

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
 Data File : PD089103.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 13:23
 Operator : AR\AJ
 Sample : Q2126-02
 Misc : PEST LOQ 5PPB SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2025

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 01:51:58 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	2.881	45534496	294.5E6	15.959	17.369
28)	SA Decachlor...	9.072	8.072	69394224	350.4E6	17.668	17.724
Target Compounds							
2)	A alpha-BHC	3.999	3.393	21166002	125.0E6	3.631	4.665 #
3)	MA gamma-BHC...	4.328	3.730	21427844	117.3E6	3.839m	4.739
4)	MA Heptachlor	4.929	4.083	22318134	118.1E6	4.094	4.717
5)	MB Aldrin	5.270	4.369	21727697	115.2E6	4.090	4.758
6)	B beta-BHC	4.515	4.025	10330561	54911282	4.681	5.110
7)	B delta-BHC	4.762	4.262	22446182	119.2E6	4.373m	4.791
8)	B Heptachlo...	5.690	4.872	21247610	110.0E6	4.405	5.023
9)	A Endosulfan I	6.074	5.246	20188172	107.1E6	4.479	5.140
10)	B gamma-Chl...	5.945	5.124	20890410	117.9E6	4.363	4.929m
11)	B alpha-Chl...	6.026	5.188	21410894	112.5E6	4.425	4.915m
12)	B 4,4'-DDE	6.195	5.374	17936362	112.0E6	4.113	4.889
13)	MA Dieldrin	6.346	5.512	20569002	115.0E6	4.287	4.955
14)	MA Endrin	6.574	5.789	16532810	104.5E6	4.007	4.815
15)	B Endosulfa...	6.785	6.080	18731057	101.1E6	4.640	5.005
16)	A 4,4'-DDD	6.704	5.929	14505146	95747696	4.226	5.005
17)	MA 4,4'-DDT	7.020	6.183	15040996	86782837	3.970	4.279
18)	B Endrin al...	6.914	6.258	14556845	78070961	4.751	5.099
19)	B Endosulfa...	7.148	6.482	17498619	98312564	4.560	5.011
20)	A Methoxychlor	7.492	6.754	8385429	48164319	4.150	4.473
21)	B Endrin ke...	7.629	6.991	18294975	110.7E6	4.492	5.125
22)	Mirex	8.113	7.185	14859762	83963673	4.888	5.034

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
Data File : PD089103.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 13:23
Operator : AR\AJ
Sample : Q2126-02
Misc : PEST LOQ 5PPB SOIL
ALS Vial : 10 Sample Multiplier: 1

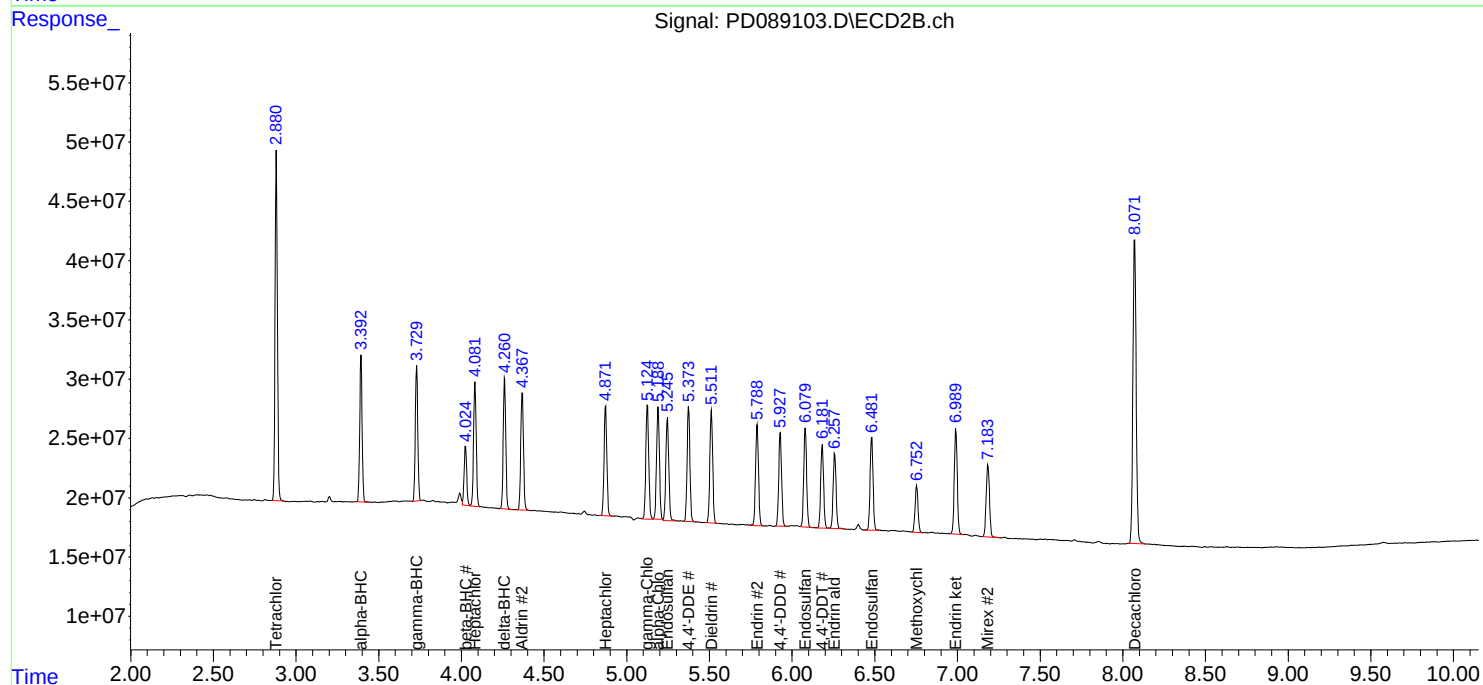
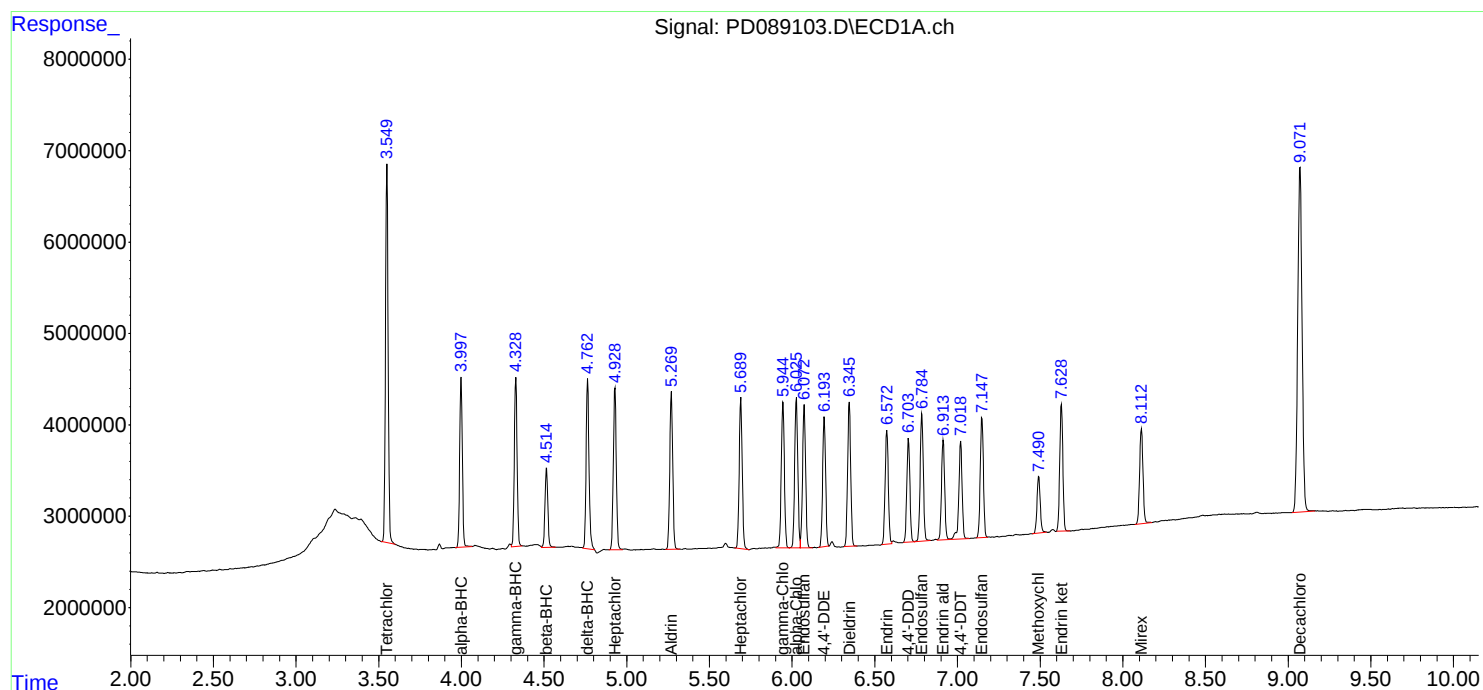
Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

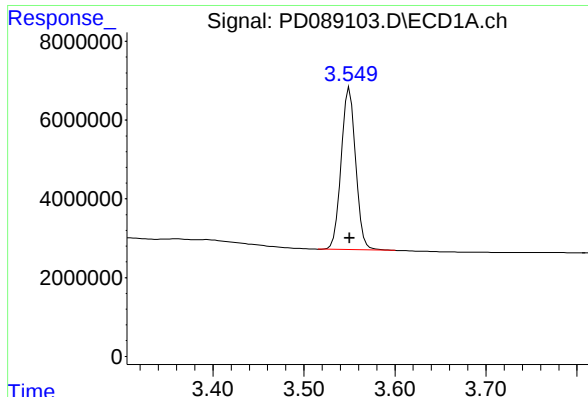
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 01:51:58 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 2025
Response via : Initial Calibration
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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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





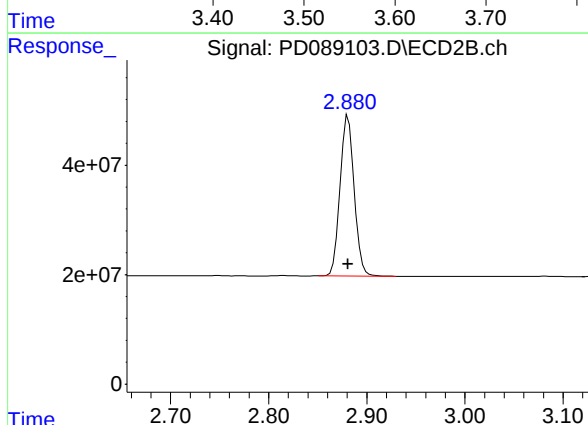
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 45534496
Conc: 15.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

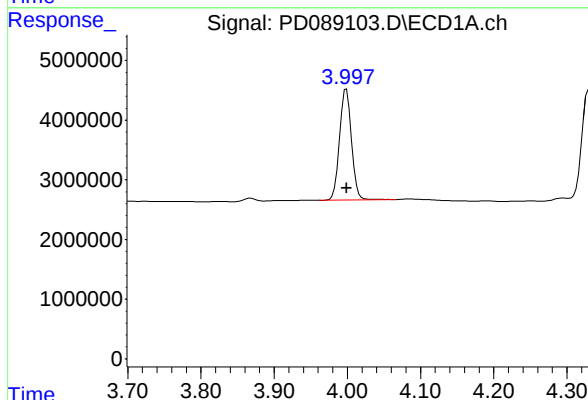
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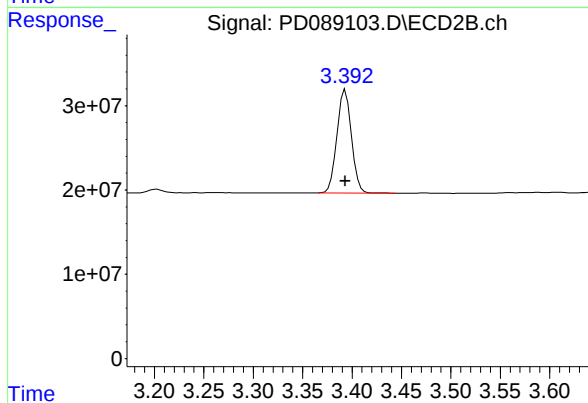
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 294454428
Conc: 17.37 ng/ml



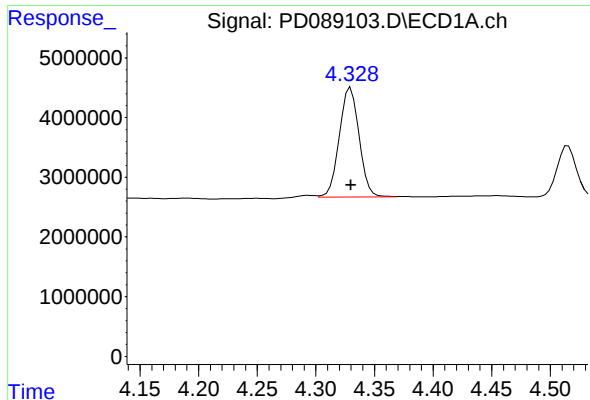
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 21166002
Conc: 3.63 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 124999591
Conc: 4.66 ng/ml



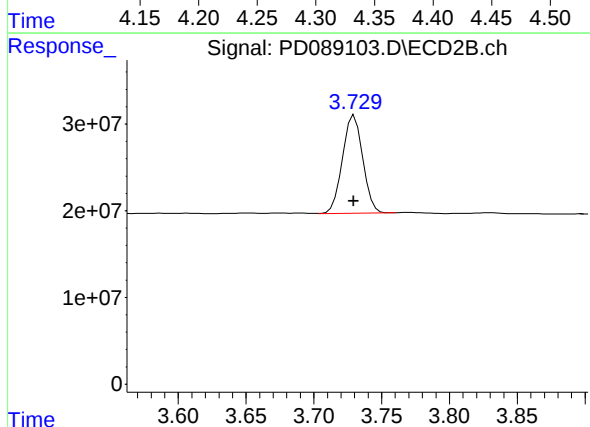
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: -0.002 min
Response: 21427844
Conc: 3.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

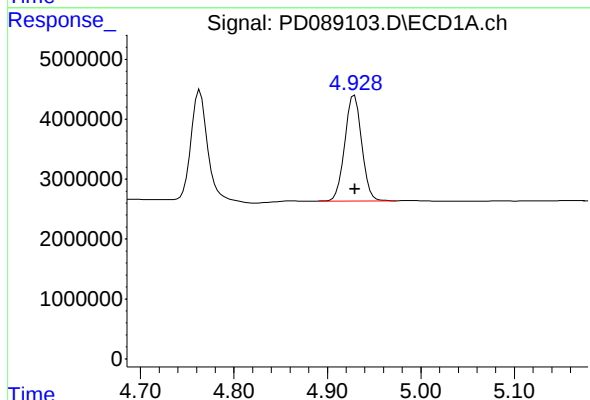
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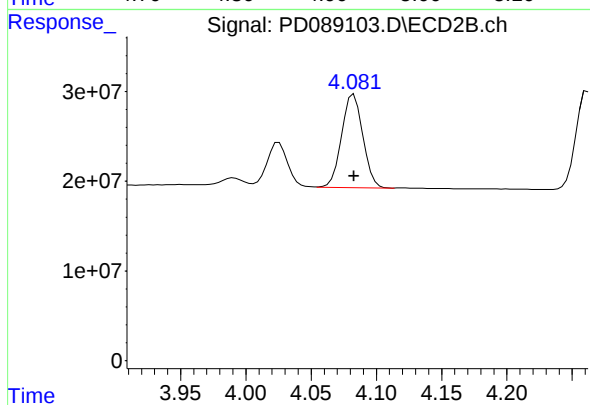
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 117317038
Conc: 4.74 ng/ml



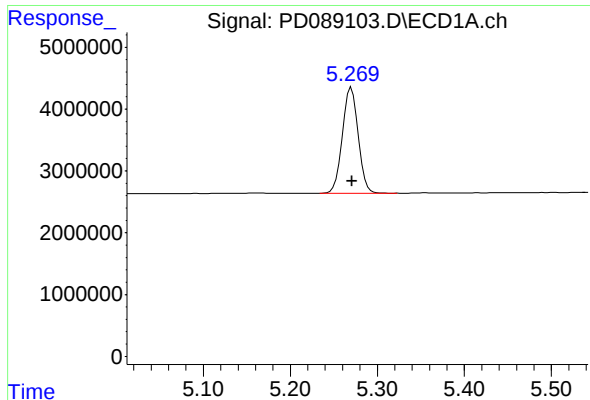
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 22318134
Conc: 4.09 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 118109938
Conc: 4.72 ng/ml



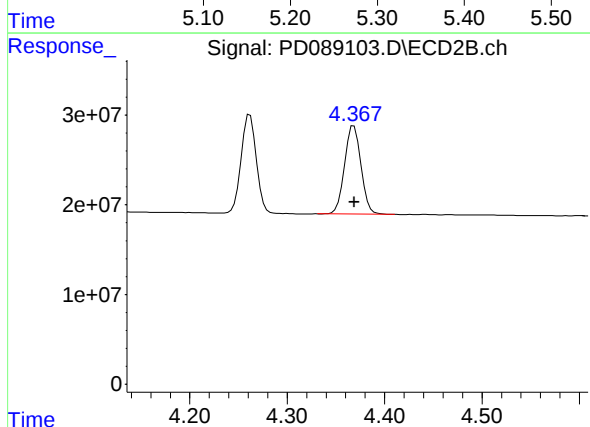
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 21727697
Conc: 4.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

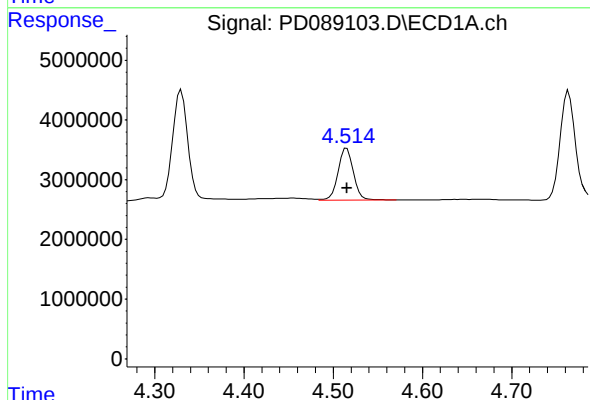
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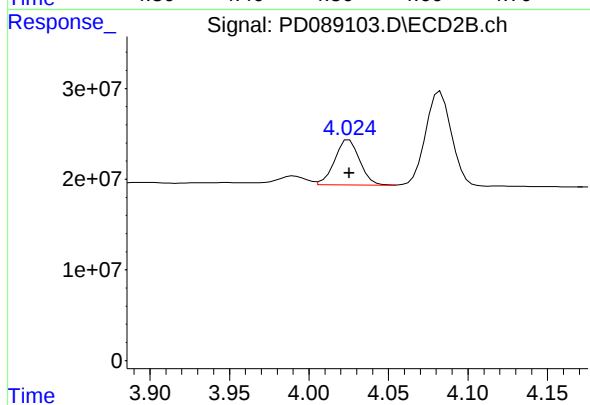
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 115230697
Conc: 4.76 ng/ml



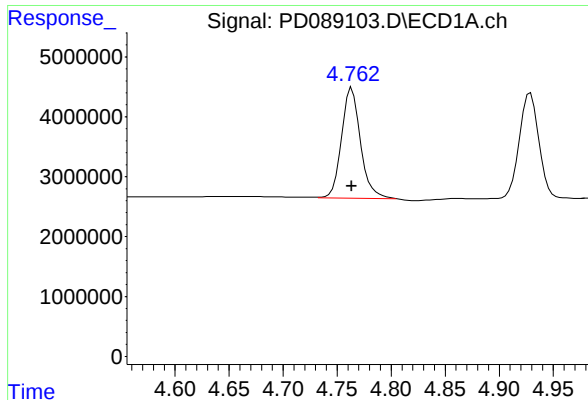
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 10330561
Conc: 4.68 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 54911282
Conc: 5.11 ng/ml



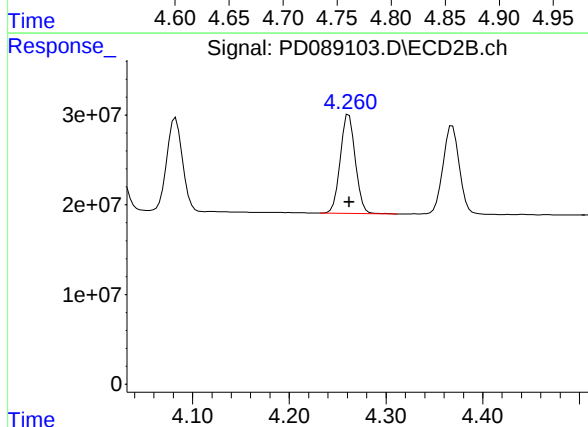
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: -0.001 min
Response: 22446182
Conc: 4.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

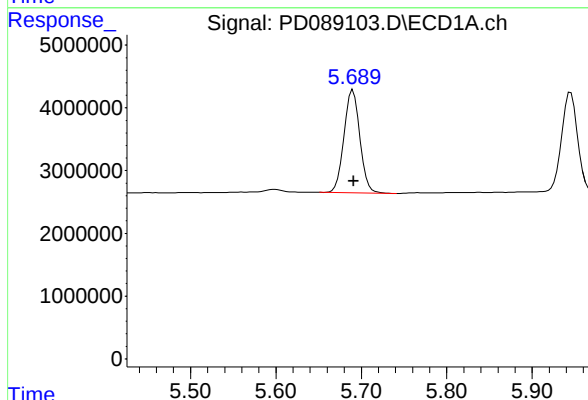
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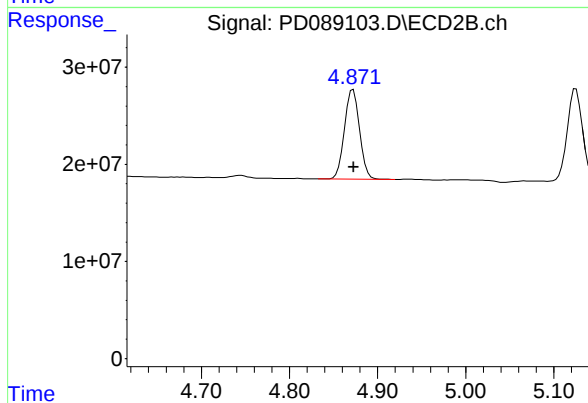
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 119170527
Conc: 4.79 ng/ml



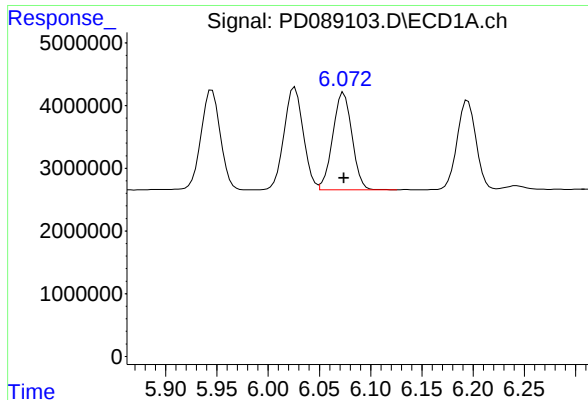
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: 0.000 min
Response: 21247610
Conc: 4.40 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 109987051
Conc: 5.02 ng/ml



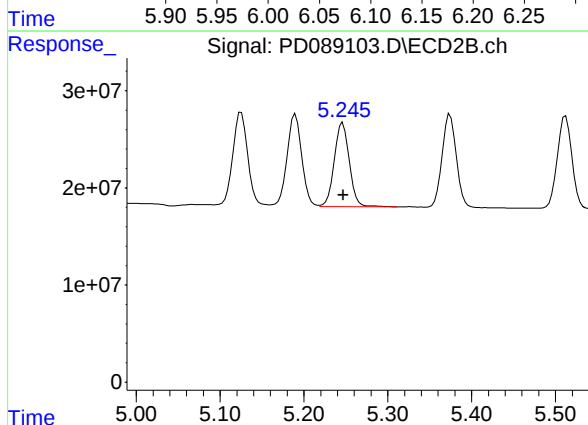
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 20188172
Conc: 4.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

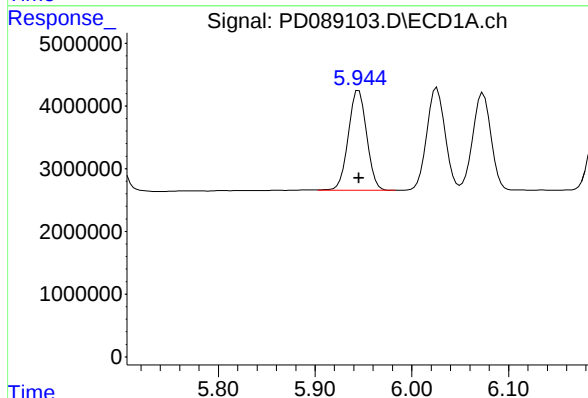
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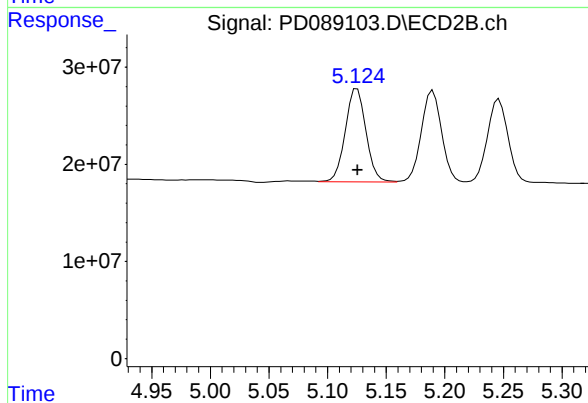
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 107133622
Conc: 5.14 ng/ml



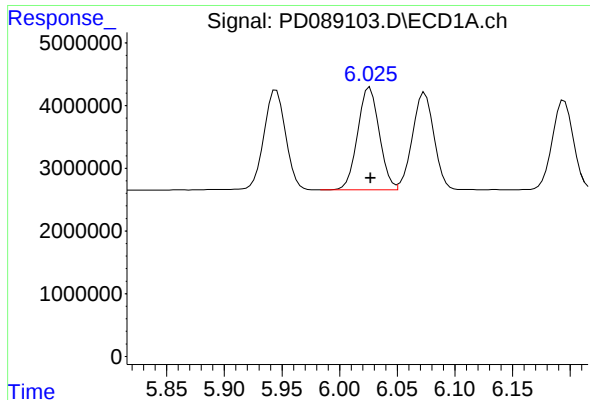
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 20890410
Conc: 4.36 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 117923862
Conc: 4.93 ng/ml m



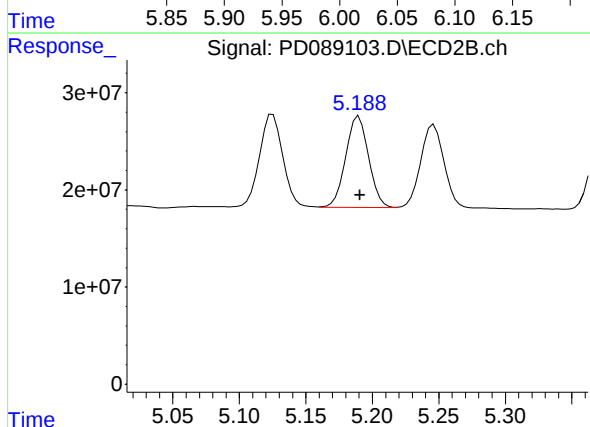
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 21410894
Conc: 4.43 ng/ml

Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT2-2025

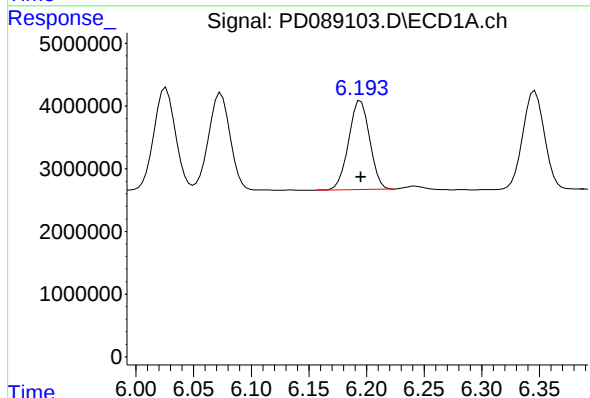
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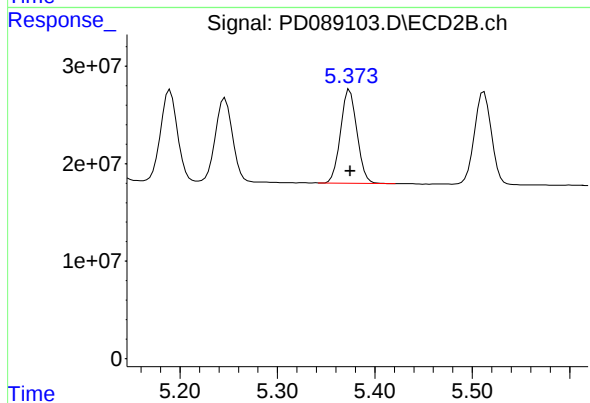
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 112542266
Conc: 4.92 ng/ml m



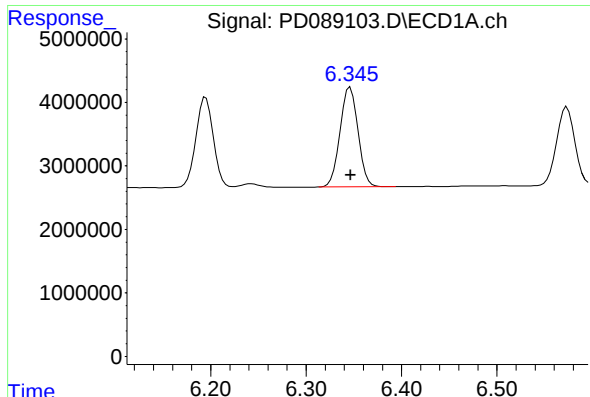
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 17936362
Conc: 4.11 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 112033814
Conc: 4.89 ng/ml



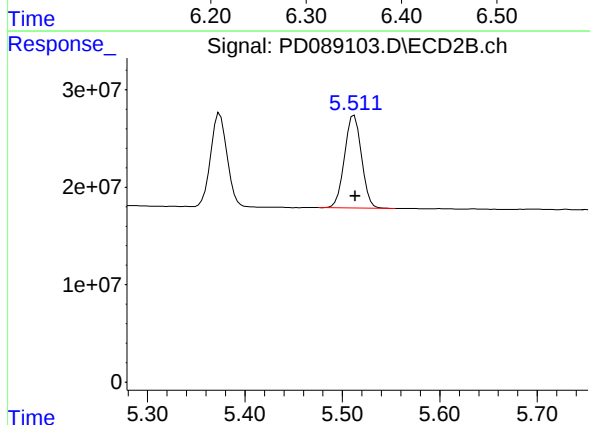
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 20569002
Conc: 4.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

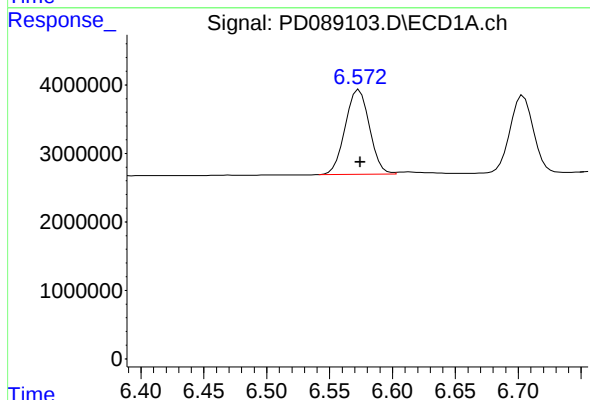
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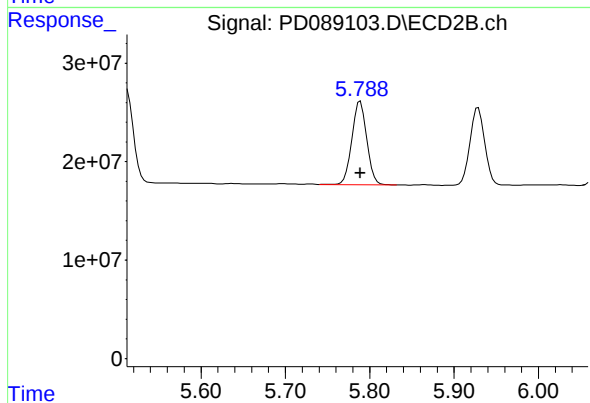
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 114987760
Conc: 4.95 ng/ml



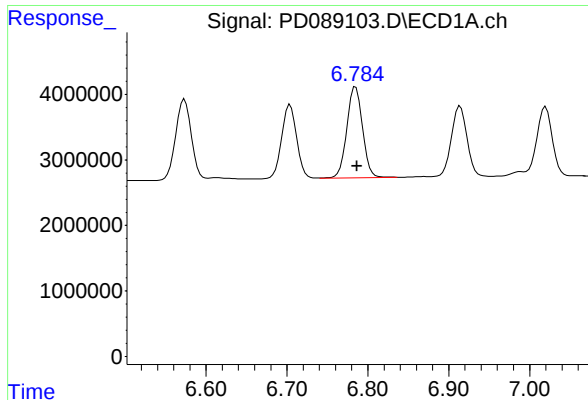
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.000 min
Response: 16532810
Conc: 4.01 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 104542141
Conc: 4.81 ng/ml



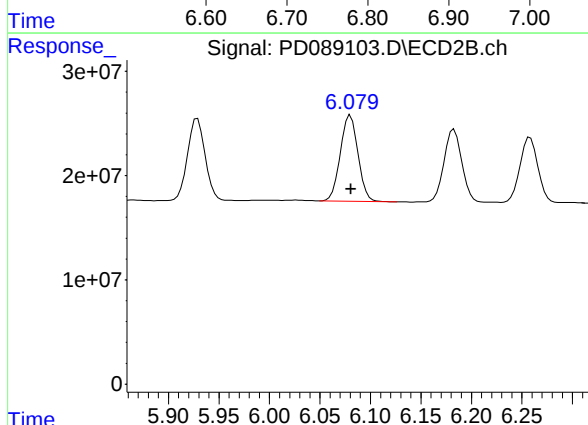
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 18731057
Conc: 4.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
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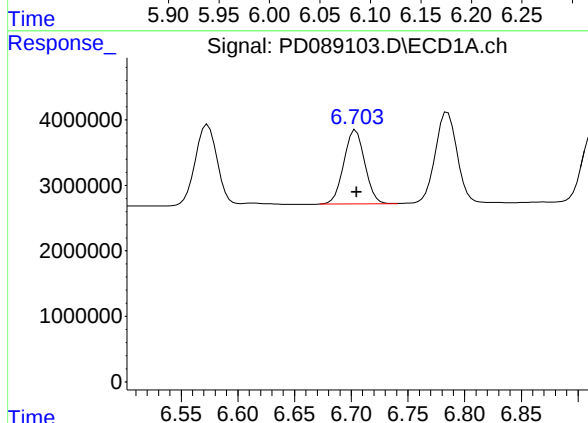
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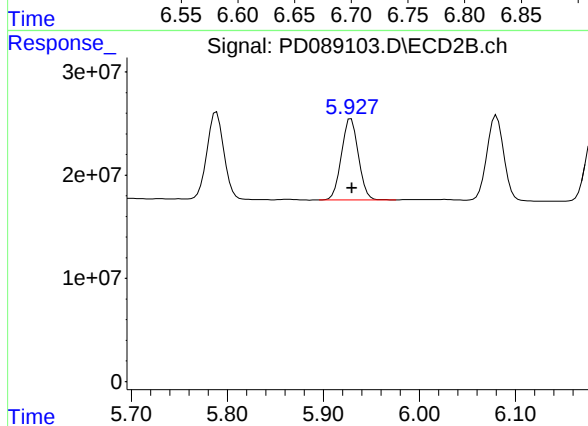
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 101087558
Conc: 5.01 ng/ml



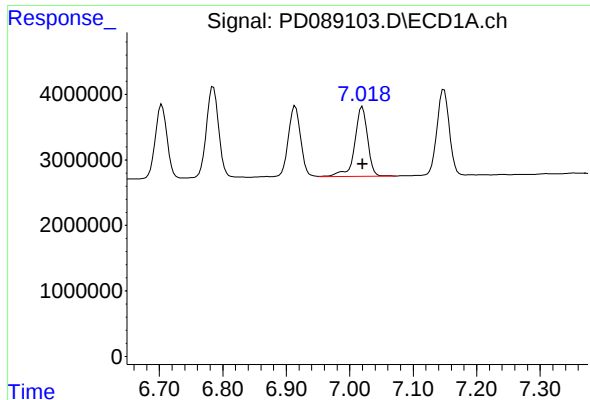
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 14505146
Conc: 4.23 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 95747696
Conc: 5.01 ng/ml



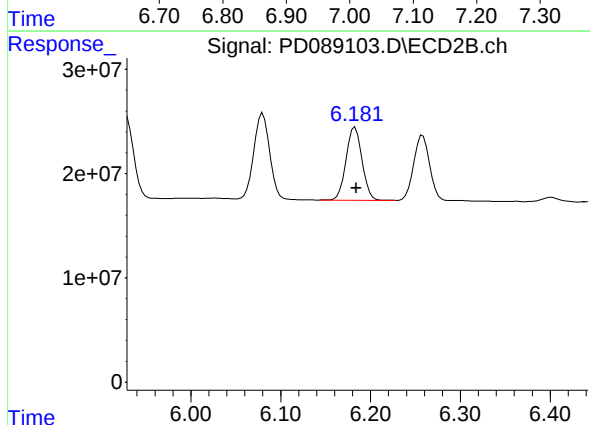
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 15040996
Conc: 3.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

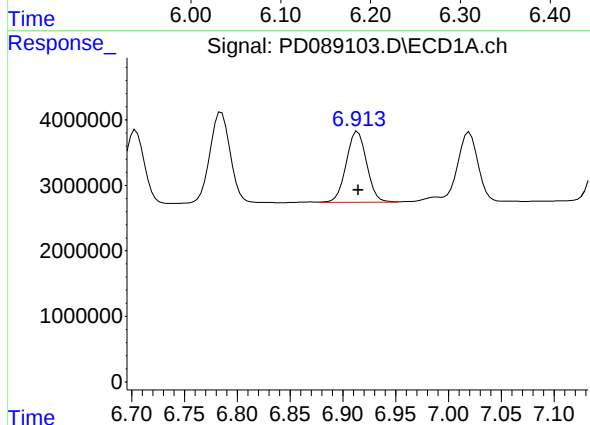
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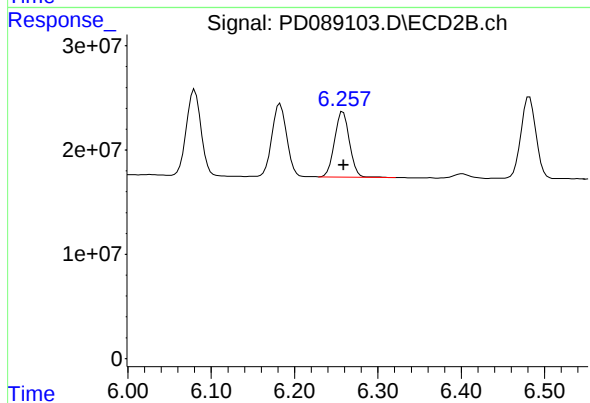
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 86782837
Conc: 4.28 ng/ml



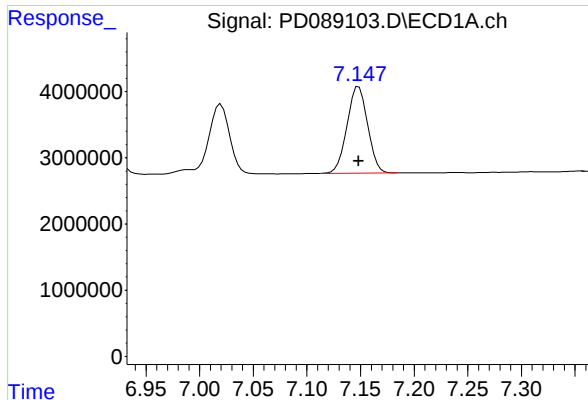
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 14556845
Conc: 4.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 78070961
Conc: 5.10 ng/ml



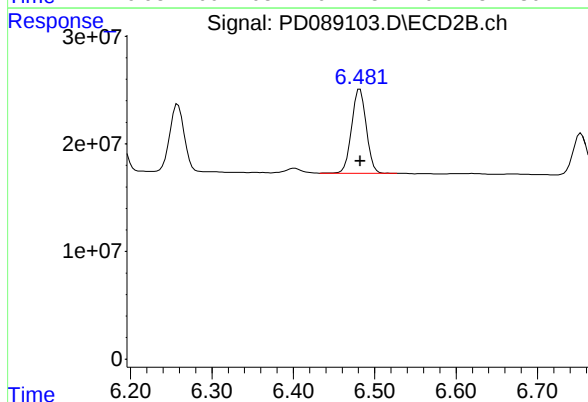
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 17498619
Conc: 4.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

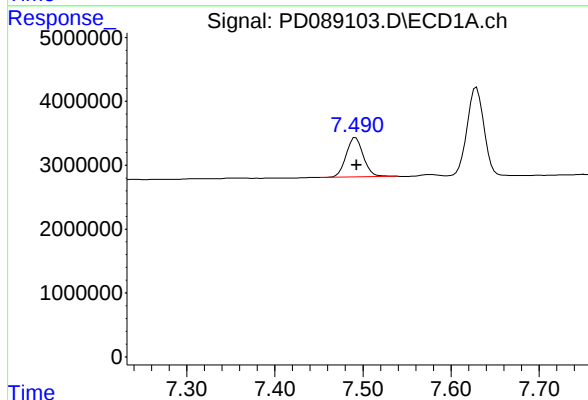
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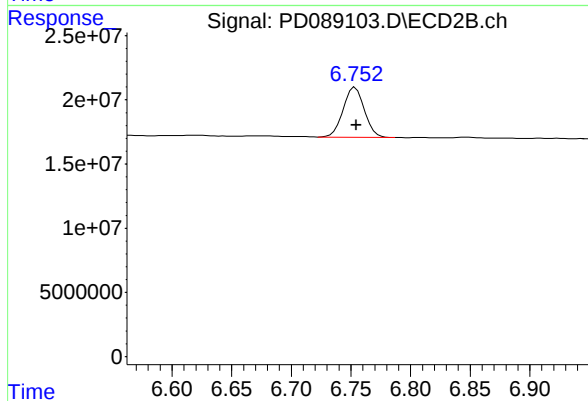
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 98312564
Conc: 5.01 ng/ml



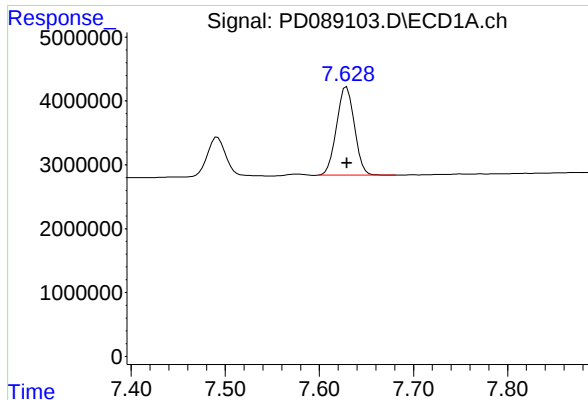
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.001 min
Response: 8385429
Conc: 4.15 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: -0.001 min
Response: 48164319
Conc: 4.47 ng/ml



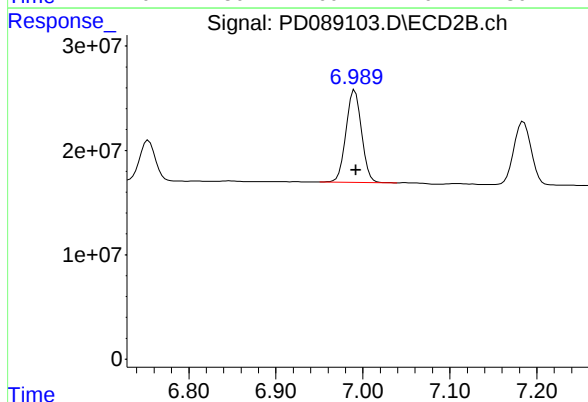
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 18294975
Conc: 4.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

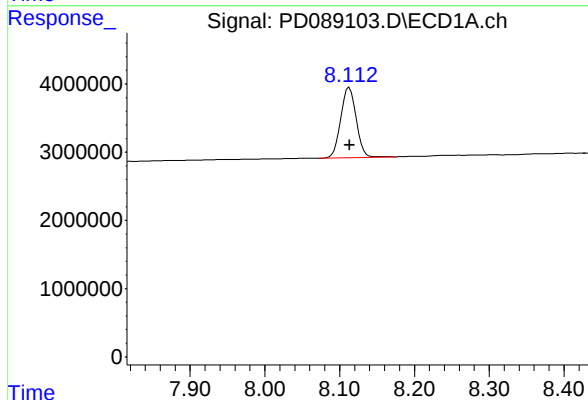
Manual Integrations
APPROVED

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



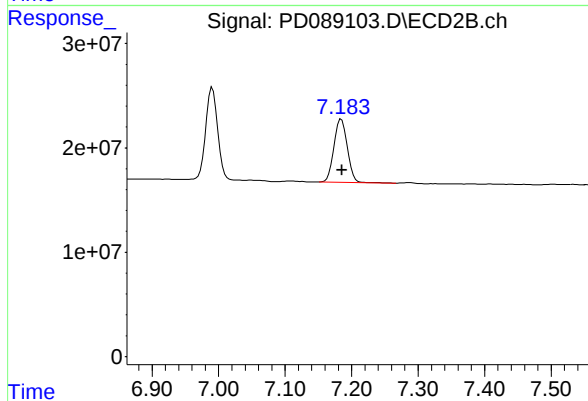
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 110703611
Conc: 5.12 ng/ml



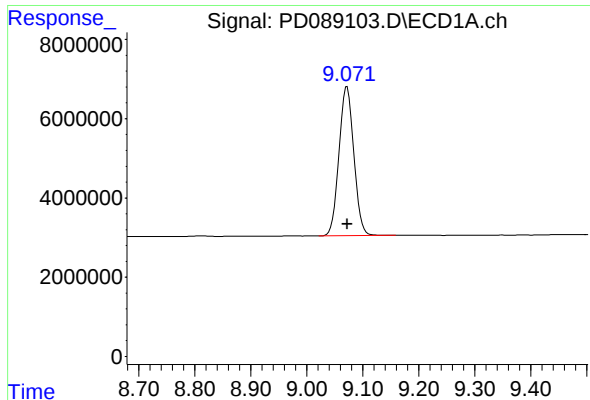
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.000 min
Response: 14859762
Conc: 4.89 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 83963673
Conc: 5.03 ng/ml



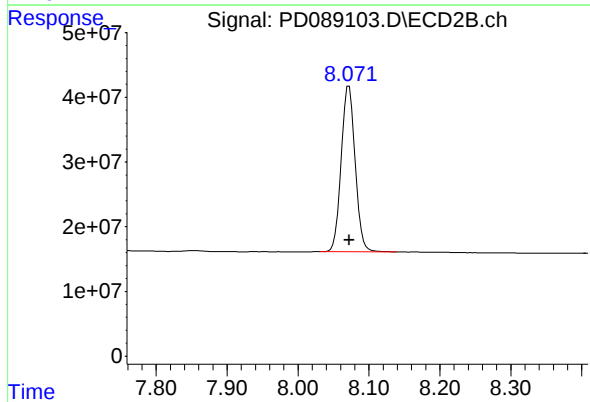
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.000 min
Response: 69394224
Conc: 17.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-SOIL-02-QT2-2025

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 350406117
Conc: 17.72 ng/ml