

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062325\
 Data File : PD089086.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Jun 2025 15:47
 Operator : AR\AJ
 Sample : Q2388-01MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-12MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/24/2025
 Supervised By : mohammad ahmed 06/25/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 24 01:52:21 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

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.550	2.880	32533972	223.6E6	11.403	13.191m
28)	SA Decachlor...	9.072	8.072	57852726	255.4E6	14.730	12.919
Target Compounds							
2)	A alpha-BHC	4.000	3.392	198.9E6	714.3E6	34.116	26.655m
3)	MA gamma-BHC...	4.331	3.730	206.8E6	778.2E6	37.049	31.435
4)	MA Heptachlor	4.929	4.083	204.7E6	785.9E6	37.550	31.389
5)	MB Aldrin	5.271	4.369	193.1E6	822.4E6	36.343	33.959
6)	B beta-BHC	4.516	4.024	71110811	360.7E6	32.219	33.568m
7)	B delta-BHC	4.764	4.263	199.4E6	801.2E6	38.850	32.213
8)	B Heptachlo...	5.690	4.871	174.7E6	810.6E6	36.208	37.019m
9)	A Endosulfan I	6.074	5.247	178.6E6	779.1E6	39.621	37.379
10)	B gamma-Chl...	5.946	5.124	184.4E6	865.5E6	38.511	36.180m
11)	B alpha-Chl...	6.027	5.189	185.5E6	801.5E6	38.332	35.005m
12)	B 4,4'-DDE	6.195	5.375	162.1E6	767.1E6	37.168	33.474
13)	MA Dieldrin	6.347	5.513	186.5E6	841.0E6	38.880	36.235
14)	MA Endrin	6.574	5.788	161.9E6	804.9E6	39.233	37.070m
15)	B Endosulfa...	6.786	6.081	149.5E6	795.0E6	37.037	39.365
16)	A 4,4'-DDD	6.705	5.929	134.3E6	699.6E6	39.145	36.572
17)	MA 4,4'-DDT	7.021	6.183	146.2E6	761.4E6	38.583	37.546
18)	B Endrin al...	6.913	6.258	119.2E6	581.0E6	38.915m	37.944
19)	B Endosulfa...	7.149	6.481	147.2E6	711.7E6	38.373	36.270
20)	A Methoxychlor	7.492	6.753	75637112	378.8E6	37.432	35.179
21)	B Endrin ke...	7.629	6.991	159.1E6	759.7E6	39.054	35.169
22)	Mirex	8.113	7.185	115.8E6	574.2E6	38.081	34.428

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062325\
Data File : PD089086.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 23 Jun 2025 15:47
Operator : AR\AJ
Sample : Q2388-01MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-12MSD

Manual Integrations

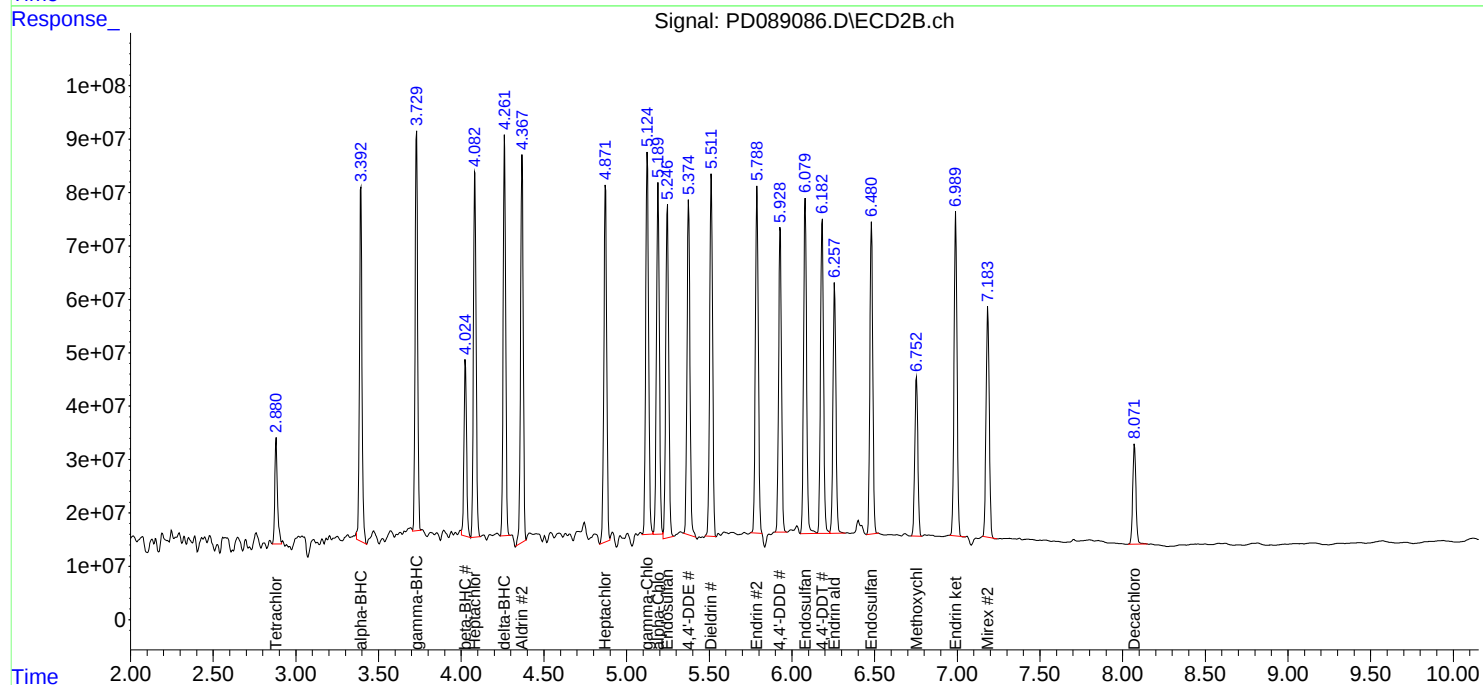
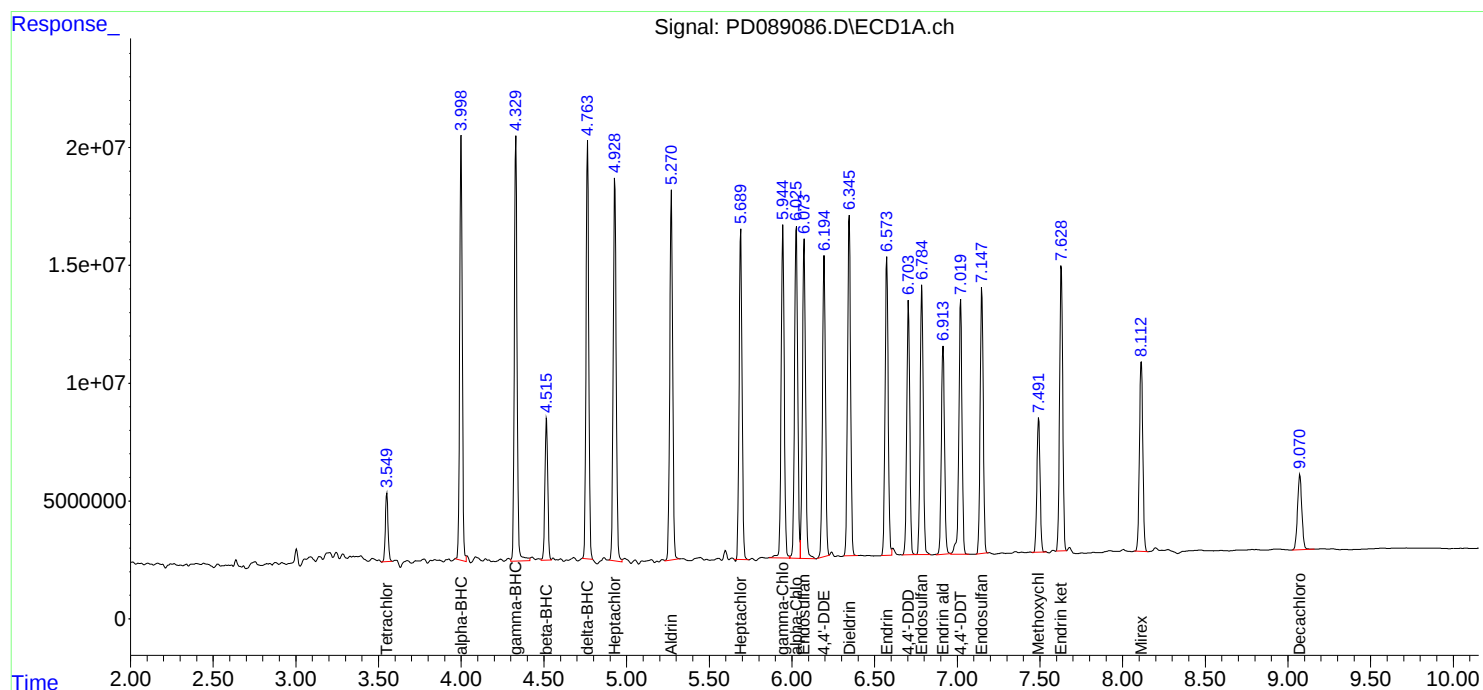
APPROVED

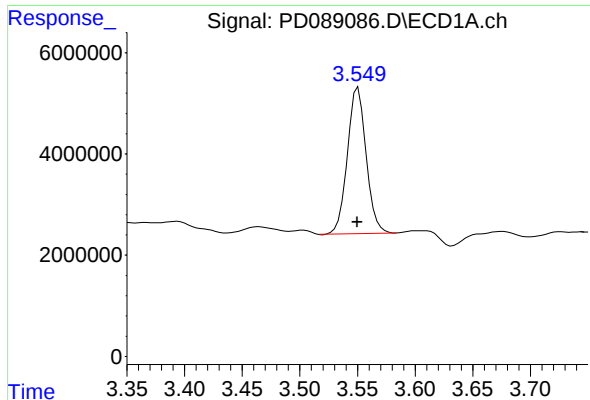
Reviewed By :Abdul Mirza 06/24/2025

Supervised By :mohammad ahmed 06/25/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 24 01:52:21 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





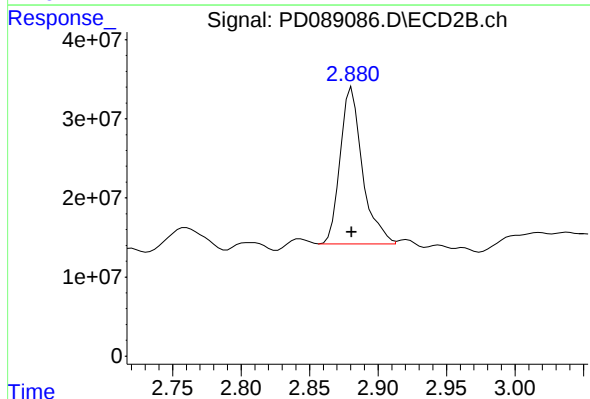
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 32533972
Conc: 11.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

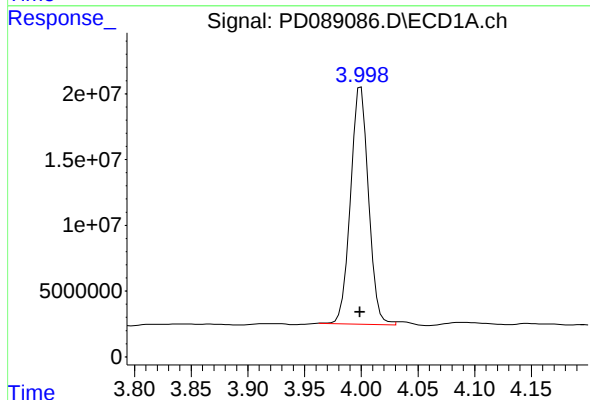
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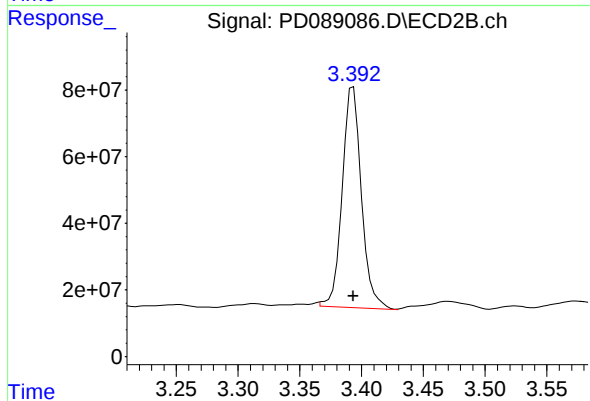
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 223630984
Conc: 13.19 ng/ml m



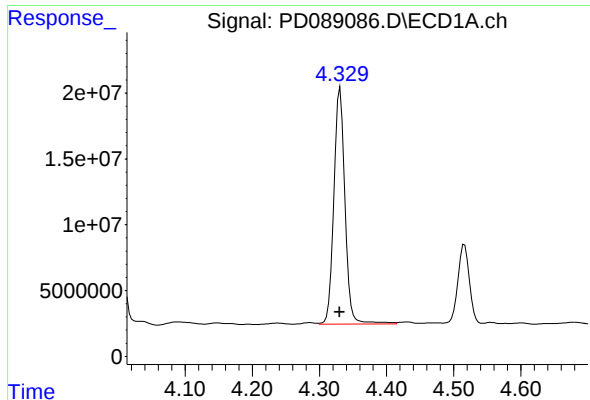
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 198864603
Conc: 34.12 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.002 min
Response: 714278864
Conc: 26.66 ng/ml m



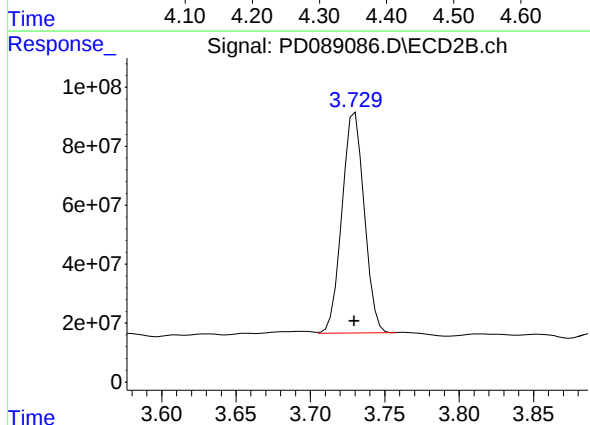
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 206793975
Conc: 37.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

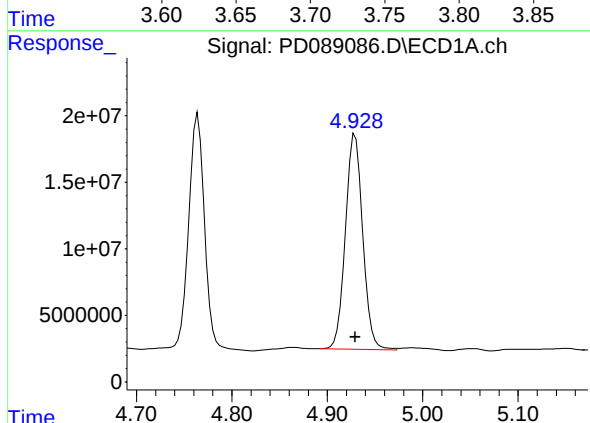
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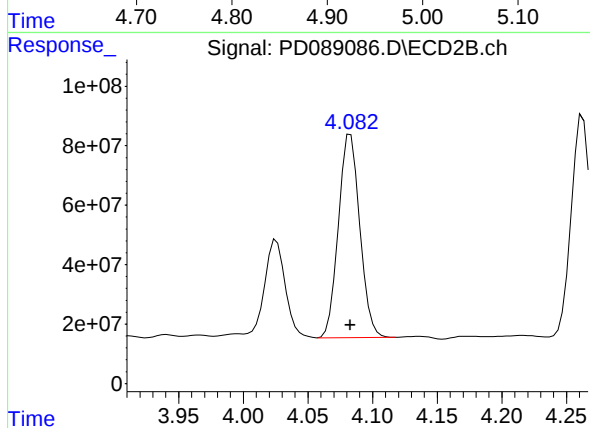
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 778239175
Conc: 31.44 ng/ml



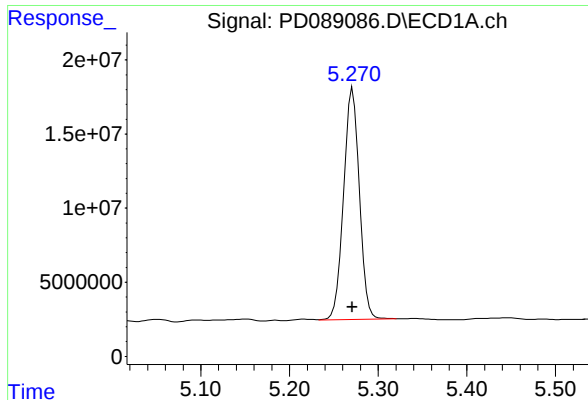
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 204722459
Conc: 37.55 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 785920626
Conc: 31.39 ng/ml



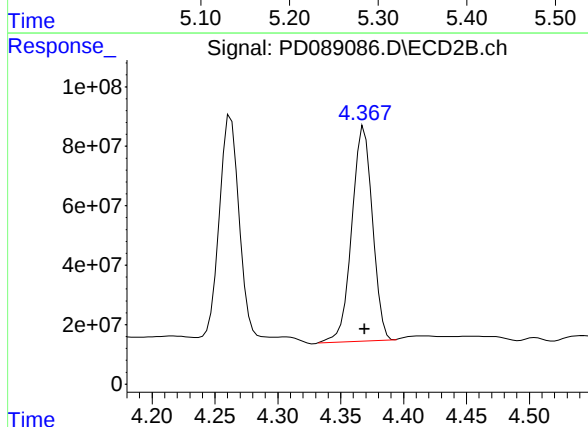
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 193090086
Conc: 36.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

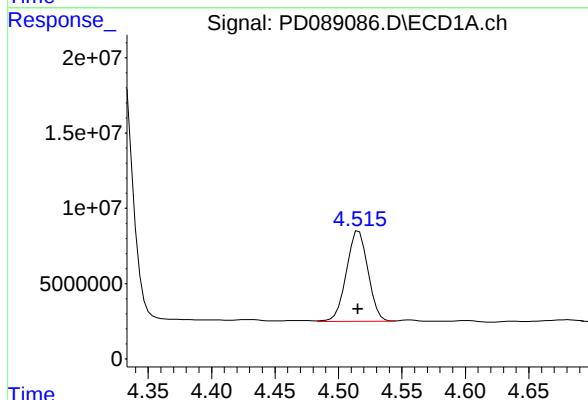
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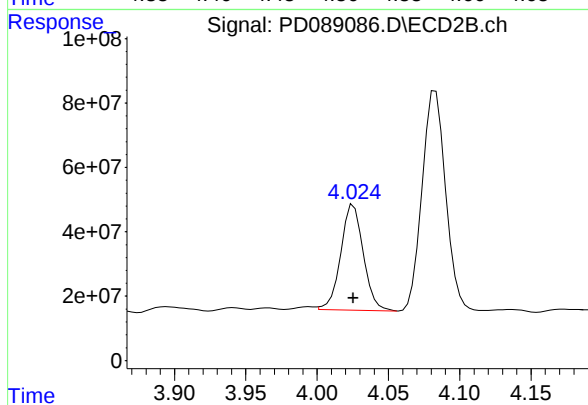
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 822389532
Conc: 33.96 ng/ml



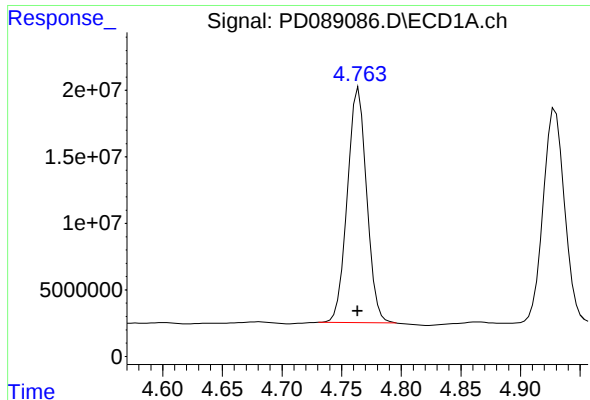
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 71110811
Conc: 32.22 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 360730916
Conc: 33.57 ng/ml m



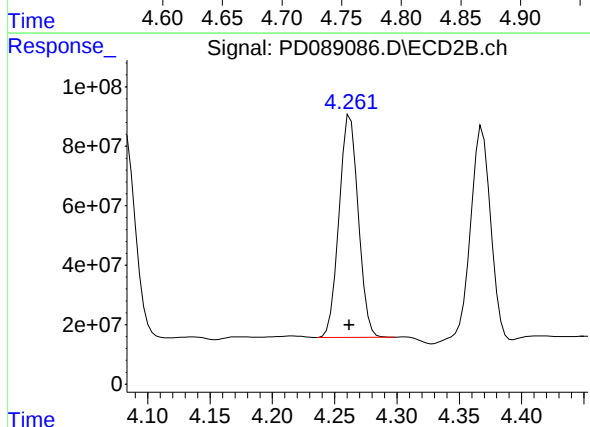
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 199410860
Conc: 38.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

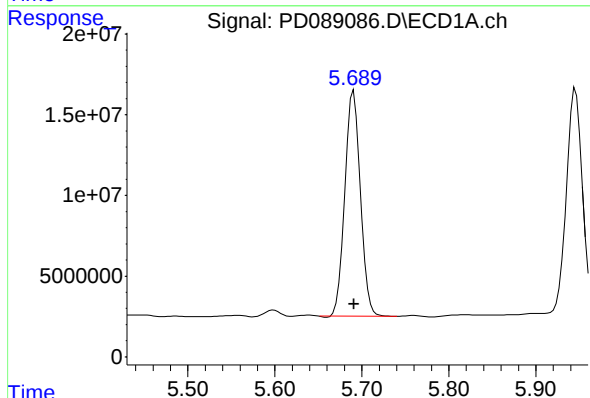
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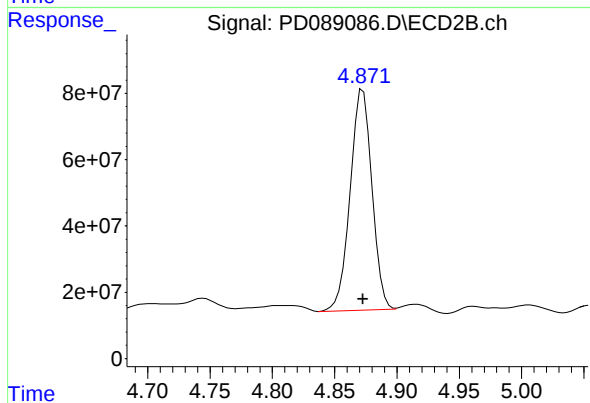
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 801248329
Conc: 32.21 ng/ml



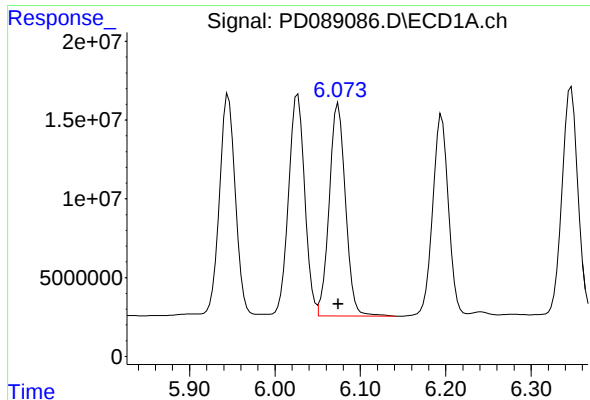
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 174667073
Conc: 36.21 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.001 min
Response: 810648365
Conc: 37.02 ng/ml m



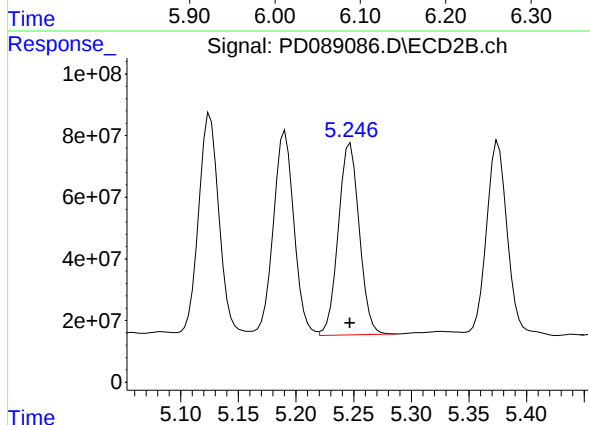
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 178589048
Conc: 39.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

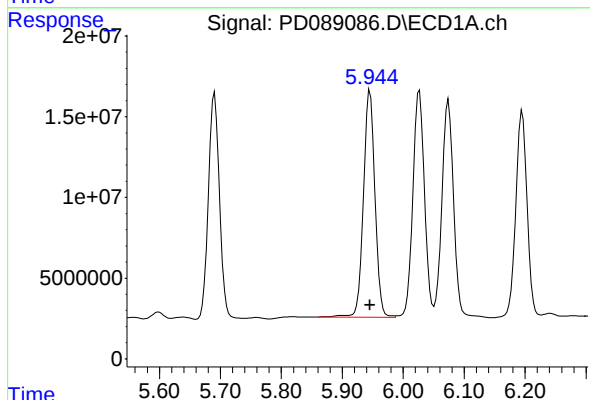
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Supervised By :mohammad ahmed 06/25/2025



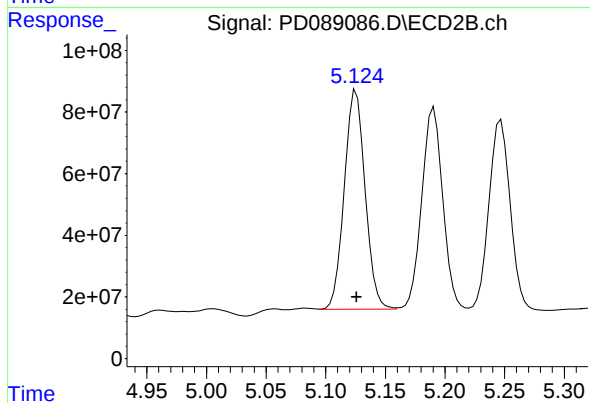
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 779066651
Conc: 37.38 ng/ml



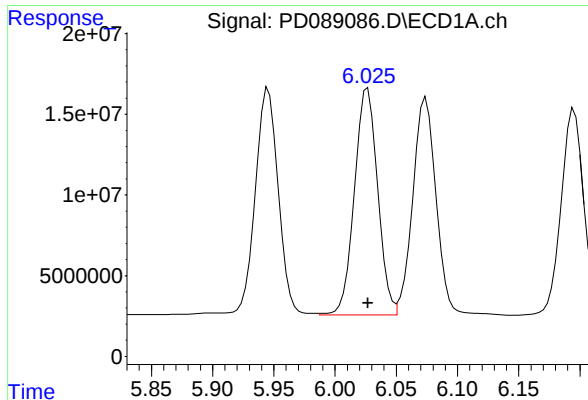
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 184392979
Conc: 38.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 865517130
Conc: 36.18 ng/ml m



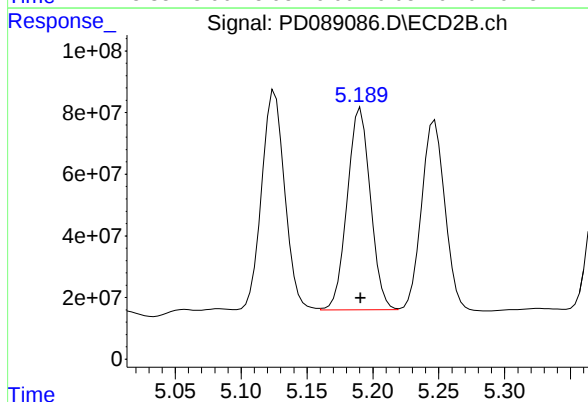
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 185469153
Conc: 38.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
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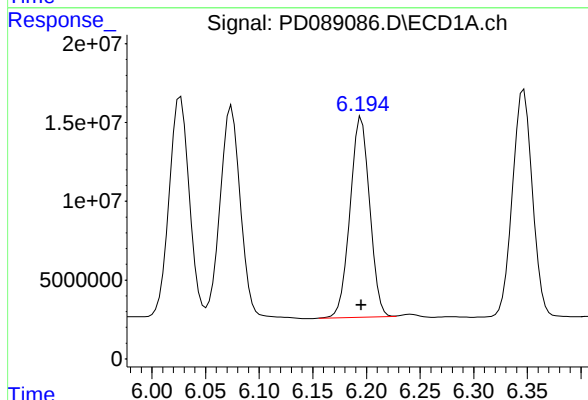
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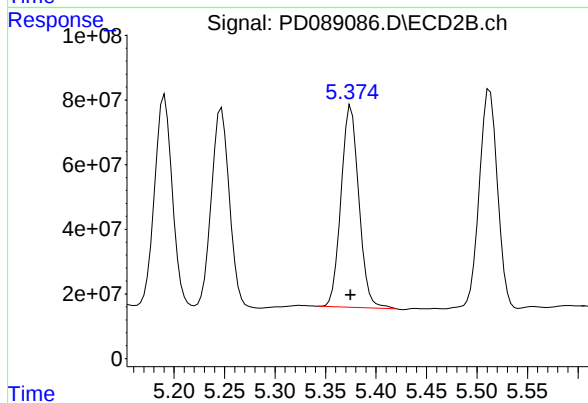
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.001 min
Response: 801511154
Conc: 35.01 ng/ml



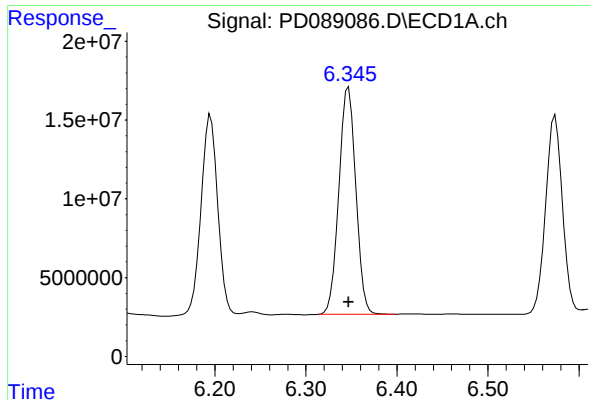
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 162090105
Conc: 37.17 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 767082628
Conc: 33.47 ng/ml



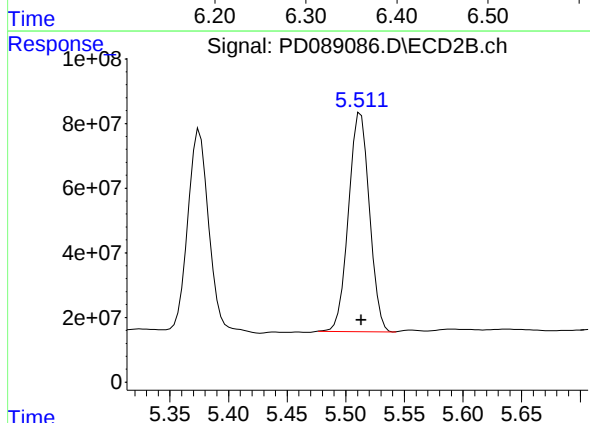
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 186523143
Conc: 38.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

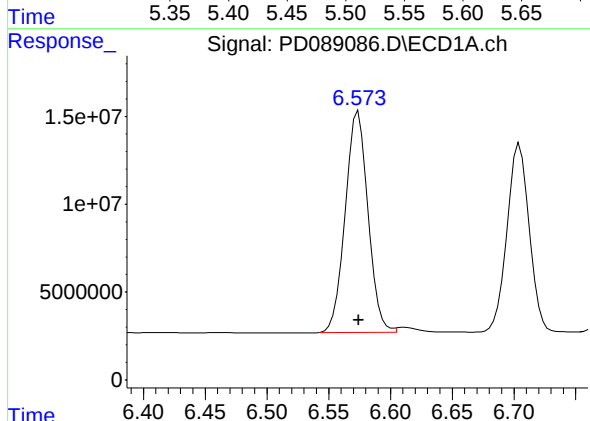
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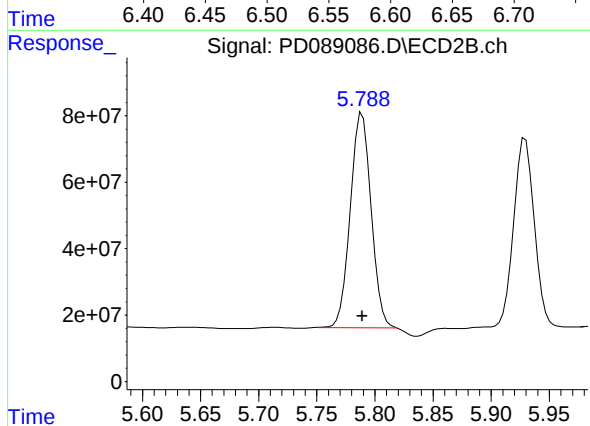
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 840964322
Conc: 36.24 ng/ml



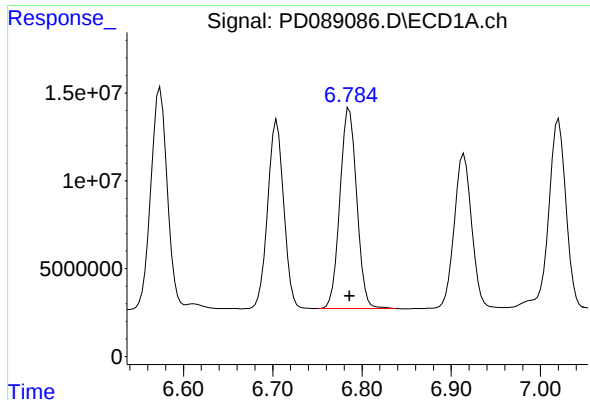
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 161858594
Conc: 39.23 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 804925233
Conc: 37.07 ng/ml m



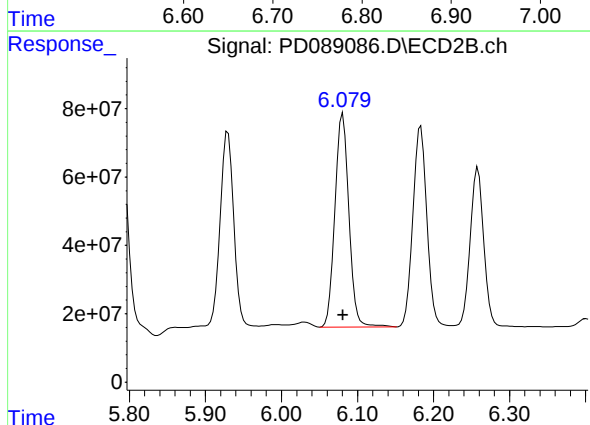
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 149503284
Conc: 37.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

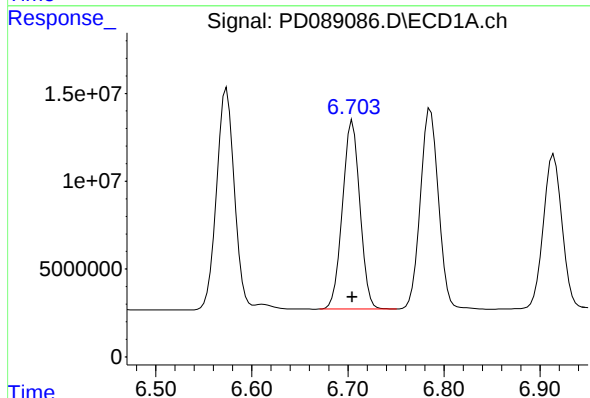
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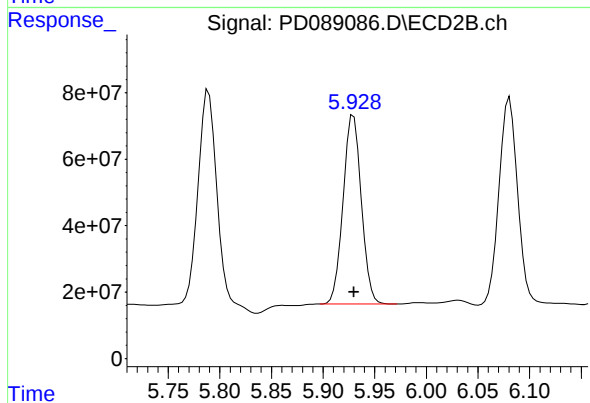
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 795049663
Conc: 39.37 ng/ml



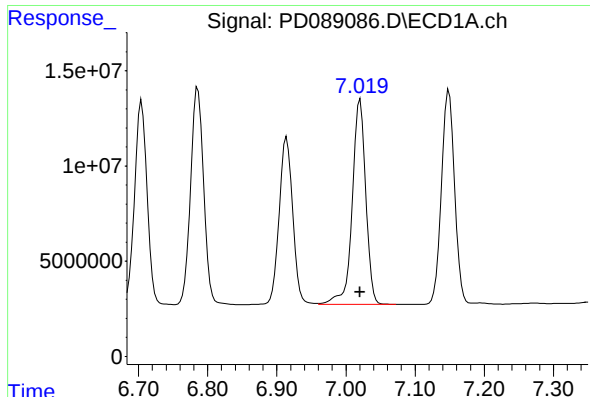
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 134346688
Conc: 39.14 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 699590856
Conc: 36.57 ng/ml



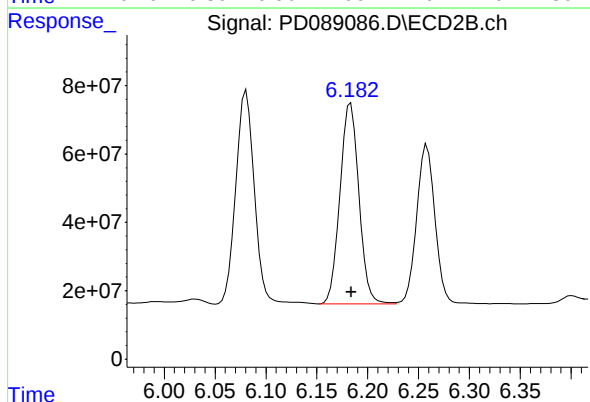
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 146161377
Conc: 38.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

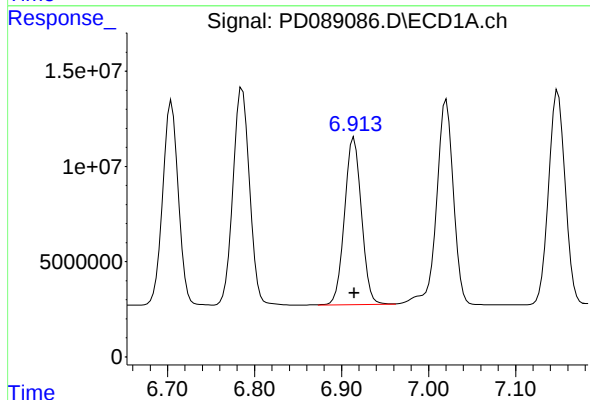
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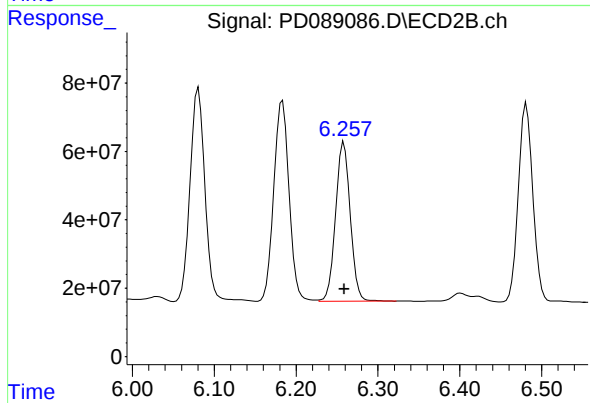
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: 0.000 min
Response: 761398684
Conc: 37.55 ng/ml



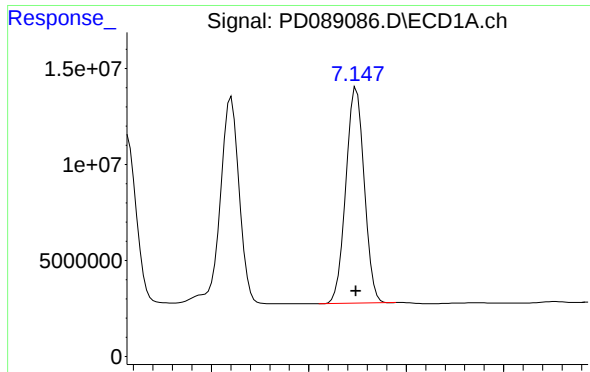
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.002 min
Response: 119233179
Conc: 38.91 ng/ml m



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.000 min
Response: 580969059
Conc: 37.94 ng/ml



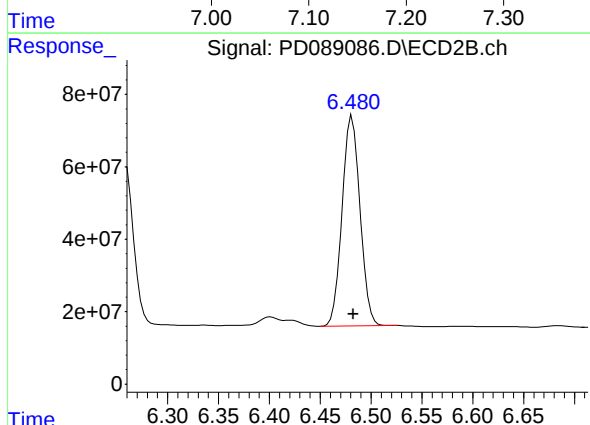
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 147246373
Conc: 38.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

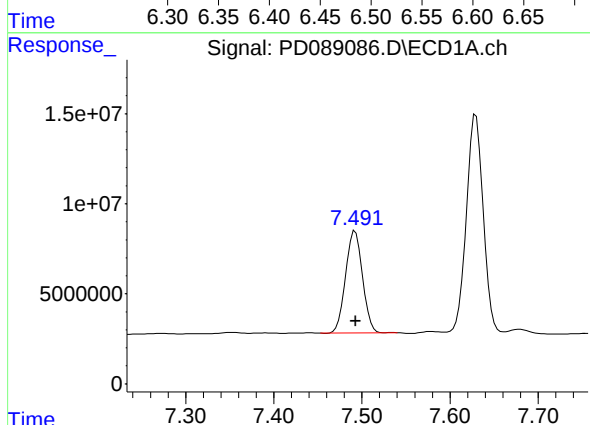
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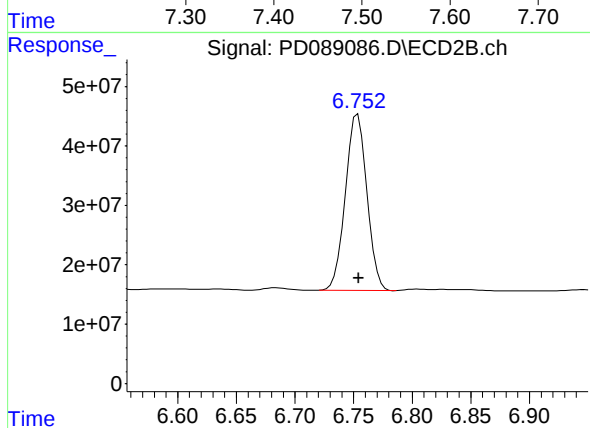
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 711650123
Conc: 36.27 ng/ml



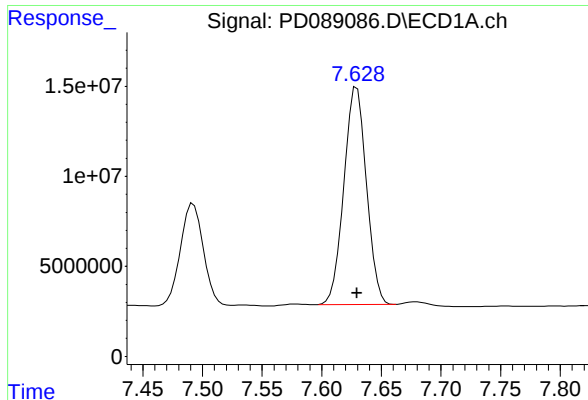
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 75637112
Conc: 37.43 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 378809433
Conc: 35.18 ng/ml



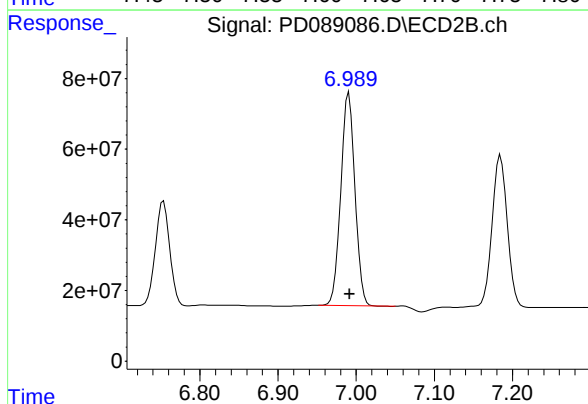
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 159068410
Conc: 39.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

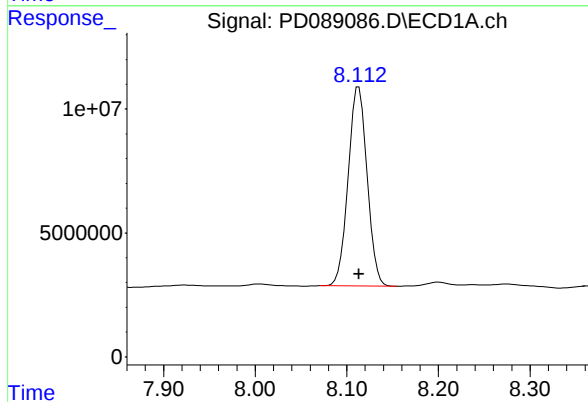
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



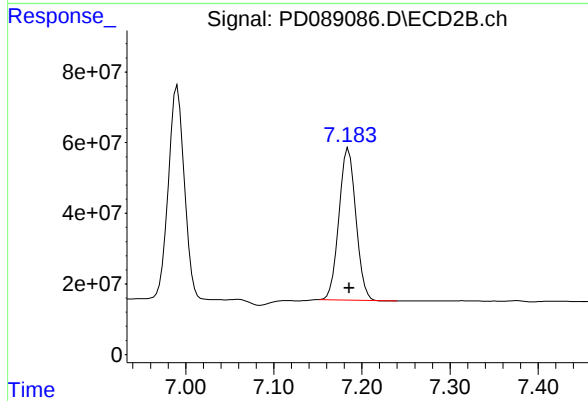
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 759719350
Conc: 35.17 ng/ml



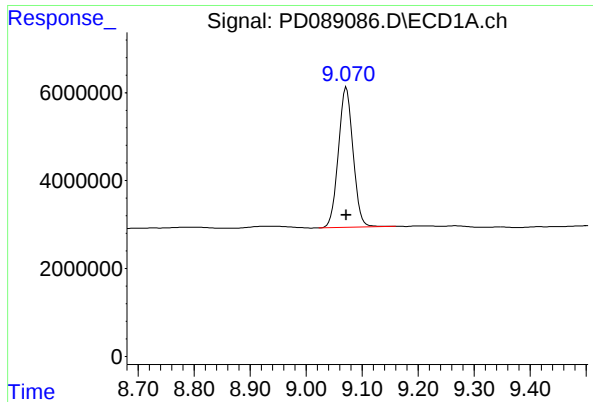
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 115772916
Conc: 38.08 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 574192065
Conc: 34.43 ng/ml



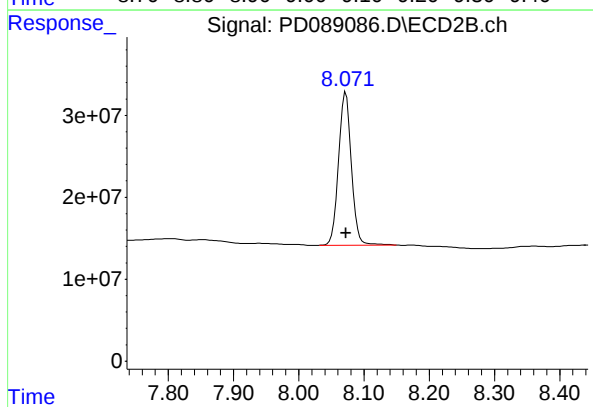
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 57852726
Conc: 14.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-12MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/24/2025
Supervised By :mohammad ahmed 06/25/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 255400230
Conc: 12.92 ng/ml