

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
 Data File : PD089108.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 14:59
 Operator : AR\AJ
 Sample : PB168594BS
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB168594BS

Manual Integrations**APPROVED**

Reviewed By :Abdul Mirza 06/25/2025

Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 25 01:53:44 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	2.880	60124516	376.6E6	21.073	22.216
28)	SA Decachlor...	9.072	8.071	92209654	446.4E6	23.477	22.578
Target Compounds							
2)	A alpha-BHC	3.999	3.392	277.9E6	1266.8E6	47.672	47.274
3)	MA gamma-BHC...	4.330	3.729	263.9E6	1168.1E6	47.274	47.184
4)	MA Heptachlor	4.929	4.082	255.2E6	1143.8E6	46.816	45.683
5)	MB Aldrin	5.271	4.368	255.3E6	1145.8E6	48.050	47.315
6)	B beta-BHC	4.516	4.024	101.1E6	501.4E6	45.823	46.658
7)	B delta-BHC	4.764	4.261	258.4E6	1175.0E6	50.349	47.238
8)	B Heptachlo...	5.691	4.872	227.8E6	1030.3E6	47.226	47.048
9)	A Endosulfan I	6.075	5.246	215.7E6	991.3E6	47.851	47.564
10)	B gamma-Chl...	5.946	5.125	230.3E6	1125.1E6	48.102	47.030
11)	B alpha-Chl...	6.027	5.190	230.2E6	1071.0E6	47.573	46.774
12)	B 4,4'-DDE	6.196	5.374	216.4E6	1075.6E6	49.622	46.935
13)	MA Dieldrin	6.347	5.512	231.2E6	1091.9E6	48.202	47.049
14)	MA Endrin	6.574	5.787	189.2E6	963.6E6	45.851	44.376m
15)	B Endosulfa...	6.786	6.079	186.6E6	948.7E6	46.226	46.971
16)	A 4,4'-DDD	6.705	5.928	167.9E6	916.3E6	48.922	47.901
17)	MA 4,4'-DDT	7.021	6.182	169.8E6	891.0E6	44.818	43.935
18)	B Endrin al...	6.915	6.257	143.3E6	704.4E6	46.769	46.004
19)	B Endosulfa...	7.149	6.481	182.1E6	916.7E6	47.447	46.721
20)	A Methoxychlor	7.493	6.753	84970661	457.3E6	42.052	42.470
21)	B Endrin ke...	7.630	6.990	196.5E6	1026.0E6	48.236	47.496
22)	Mirex	8.114	7.184	138.8E6	759.3E6	45.653	45.526

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

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Data File : PD089108.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 14:59
Operator : AR\AJ
Sample : PB168594BS
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

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Manual Integrations

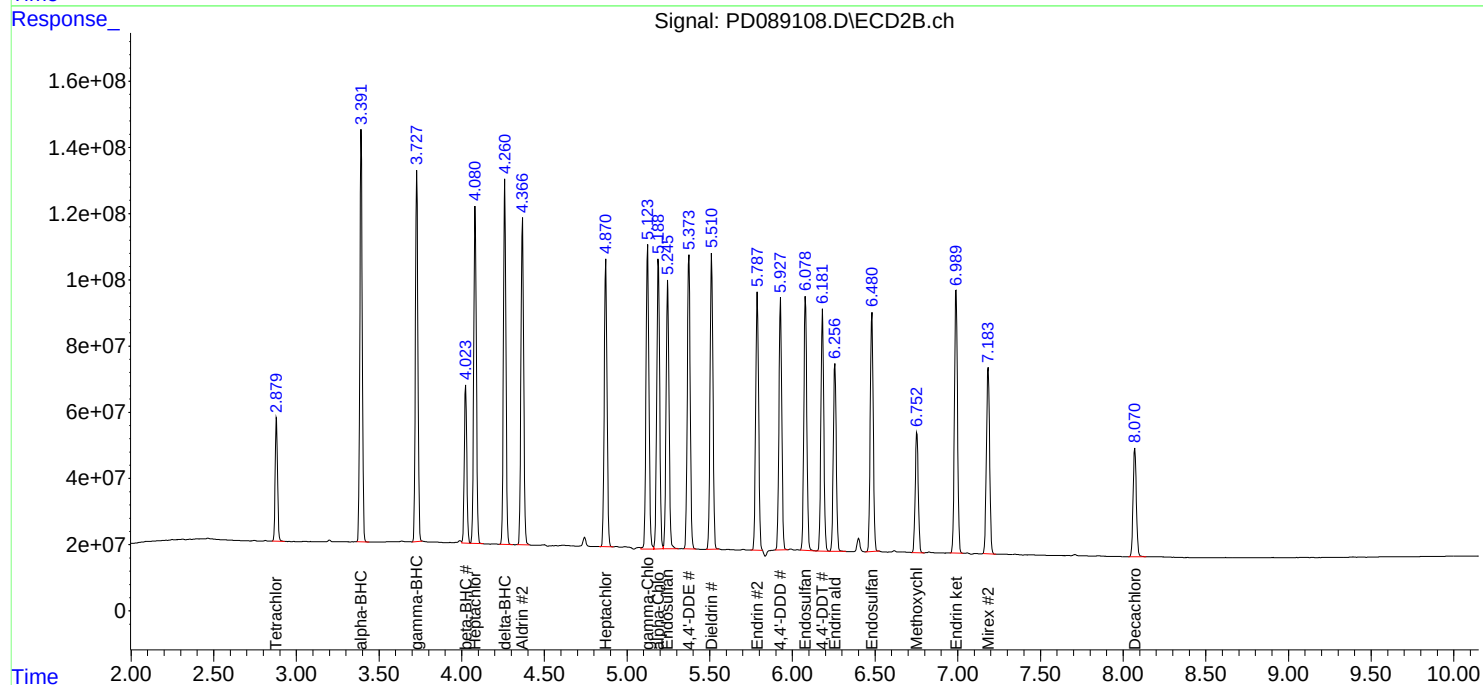
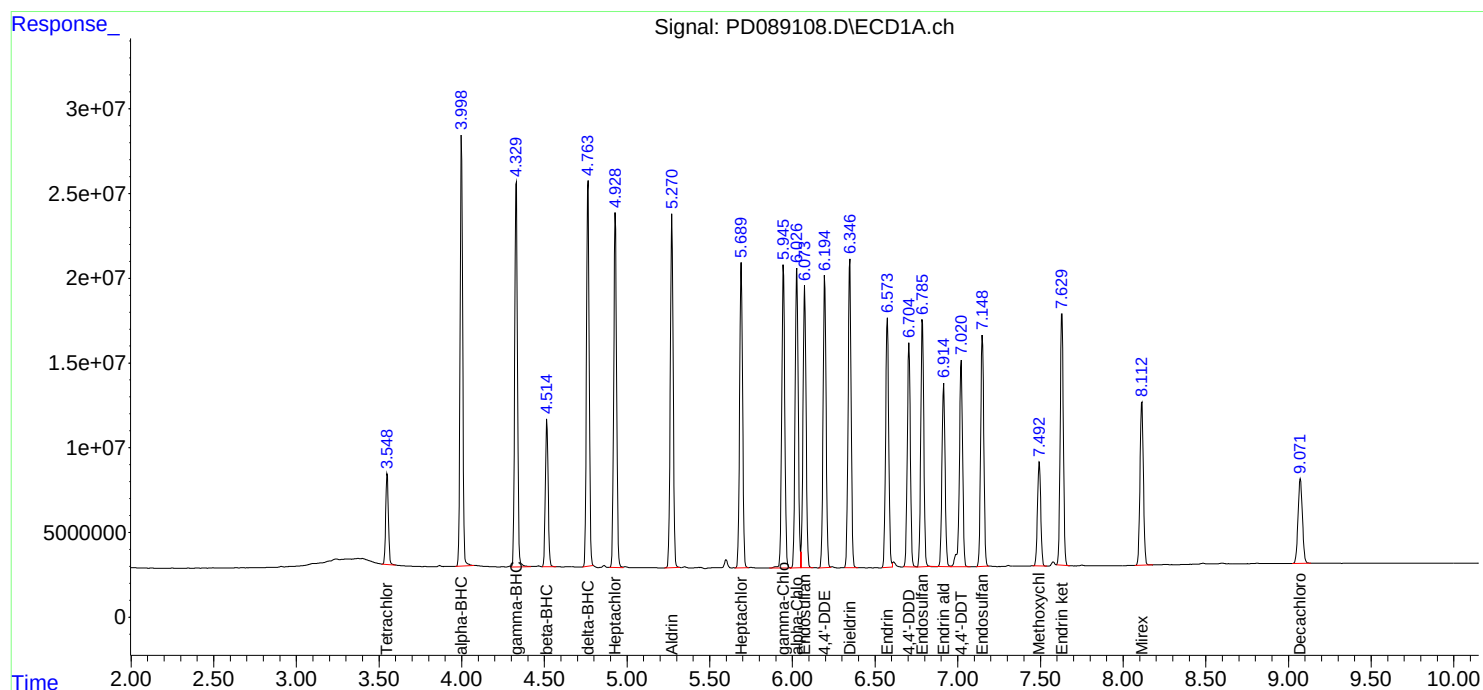
APPROVED

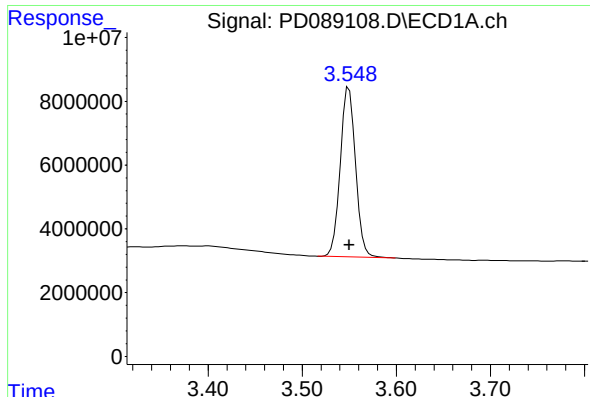
Reviewed By :Abdul Mirza 06/25/2025

Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 01:53:44 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





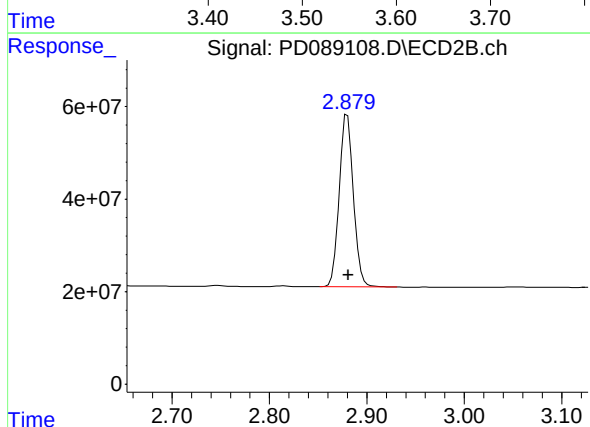
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 60124516
Conc: 21.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

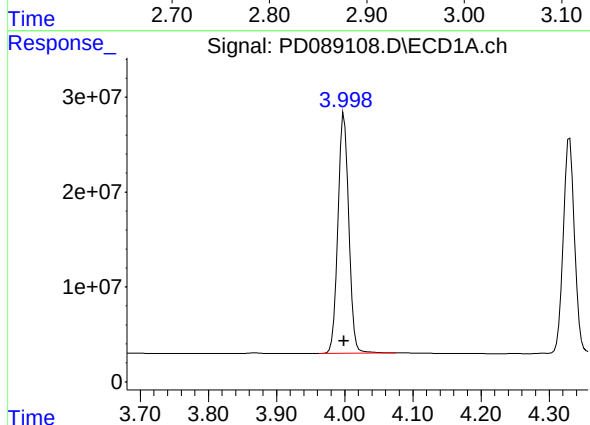
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Supervised By :mohammad ahmed 06/26/2025



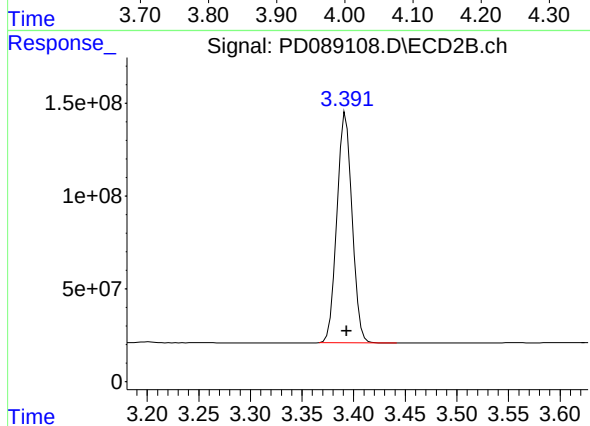
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 376624777
Conc: 22.22 ng/ml



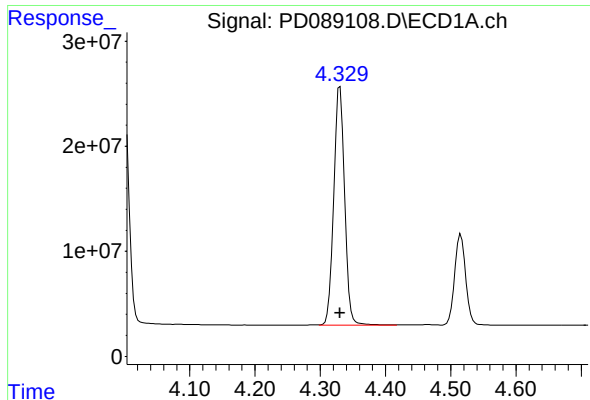
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 277882493
Conc: 47.67 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: 0.000 min
Response: 1266818404
Conc: 47.27 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 263870787
Conc: 47.27 ng/ml

Instrument :

ECD_D

ClientSampleId :

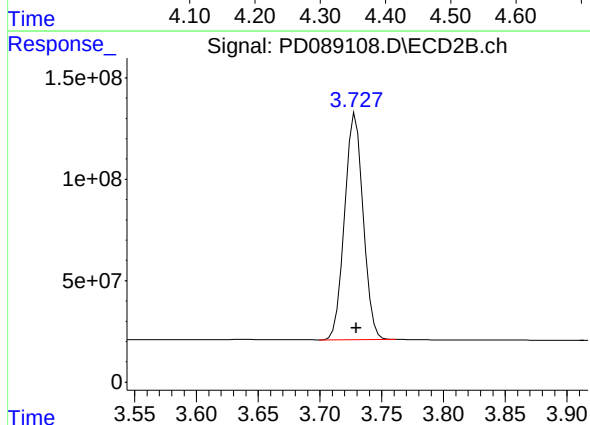
PB168594BS

Manual Integrations

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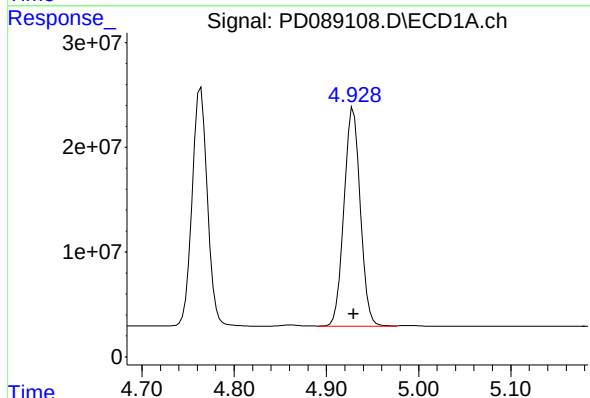
Reviewed By :Abdul Mirza 06/25/2025

Supervised By :mohammad ahmed 06/26/2025



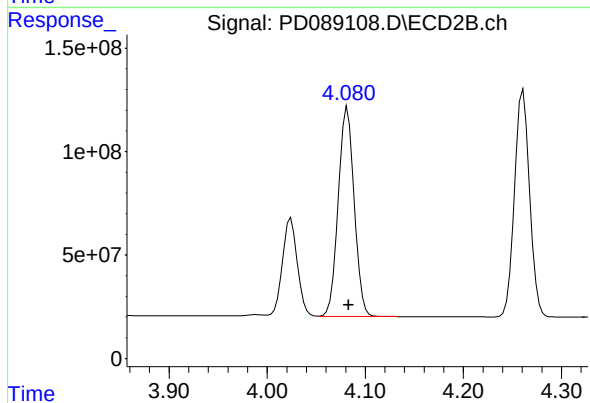
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1168123015
Conc: 47.18 ng/ml



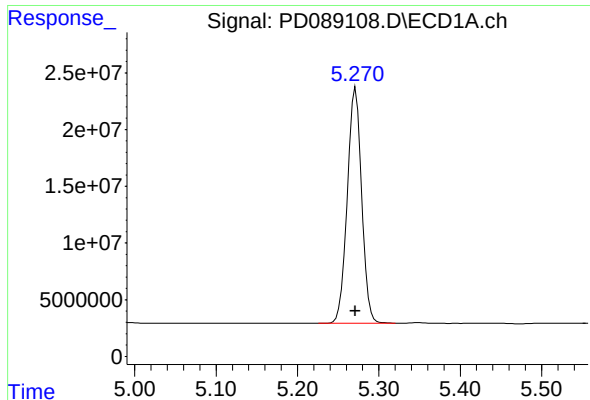
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 255240737
Conc: 46.82 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1143834197
Conc: 45.68 ng/ml



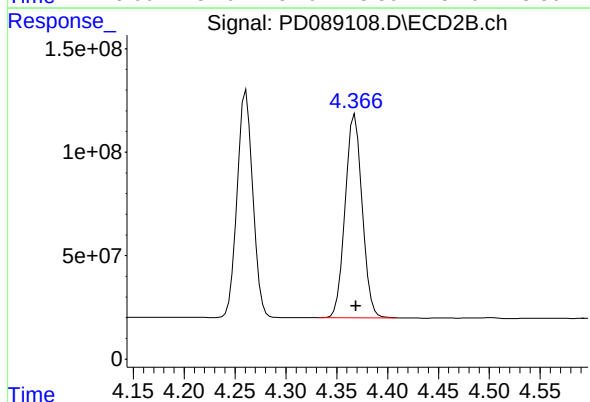
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 255287556
Conc: 48.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

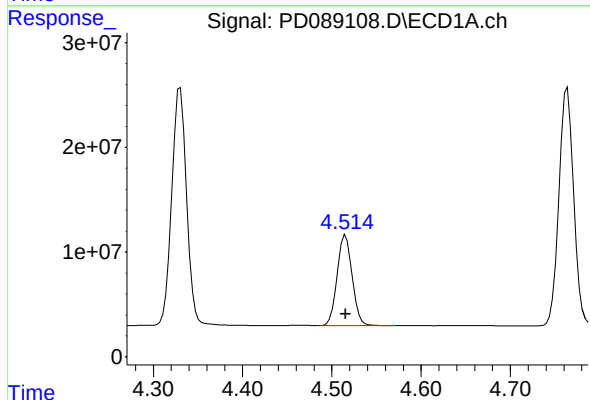
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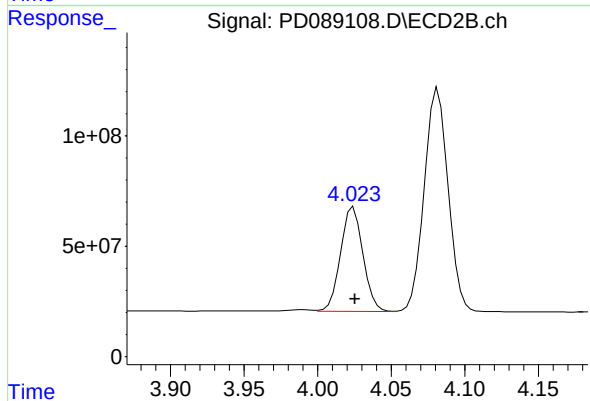
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1145831541
Conc: 47.31 ng/ml



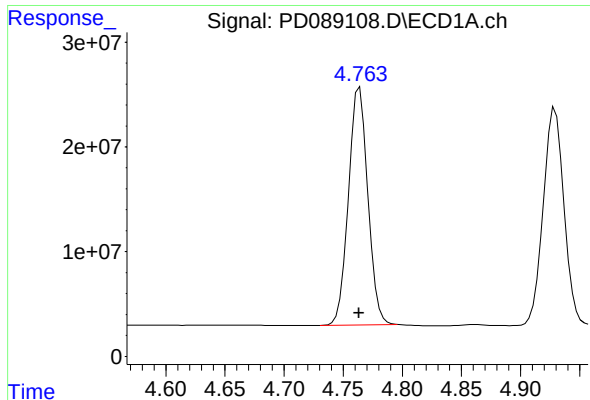
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 101136627
Conc: 45.82 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 501401415
Conc: 46.66 ng/ml



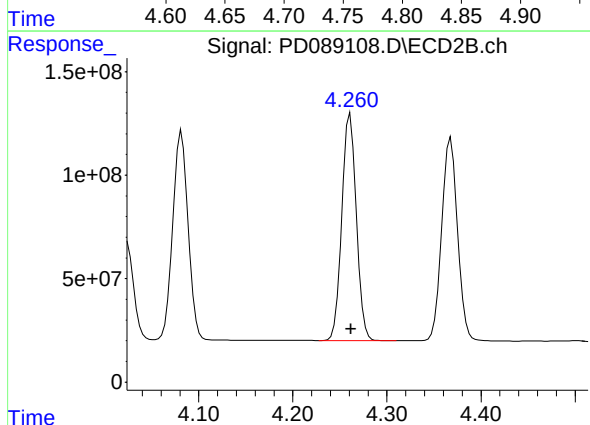
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 258434142
Conc: 50.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

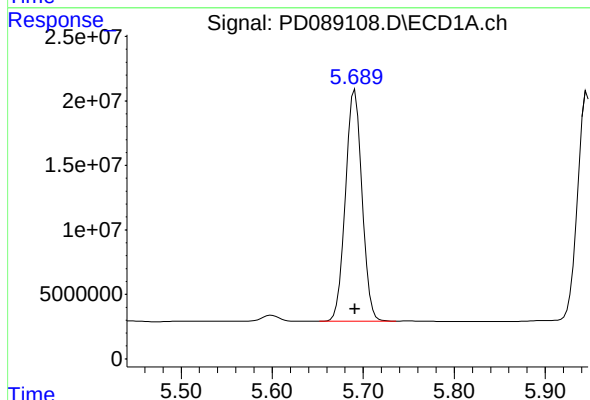
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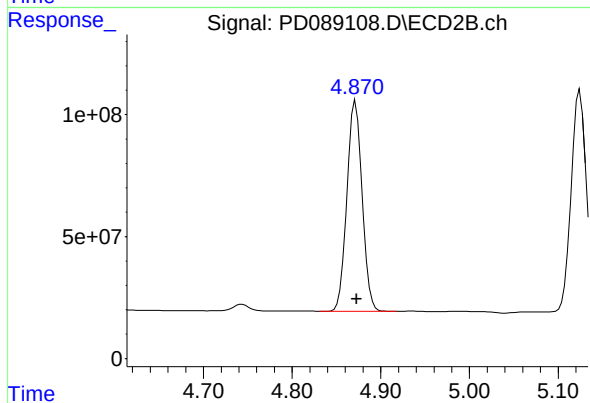
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 1174976506
Conc: 47.24 ng/ml



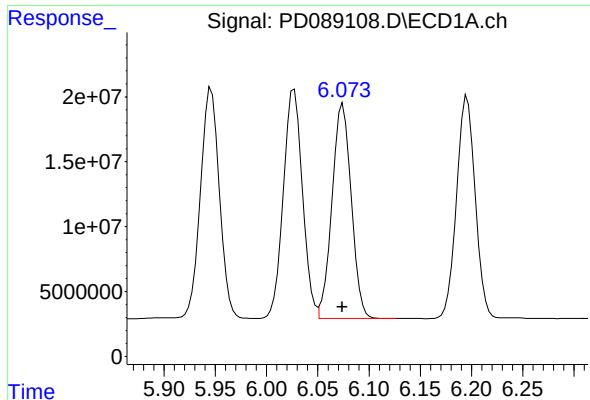
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 227813309
Conc: 47.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: -0.001 min
Response: 1030266976
Conc: 47.05 ng/ml



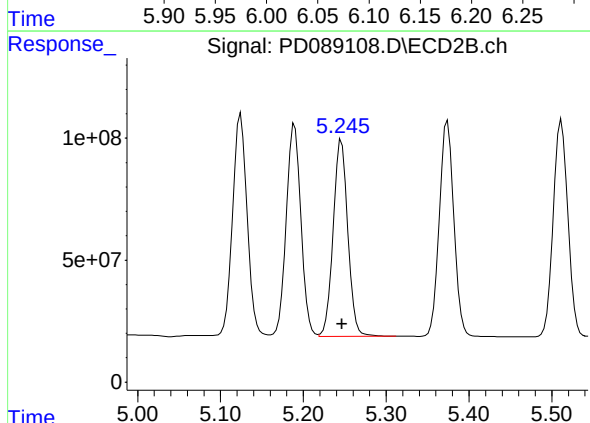
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 215683930
Conc: 47.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

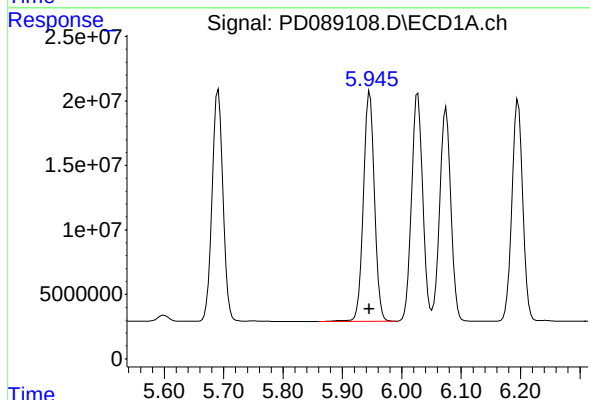
Manual Integrations
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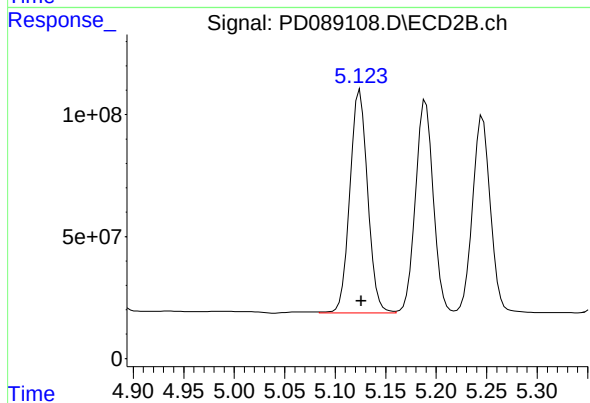
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 991346530
Conc: 47.56 ng/ml



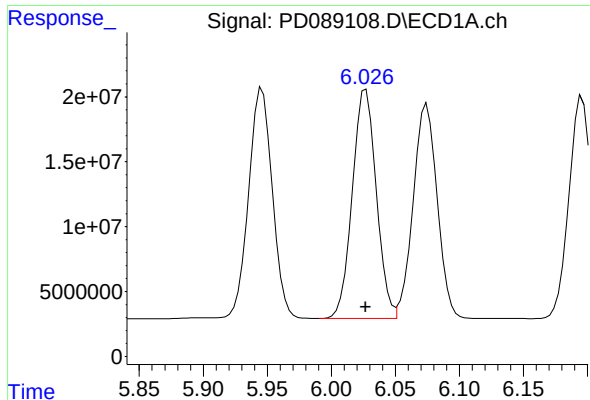
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 230317172
Conc: 48.10 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: -0.001 min
Response: 1125077374
Conc: 47.03 ng/ml



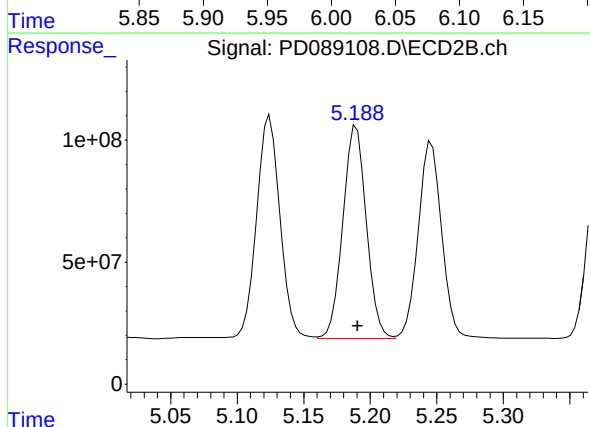
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 230184713
Conc: 47.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

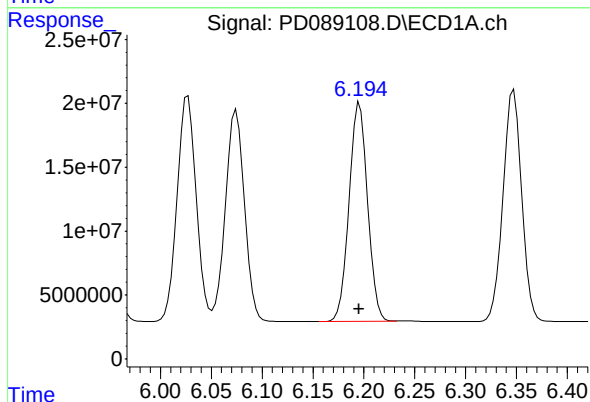
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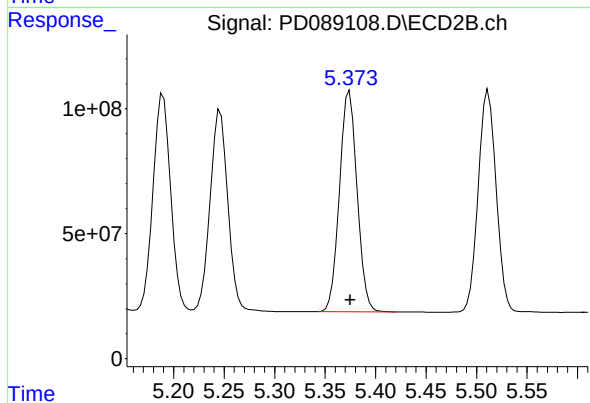
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.001 min
Response: 1070976151
Conc: 46.77 ng/ml



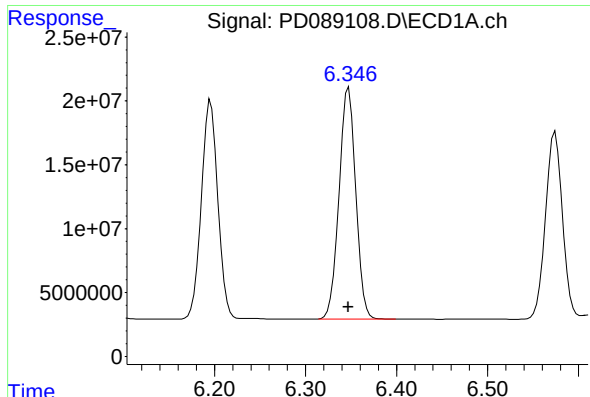
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 216404641
Conc: 49.62 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 1075571270
Conc: 46.94 ng/ml



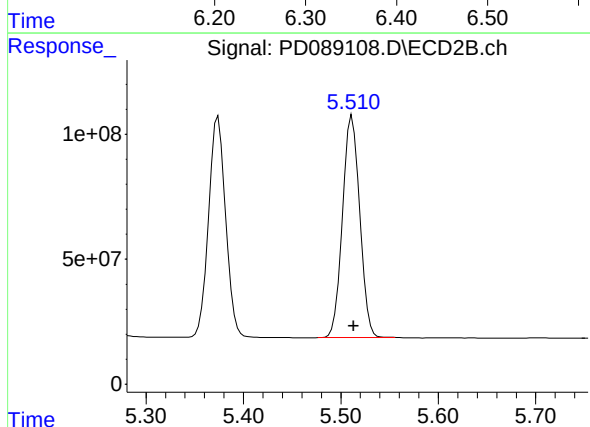
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 231245112
Conc: 48.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

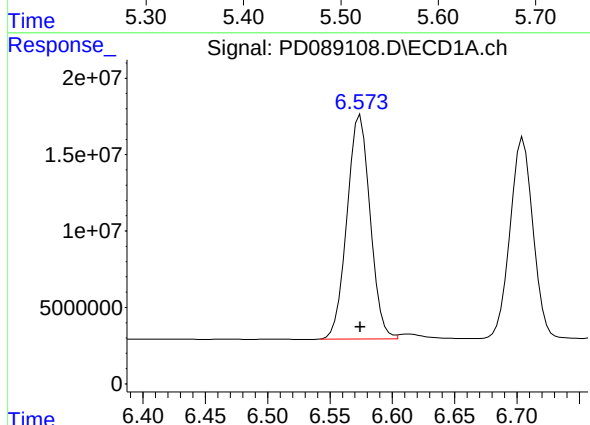
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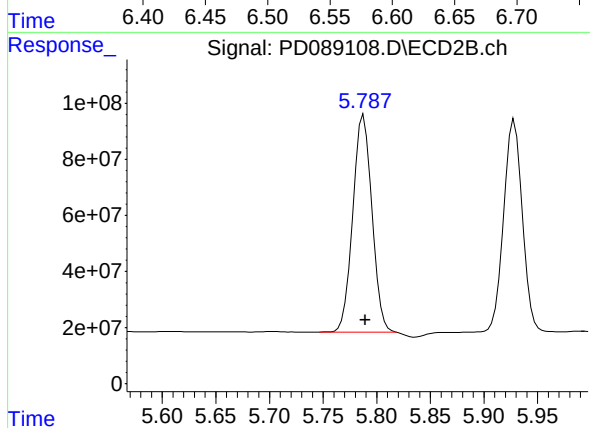
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.001 min
Response: 1091937465
Conc: 47.05 ng/ml



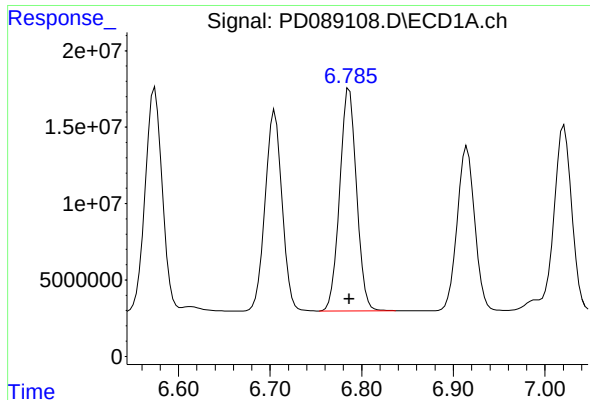
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 189160801
Conc: 45.85 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.003 min
Response: 963583264
Conc: 44.38 ng/ml m



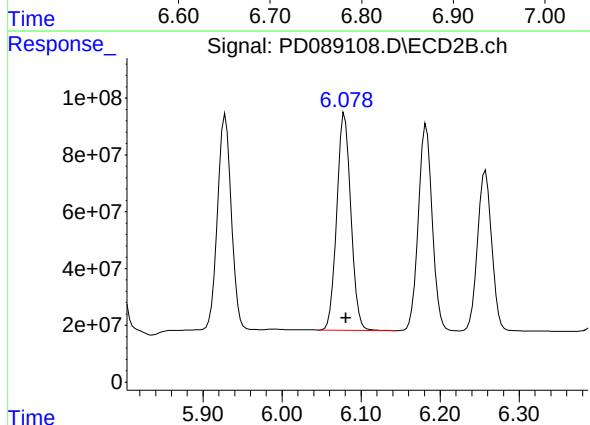
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 186594087
Conc: 46.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

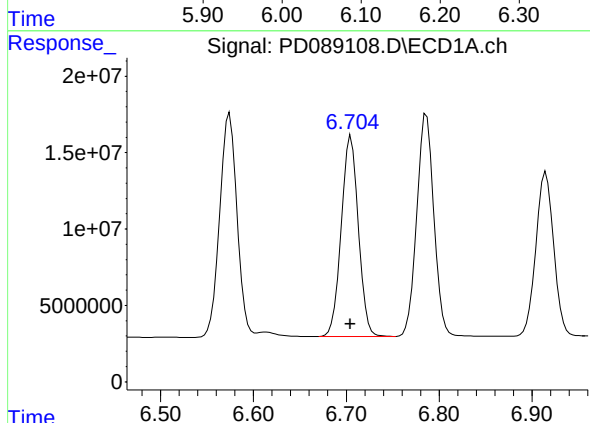
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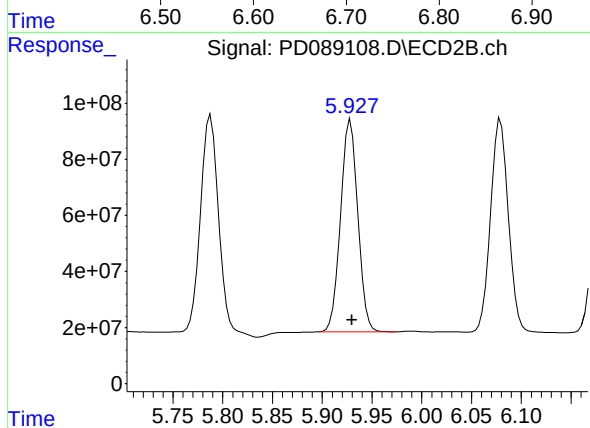
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 948658221
Conc: 46.97 ng/ml



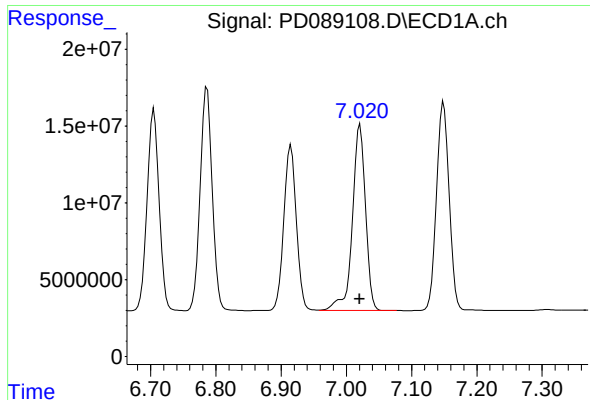
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 167902171
Conc: 48.92 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.001 min
Response: 916324458
Conc: 47.90 ng/ml



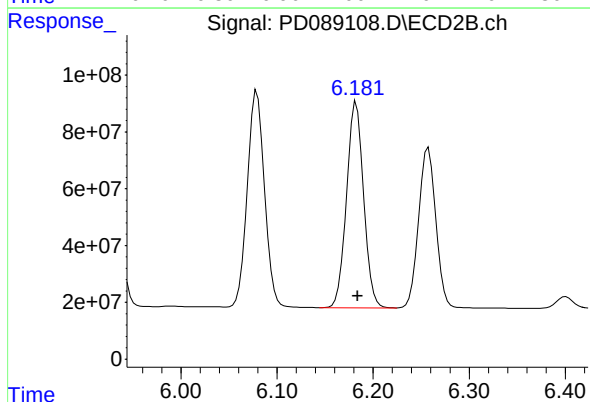
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 169779838
Conc: 44.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

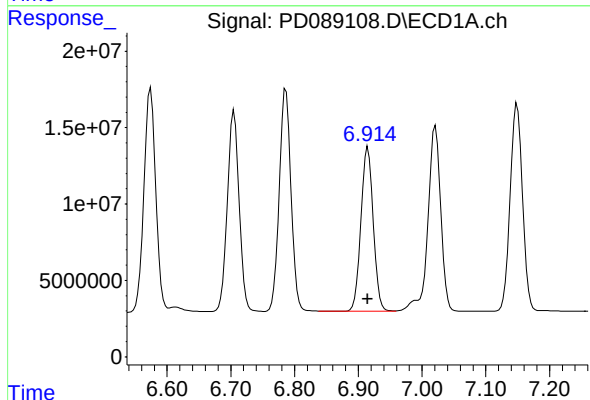
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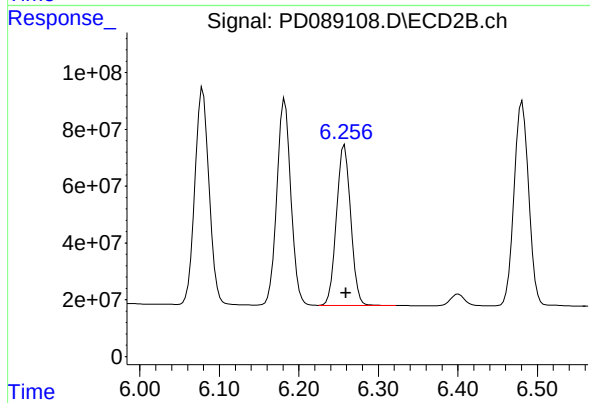
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 890976141
Conc: 43.94 ng/ml



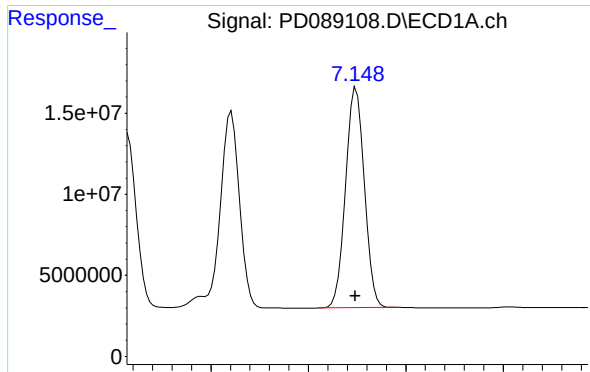
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 143296893
Conc: 46.77 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 704387218
Conc: 46.00 ng/ml



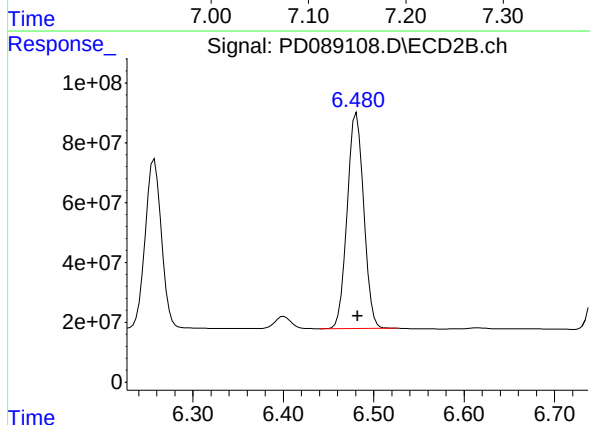
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 182063460
Conc: 47.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

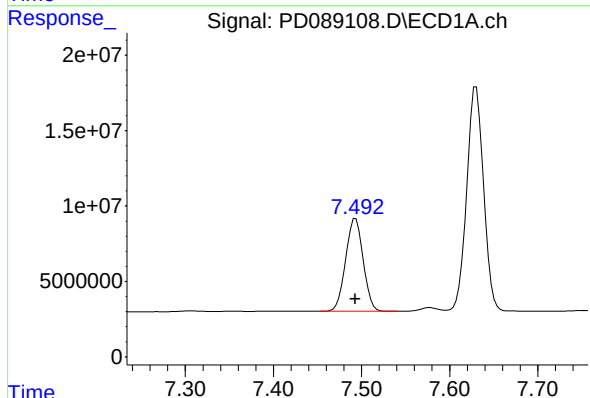
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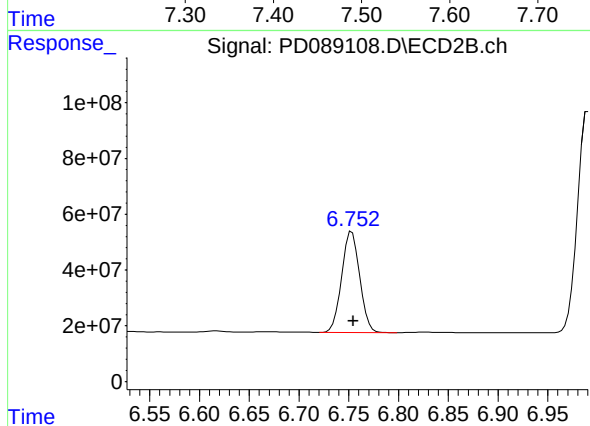
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 916716295
Conc: 46.72 ng/ml



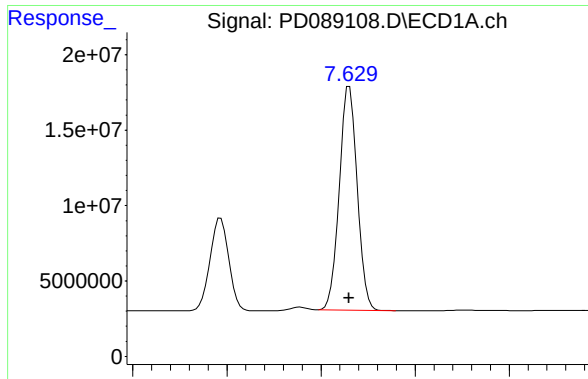
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 84970661
Conc: 42.05 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 457317908
Conc: 42.47 ng/ml



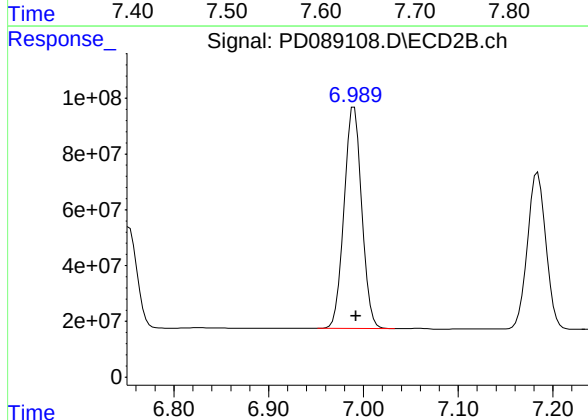
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 196468880
Conc: 48.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BS

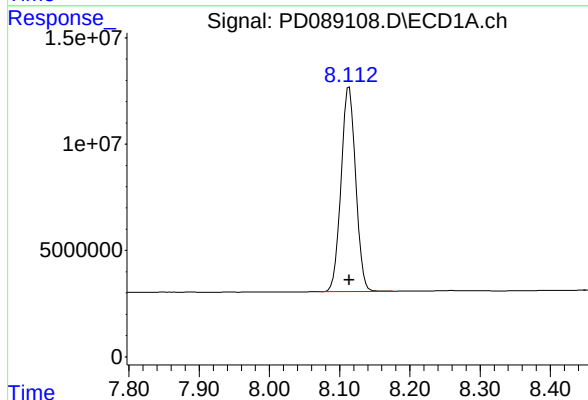
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APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



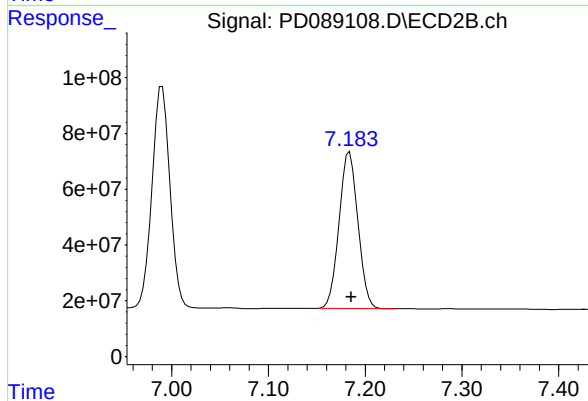
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 1025991465
Conc: 47.50 ng/ml



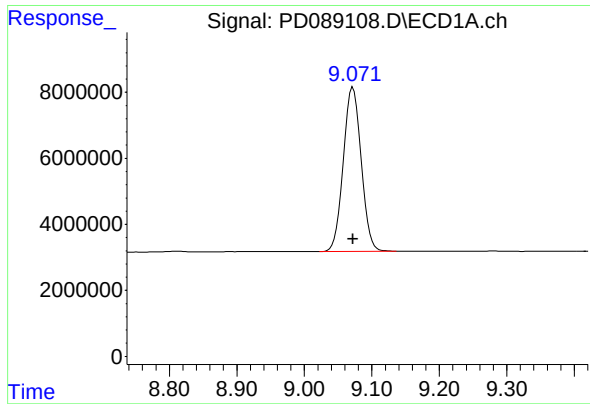
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 138790775
Conc: 45.65 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 759285275
Conc: 45.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 92209654
Conc: 23.48 ng/ml

Instrument :

ECD_D

ClientSampleId :

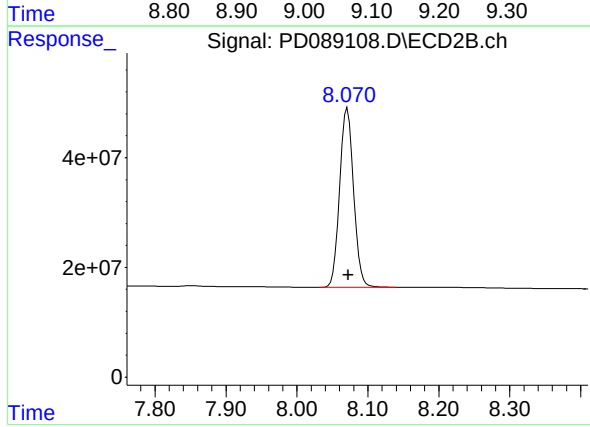
PB168594BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 446359445
Conc: 22.58 ng/ml