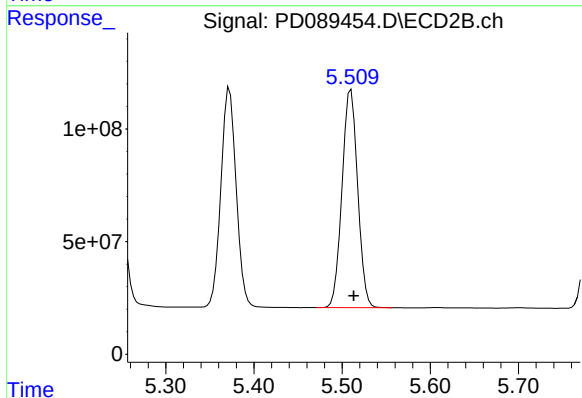
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 233721384
Conc: 48.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

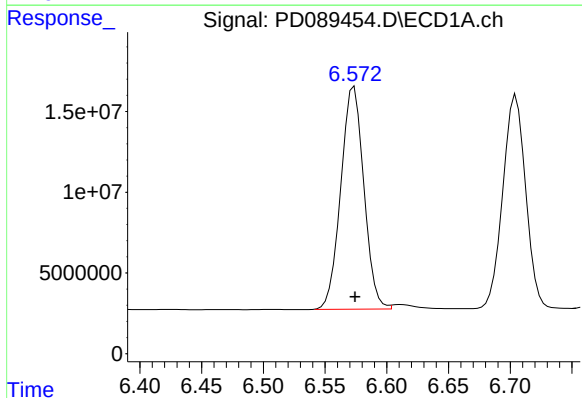
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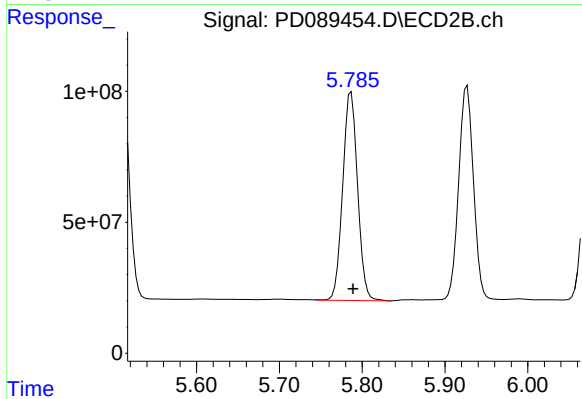
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1191327989
Conc: 51.33 ng/ml



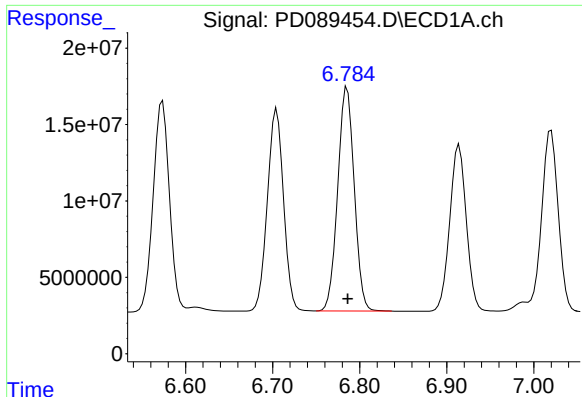
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 179258295
Conc: 43.45 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 996742245
Conc: 45.90 ng/ml



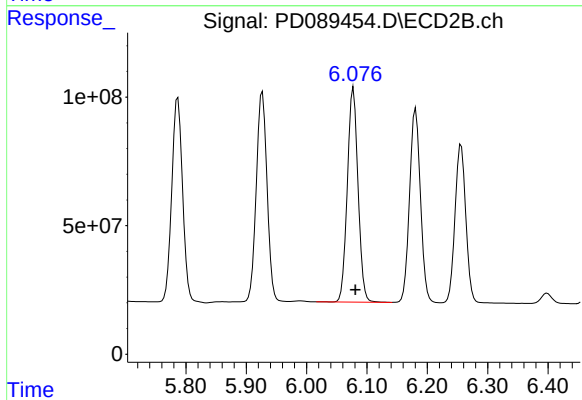
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 193558747
Conc: 47.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

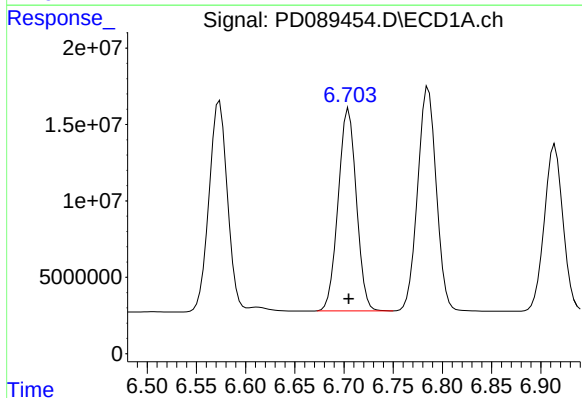
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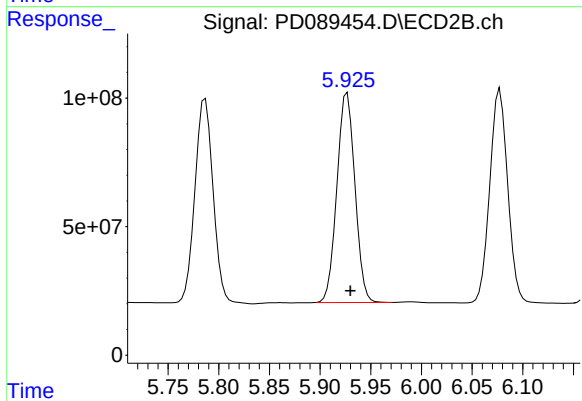
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.003 min
Response: 1026855151
Conc: 50.84 ng/ml



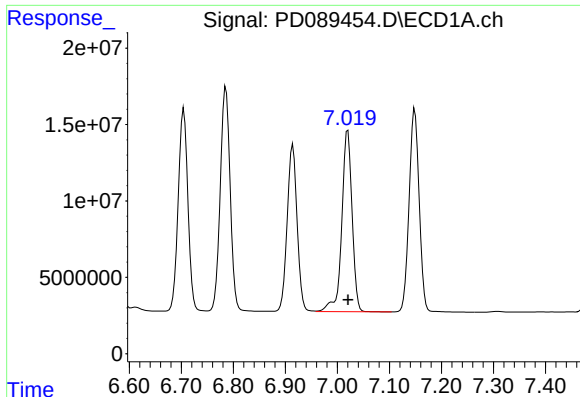
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 170413719
Conc: 49.65 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: -0.003 min
Response: 1010247197
Conc: 52.81 ng/ml



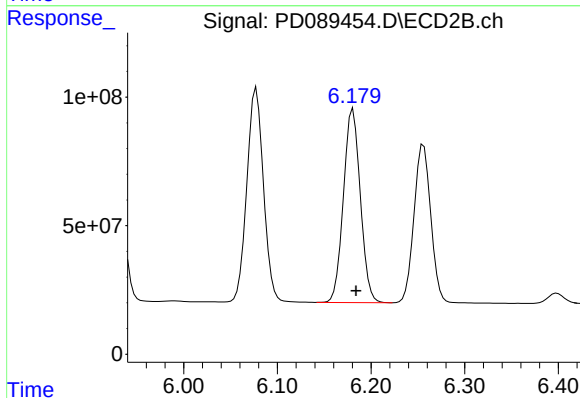
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 163561647
Conc: 43.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

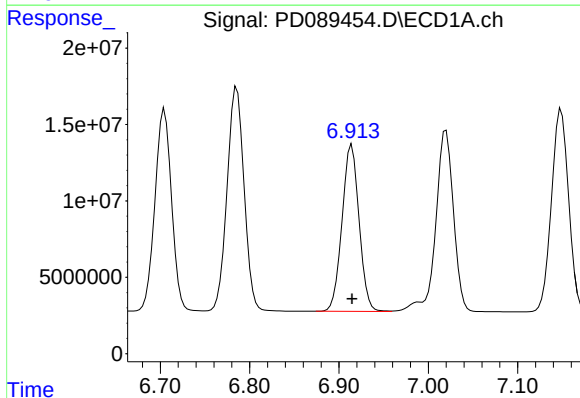
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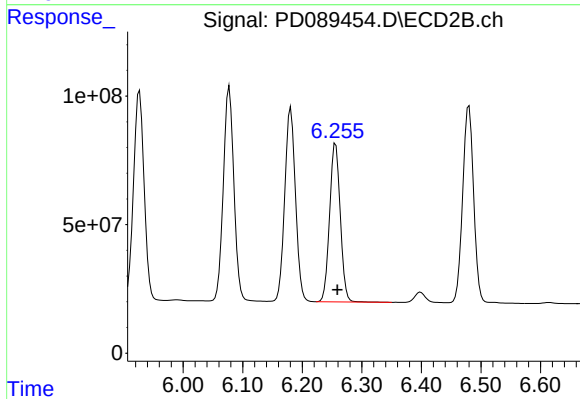
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 945408128
Conc: 46.62 ng/ml



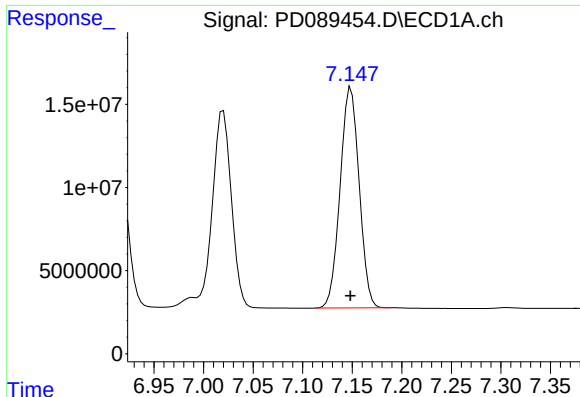
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 144237370
Conc: 47.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.003 min
Response: 768074266
Conc: 50.16 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 177240144
Conc: 46.19 ng/ml

Instrument :

ECD_D

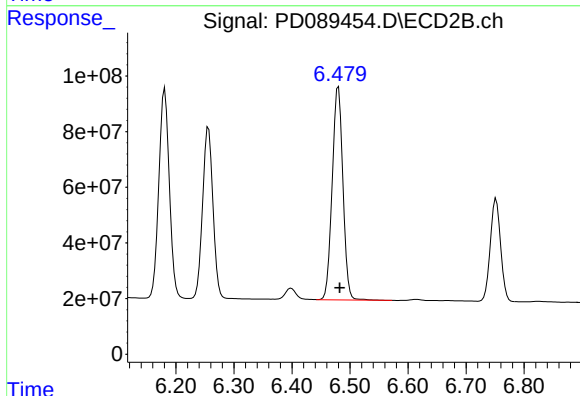
ClientSampleId :

PB168810BS

Manual Integrations

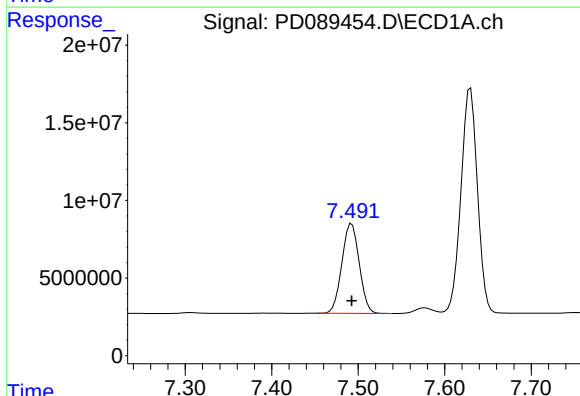
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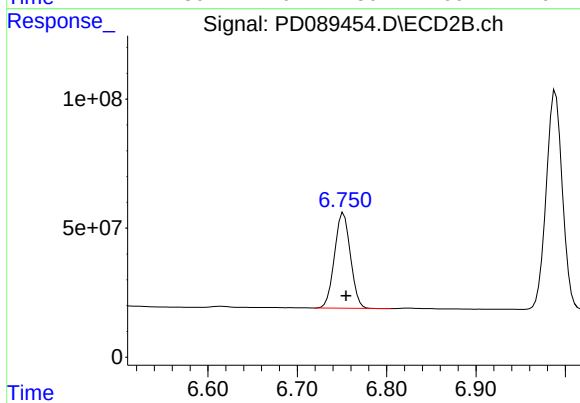
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.003 min
Response: 984208735
Conc: 50.16 ng/ml



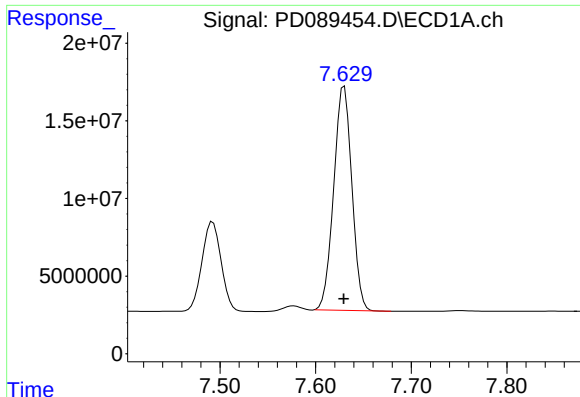
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 80087416
Conc: 39.63 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 458112948
Conc: 42.54 ng/ml



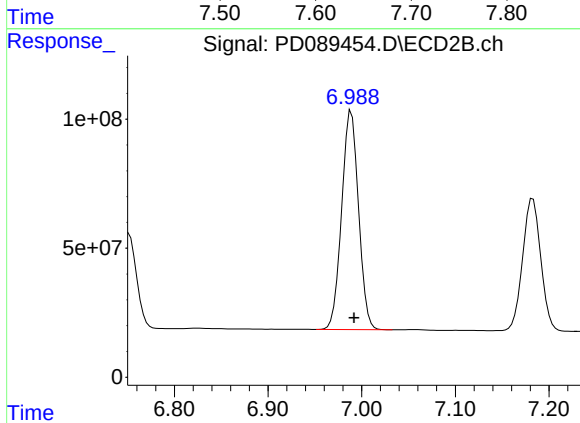
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 189764940
Conc: 46.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168810BS

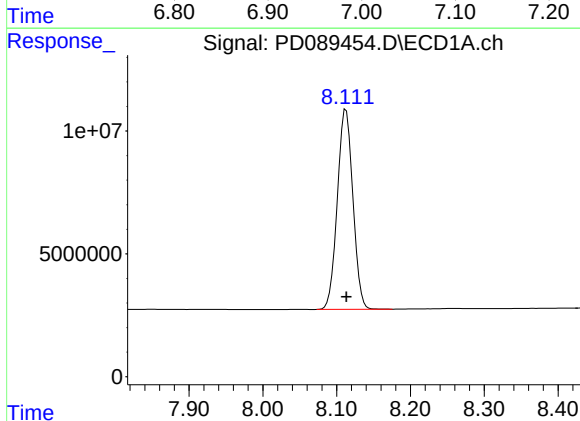
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



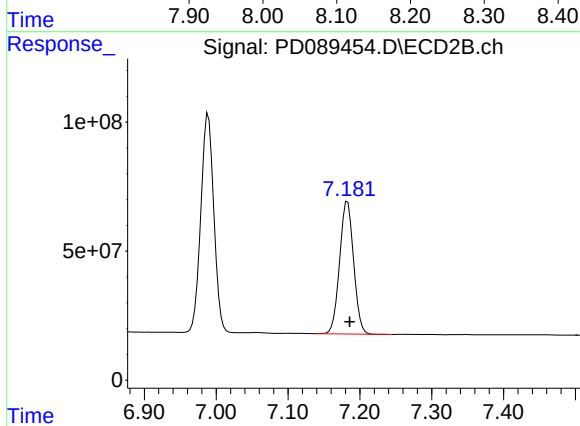
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 1064448980
Conc: 49.28 ng/ml



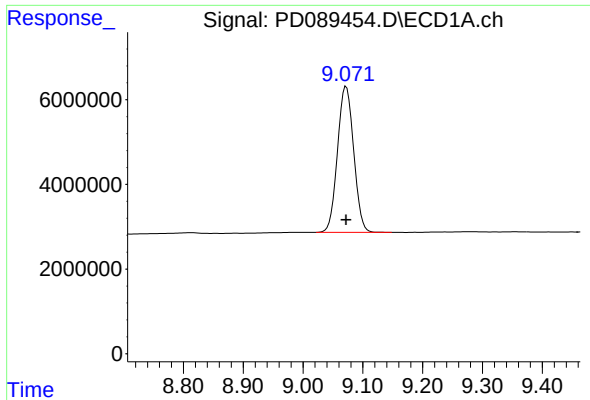
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 119495380
Conc: 39.31 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 692715290
Conc: 41.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 64927993
Conc: 16.53 ng/ml

Instrument :

ECD_D

ClientSampleId :

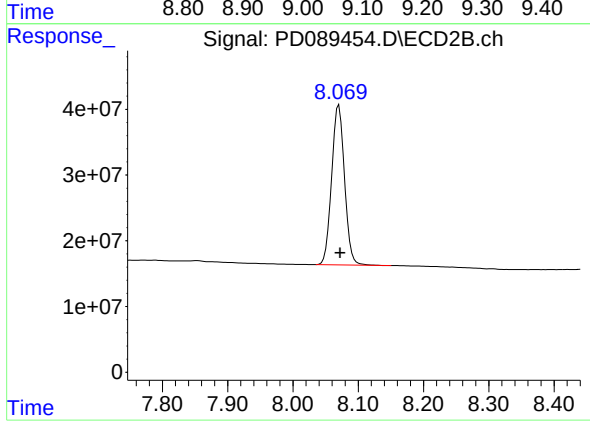
PB168810BS

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 333188072
Conc: 16.85 ng/ml