

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089210.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 23:19
 Operator : AR\AJ
 Sample : Q2430-01MS
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 MH-E/FMS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/30/2025
 Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 28 00:24:15 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	2.881	41870961	280.5E6	14.675	16.547
28)	SA Decachlor...	9.071	8.070	57630323	302.7E6	14.673	15.310
Target Compounds							
2)	A alpha-BHC	3.999	3.393	252.0E6	1206.6E6	43.232	45.029
3)	MA gamma-BHC...	4.330	3.729	242.7E6	1103.8E6	43.484	44.587
4)	MA Heptachlor	4.929	4.082	227.3E6	1068.4E6	41.699	42.670
5)	MB Aldrin	5.270	4.368	234.5E6	1075.0E6	44.143	44.389
6)	B beta-BHC	4.515	4.025	96454487	474.9E6	43.701	44.194
7)	B delta-BHC	4.764	4.262	234.1E6	1106.7E6	45.610	44.491
8)	B Heptachlo...	5.690	4.872	206.2E6	963.3E6	42.754	43.988
9)	A Endosulfan I	6.073	5.246	195.4E6	922.2E6	43.344	44.246
10)	B gamma-Chl...	5.945	5.125	210.5E6	1048.9E6	43.957	43.846
11)	B alpha-Chl...	6.026	5.189	208.3E6	1001.6E6	43.051	43.744
12)	B 4,4'-DDE	6.195	5.374	189.1E6	1002.6E6	43.369	43.750
13)	MA Dieldrin	6.346	5.512	207.1E6	1013.4E6	43.171	43.665
14)	MA Endrin	6.573	5.788	170.5E6	917.9E6	41.332	42.271
15)	B Endosulfa...	6.785	6.078	171.6E6	875.5E6	42.516	43.351m
16)	A 4,4'-DDD	6.704	5.928	150.8E6	822.1E6	43.943	42.975
17)	MA 4,4'-DDT	7.019	6.182	144.1E6	845.2E6	38.043	41.680
18)	B Endrin al...	6.913	6.256	128.6E6	647.2E6	41.957	42.267m
19)	B Endosulfa...	7.148	6.481	161.8E6	833.1E6	42.177	42.457
20)	A Methoxychlor	7.491	6.753	71571787	400.4E6	35.421	37.180
21)	B Endrin ke...	7.629	6.990	173.1E6	929.9E6	42.502	43.046
22)	Mirex	8.112	7.184	126.5E6	695.9E6	41.595	41.723

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089210.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 23:19
Operator : AR\AJ
Sample : Q2430-01MS
Misc :
ALS Vial : 26 Sample Multiplier: 1

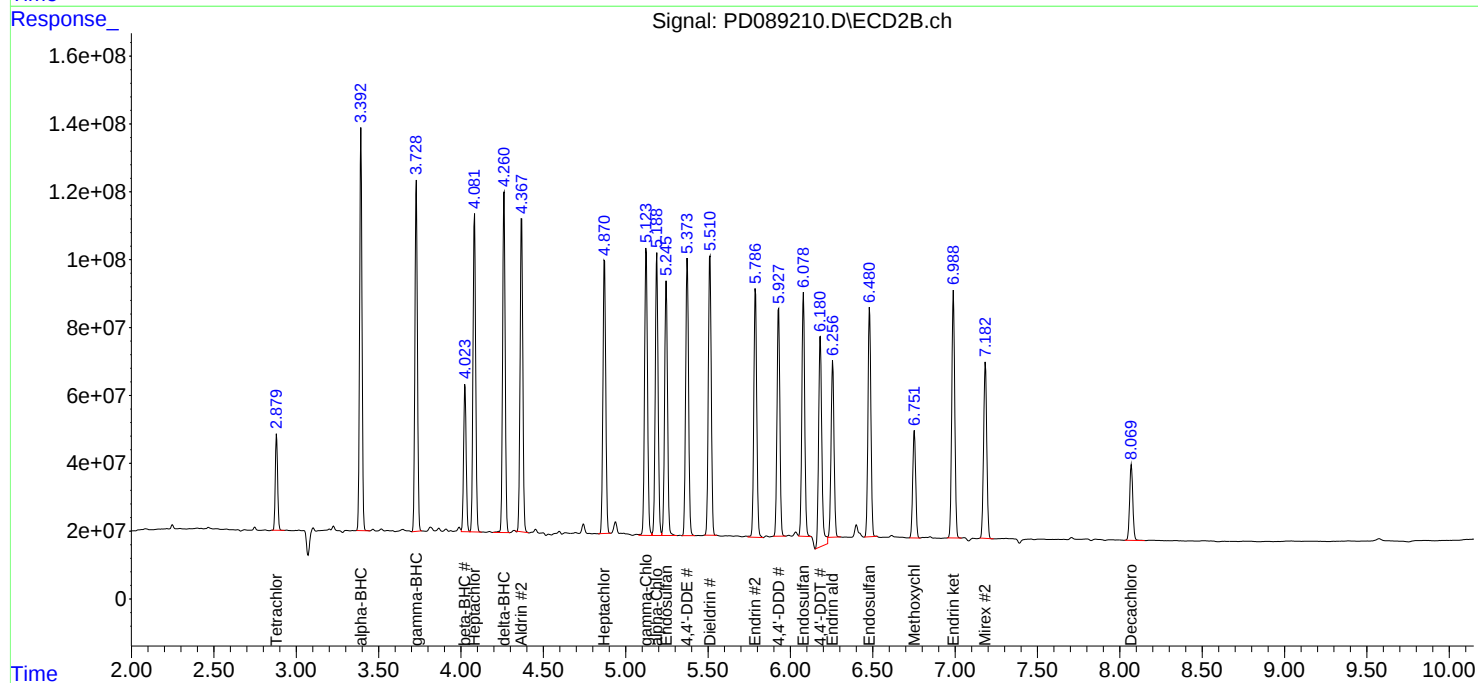
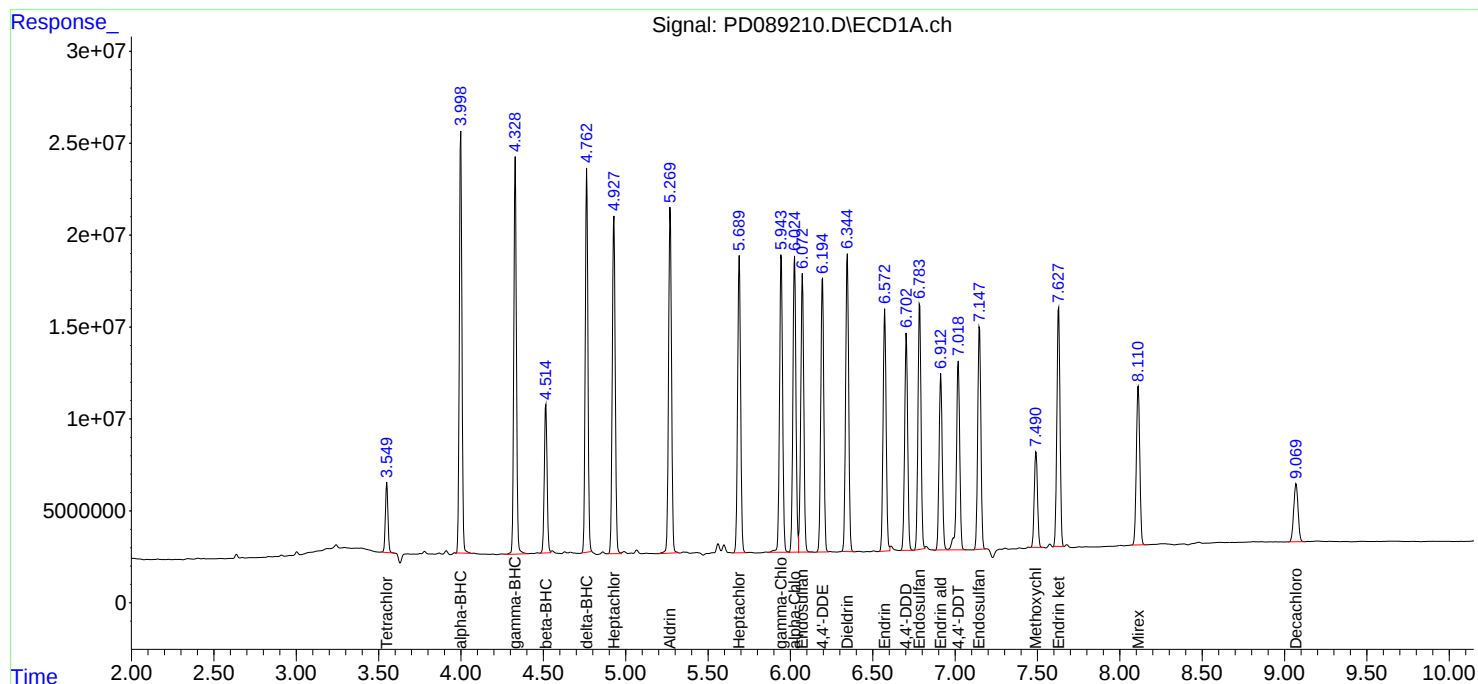
Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

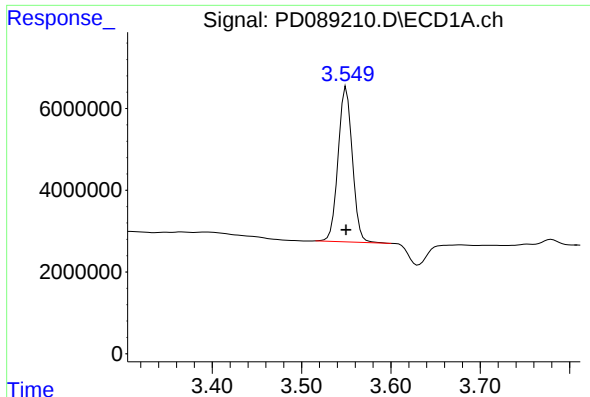
Manual Integrations
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Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 28 00:24:15 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





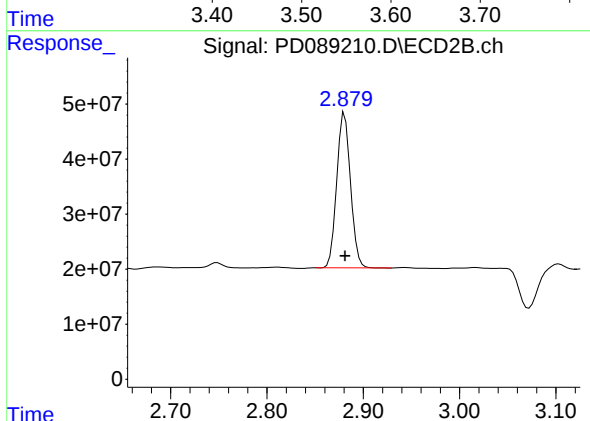
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 41870961
Conc: 14.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

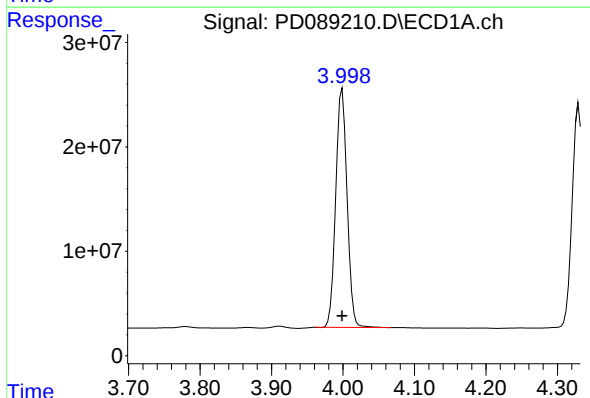
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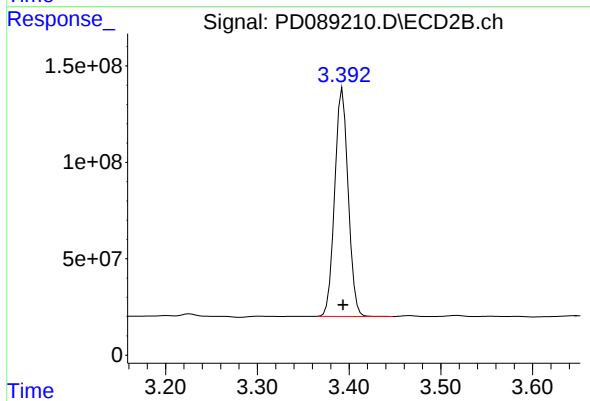
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 280519982
Conc: 16.55 ng/ml



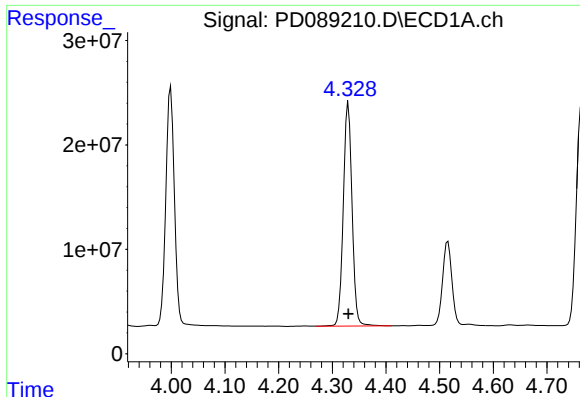
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 252001084
Conc: 43.23 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1206642444
Conc: 45.03 ng/ml



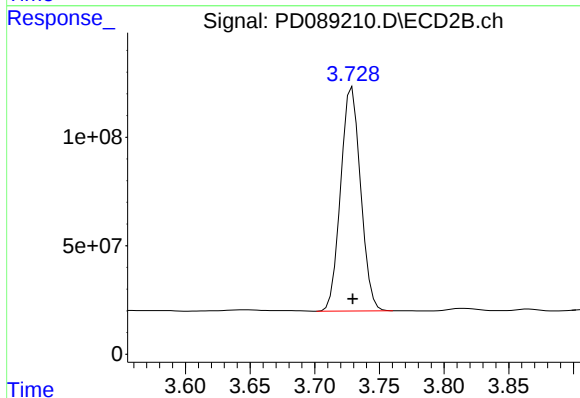
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 242714281
Conc: 43.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

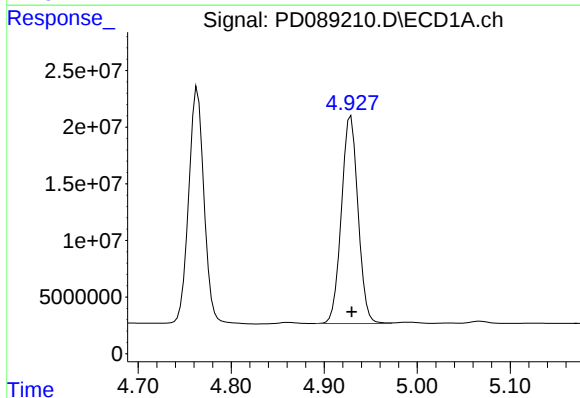
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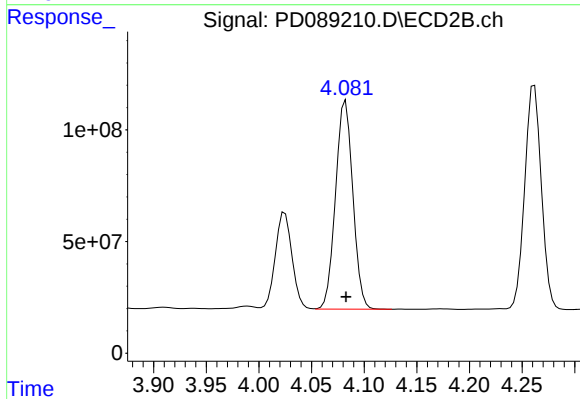
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1103843242
Conc: 44.59 ng/ml



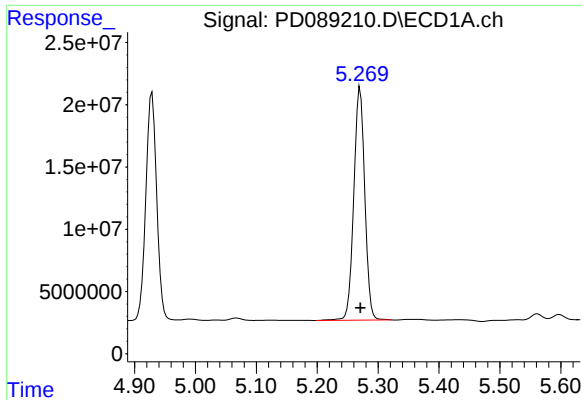
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 227342572
Conc: 41.70 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1068396777
Conc: 42.67 ng/ml



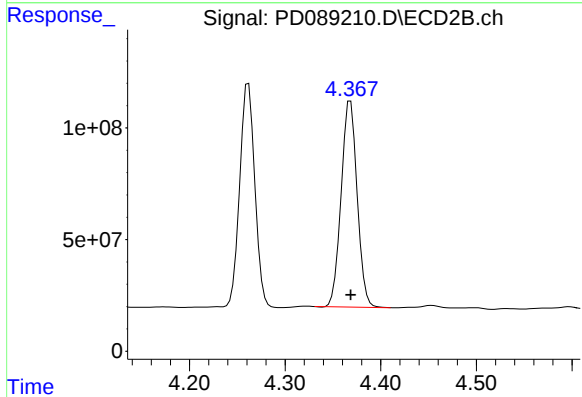
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 234530345
Conc: 44.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

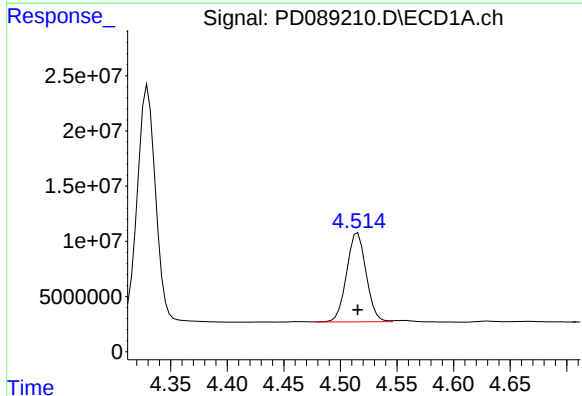
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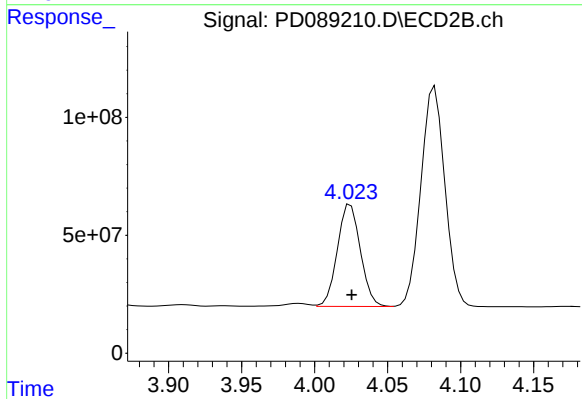
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1074974454
Conc: 44.39 ng/ml



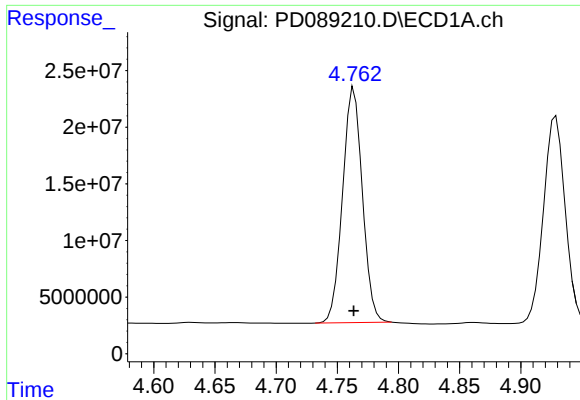
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 96454487
Conc: 43.70 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 474915103
Conc: 44.19 ng/ml



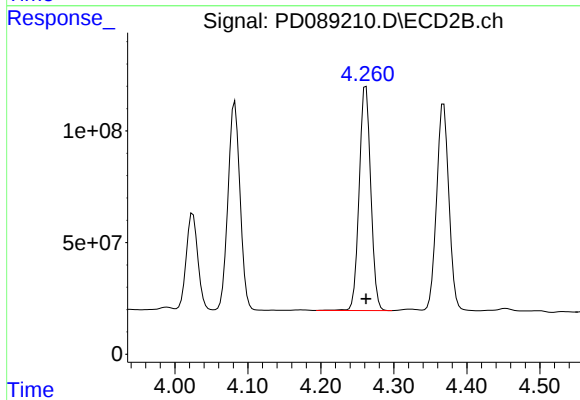
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 234109687
Conc: 45.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

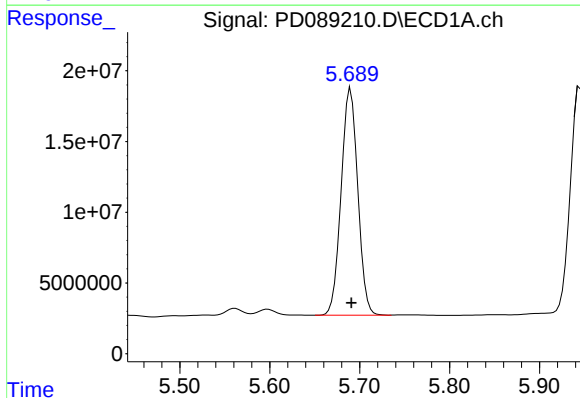
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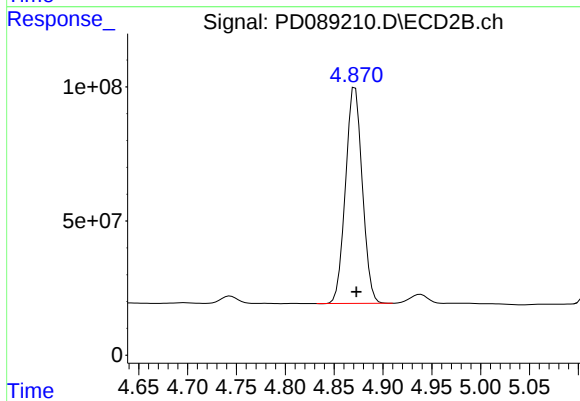
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1106655878
Conc: 44.49 ng/ml



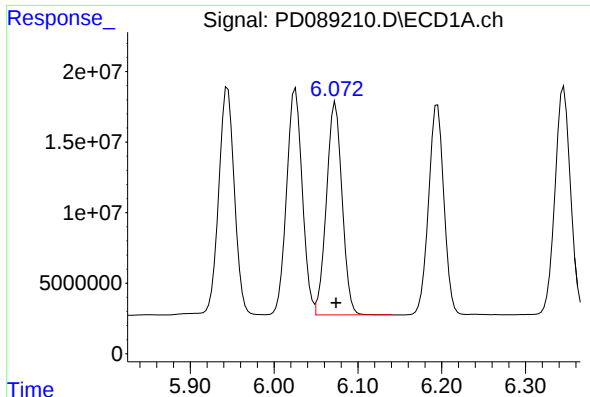
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 206242429
Conc: 42.75 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.001 min
Response: 963254852
Conc: 43.99 ng/ml



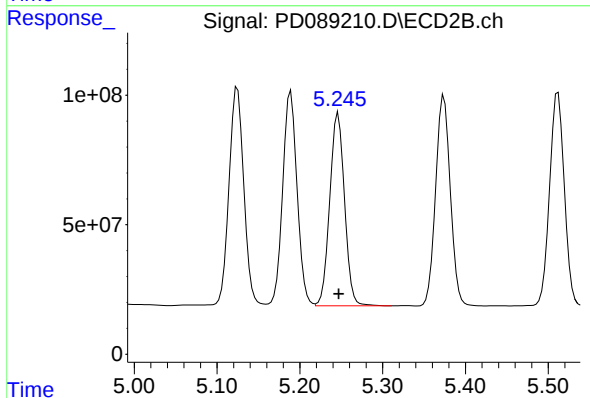
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 195373000
Conc: 43.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

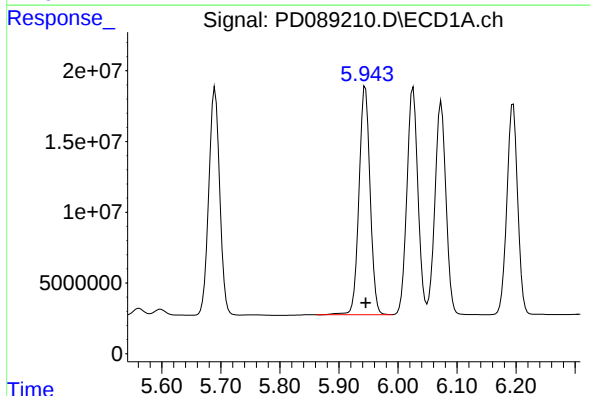
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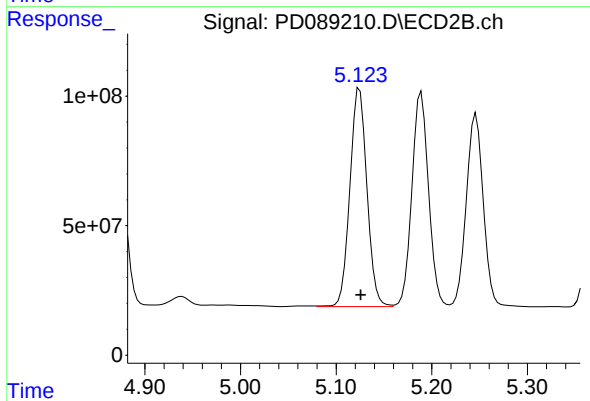
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 922198132
Conc: 44.25 ng/ml



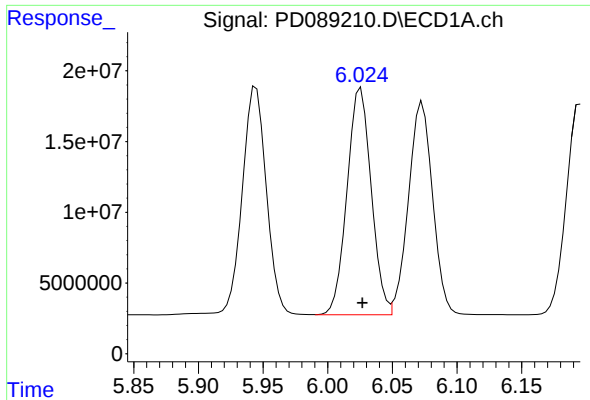
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 210469923
Conc: 43.96 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.001 min
Response: 1048921085
Conc: 43.85 ng/ml



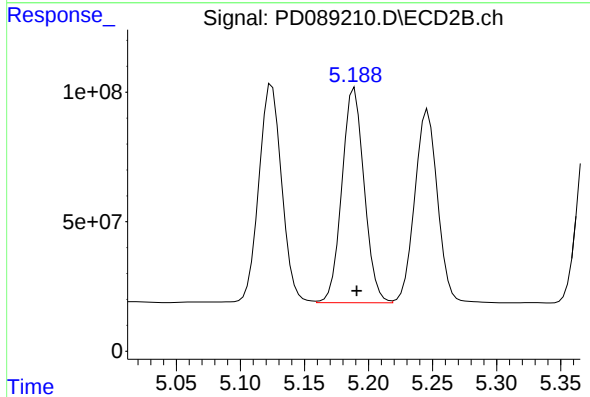
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 208304740
Conc: 43.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

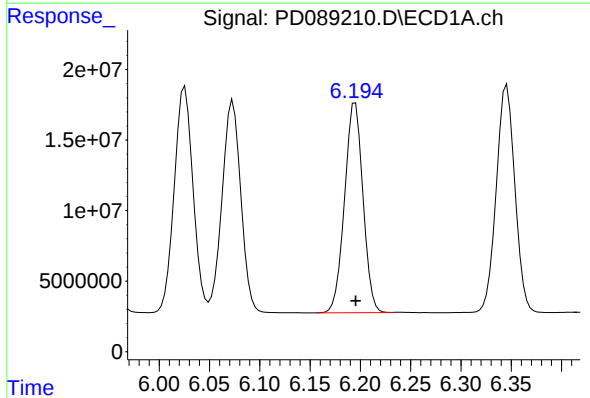
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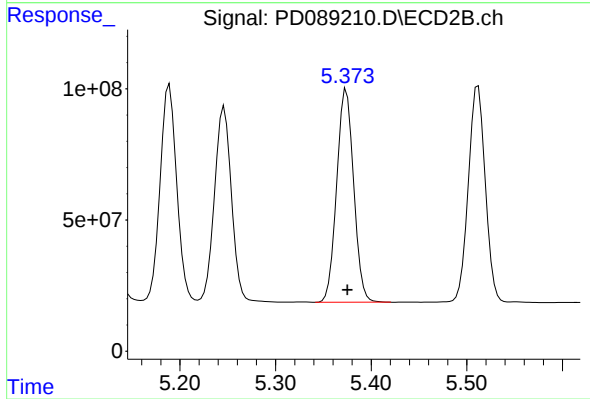
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1001592525
Conc: 43.74 ng/ml



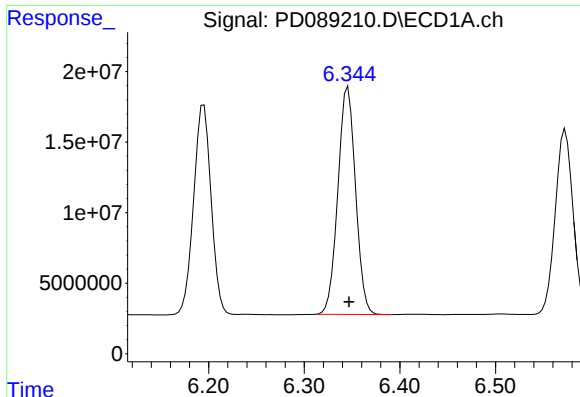
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 189131613
Conc: 43.37 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: -0.001 min
Response: 1002579497
Conc: 43.75 ng/ml



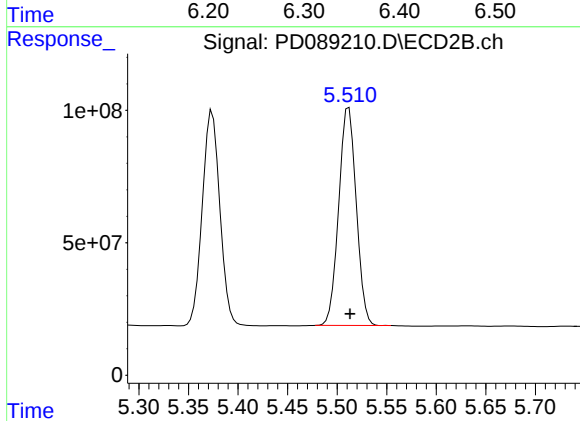
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 207111464
Conc: 43.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

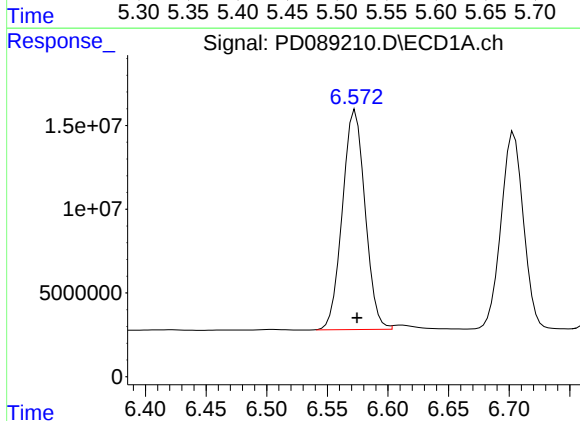
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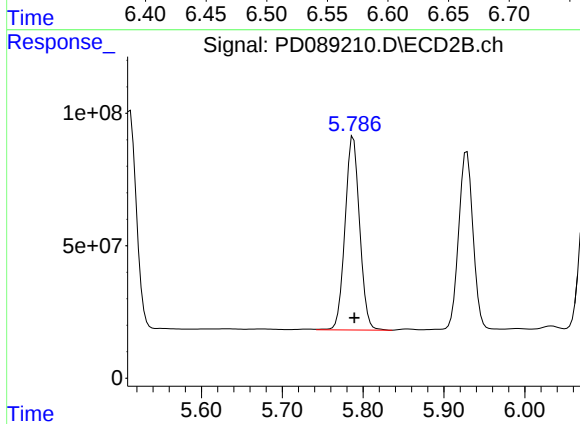
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.001 min
Response: 1013405095
Conc: 43.67 ng/ml



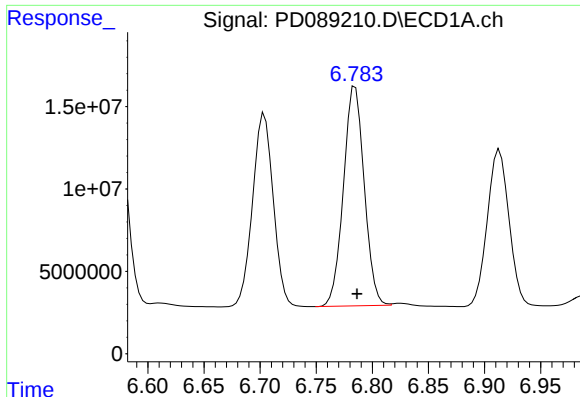
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 170519381
Conc: 41.33 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 917879984
Conc: 42.27 ng/ml



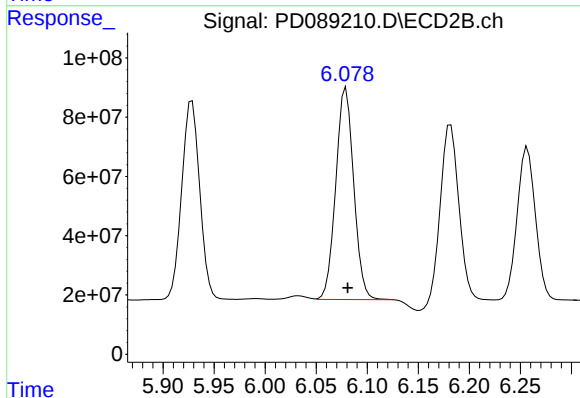
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 171620398
Conc: 42.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
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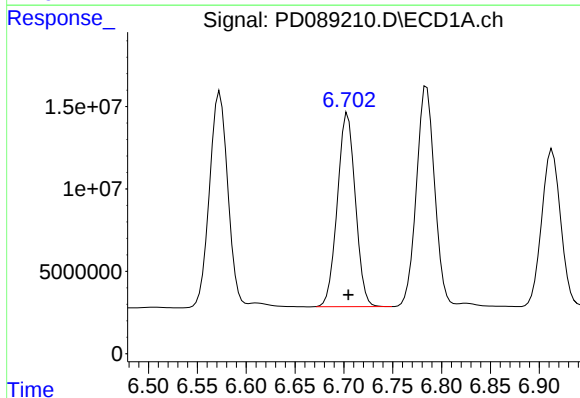
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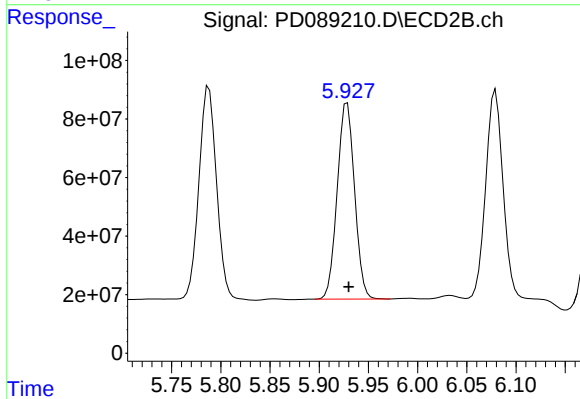
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 875544462
Conc: 43.35 ng/ml m



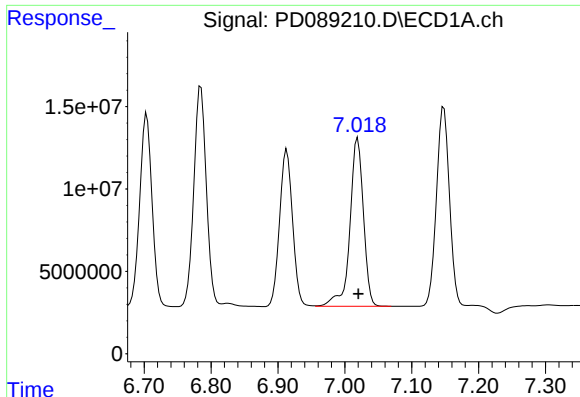
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 150814918
Conc: 43.94 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.001 min
Response: 822088073
Conc: 42.98 ng/ml



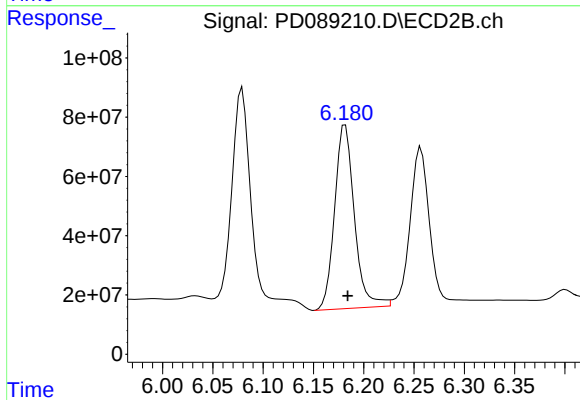
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: -0.001 min
Response: 144114200
Conc: 38.04 ng/ml

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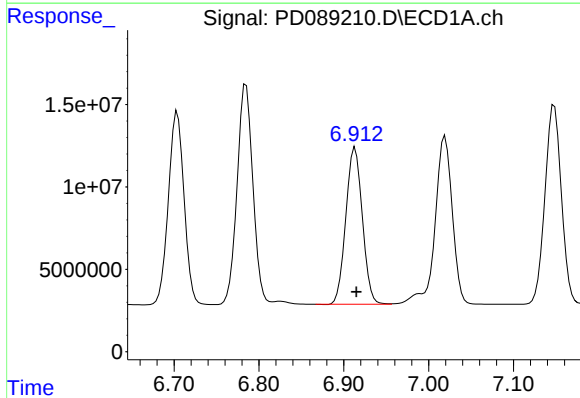
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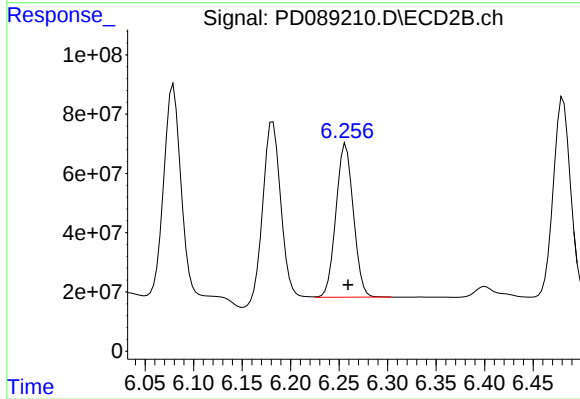
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 845240958
Conc: 41.68 ng/ml



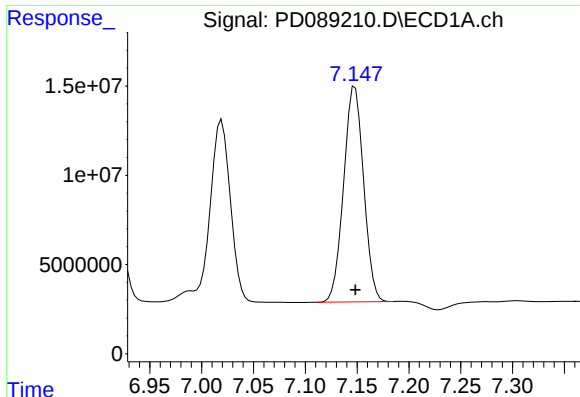
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.001 min
Response: 128554238
Conc: 41.96 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.004 min
Response: 647169211
Conc: 42.27 ng/ml m



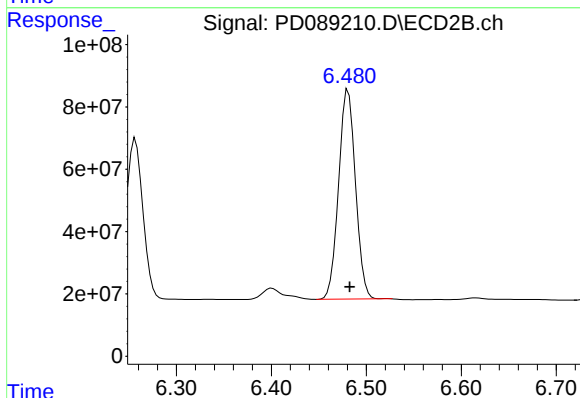
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 161840587
Conc: 42.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

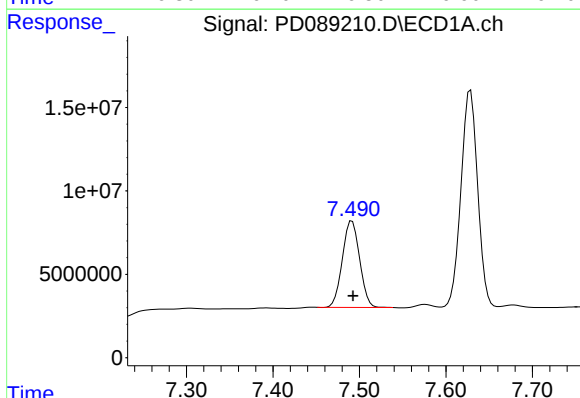
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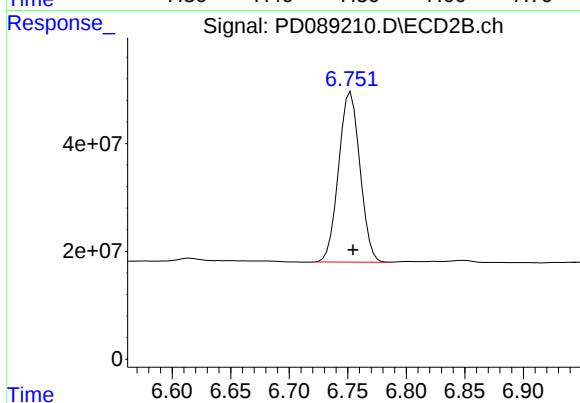
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.002 min
Response: 833050077
Conc: 42.46 ng/ml



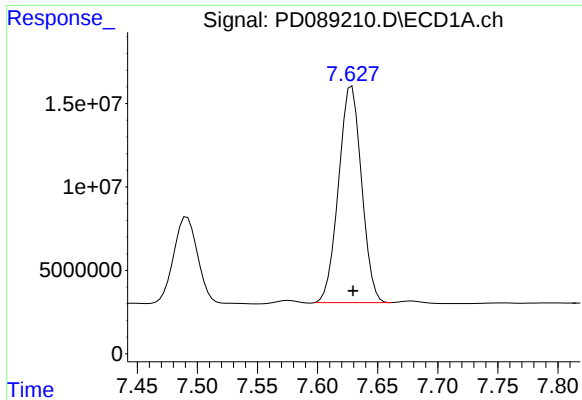
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: -0.001 min
Response: 71571787
Conc: 35.42 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 400357715
Conc: 37.18 ng/ml



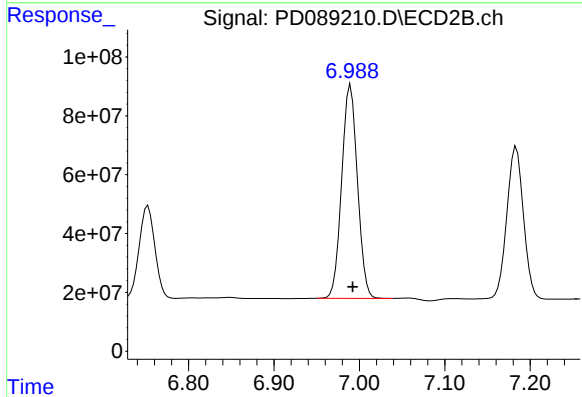
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 173112229
Conc: 42.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

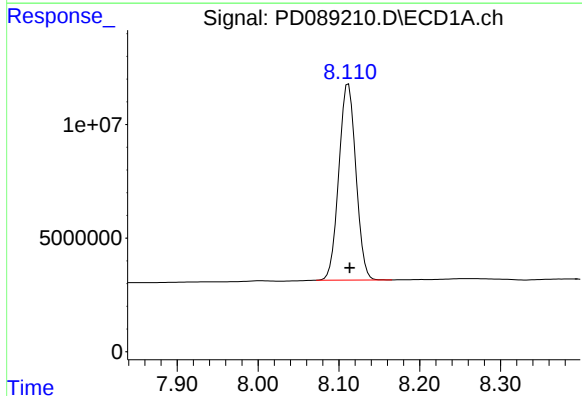
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



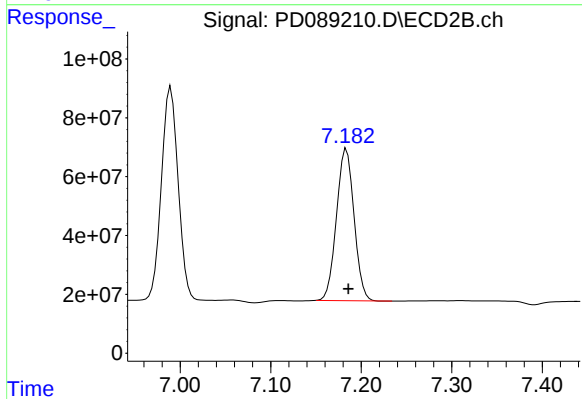
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 929873706
Conc: 43.05 ng/ml



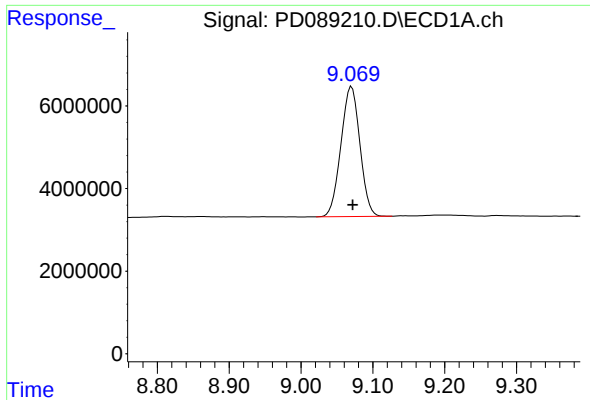
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.002 min
Response: 126455745
Conc: 41.60 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 695864913
Conc: 41.72 ng/ml



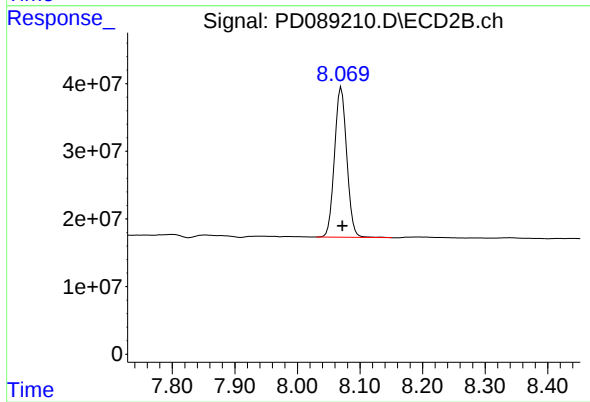
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: -0.001 min
Response: 57630323
Conc: 14.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
MH-E/FMS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/01/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 302684203
Conc: 15.31 ng/ml