

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
 Data File : PL097054.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 17:12
 Operator : AR\AJ
 Sample : Q2893-01
 Misc : PEST LOD 1PPB
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 09:22:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 05 09:22:10 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...	3.529	2.824	71980535	106.0E6	18.251	18.813
28)	SA Decachlor...	9.004	7.986	59609736	106.2E6	20.134	22.146
Target Compounds							
2)	A alpha-BHC	3.976	3.329	5508829	8393888	0.951	1.022
3)	MA gamma-BHC...	4.304	3.661	5666302	7834949	1.037	1.064
4)	MA Heptachlor	4.895	4.009	6140928	8456351	1.152	1.124
5)	MB Aldrin	5.234	4.292	5732622	7840453	1.091	1.115
6)	B beta-BHC	4.490	3.956	2476668	4096104	1.083m	1.256m
7)	B delta-BHC	4.735	4.190	5372992	7454564	1.194m	1.014
8)	B Heptachlo...	5.651	4.794	6171696	7569853	1.199m	1.197
9)	A Endosulfan I	6.036	5.165	5061680	7227419	1.178	1.206
10)	B gamma-Chl...	5.907	5.044	5055463	6885629	1.098	1.042m
11)	B alpha-Chl...	5.988	5.110	5738138	7491416	1.219	1.147
12)	B 4,4'-DDE	6.156	5.298	4133157	6840191	1.036m	1.111
13)	MA Dieldrin	6.308	5.428	5060433	8002370	1.114	1.221m
14)	MA Endrin	6.533	5.708	3886484	10952069	1.038m	1.854 #
15)	B Endosulfa...	6.745	5.994	8166986	6934451	1.854	1.213m#
16)	A 4,4'-DDD	6.666	5.849	3256258	5980504	1.032m	1.145m
17)	MA 4,4'-DDT	6.980	6.103	2913022	5133314	0.832m	0.937
18)	B Endrin al...	6.875	6.173	3325066	14499554	1.278m	3.015 #
19)	B Endosulfa...	7.108	6.397	3927835	6758103	1.144m	1.206
20)	A Methoxychlor	7.452	6.674	1520523	3268247	0.876m	1.089m
21)	B Endrin ke...	7.587	6.899	4016319	11752691	1.130m	1.878m#
22)	Mirex	8.066	7.091	3721762	6337876	1.244m	1.305

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL090525\
Data File : PL097054.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 17:12
Operator : AR\AJ
Sample : Q2893-01
Misc : PEST LOD 1PPB
ALS Vial : 7 Sample Multiplier: 1

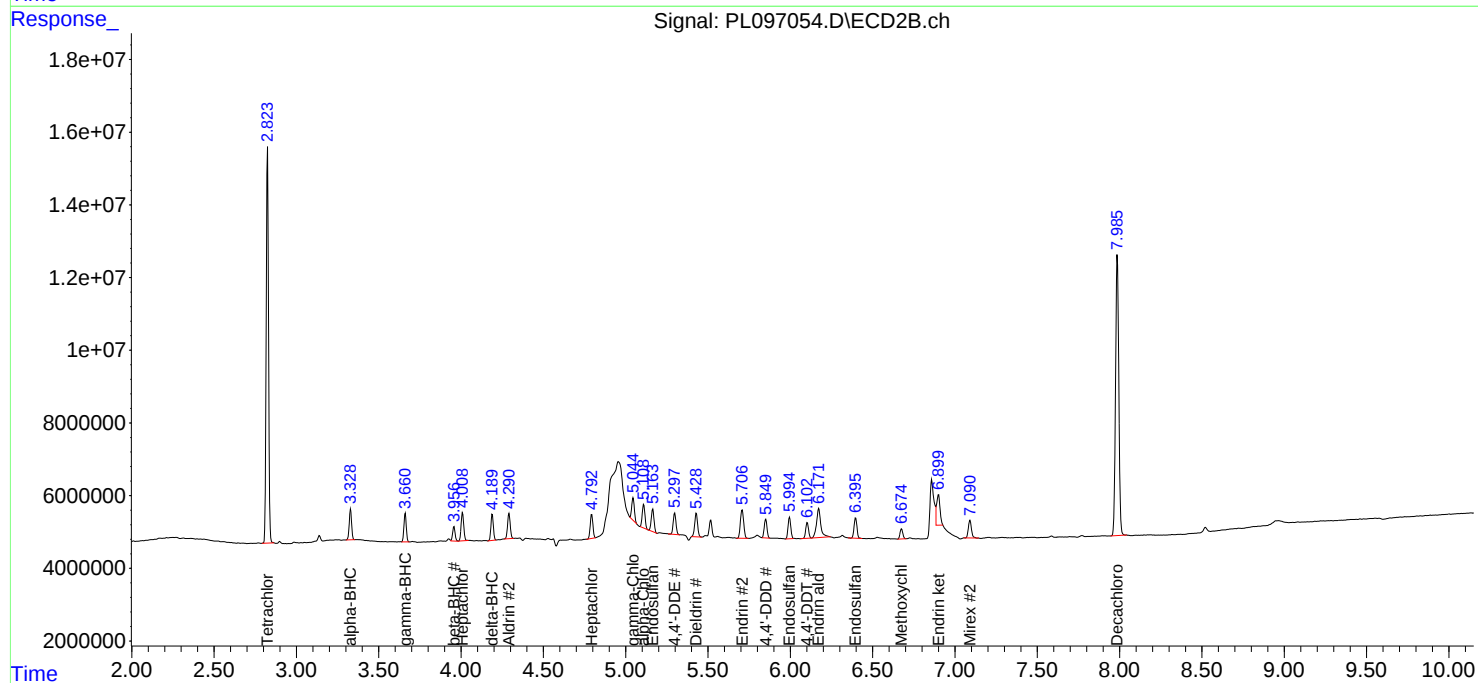
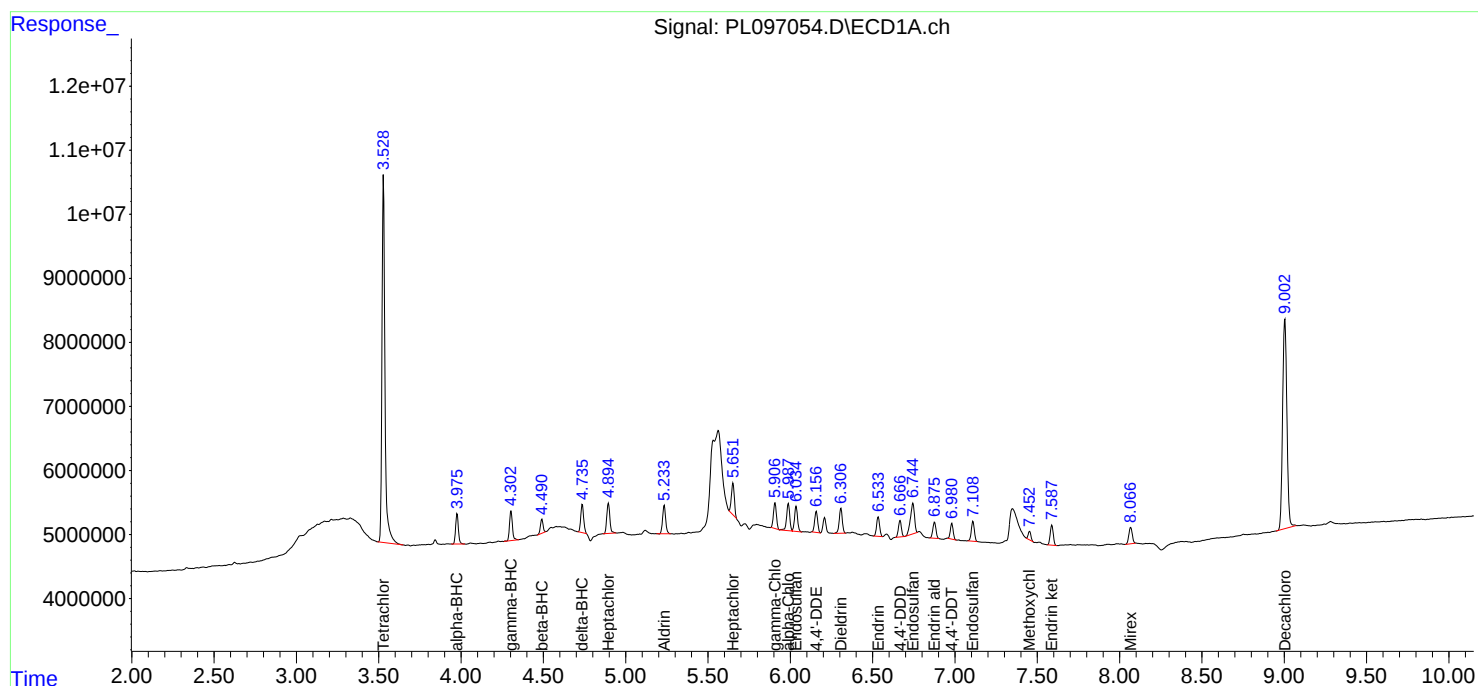
Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

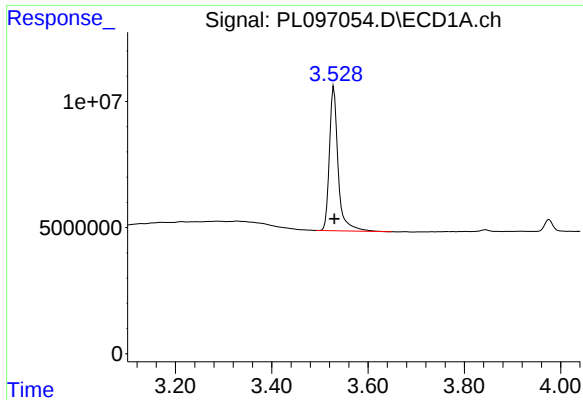
Manual Integrations
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Supervised By :mohammad ahmed 09/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 09:22:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 05 09:22:10 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





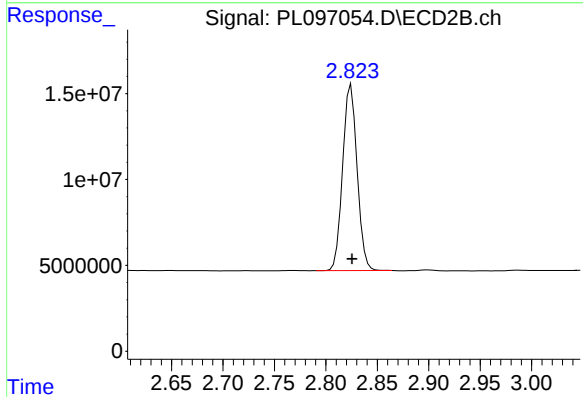
#1 Tetrachloro-m-xylene

R.T.: 3.529 min
Delta R.T.: -0.001 min
Response: 71980535
Conc: 18.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

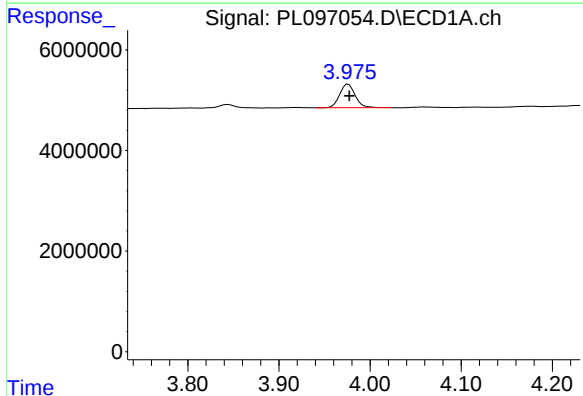
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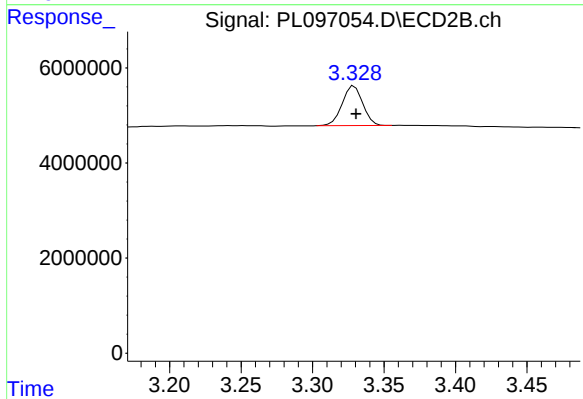
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: 0.000 min
Response: 106043898
Conc: 18.81 ng/ml



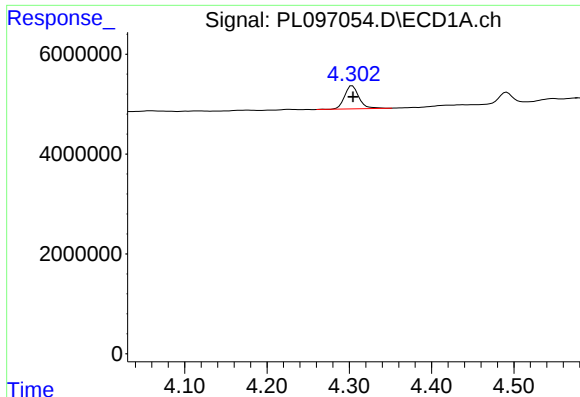
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: 0.000 min
Response: 5508829
Conc: 0.95 ng/ml



#2 alpha-BHC

R.T.: 3.329 min
Delta R.T.: -0.001 min
Response: 8393888
Conc: 1.02 ng/ml



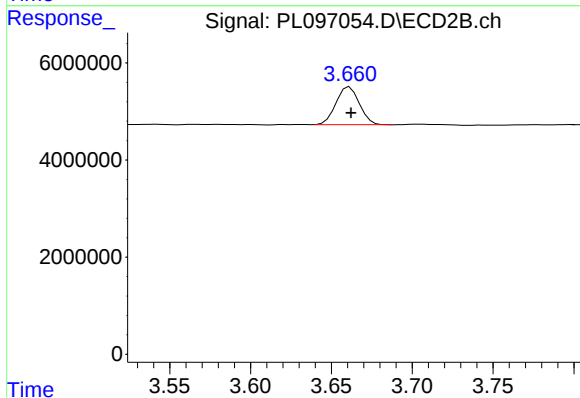
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: 0.000 min
Response: 5666302
Conc: 1.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

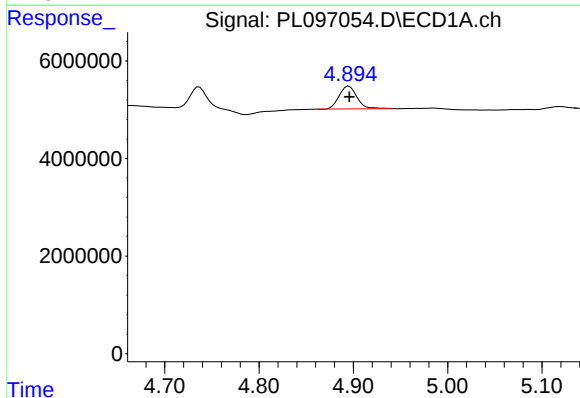
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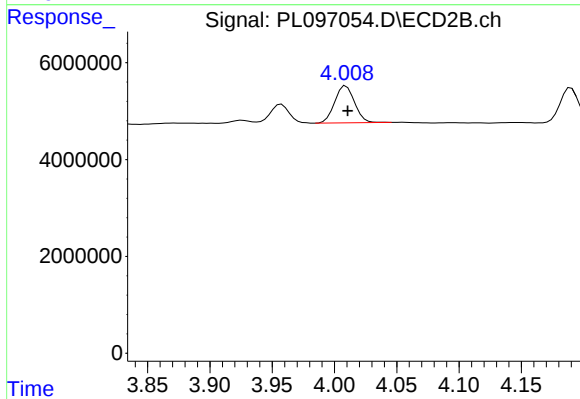
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 7834949
Conc: 1.06 ng/ml



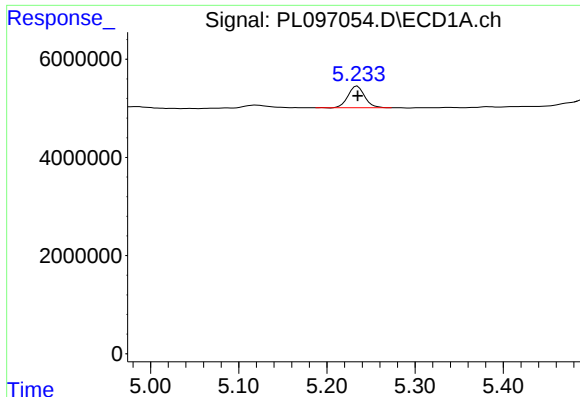
#4 Heptachlor

R.T.: 4.895 min
Delta R.T.: 0.000 min
Response: 6140928
Conc: 1.15 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: -0.001 min
Response: 8456351
Conc: 1.12 ng/ml



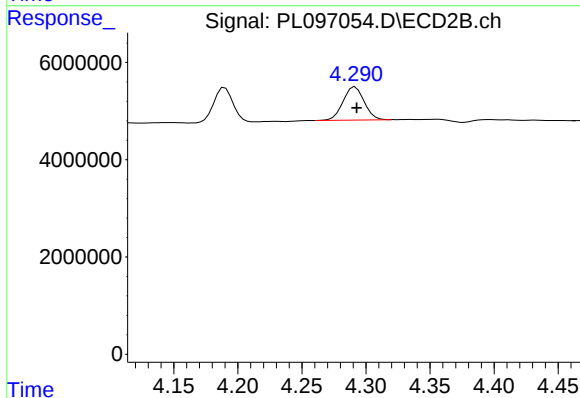
#5 Aldrin

R.T.: 5.234 min
Delta R.T.: 0.000 min
Response: 5732622
Conc: 1.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

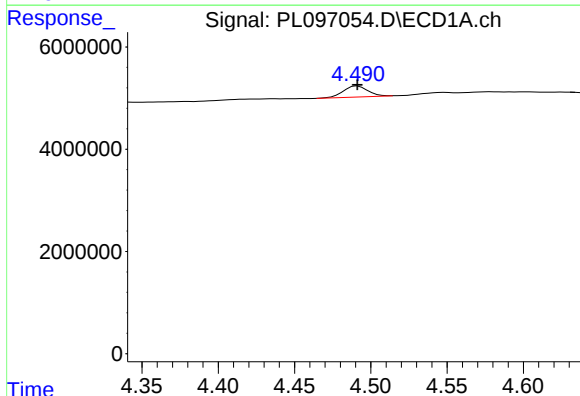
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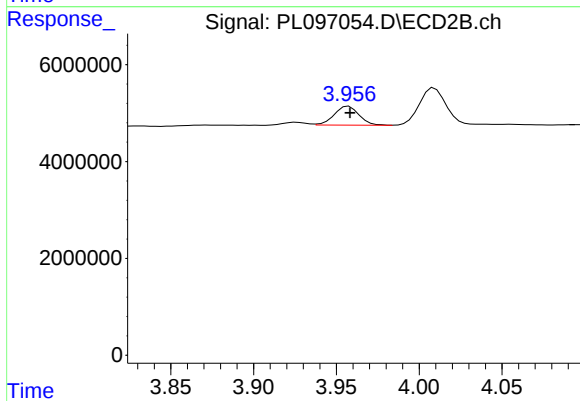
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: -0.001 min
Response: 7840453
Conc: 1.11 ng/ml



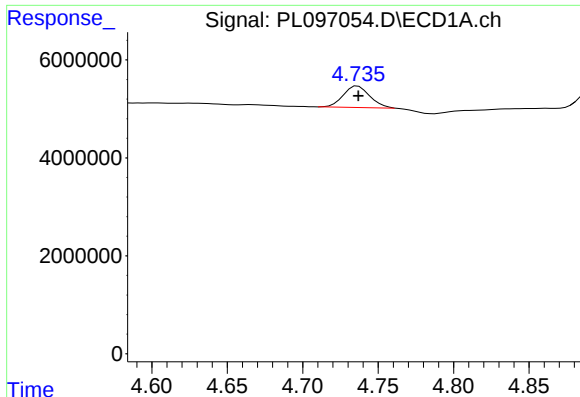
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.001 min
Response: 2476668
Conc: 1.08 ng/ml m



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.002 min
Response: 4096104
Conc: 1.26 ng/ml m



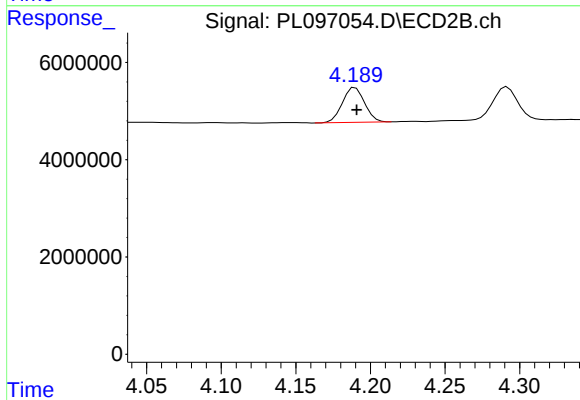
#7 delta-BHC

R.T.: 4.735 min
Delta R.T.: -0.002 min
Response: 5372992
Conc: 1.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

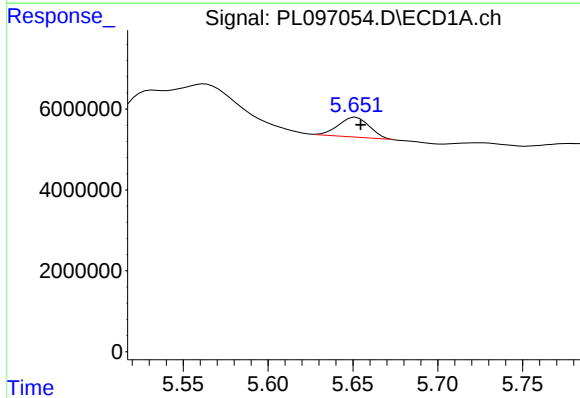
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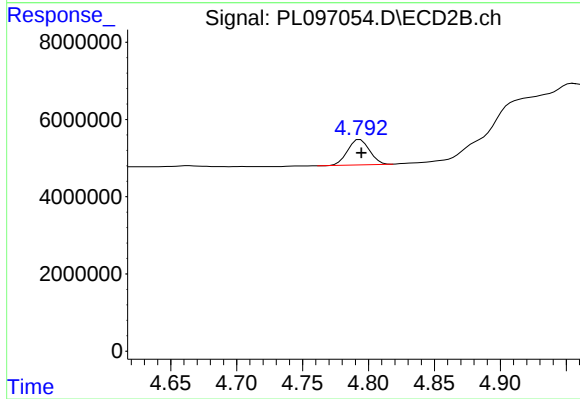
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 7454564
Conc: 1.01 ng/ml



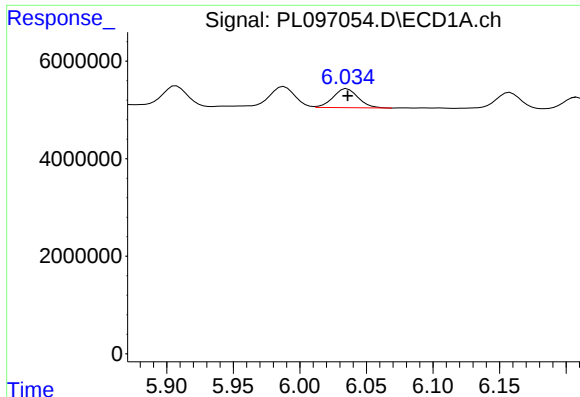
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 6171696
Conc: 1.20 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: -0.001 min
Response: 7569853
Conc: 1.20 ng/ml



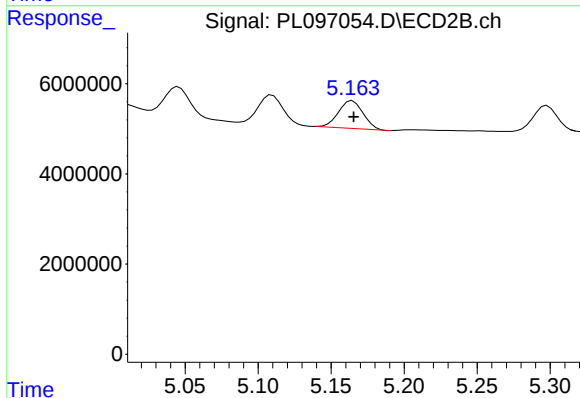
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: 0.000 min
Response: 5061680
Conc: 1.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

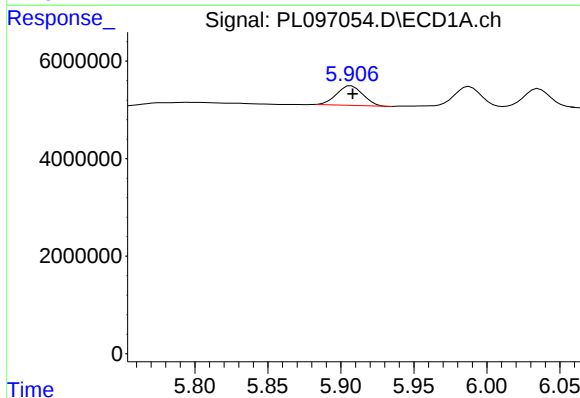
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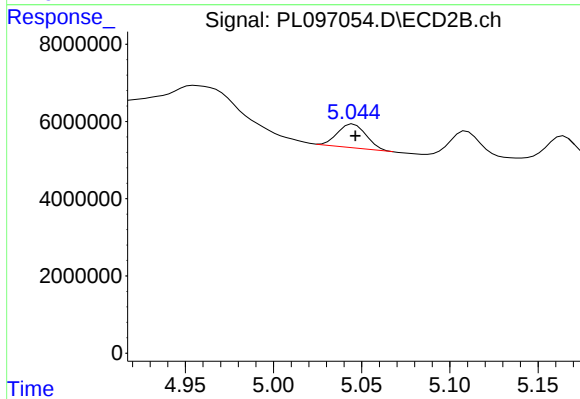
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: 0.000 min
Response: 7227419
Conc: 1.21 ng/ml



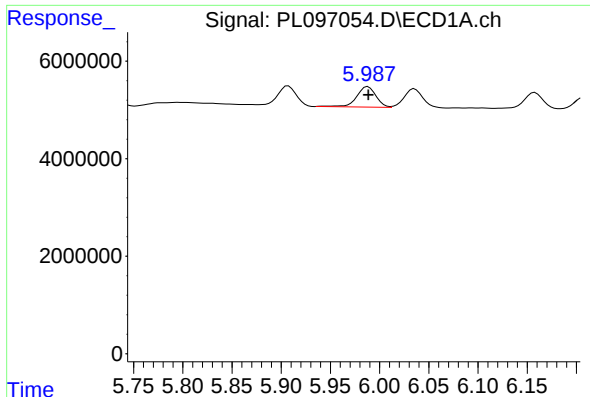
#10 gamma-Chlordane

R.T.: 5.907 min
Delta R.T.: 0.000 min
Response: 5055463
Conc: 1.10 ng/ml



#10 gamma-Chlordane

R.T.: 5.044 min
Delta R.T.: -0.003 min
Response: 6885629
Conc: 1.04 ng/ml m



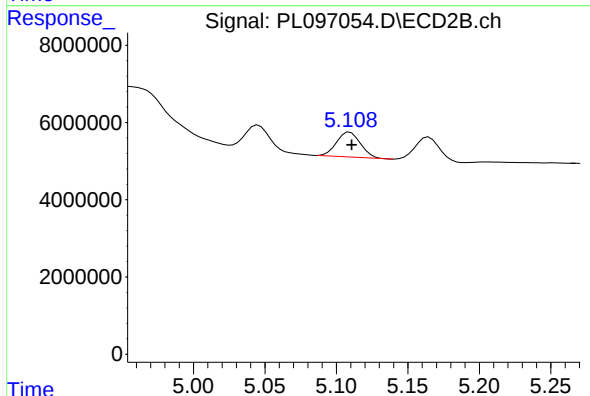
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: 0.000 min
Response: 5738138
Conc: 1.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

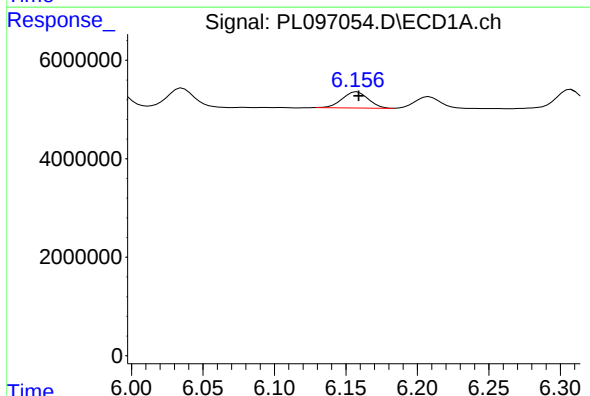
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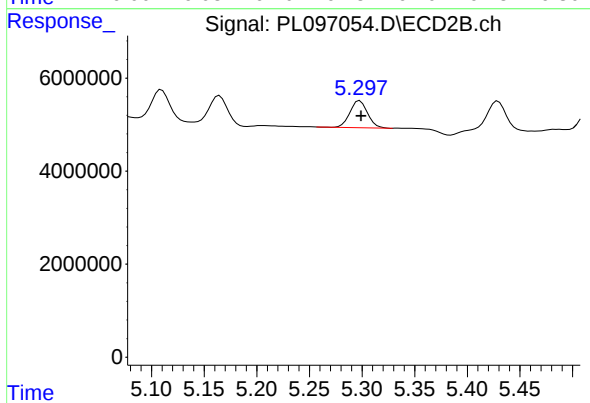
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.001 min
Response: 7491416
Conc: 1.15 ng/ml



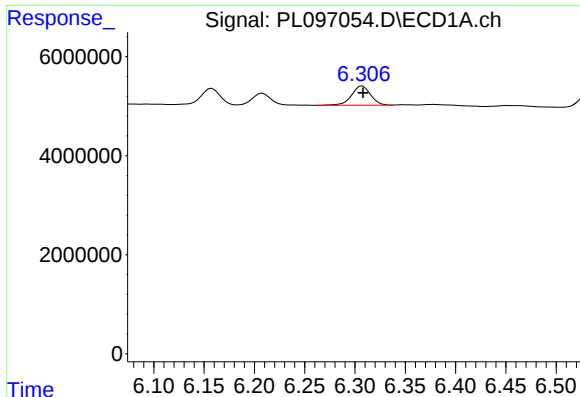
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: -0.002 min
Response: 4133157
Conc: 1.04 ng/ml m



#12 4,4'-DDE

R.T.: 5.298 min
Delta R.T.: -0.001 min
Response: 6840191
Conc: 1.11 ng/ml



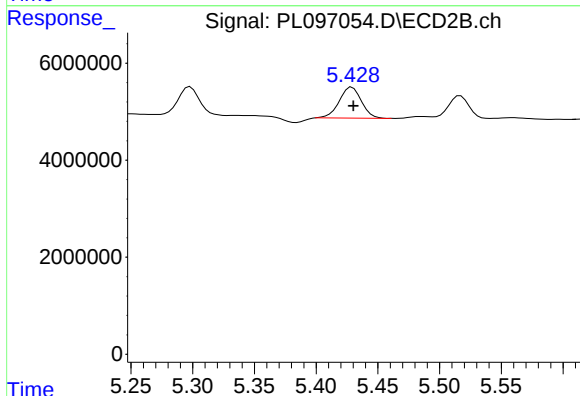
#13 Dieldrin

R.T.: 6.308 min
Delta R.T.: 0.000 min
Response: 5060433
Conc: 1.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

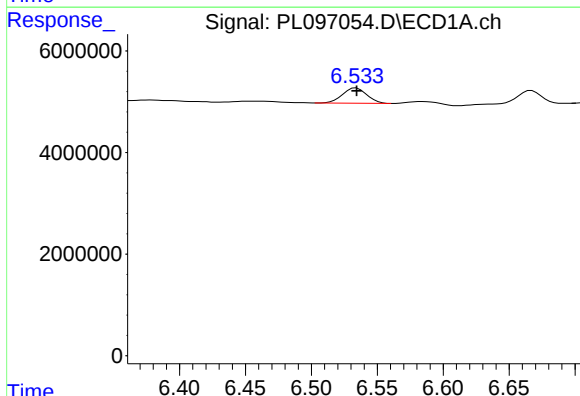
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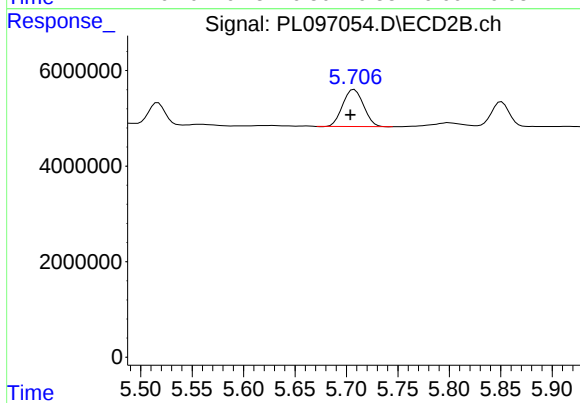
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: -0.003 min
Response: 8002370
Conc: 1.22 ng/ml m



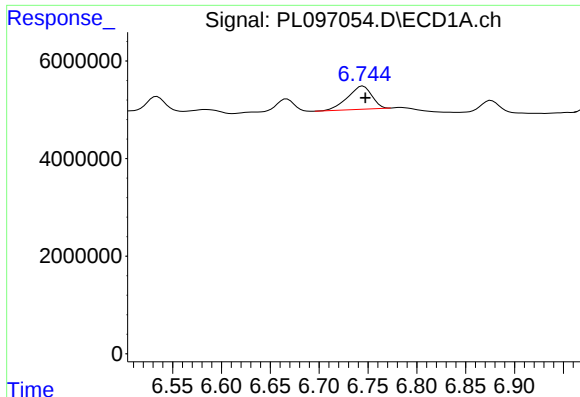
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.002 min
Response: 3886484
Conc: 1.04 ng/ml m



#14 Endrin

R.T.: 5.708 min
Delta R.T.: 0.003 min
Response: 10952069
Conc: 1.85 ng/ml



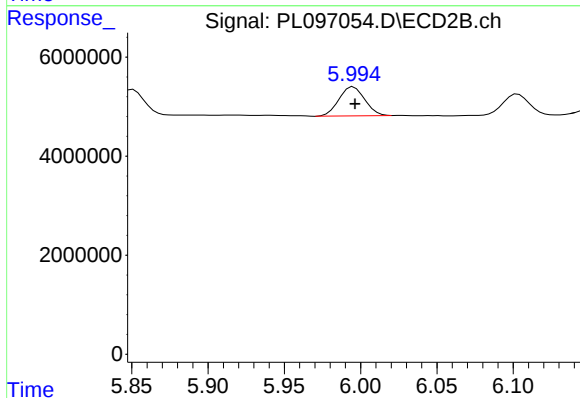
#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: -0.003 min
Response: 8166986
Conc: 1.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

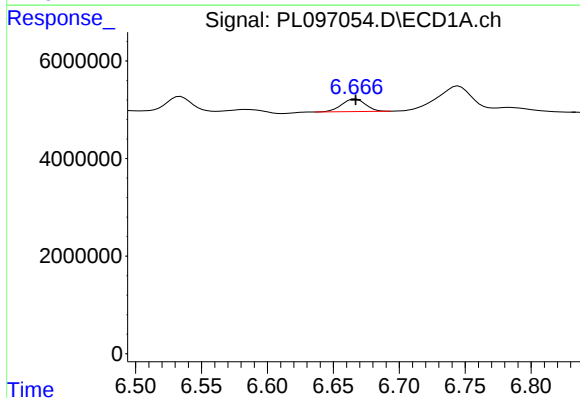
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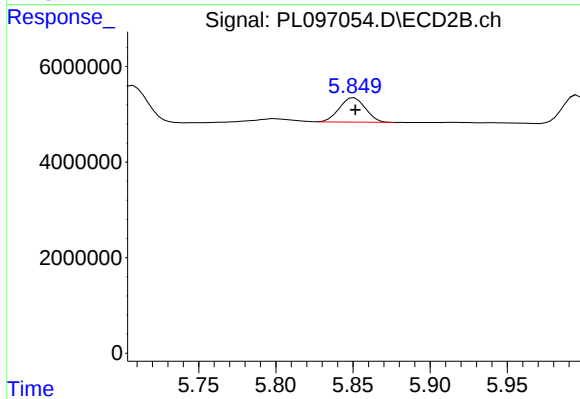
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 6934451
Conc: 1.21 ng/ml m



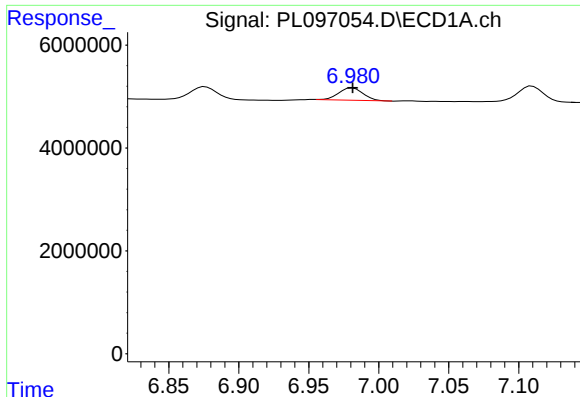
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: -0.001 min
Response: 3256258
Conc: 1.03 ng/ml m



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: -0.002 min
Response: 5980504
Conc: 1.15 ng/ml m



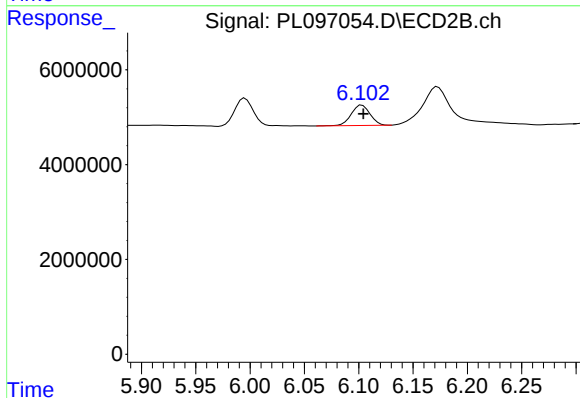
#17 4,4'-DDT

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 2913022
Conc: 0.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

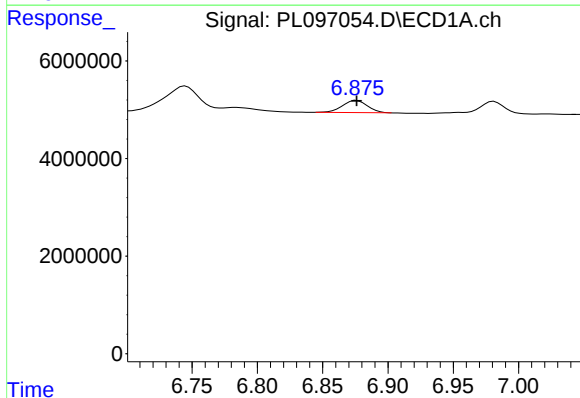
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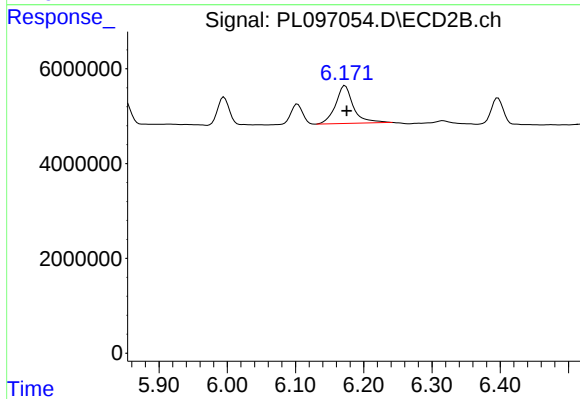
#17 4,4'-DDT

R.T.: 6.103 min
Delta R.T.: -0.001 min
Response: 5133314
Conc: 0.94 ng/ml



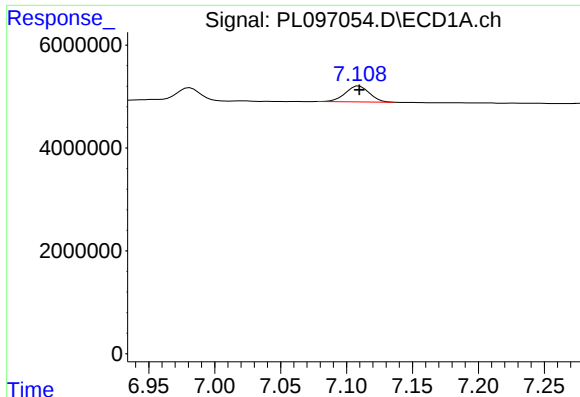
#18 Endrin aldehyde

R.T.: 6.875 min
Delta R.T.: -0.001 min
Response: 3325066
Conc: 1.28 ng/ml m



#18 Endrin aldehyde

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 14499554
Conc: 3.02 ng/ml



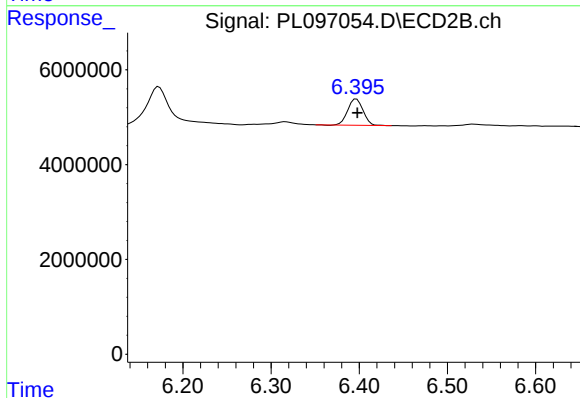
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: -0.002 min
Response: 3927835
Conc: 1.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

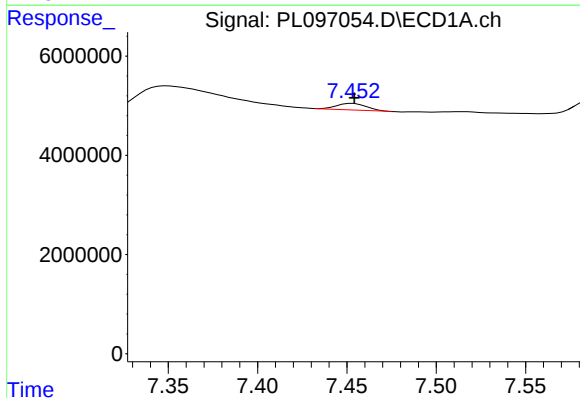
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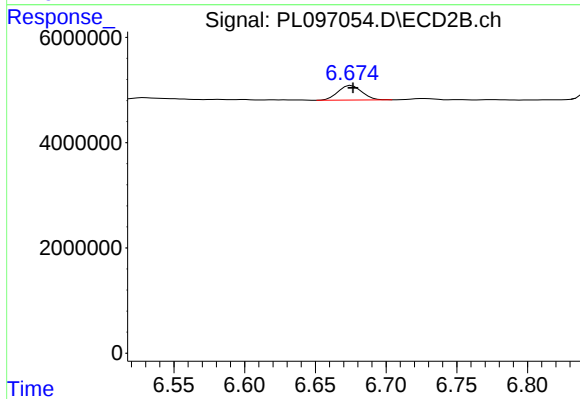
#19 Endosulfan Sulfate

R.T.: 6.397 min
Delta R.T.: -0.001 min
Response: 6758103
Conc: 1.21 ng/ml



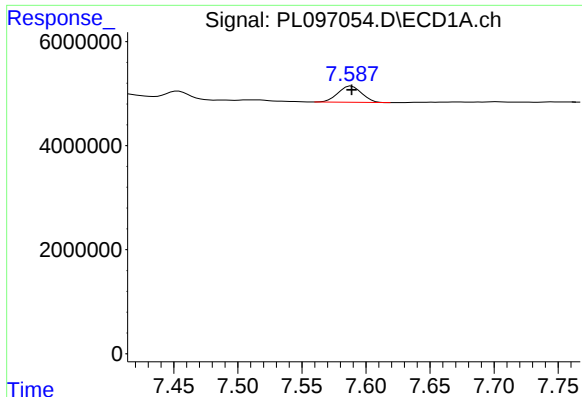
#20 Methoxychlor

R.T.: 7.452 min
Delta R.T.: -0.002 min
Response: 1520523
Conc: 0.88 ng/ml m



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: -0.002 min
Response: 3268247
Conc: 1.09 ng/ml m



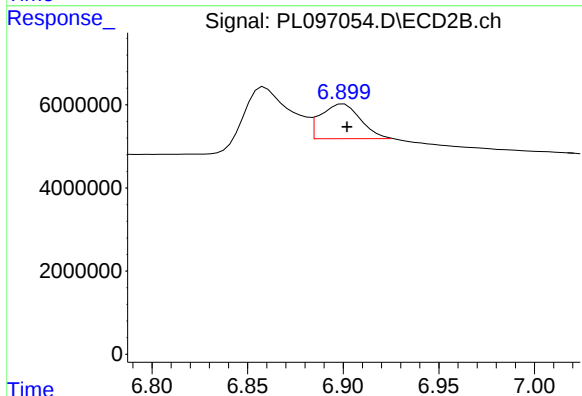
#21 Endrin ketone

R.T.: 7.587 min
Delta R.T.: -0.002 min
Response: 4016319
Conc: 1.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

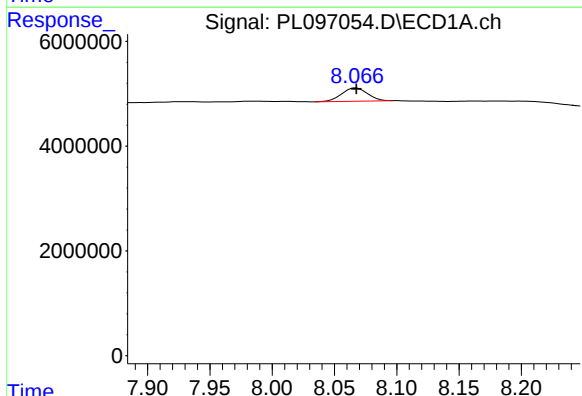
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



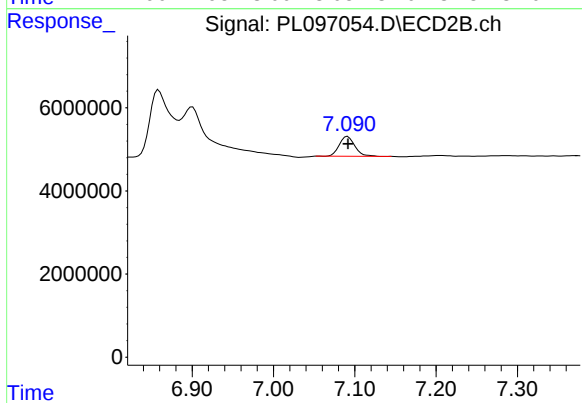
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: -0.003 min
Response: 11752691
Conc: 1.88 ng/ml m



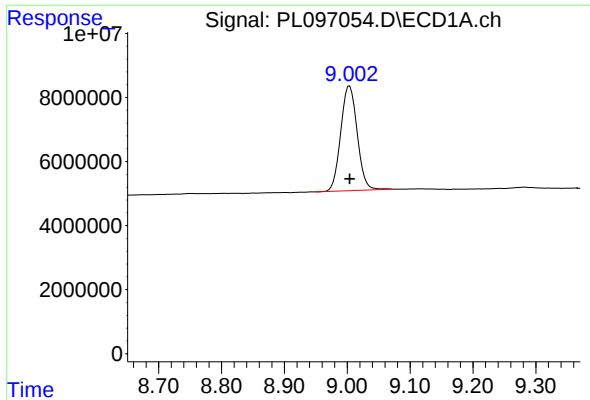
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 3721762
Conc: 1.24 ng/ml m



#22 Mirex

R.T.: 7.091 min
Delta R.T.: 0.000 min
Response: 6337876
Conc: 1.31 ng/ml



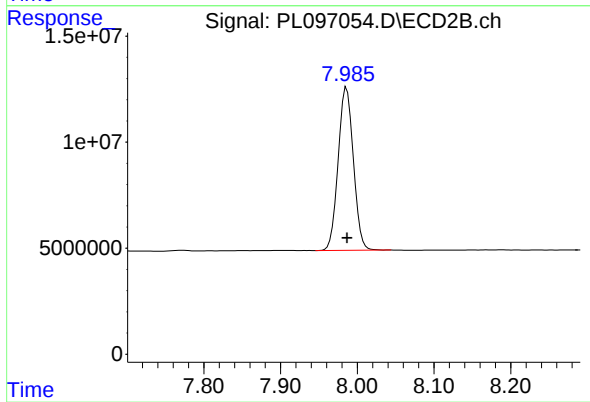
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 59609736
Conc: 20.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/08/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: 0.000 min
Response: 106209354
Conc: 22.15 ng/ml