

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
 Data File : PD089101.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 12:56
 Operator : AR\AJ
 Sample : Q2126-01
 Misc : PEST LOD 2.5 PPB SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOD-MDL-SOIL-03-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 01:51:24 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...	3.558	2.881	45387318	287.7E6	15.908	16.969
2) SA Decachlor...	9.082	8.074	69031919	344.4E6	17.576	17.418
Target Compounds						
2) A alpha-BHC	4.007	3.393	10784706	66109406	1.850	2.467 #
3) MA gamma-BHC...	4.338	3.730	11496906	61082551	2.060	2.467
4) MA Heptachlor	4.937	4.084	11689111	61269755	2.144	2.447
5) MB Aldrin	5.279	4.370	11395639	59779111	2.145	2.468
6) B beta-BHC	4.525	4.026	5183489	28596997	2.349	2.661
7) B delta-BHC	4.772	4.263	12726888	62361019	2.479m	2.507
8) B Heptachlo...	5.699	4.874	11204164	58372124	2.323	2.666
9) A Endosulfan I	6.082	5.248	10631176	56805619	2.359	2.725
10) B gamma-Chl...	5.954	5.125	11039046	63397955	2.306	2.650m
11) B alpha-Chl...	6.035	5.192	11214174	61893142	2.318	2.703
12) B 4,4'-DDE	6.204	5.376	9266816	59485036	2.125	2.596
13) MA Dieldrin	6.355	5.514	10798983	59573181	2.251	2.567
14) MA Endrin	6.582	5.791	8525818	60179936	2.067	2.771 #
15) B Endosulfa...	6.794	6.082	9722827	53671251	2.409	2.657
16) A 4,4'-DDD	6.713	5.931	7635354	51244838	2.225	2.679
17) MA 4,4'-DDT	7.028	6.185	7197401	44716969	1.900	2.205
18) B Endrin al...	6.921	6.260	7605724	41475476	2.482m	2.709
19) B Endosulfa...	7.157	6.484	9238171	52165323	2.408	2.659
20) A Methoxychlor	7.501	6.756	4525944	25320187	2.240	2.351
21) B Endrin ke...	7.638	6.993	9614618	59516629	2.361	2.755
22) Mirex	8.121	7.187	7628421	43948423	2.509	2.635

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
Data File : PD089101.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 12:56
Operator : AR\AJ
Sample : Q2126-01
Misc : PEST LOD 2.5 PPB SOIL
ALS Vial : 8 Sample Multiplier: 1

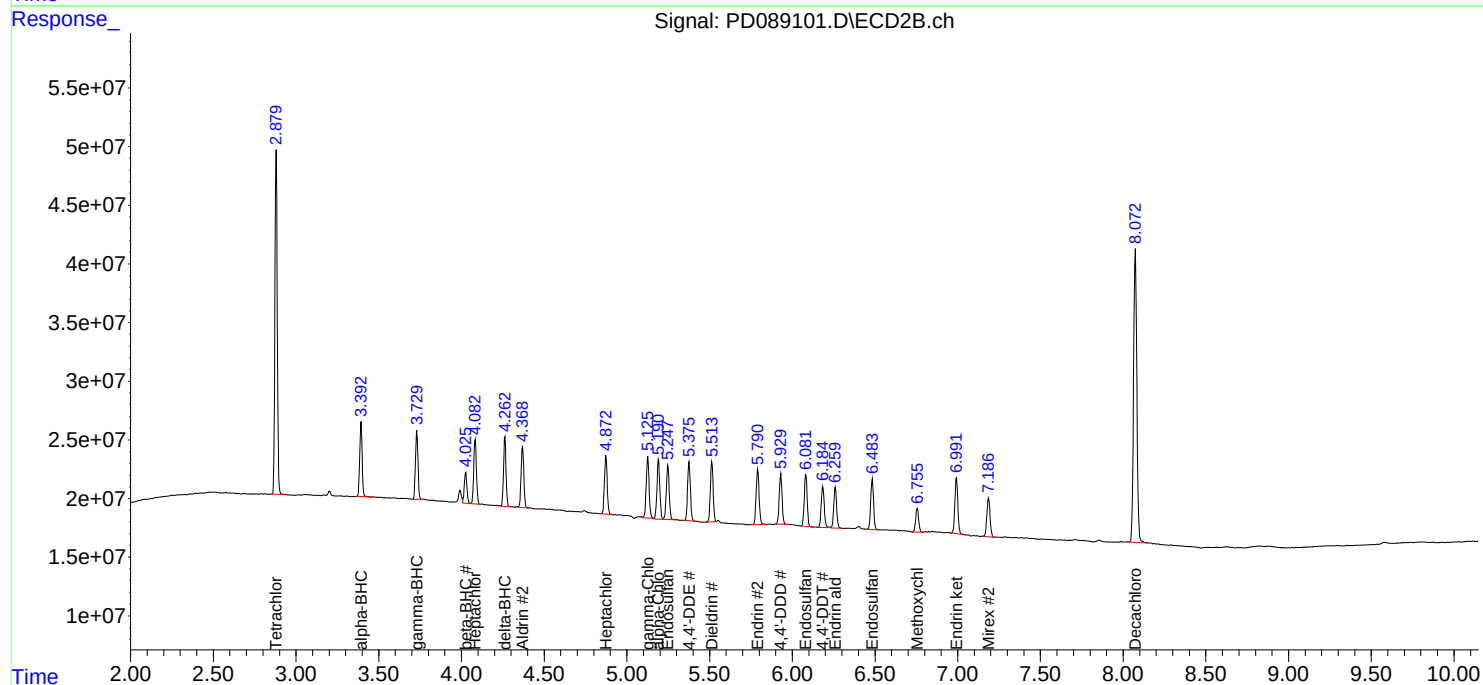
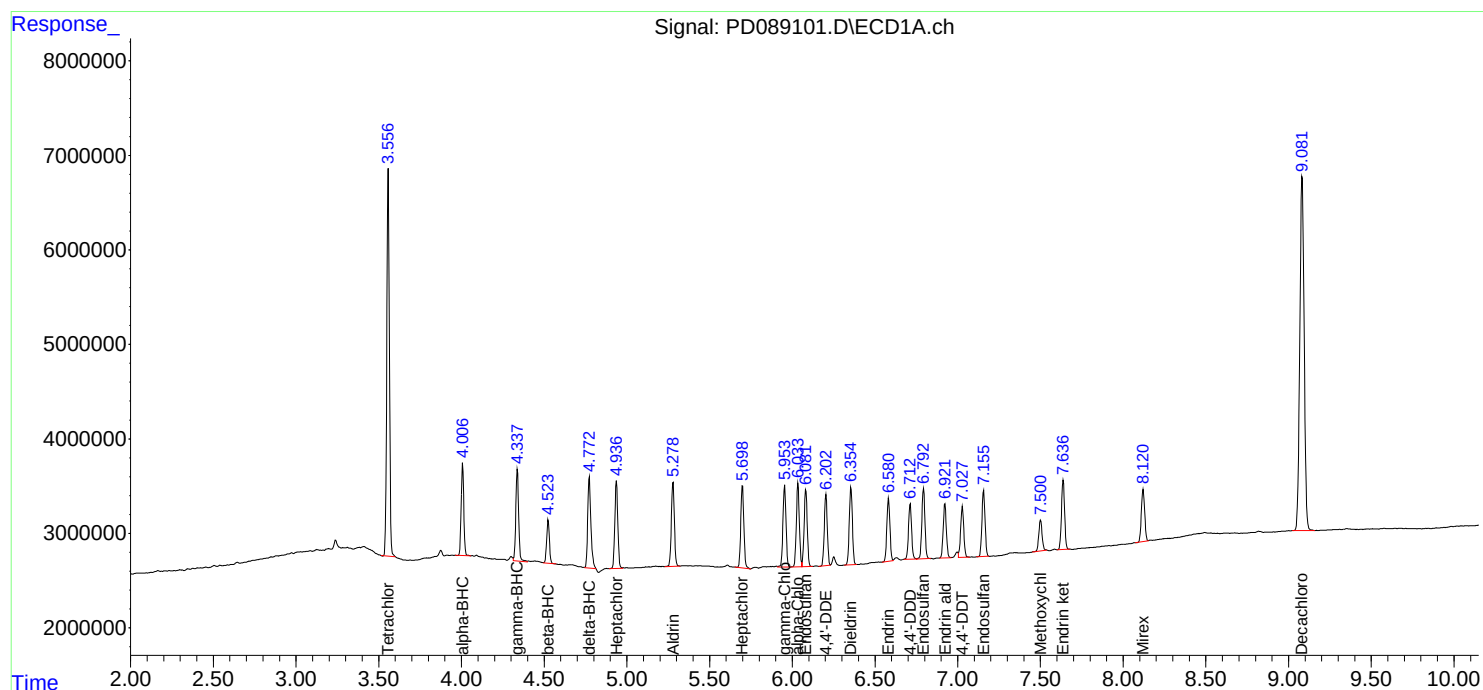
Instrument :
ECD_D
ClientSampleId :
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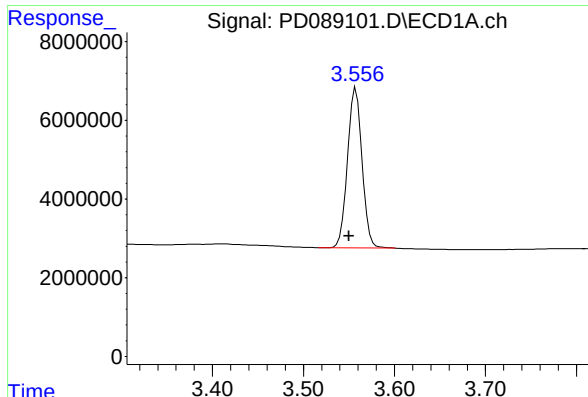
Manual Integrations
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Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 01:51:24 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





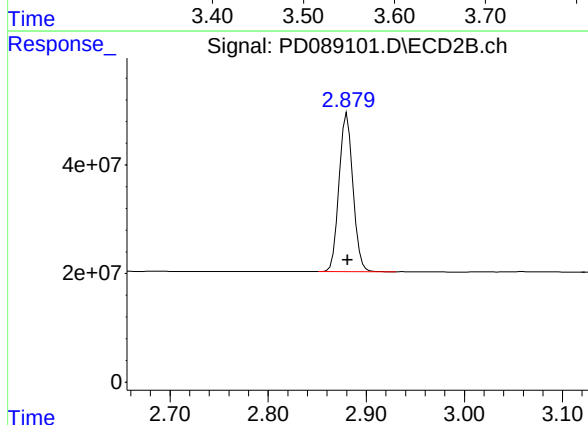
#1 Tetrachloro-m-xylene

R.T.: 3.558 min
Delta R.T.: 0.008 min
Response: 45387318
Conc: 15.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
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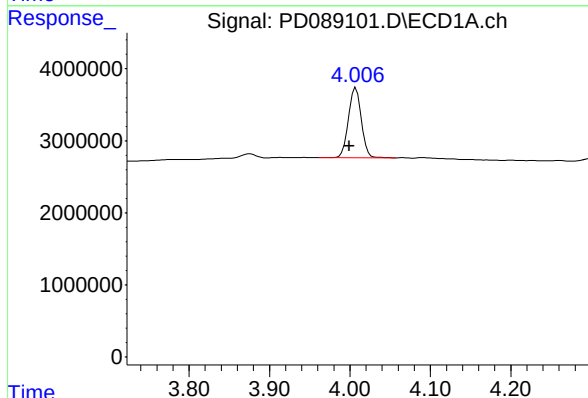
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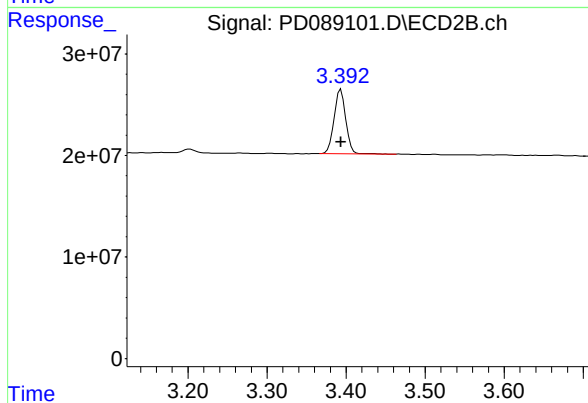
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 287670914
Conc: 16.97 ng/ml



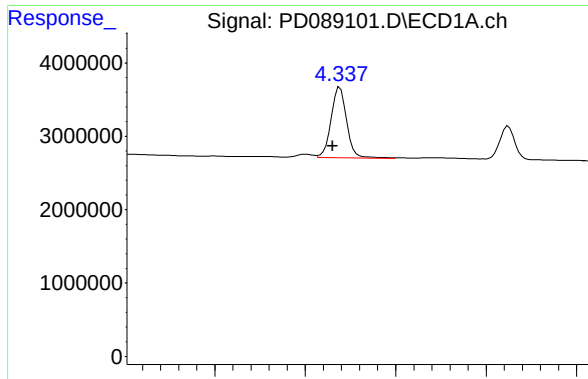
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.008 min
Response: 10784706
Conc: 1.85 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 66109406
Conc: 2.47 ng/ml



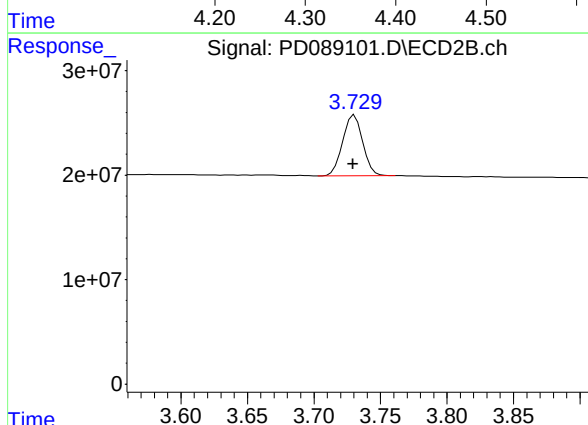
#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.008 min
Response: 11496906
Conc: 2.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

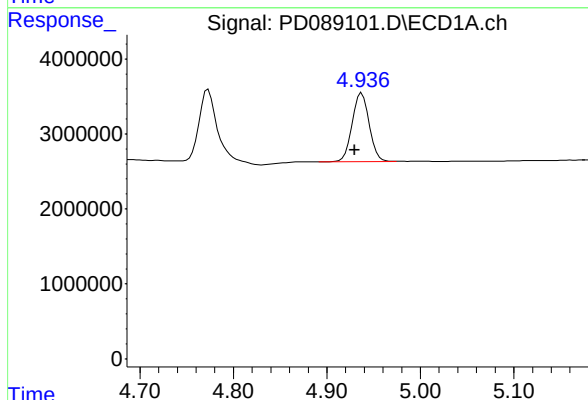
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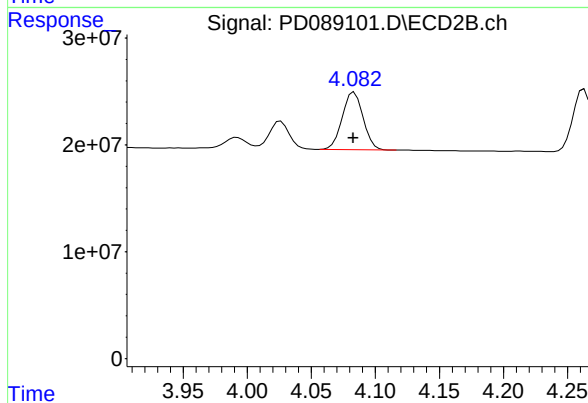
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.001 min
Response: 61082551
Conc: 2.47 ng/ml



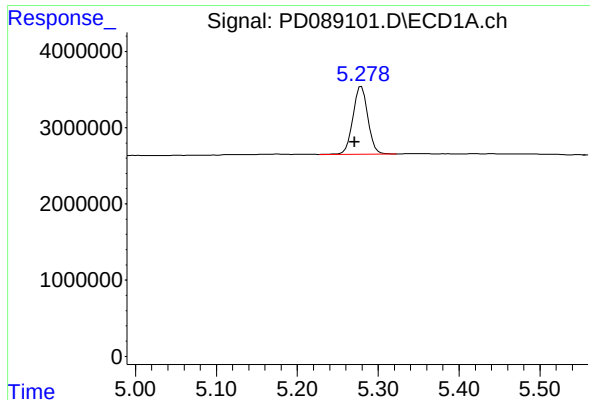
#4 Heptachlor

R.T.: 4.937 min
Delta R.T.: 0.008 min
Response: 11689111
Conc: 2.14 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 61269755
Conc: 2.45 ng/ml



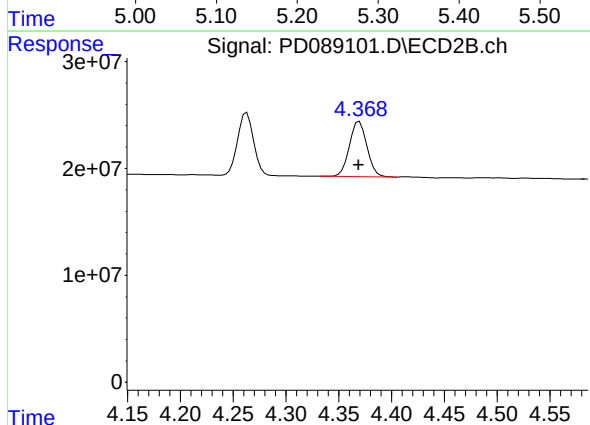
#5 Aldrin

R.T.: 5.279 min
Delta R.T.: 0.008 min
Response: 11395639
Conc: 2.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

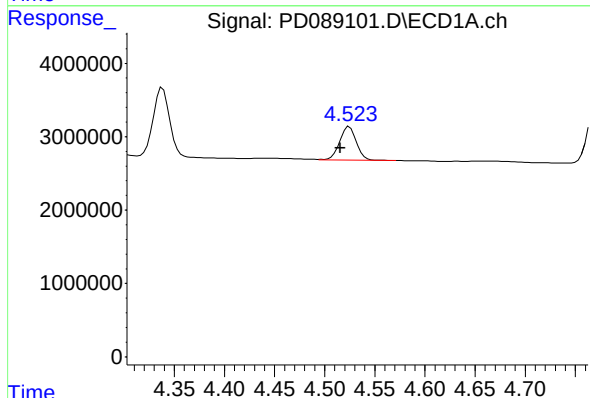
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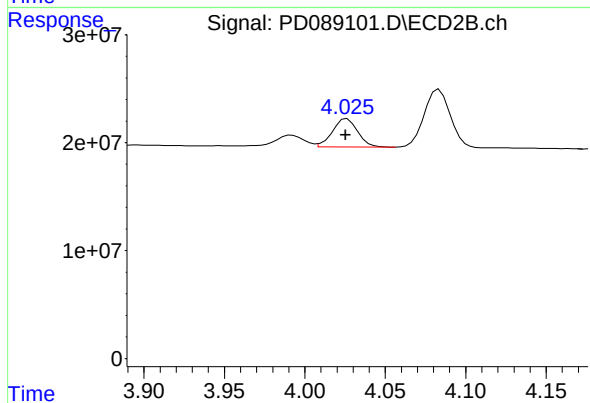
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: 0.000 min
Response: 59779111
Conc: 2.47 ng/ml



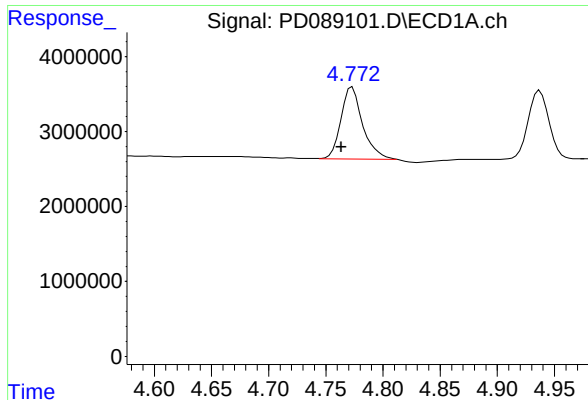
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.009 min
Response: 5183489
Conc: 2.35 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 28596997
Conc: 2.66 ng/ml



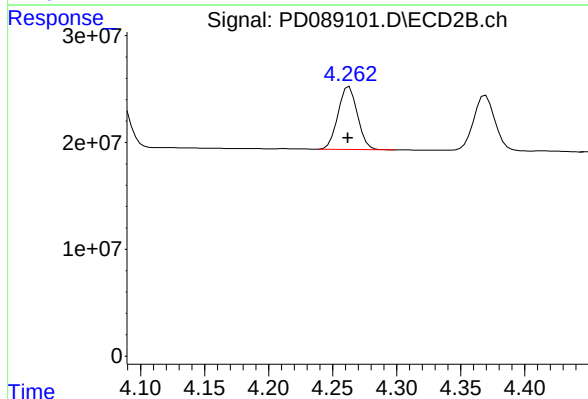
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.008 min
Response: 12726888
Conc: 2.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

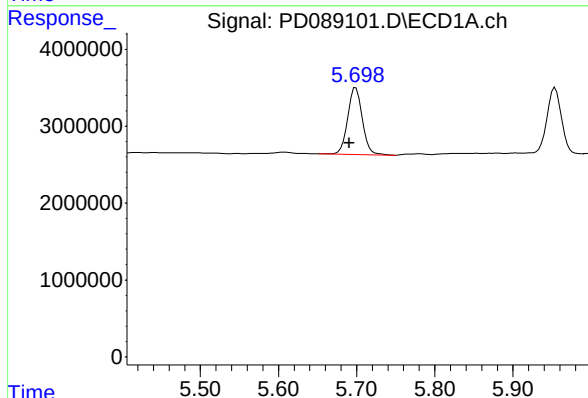
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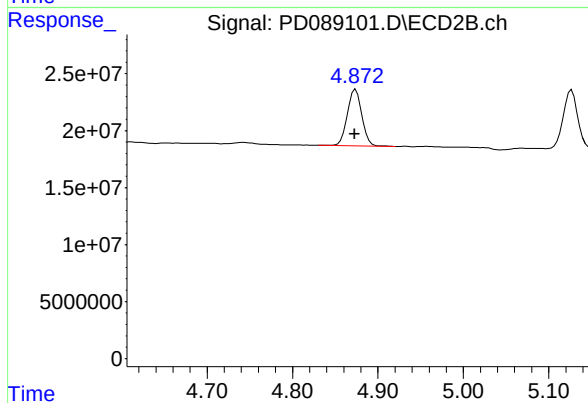
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.001 min
Response: 62361019
Conc: 2.51 ng/ml



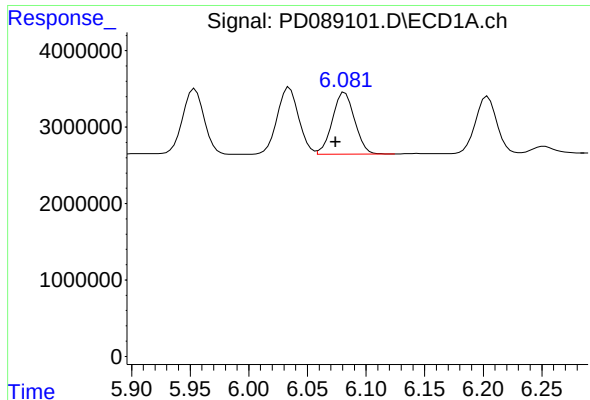
#8 Heptachlor epoxide

R.T.: 5.699 min
Delta R.T.: 0.008 min
Response: 11204164
Conc: 2.32 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: 0.001 min
Response: 58372124
Conc: 2.67 ng/ml



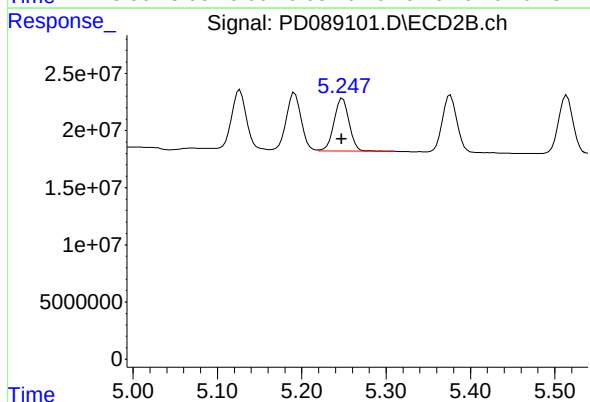
#9 Endosulfan I

R.T.: 6.082 min
Delta R.T.: 0.008 min
Response: 10631176
Conc: 2.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

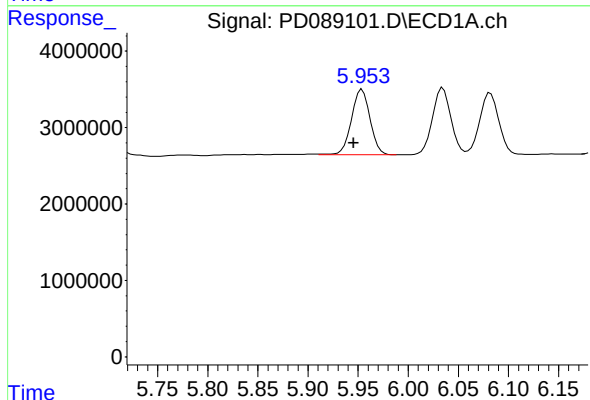
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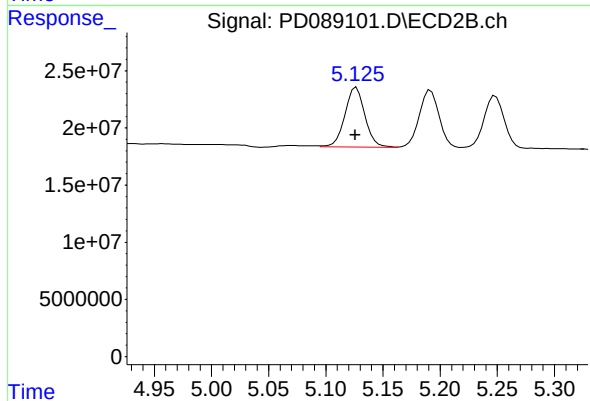
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: 0.001 min
Response: 56805619
Conc: 2.73 ng/ml



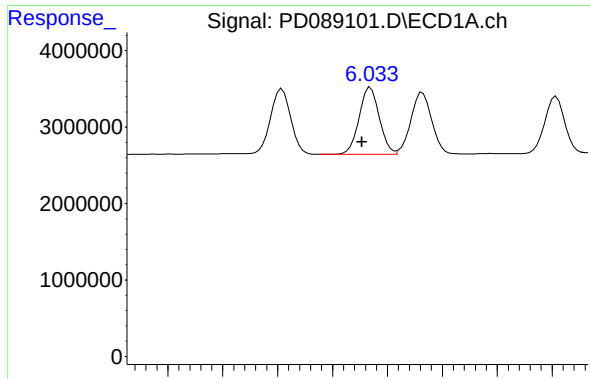
#10 gamma-Chlordane

R.T.: 5.954 min
Delta R.T.: 0.009 min
Response: 11039046
Conc: 2.31 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 63397955
Conc: 2.65 ng/ml m



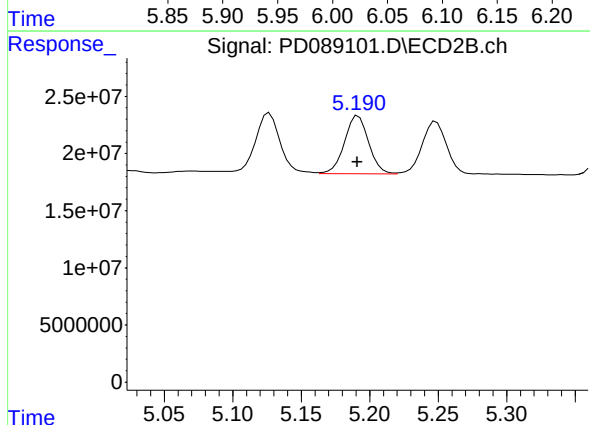
#11 alpha-Chlordane

R.T.: 6.035 min
Delta R.T.: 0.008 min
Response: 11214174
Conc: 2.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
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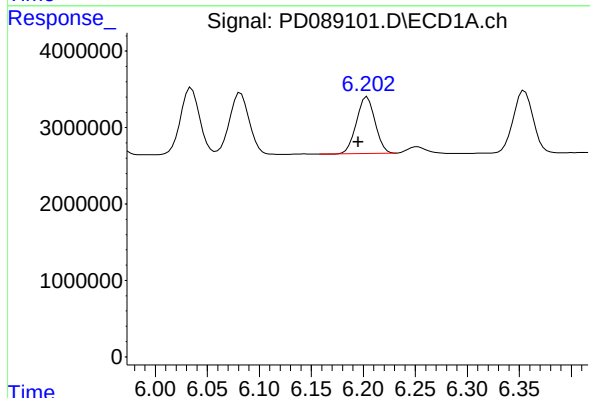
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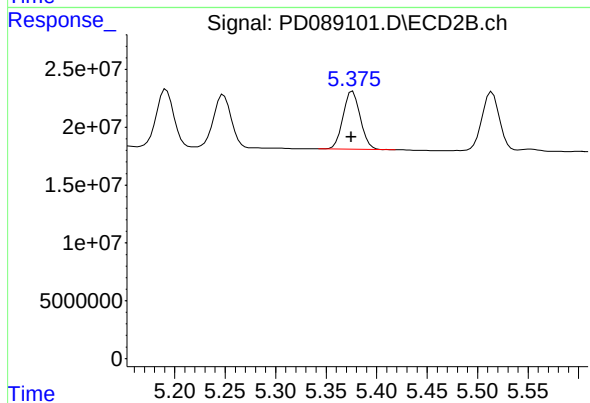
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: 0.000 min
Response: 61893142
Conc: 2.70 ng/ml



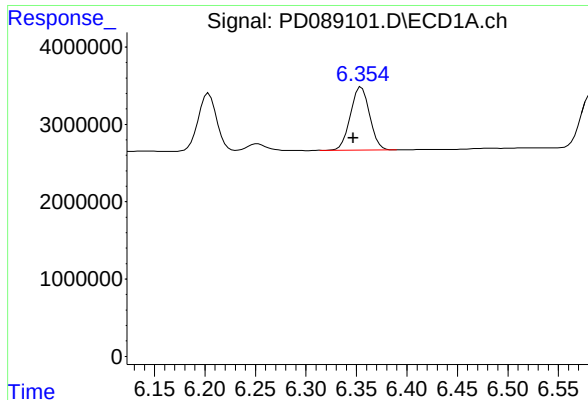
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.009 min
Response: 9266816
Conc: 2.12 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.001 min
Response: 59485036
Conc: 2.60 ng/ml



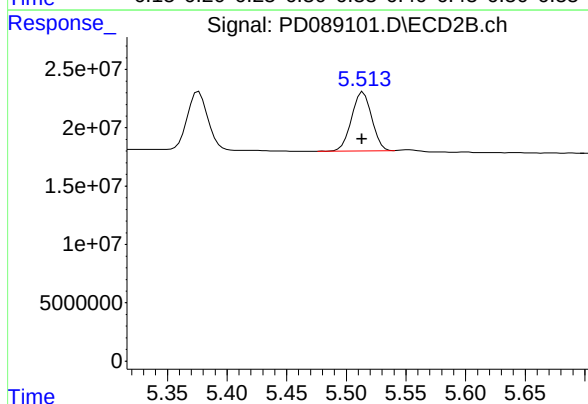
#13 Dieldrin

R.T.: 6.355 min
Delta R.T.: 0.008 min
Response: 10798983
Conc: 2.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

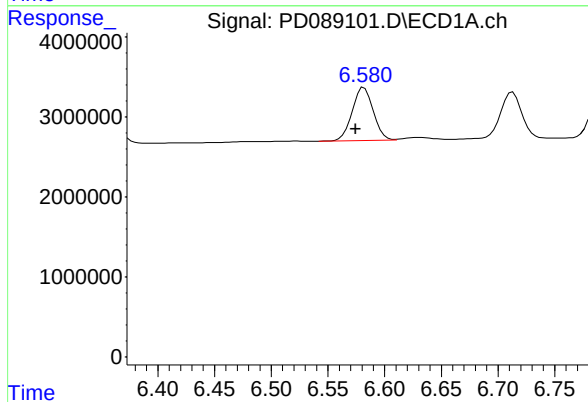
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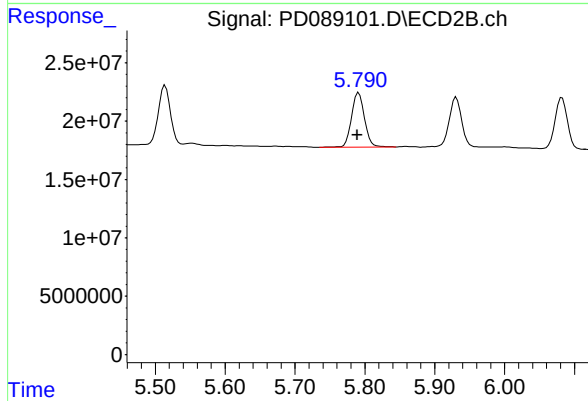
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: 0.001 min
Response: 59573181
Conc: 2.57 ng/ml



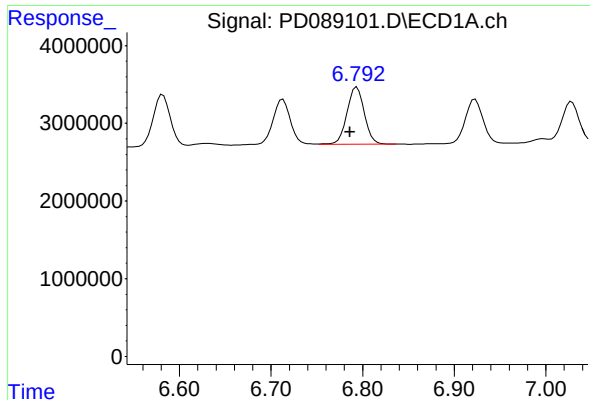
#14 Endrin

R.T.: 6.582 min
Delta R.T.: 0.007 min
Response: 8525818
Conc: 2.07 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: 0.002 min
Response: 60179936
Conc: 2.77 ng/ml



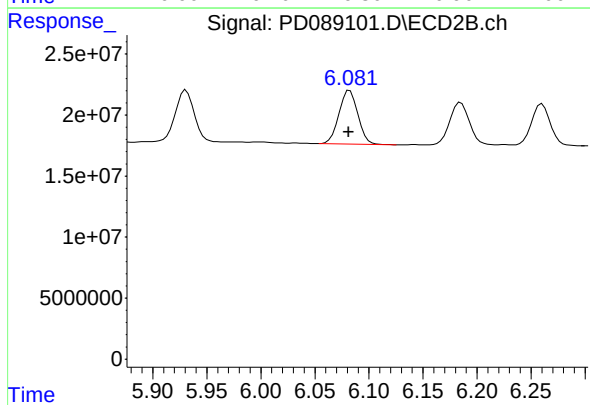
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.008 min
Response: 9722827
Conc: 2.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

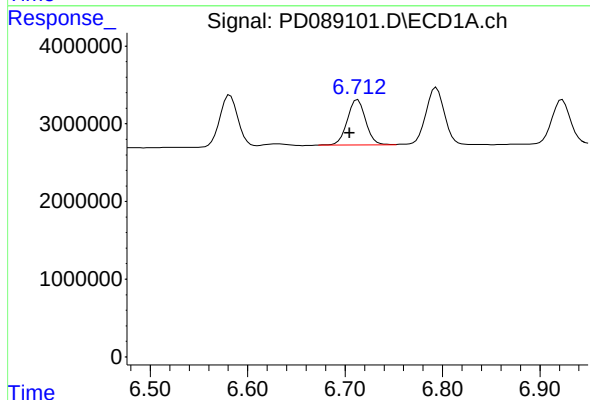
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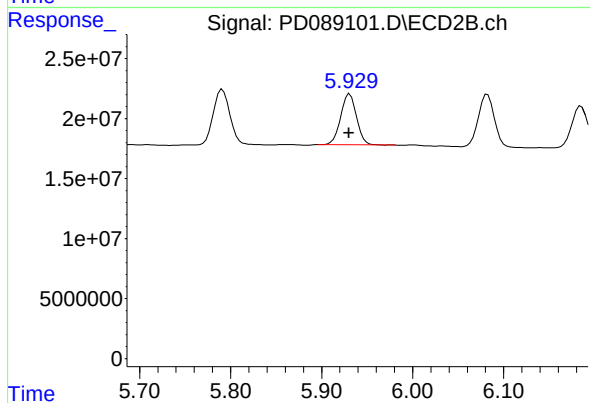
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: 0.001 min
Response: 53671251
Conc: 2.66 ng/ml



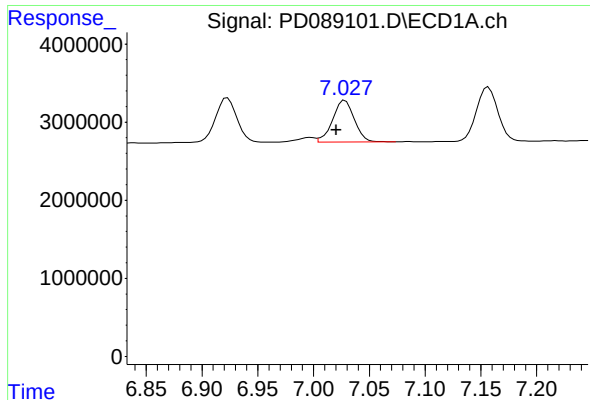
#16 4,4'-DDD

R.T.: 6.713 min
Delta R.T.: 0.008 min
Response: 7635354
Conc: 2.22 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: 0.001 min
Response: 51244838
Conc: 2.68 ng/ml



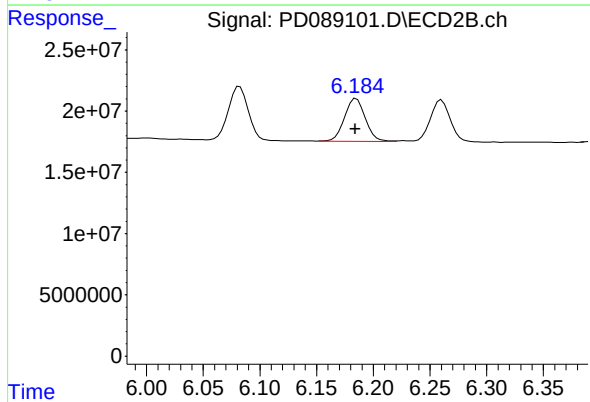
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.008 min
Response: 7197401
Conc: 1.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

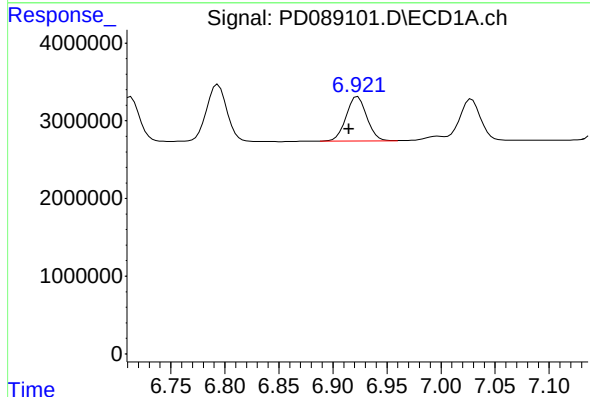
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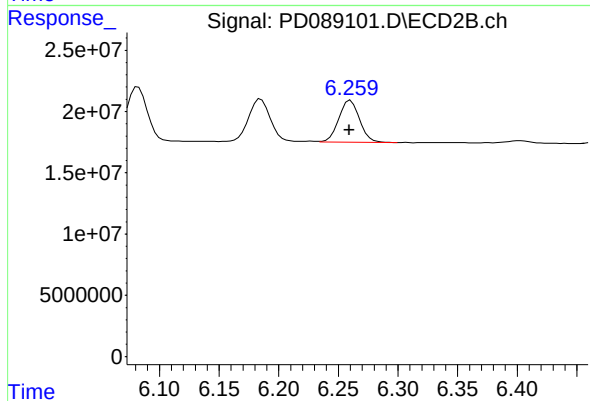
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: 0.000 min
Response: 44716969
Conc: 2.21 ng/ml



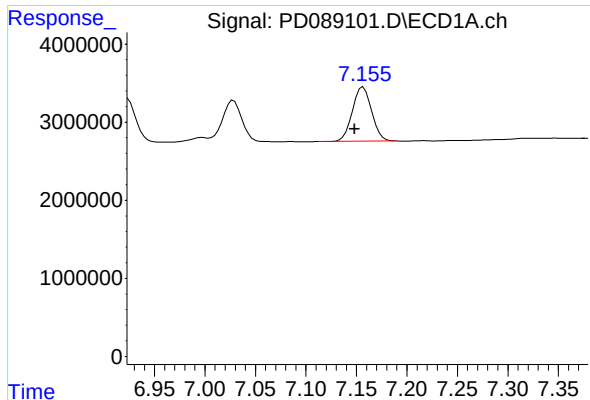
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.007 min
Response: 7605724
Conc: 2.48 ng/ml m



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: 0.001 min
Response: 41475476
Conc: 2.71 ng/ml



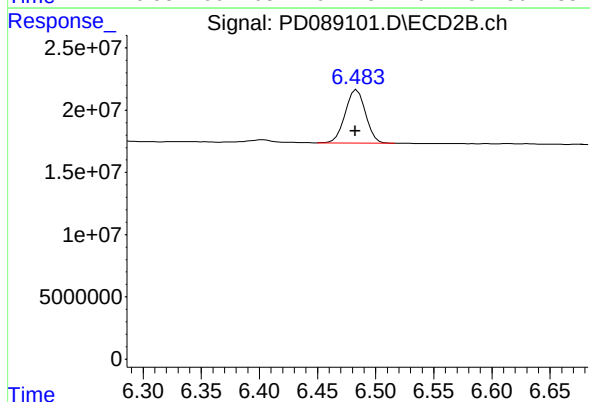
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.008 min
Response: 9238171
Conc: 2.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

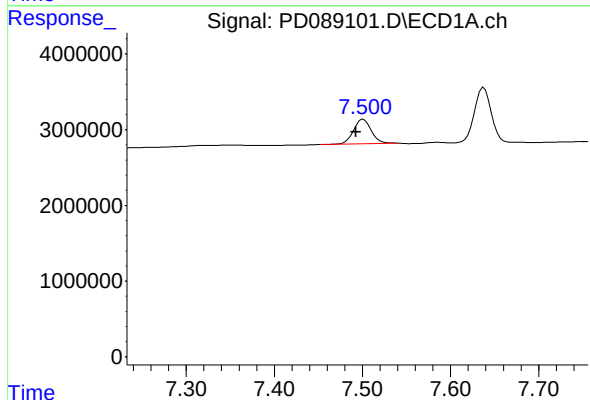
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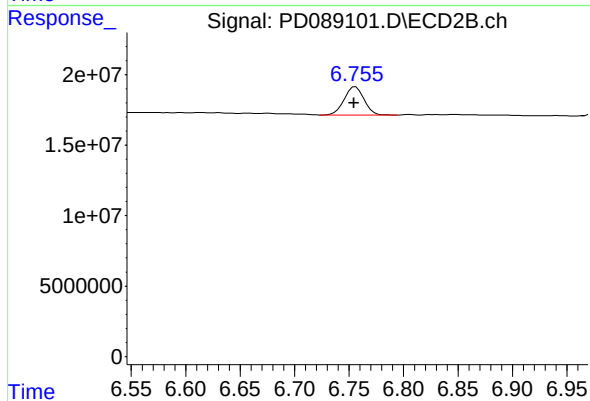
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: 0.001 min
Response: 52165323
Conc: 2.66 ng/ml



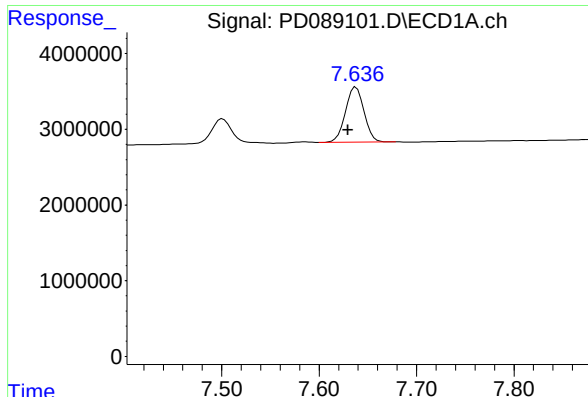
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.009 min
Response: 4525944
Conc: 2.24 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: 0.001 min
Response: 25320187
Conc: 2.35 ng/ml



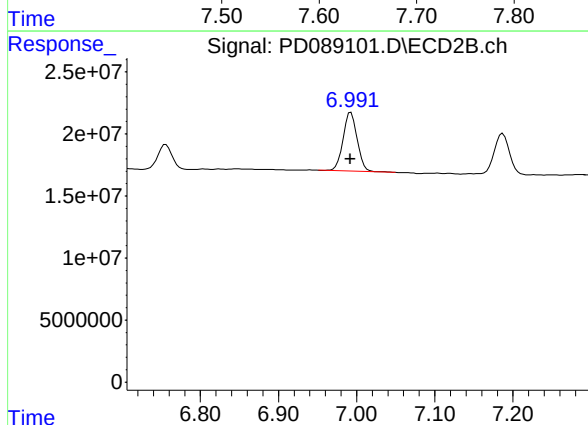
#21 Endrin ketone

R.T.: 7.638 min
Delta R.T.: 0.008 min
Response: 9614618
Conc: 2.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

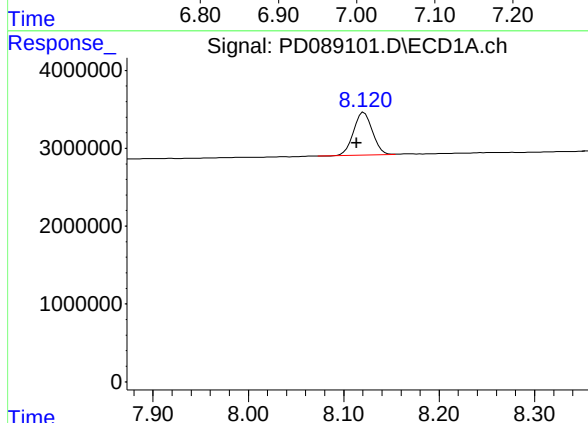
Manual Integrations
APPROVED

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



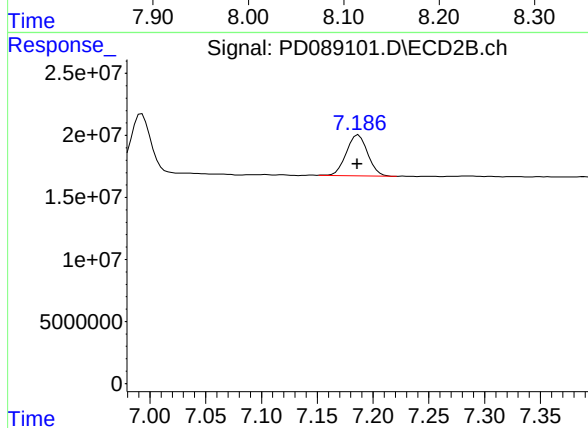
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 59516629
Conc: 2.76 ng/ml



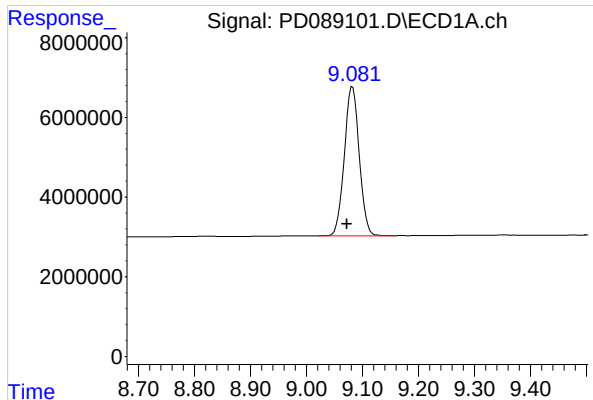
#22 Mirex

R.T.: 8.121 min
Delta R.T.: 0.008 min
Response: 7628421
Conc: 2.51 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: 0.001 min
Response: 43948423
Conc: 2.64 ng/ml



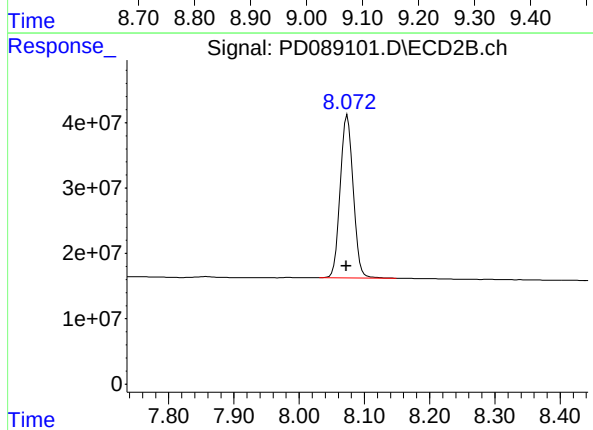
#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.010 min
Response: 69031919
Conc: 17.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: 0.002 min
Response: 344358103
Conc: 17.42 ng/ml