

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091125\
 Data File : PL097122.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Sep 2025 13:36
 Operator : AR\AJ
 Sample : Q2893-02
 Misc : PEST LOQ 5PPB
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOQ-SOIL-02-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/11/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 11 07:42:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Sep 11 07:41:18 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 x0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.526	2.820	68606962	104.0E6	17.678	18.451
28)	SA Decachlor...	9.002	7.982	56851643	105.3E6	19.202	21.948
Target Compounds							
2)	A alpha-BHC	3.973	3.325	26185645	39375084	4.519	4.795
3)	MA gamma-BHC...	4.301	3.657	27308708	37818312	5.000	5.134
4)	MA Heptachlor	4.892	4.005	27853498	40054046	5.223	5.323
5)	MB Aldrin	5.232	4.287	30768992	35913813	5.857	5.107
6)	B beta-BHC	4.488	3.953	11832187	17682034	5.174	5.420
7)	B delta-BHC	4.734	4.186	24156921	36268479	5.368	4.935
8)	B Heptachlo...	5.652	4.790	26907428	32579174	5.229	5.151
9)	A Endosulfan I	6.033	5.161	21877049	32894341	5.091	5.490
10)	B gamma-Chl...	5.904	5.042	22642008	34712826	4.916m	5.251
11)	B alpha-Chl...	5.986	5.106	24258401	35602609	5.155	5.452
12)	B 4,4'-DDE	6.156	5.295	18561467	32197936	4.652	5.231
13)	MA Dieldrin	6.305	5.425	21326514	35821554	4.697	5.466
14)	MA Endrin	6.532	5.699	18761149	31319483	5.010	5.302
15)	B Endosulfa...	6.747	5.992	24477205	30963422	5.557	5.414
16)	A 4,4'-DDD	6.665	5.847	37416431	28535508	11.856	5.464 #
17)	MA 4,4'-DDT	6.979	6.098	17357947	45431712	4.956	8.295m#
18)	B Endrin al...	6.874	6.168	14591558	31652322	5.609	6.583m
19)	B Endosulfa...	7.108	6.394	17198067	31281761	5.009	5.583
20)	A Methoxychlor	7.453	6.672	9927466	17734851	5.720	5.912
21)	B Endrin ke...	7.587	6.898	17831493	37336337	5.016	5.965
22)	Mirex	8.065	7.088	15507850	28650368	5.183	5.899

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091125\
Data File : PL097122.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Sep 2025 13:36
Operator : AR\AJ
Sample : Q2893-02
Misc : PEST LOQ 5PPB
ALS Vial : 7 Sample Multiplier: 1

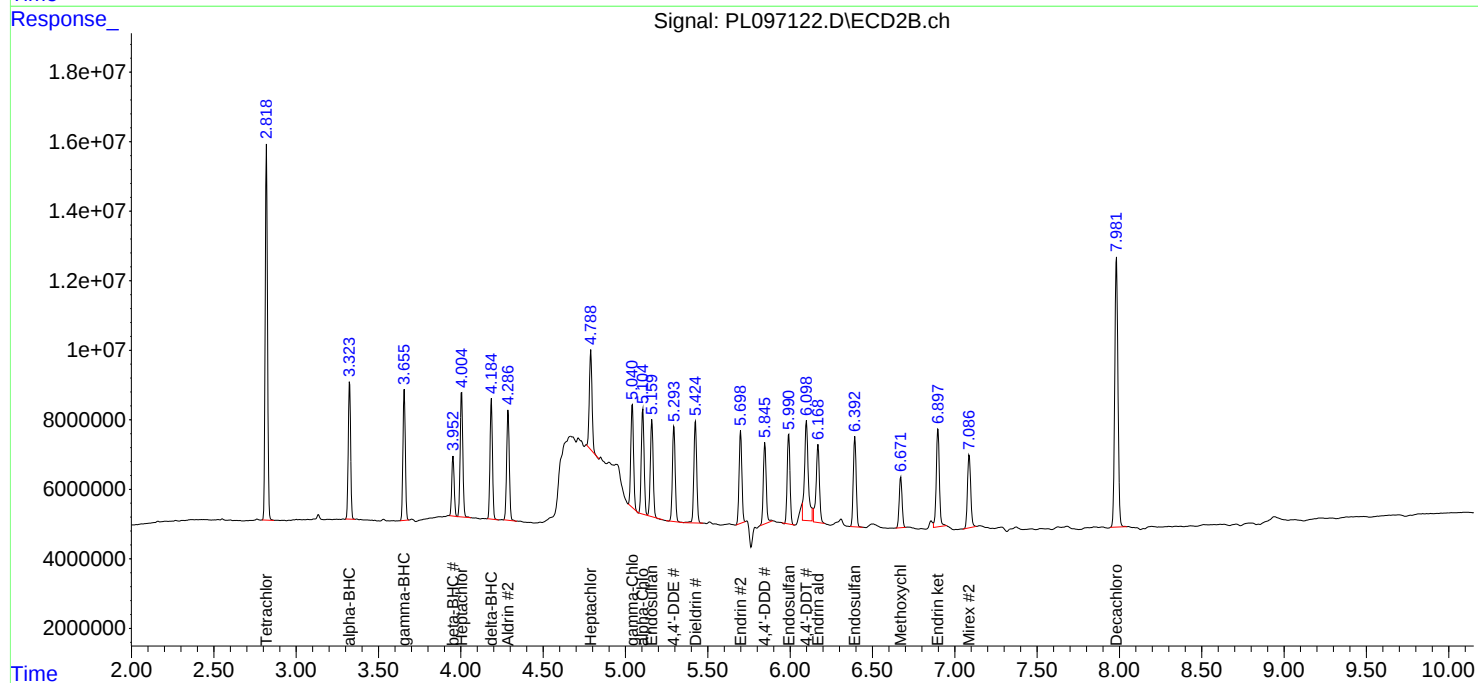
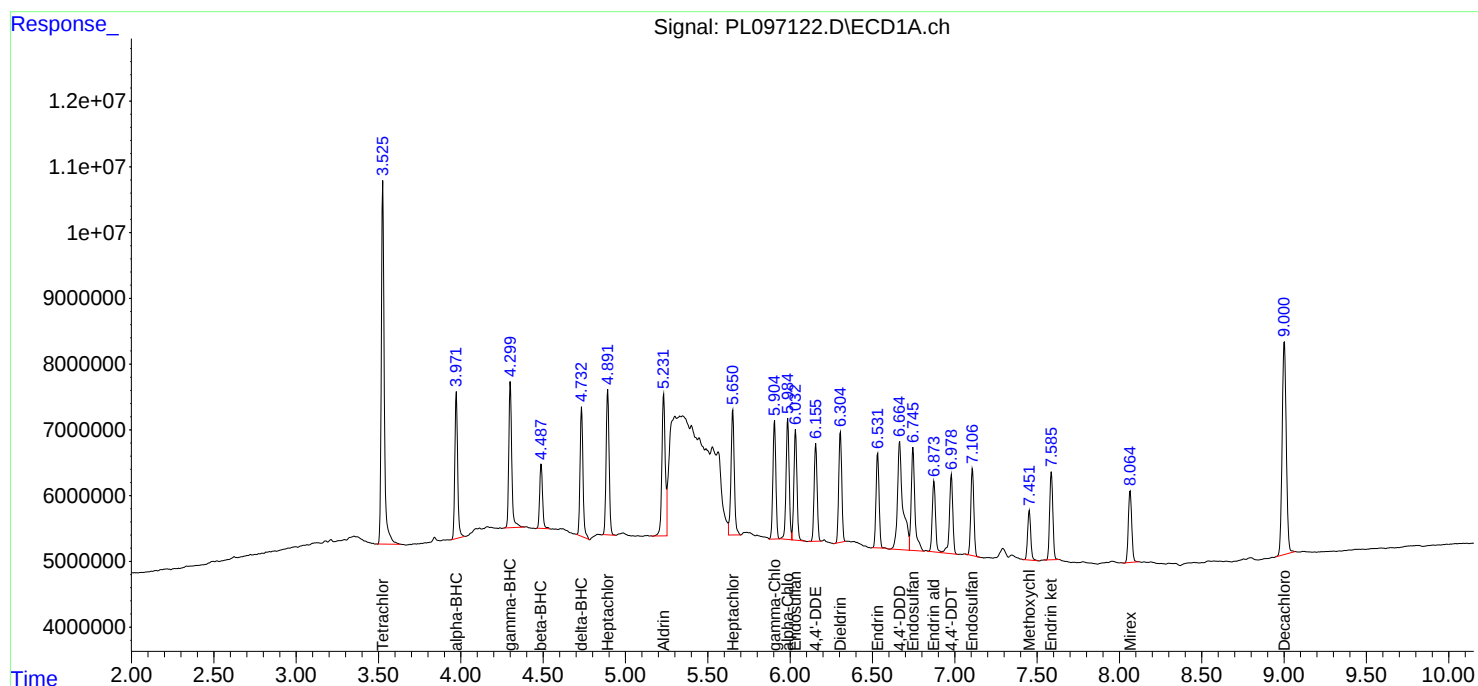
Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

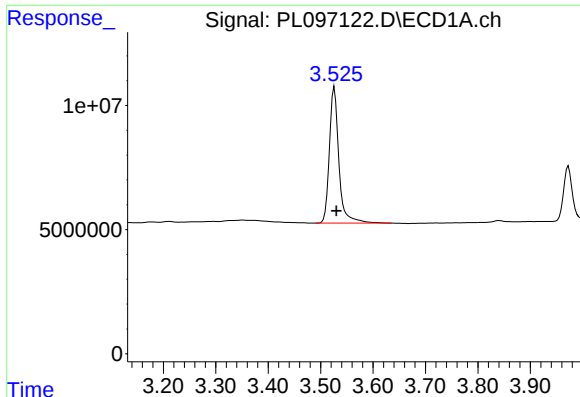
Manual Integrations
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Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 11 07:42:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Sep 11 07:41:18 2025
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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 x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





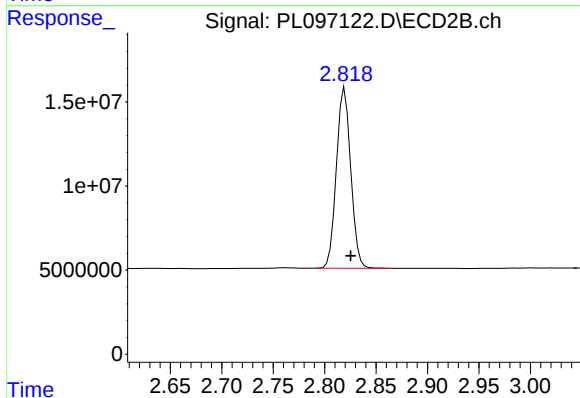
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: -0.004 min
Response: 68606962
Conc: 17.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

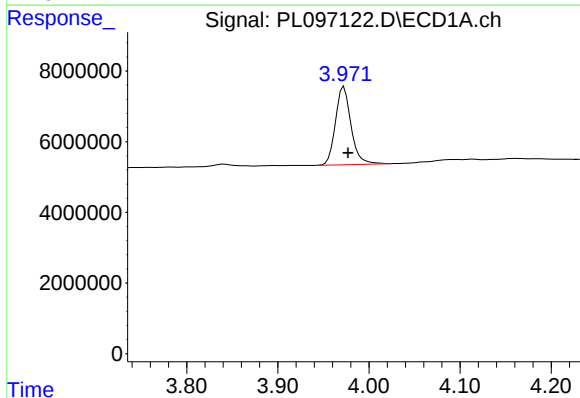
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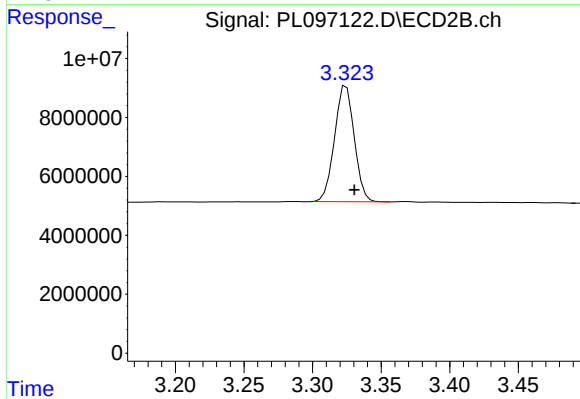
#1 Tetrachloro-m-xylene

R.T.: 2.820 min
Delta R.T.: -0.006 min
Response: 104000856
Conc: 18.45 ng/ml



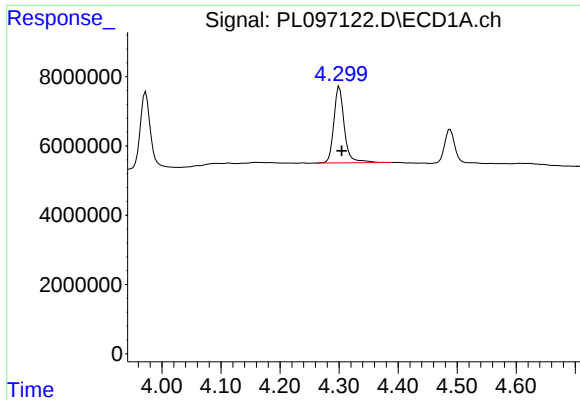
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.005 min
Response: 26185645
Conc: 4.52 ng/ml



#2 alpha-BHC

R.T.: 3.325 min
Delta R.T.: -0.006 min
Response: 39375084
Conc: 4.80 ng/ml



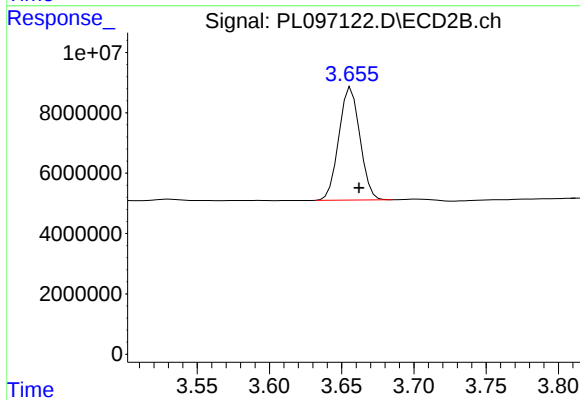
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.004 min
Response: 27308708
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

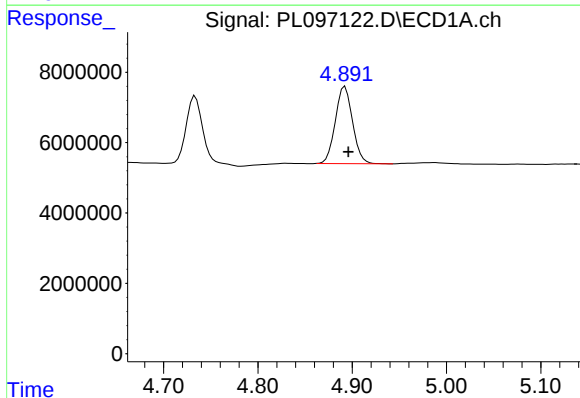
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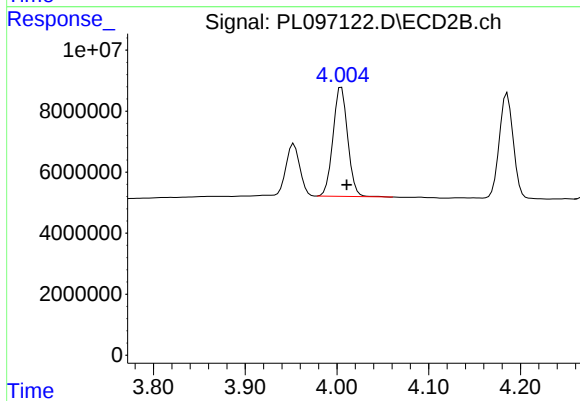
#3 gamma-BHC (Lindane)

R.T.: 3.657 min
Delta R.T.: -0.005 min
Response: 37818312
Conc: 5.13 ng/ml



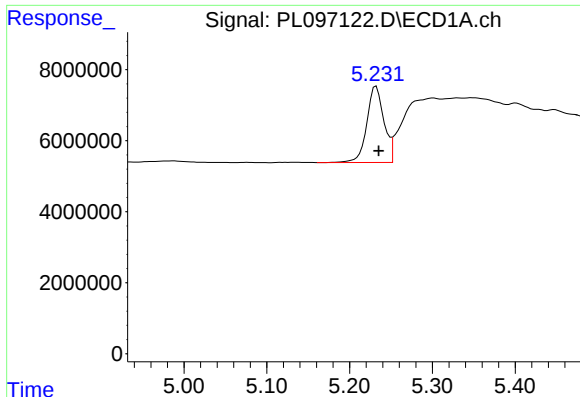
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 27853498
Conc: 5.22 ng/ml



#4 Heptachlor

R.T.: 4.005 min
Delta R.T.: -0.006 min
Response: 40054046
Conc: 5.32 ng/ml



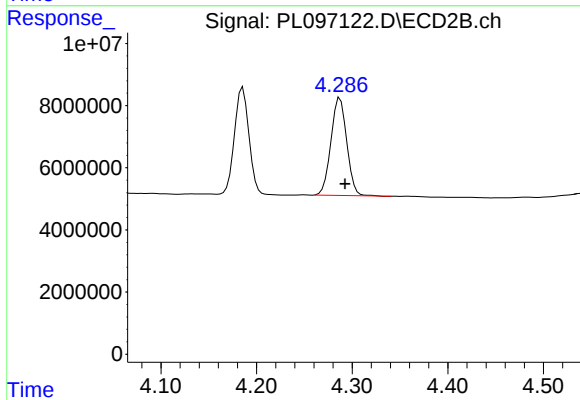
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: -0.003 min
Response: 30768992
Conc: 5.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

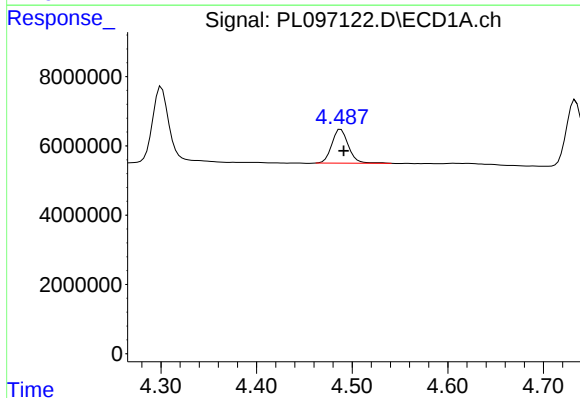
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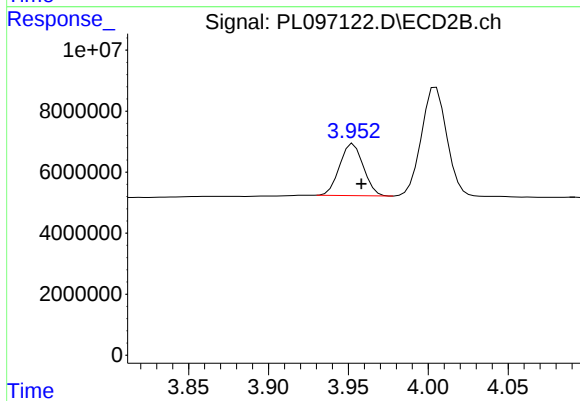
#5 Aldrin

R.T.: 4.287 min
Delta R.T.: -0.005 min
Response: 35913813
Conc: 5.11 ng/ml



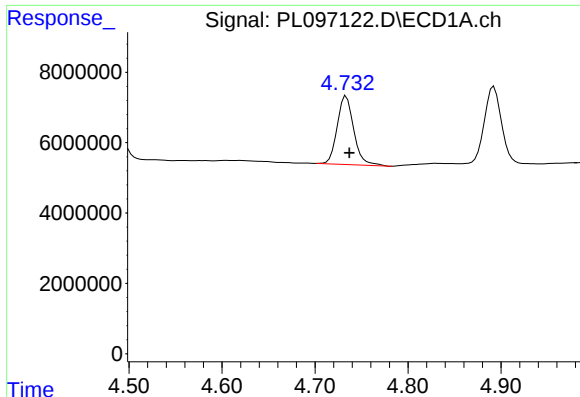
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 11832187
Conc: 5.17 ng/ml



#6 beta-BHC

R.T.: 3.953 min
Delta R.T.: -0.005 min
Response: 17682034
Conc: 5.42 ng/ml



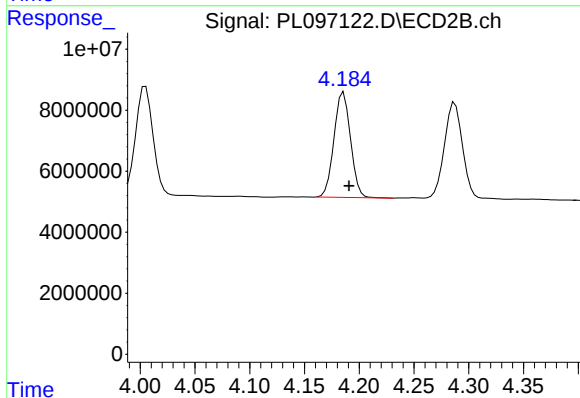
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 24156921
Conc: 5.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

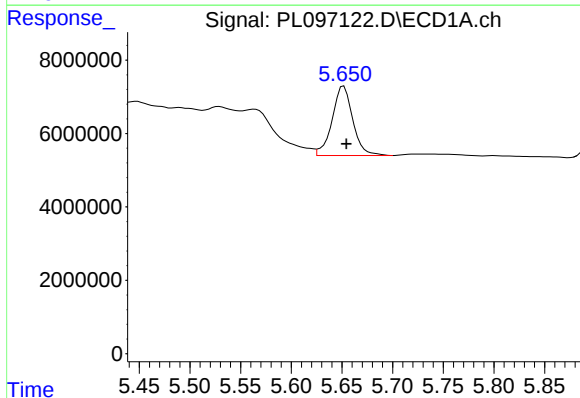
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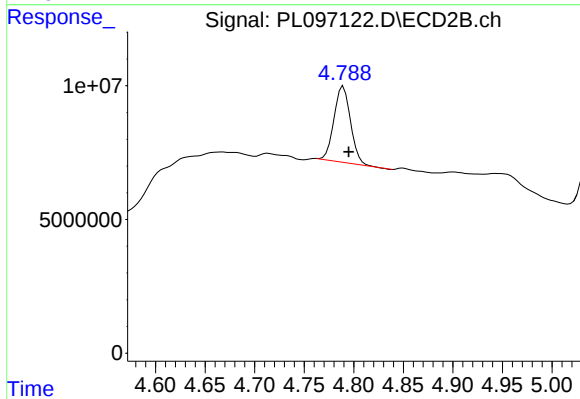
#7 delta-BHC

R.T.: 4.186 min
Delta R.T.: -0.005 min
Response: 36268479
Conc: 4.94 ng/ml



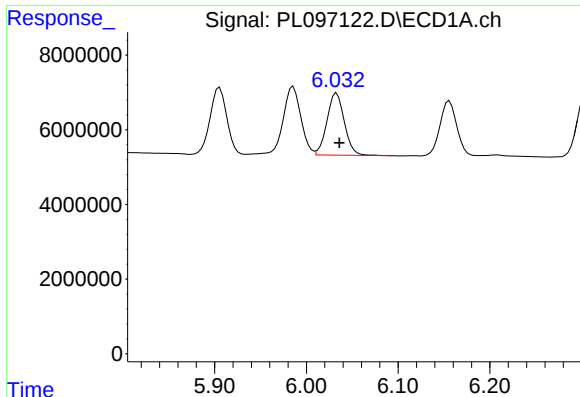
#8 Heptachlor epoxide

R.T.: 5.652 min
Delta R.T.: -0.003 min
Response: 26907428
Conc: 5.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.790 min
Delta R.T.: -0.005 min
Response: 32579174
Conc: 5.15 ng/ml



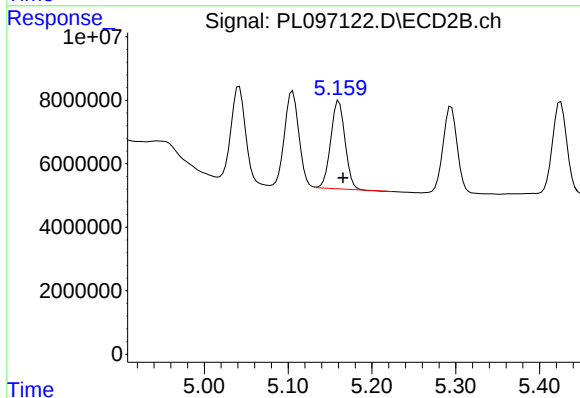
#9 Endosulfan I

R.T.: 6.033 min
Delta R.T.: -0.003 min
Response: 21877049
Conc: 5.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

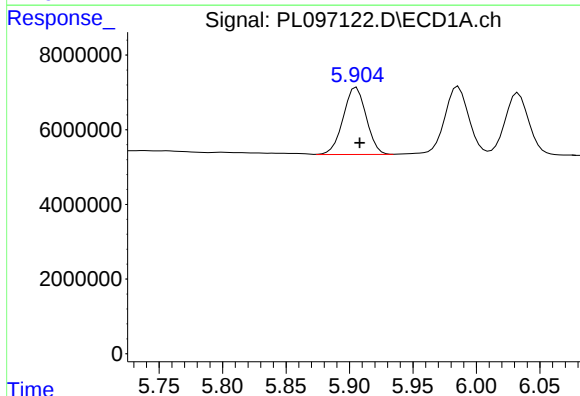
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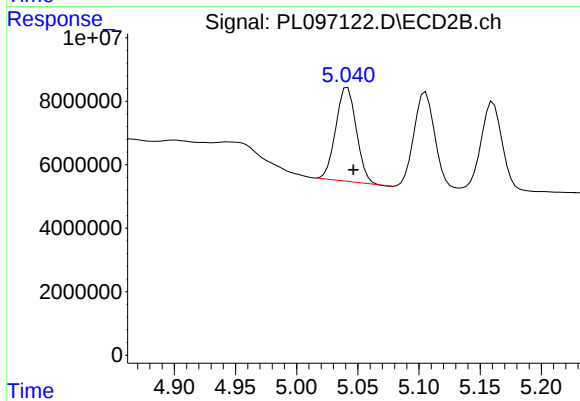
#9 Endosulfan I

R.T.: 5.161 min
Delta R.T.: -0.005 min
Response: 32894341
Conc: 5.49 ng/ml



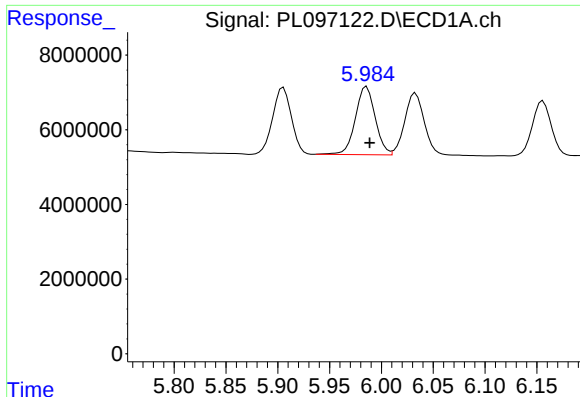
#10 gamma-Chlordane

R.T.: 5.904 min
Delta R.T.: -0.004 min
Response: 22642008
Conc: 4.92 ng/ml m



#10 gamma-Chlordane

R.T.: 5.042 min
Delta R.T.: -0.005 min
Response: 34712826
Conc: 5.25 ng/ml



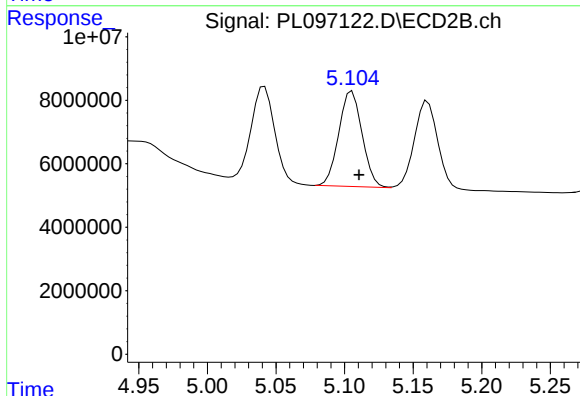
#11 alpha-Chlordane

R.T.: 5.986 min
Delta R.T.: -0.003 min
Response: 24258401
Conc: 5.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

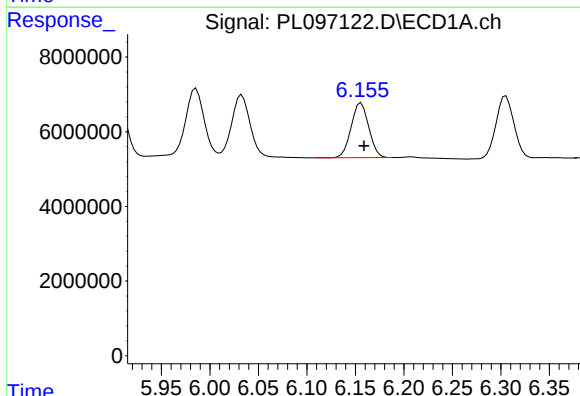
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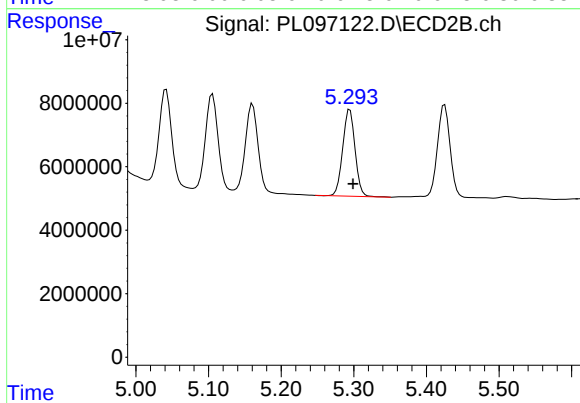
#11 alpha-Chlordane

R.T.: 5.106 min
Delta R.T.: -0.005 min
Response: 35602609
Conc: 5.45 ng/ml



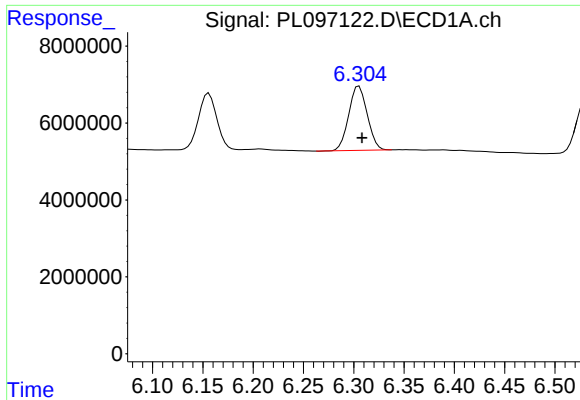
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: -0.003 min
Response: 18561467
Conc: 4.65 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.005 min
Response: 32197936
Conc: 5.23 ng/ml



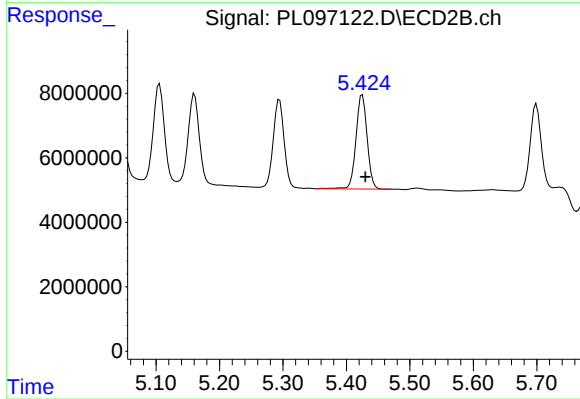
#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: -0.003 min
Response: 21326514
Conc: 4.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

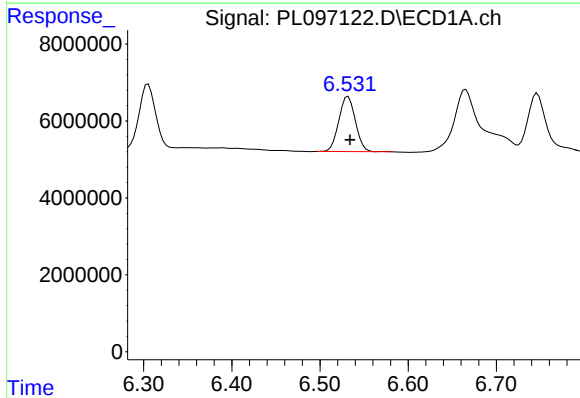
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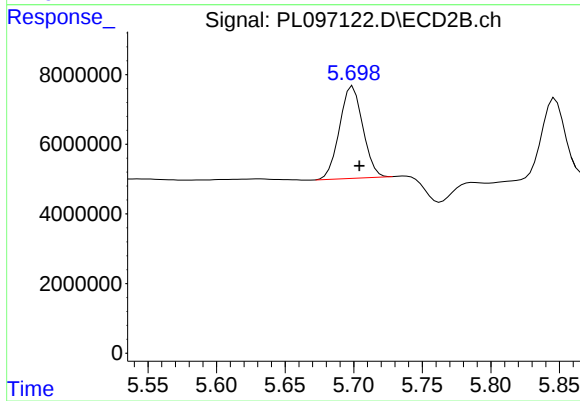
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: -0.005 min
Response: 35821554
Conc: 5.47 ng/ml



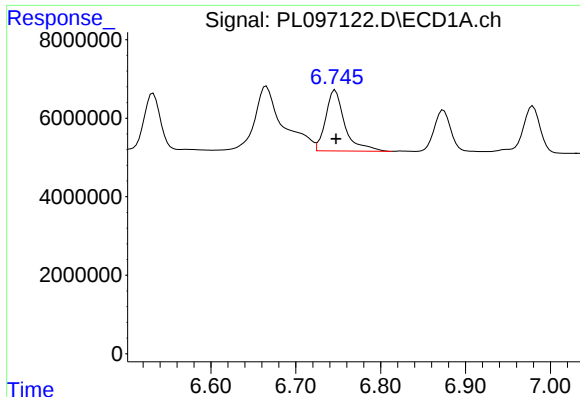
#14 Endrin

R.T.: 6.532 min
Delta R.T.: -0.002 min
Response: 18761149
Conc: 5.01 ng/ml



#14 Endrin

R.T.: 5.699 min
Delta R.T.: -0.005 min
Response: 31319483
Conc: 5.30 ng/ml



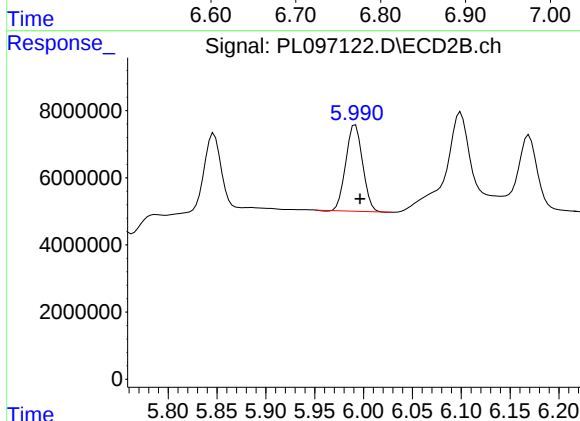
#15 Endosulfan II

R.T.: 6.747 min
Delta R.T.: 0.000 min
Response: 24477205
Conc: 5.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

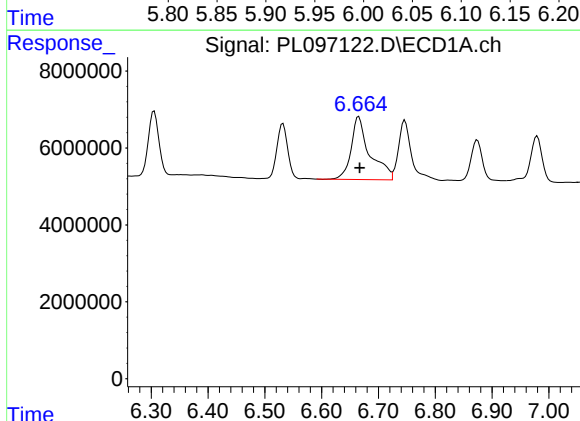
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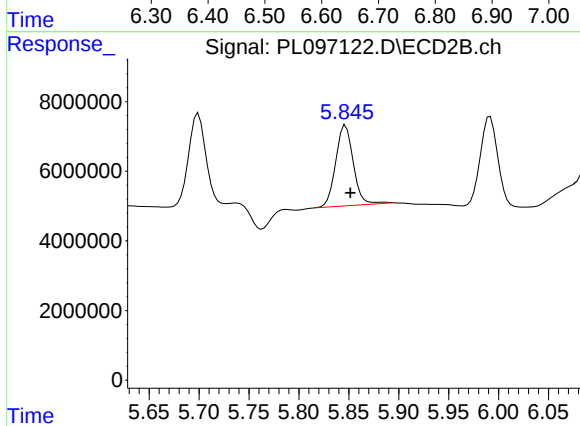
#15 Endosulfan II

R.T.: 5.992 min
Delta R.T.: -0.005 min
Response: 30963422
Conc: 5.41 ng/ml



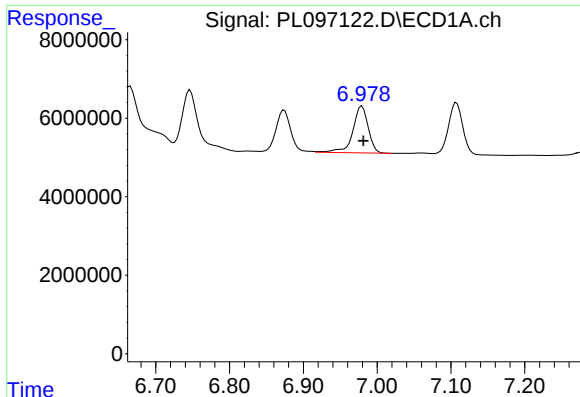
#16 4,4'-DDD

R.T.: 6.665 min
Delta R.T.: -0.002 min
Response: 37416431
Conc: 11.86 ng/ml



#16 4,4'-DDD

R.T.: 5.847 min
Delta R.T.: -0.005 min
Response: 28535508
Conc: 5.46 ng/ml



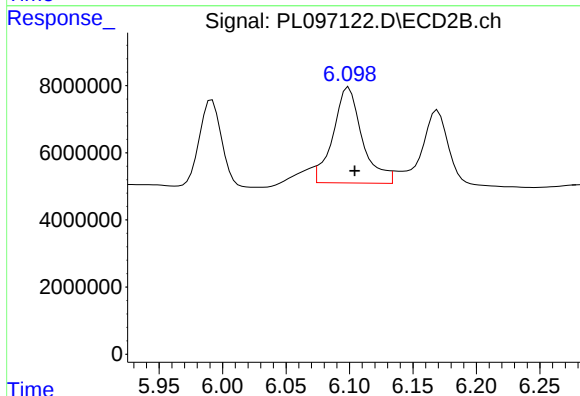
#17 4,4'-DDT

R.T.: 6.979 min
Delta R.T.: -0.002 min
Response: 17357947
Conc: 4.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

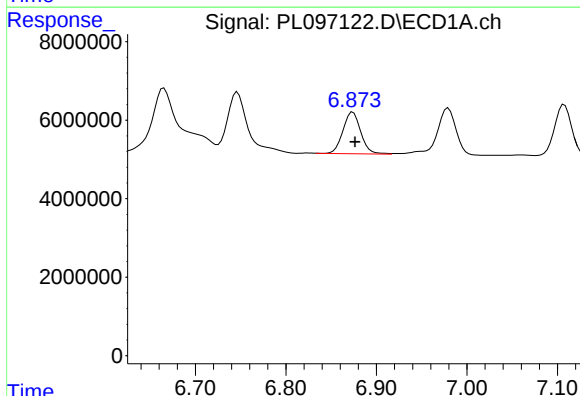
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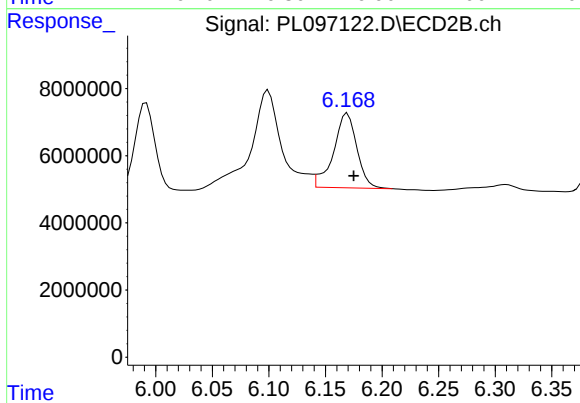
#17 4,4'-DDT

R.T.: 6.098 min
Delta R.T.: -0.006 min
Response: 45431712
Conc: 8.29 ng/ml m



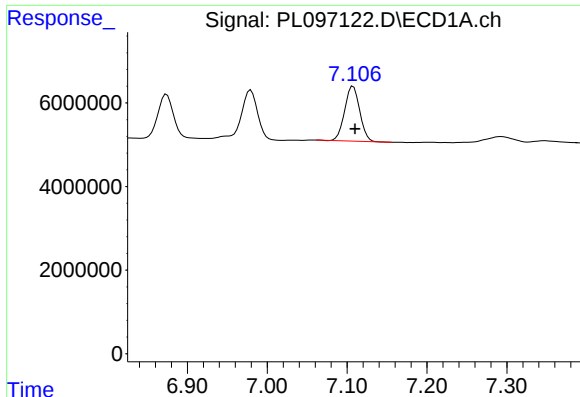
#18 Endrin aldehyde

R.T.: 6.874 min
Delta R.T.: -0.002 min
Response: 14591558
Conc: 5.61 ng/ml



#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.007 min
Response: 31652322
Conc: 6.58 ng/ml m



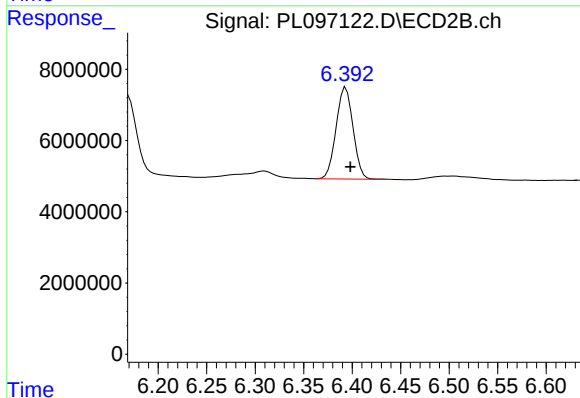
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: -0.002 min
Response: 17198067
Conc: 5.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
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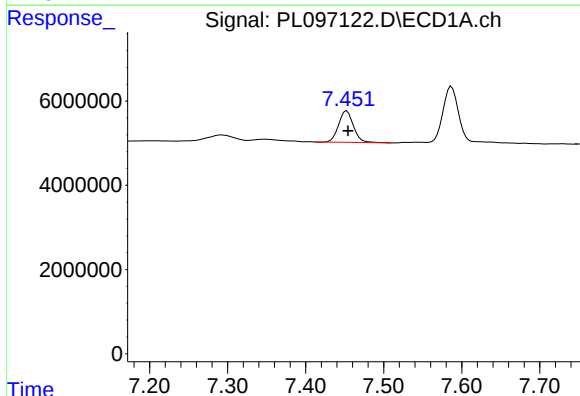
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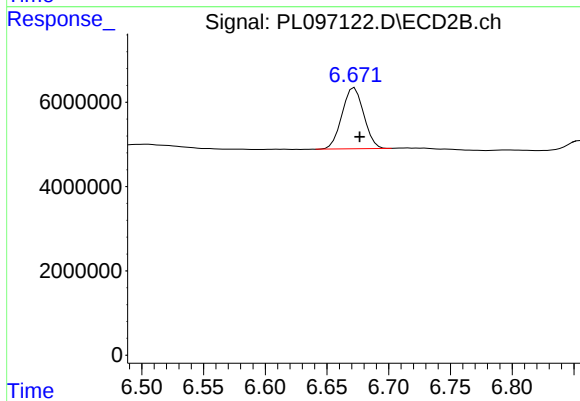
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.005 min
Response: 31281761
Conc: 5.58 ng/ml



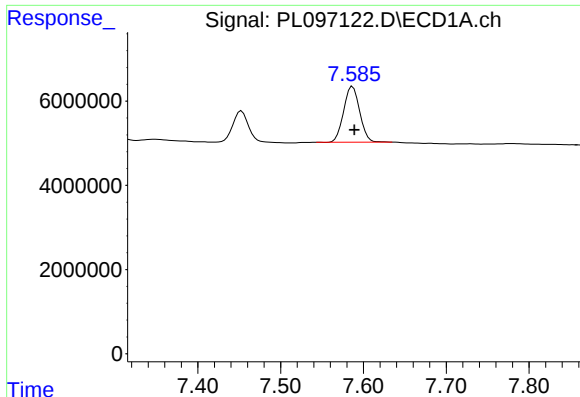
#20 Methoxychlor

R.T.: 7.453 min
Delta R.T.: -0.001 min
Response: 9927466
Conc: 5.72 ng/ml



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.004 min
Response: 17734851
Conc: 5.91 ng/ml



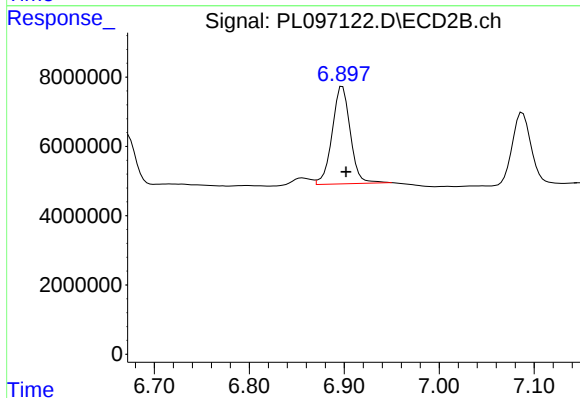
#21 Endrin ketone

R.T.: 7.587 min
Delta R.T.: -0.002 min
Response: 17831493
Conc: 5.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

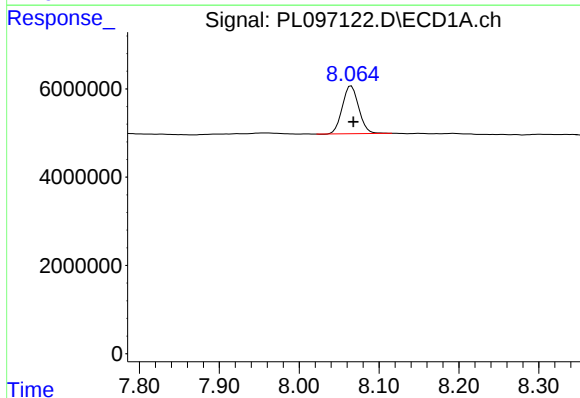
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/11/2025
Supervised By :mohammad ahmed 09/16/2025



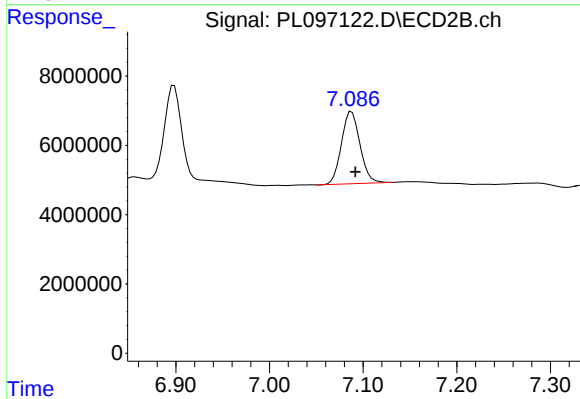
#21 Endrin ketone

R.T.: 6.898 min
Delta R.T.: -0.004 min
Response: 37336337
Conc: 5.97 ng/ml



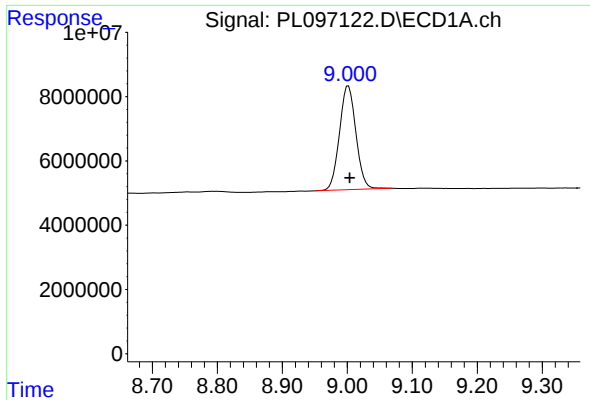
#22 Mirex

R.T.: 8.065 min
Delta R.T.: -0.002 min
Response: 15507850
Conc: 5.18 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.004 min
Response: 28650368
Conc: 5.90 ng/ml



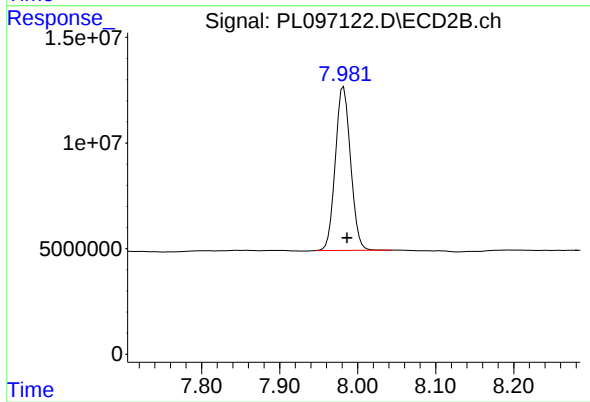
#28 Decachlorobiphenyl

R.T.: 9.002 min
Delta R.T.: -0.002 min
Response: 56851643
Conc: 19.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOQ-SOIL-02-QT3-2025

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.005 min
Response: 105259404
Conc: 21.95 ng/ml