

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
 Data File : PD090146.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 12:16
 Operator : AR\AJ
 Sample : Q2893-01
 Misc : PEST LOD 1PPB
 ALS Vial : 8 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 02:02:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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...	3.554	2.878	49798948	422.6E6	16.968	19.165
28)	SA Decachlor...	9.076	8.067	78430679	491.2E6	18.172	18.977
Target Compounds							
2)	A alpha-BHC	4.003	3.390	5369129	47970540	0.895	1.413 #
3)	MA gamma-BHC...	4.334	3.726	5449727	38882897	0.952	1.247 #
4)	MA Heptachlor	4.932	4.079	5960881	39292014	1.063	1.260
5)	MB Aldrin	5.274	4.364	5592942	39522719	1.033	1.298 #
6)	B beta-BHC	4.519	4.022	2570778	18175386	1.146m	1.363
7)	B delta-BHC	4.767	4.257	6041827	39549906	1.167m	1.254m
8)	B Heptachlo...	5.692	4.869	5403055	36134149	1.101m	1.305
9)	A Endosulfan I	6.077	5.243	5192306	34242291	1.125	1.306
10)	B gamma-Chl...	5.949	5.121	5325333	38827158	1.089	1.311
11)	B alpha-Chl...	6.030	5.186	5554335	37497397	1.128	1.314
12)	B 4,4'-DDE	6.198	5.370	4433395	37461597	1.010	1.300 #
13)	MA Dieldrin	6.350	5.508	5231000	36610665	1.068	1.250
14)	MA Endrin	6.577	5.785	3858984	35100222	0.931	1.318 #
15)	B Endosulfa...	6.790	6.076	4739139	33394819	1.123	1.320
16)	A 4,4'-DDD	6.708	5.925	3586771	30972519	1.037	1.288
17)	MA 4,4'-DDT	7.024	6.178	3286122	25387199	0.863	1.013
18)	B Endrin al...	6.917	6.253	3807324	23714630	1.328m	1.377m
19)	B Endosulfa...	7.153	6.478	4524223	31260930	1.155	1.282
20)	A Methoxychlor	7.497	6.749	1904358	14384591	0.950	1.115
21)	B Endrin ke...	7.634	6.987	4774661	35160627	1.152	1.320
22)	Mirex	8.117	7.180	3380987	26665857	1.072	1.291

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
Data File : PD090146.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Sep 2025 12:16
Operator : AR\AJ
Sample : Q2893-01
Misc : PEST LOD 1PPB
ALS Vial : 8 Sample Multiplier: 1

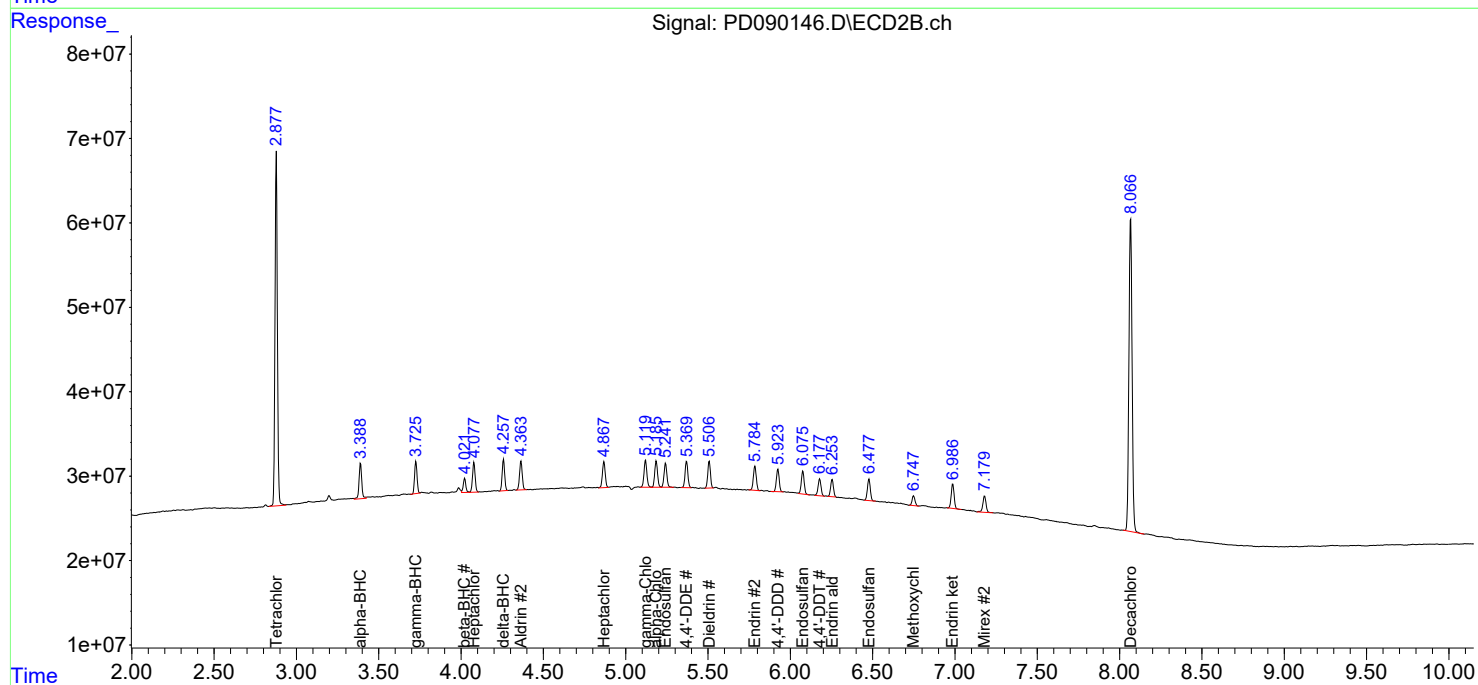
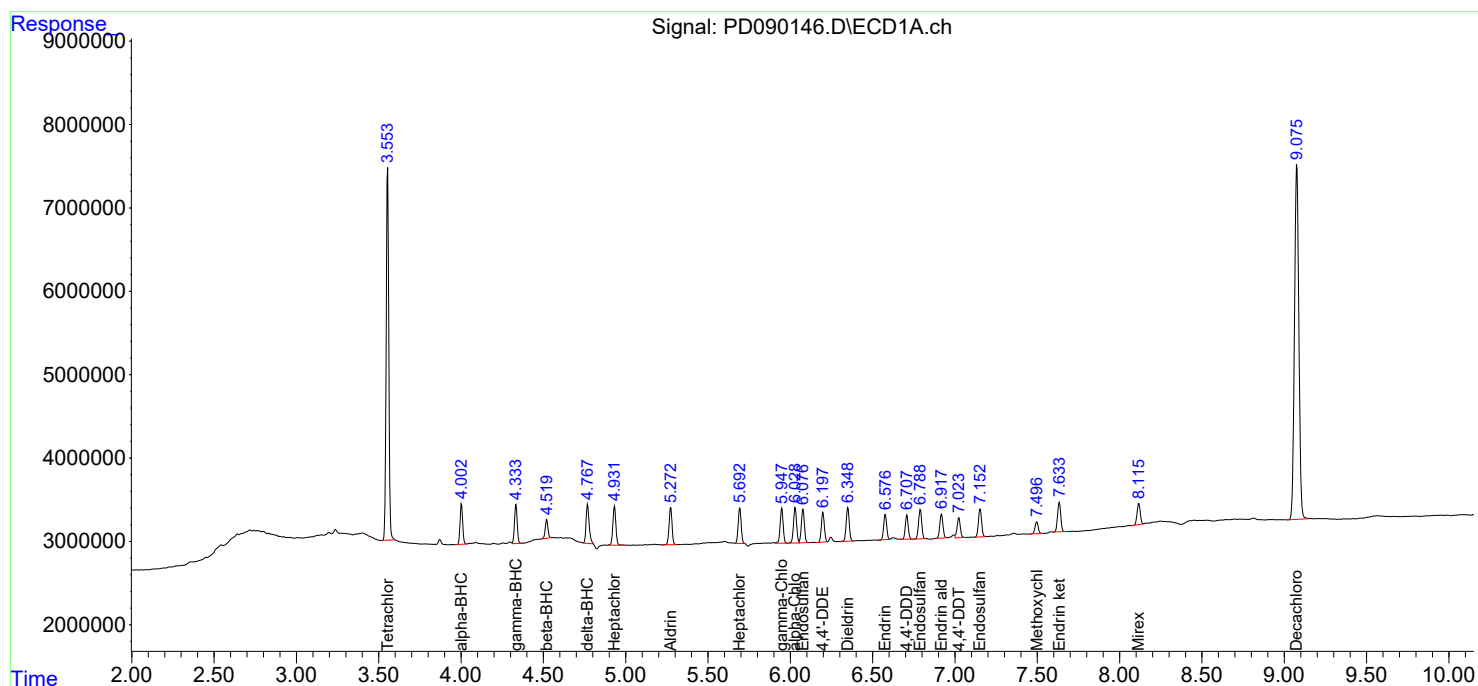
Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2025

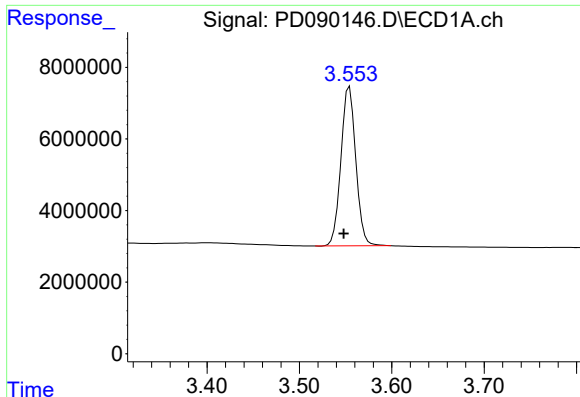
Manual Integrations
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Supervised By :mohammad ahmed 09/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 05 02:02:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





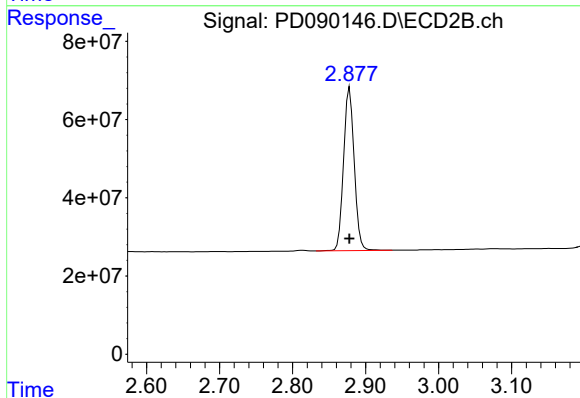
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 49798948
Conc: 16.97 ng/ml

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

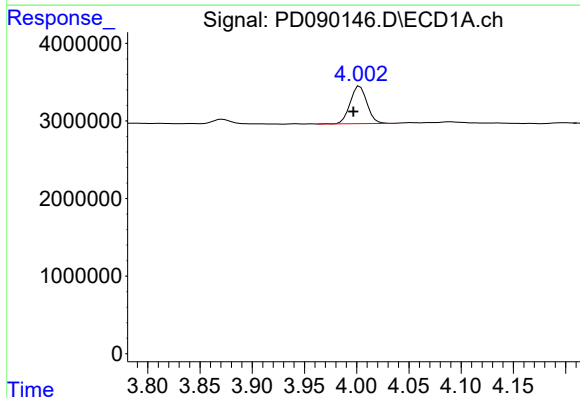
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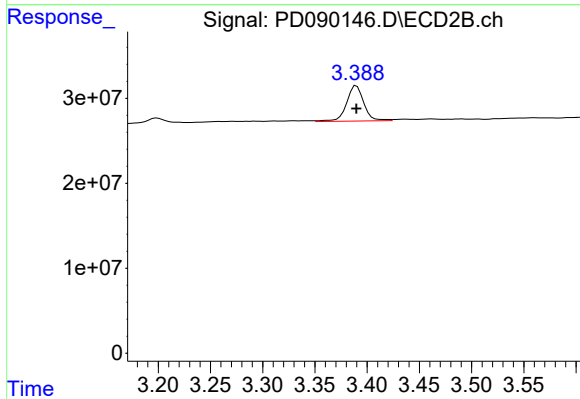
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 422597854
Conc: 19.16 ng/ml



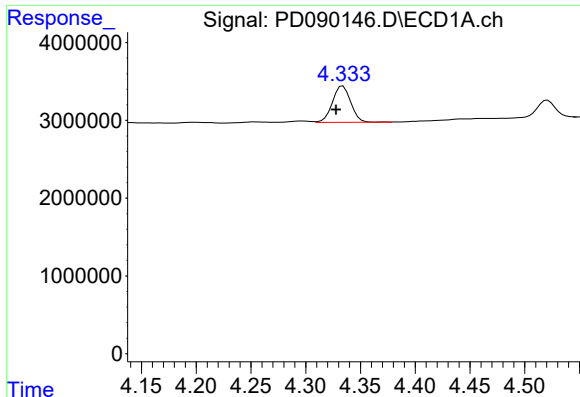
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.006 min
Response: 5369129
Conc: 0.89 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 47970540
Conc: 1.41 ng/ml



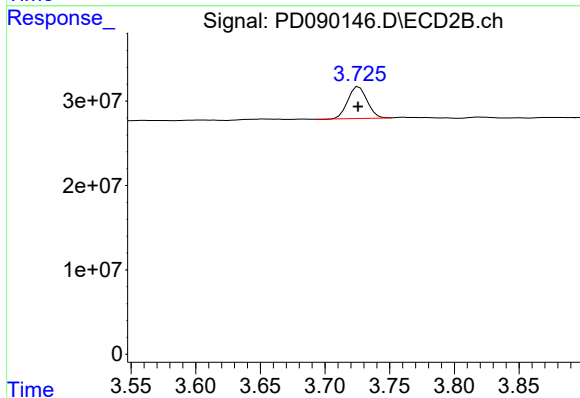
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.006 min
Response: 5449727
Conc: 0.95 ng/ml

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

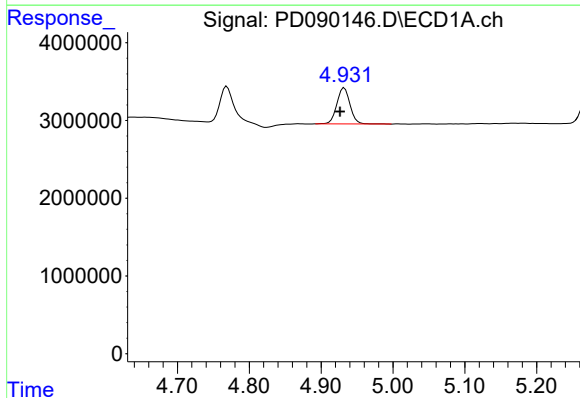
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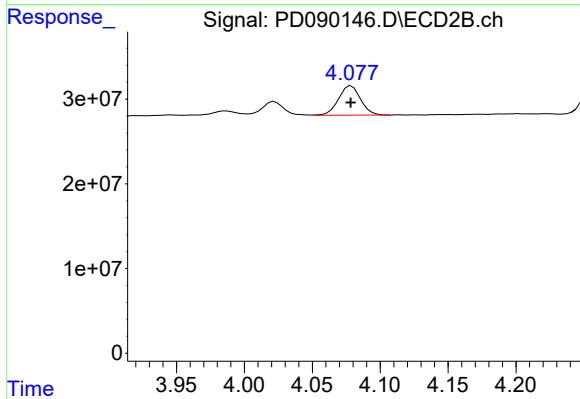
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 38882897
Conc: 1.25 ng/ml



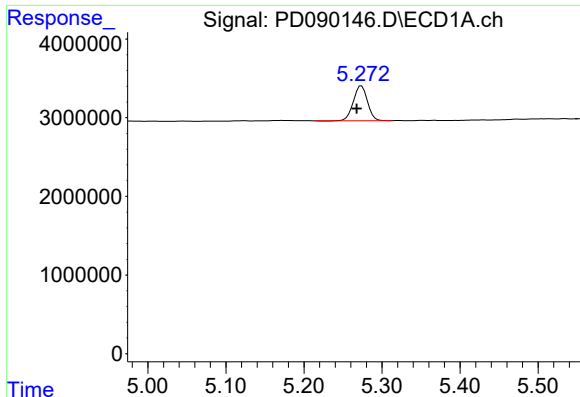
#4 Heptachlor

R.T.: 4.932 min
Delta R.T.: 0.006 min
Response: 5960881
Conc: 1.06 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 39292014
Conc: 1.26 ng/ml



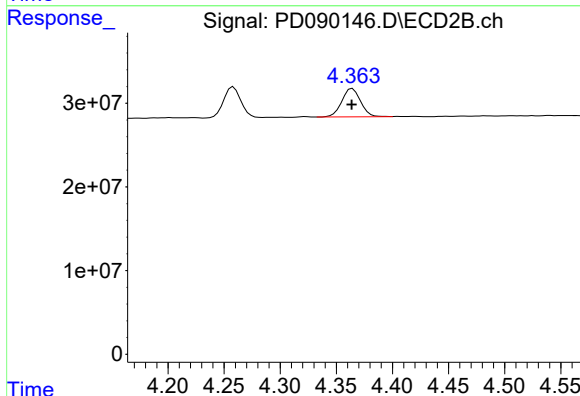
#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.006 min
Response: 5592942
Conc: 1.03 ng/ml

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

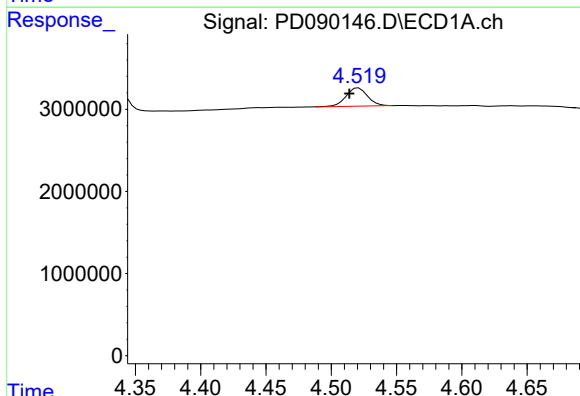
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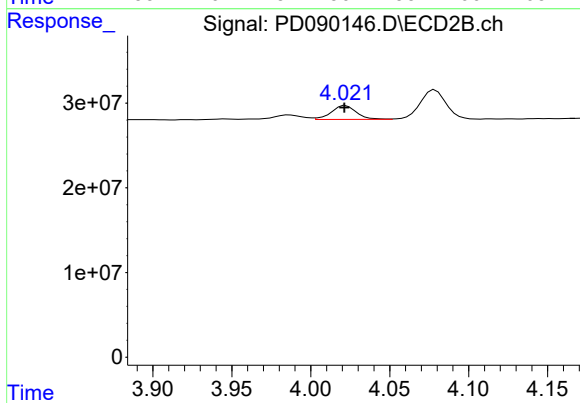
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 39522719
Conc: 1.30 ng/ml



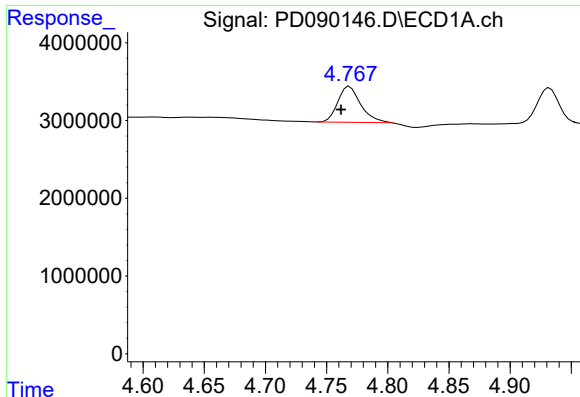
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.006 min
Response: 2570778
Conc: 1.15 ng/ml m



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 18175386
Conc: 1.36 ng/ml



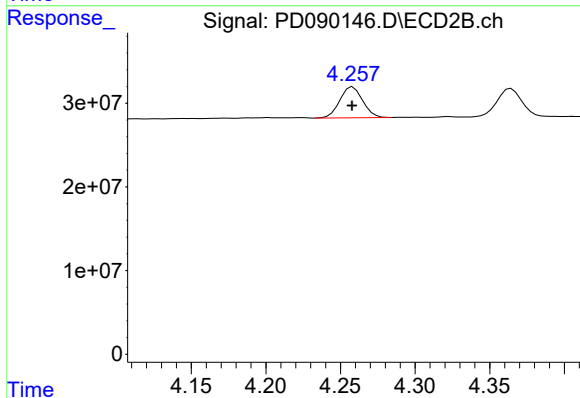
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.005 min
Response: 6041827
Conc: 1.17 ng/ml

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

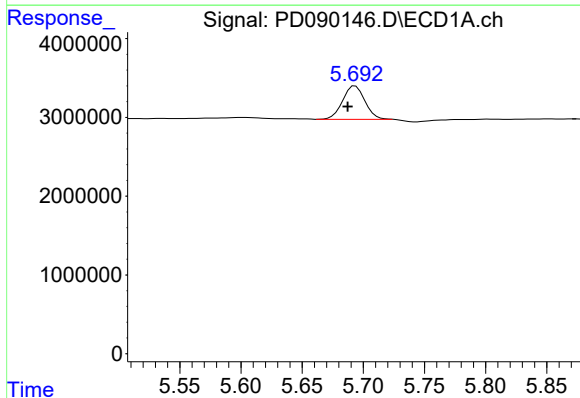
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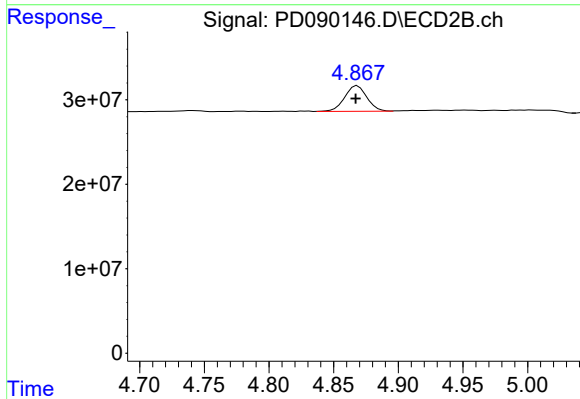
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 39549906
Conc: 1.25 ng/ml m



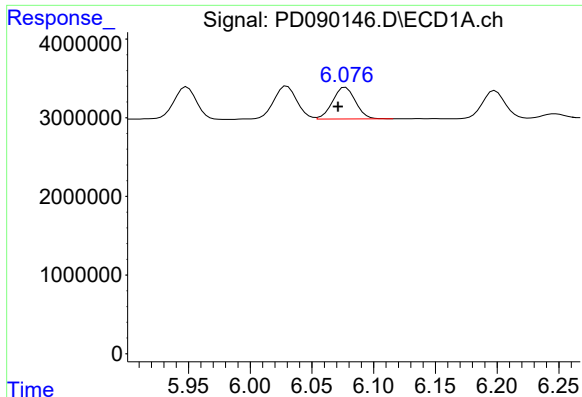
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.005 min
Response: 5403055
Conc: 1.10 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.001 min
Response: 36134149
Conc: 1.30 ng/ml



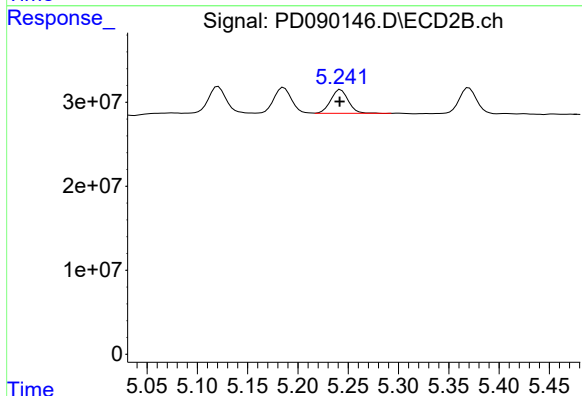
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.006 min
Response: 5192306
Conc: 1.13 ng/ml

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

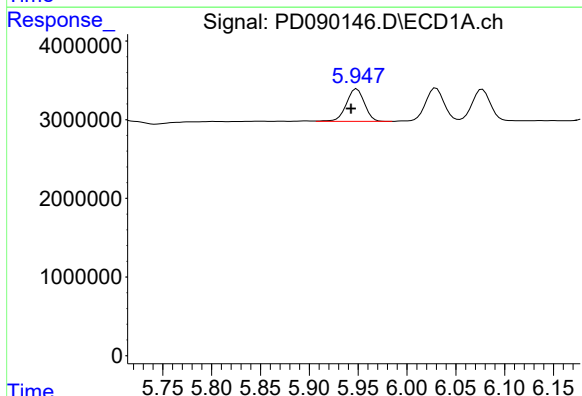
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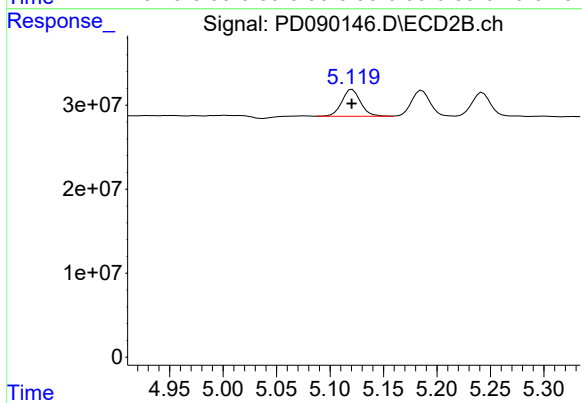
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 34242291
Conc: 1.31 ng/ml



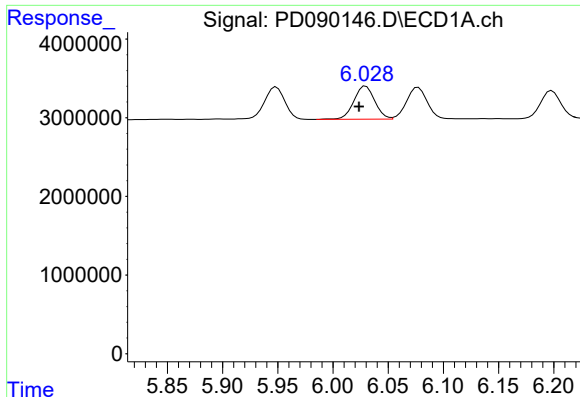
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.006 min
Response: 5325333
Conc: 1.09 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 38827158
Conc: 1.31 ng/ml



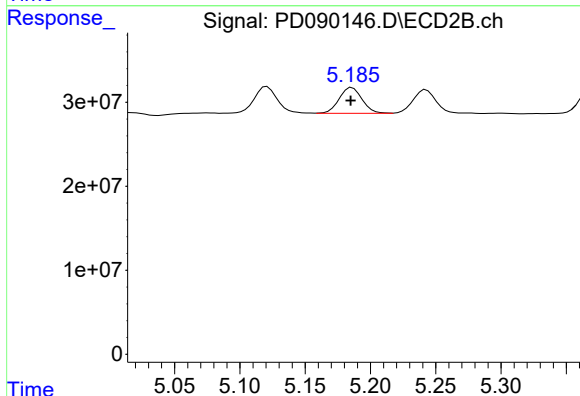
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.006 min
Response: 5554335
Conc: 1.13 ng/ml

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

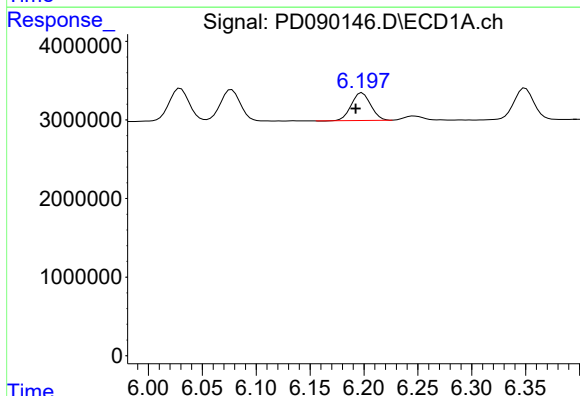
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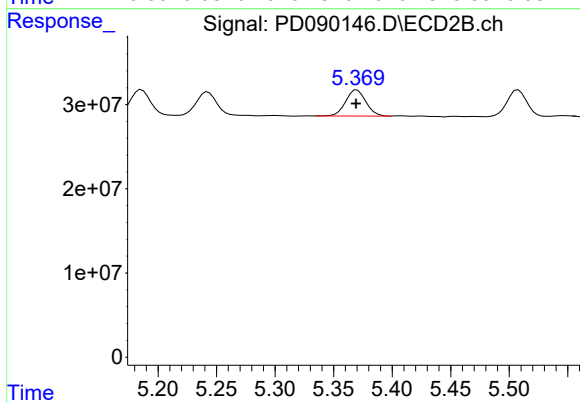
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.001 min
Response: 37497397
Conc: 1.31 ng/ml



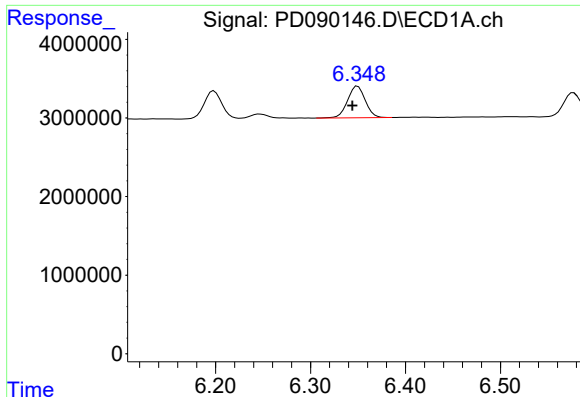
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.006 min
Response: 4433395
Conc: 1.01 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 37461597
Conc: 1.30 ng/ml



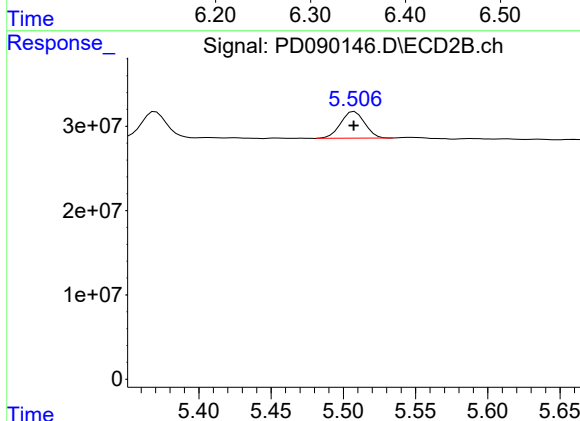
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.006 min
Response: 5231000
Conc: 1.07 ng/ml

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

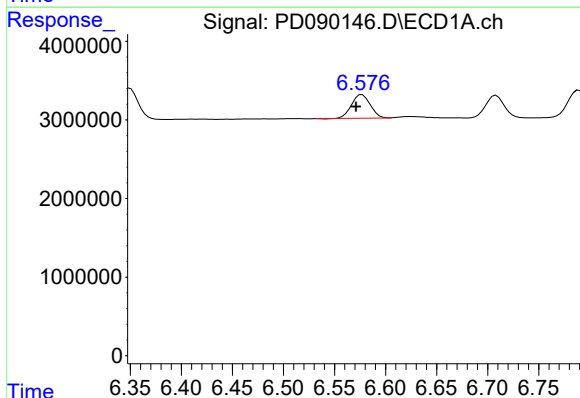
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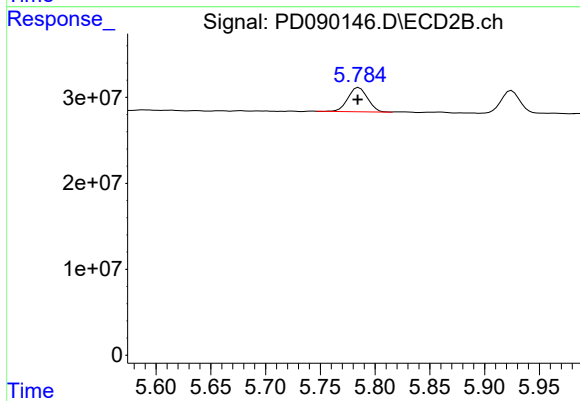
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 36610665
Conc: 1.25 ng/ml



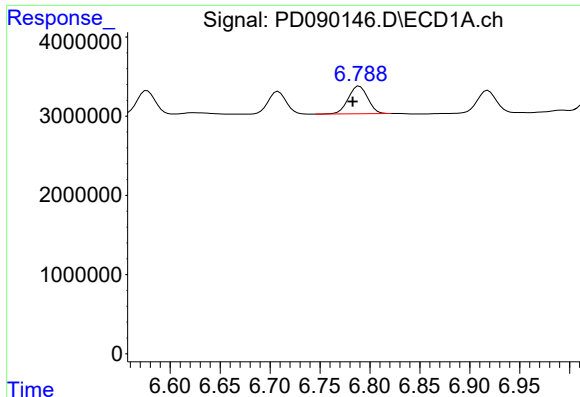
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.006 min
Response: 3858984
Conc: 0.93 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 35100222
Conc: 1.32 ng/ml



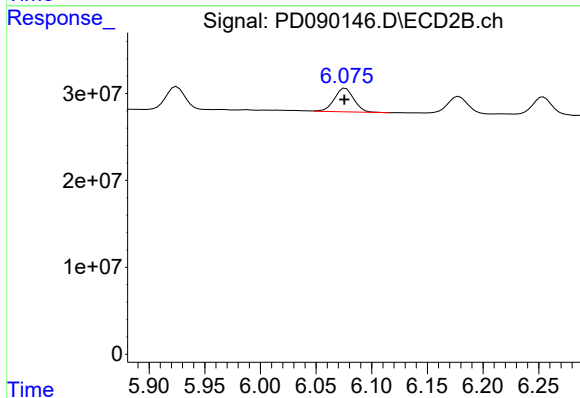
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.007 min
Response: 4739139
Conc: 1.12 ng/ml

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

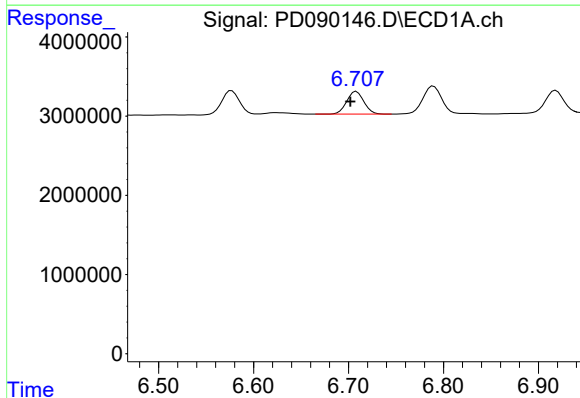
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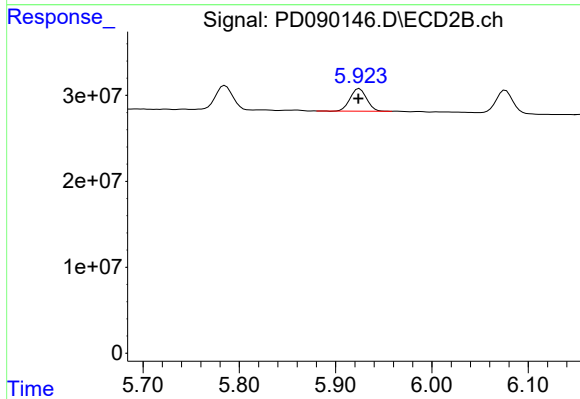
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.001 min
Response: 33394819
Conc: 1.32 ng/ml



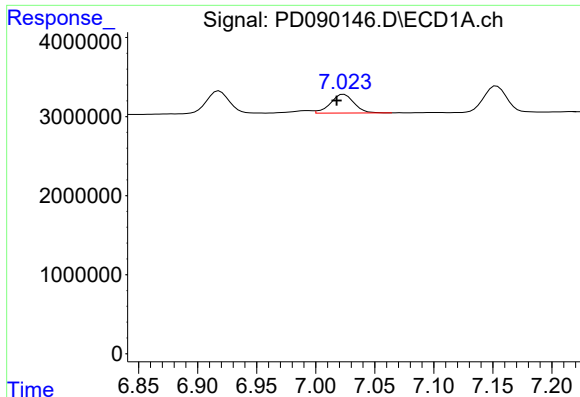
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.006 min
Response: 3586771
Conc: 1.04 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 30972519
Conc: 1.29 ng/ml



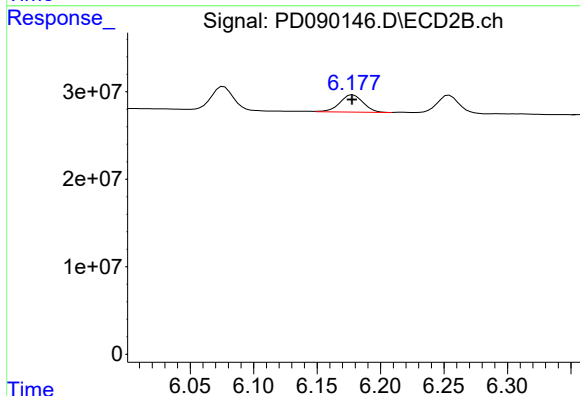
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.006 min
Response: 3286122
Conc: 0.86 ng/ml

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

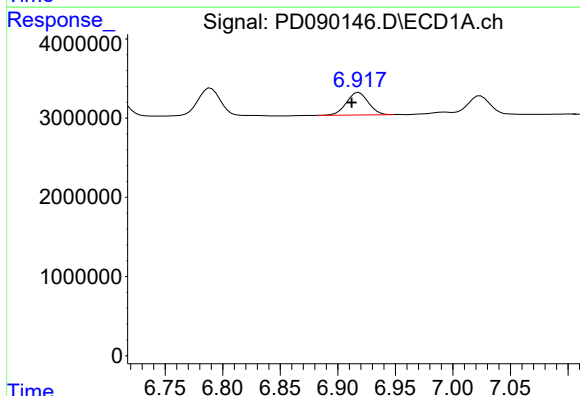
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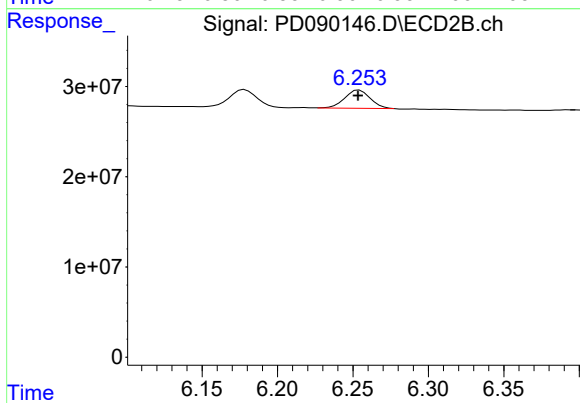
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 25387199
Conc: 1.01 ng/ml



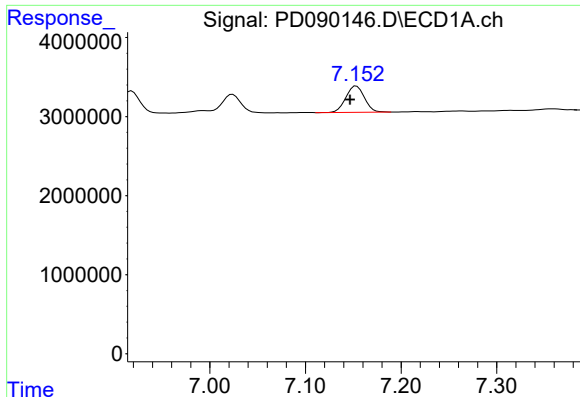
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.005 min
Response: 3807324
Conc: 1.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 23714630
Conc: 1.38 ng/ml m



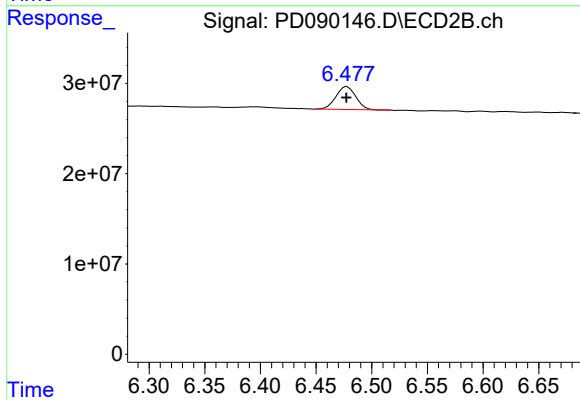
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.006 min
Response: 4524223
Conc: 1.15 ng/ml

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

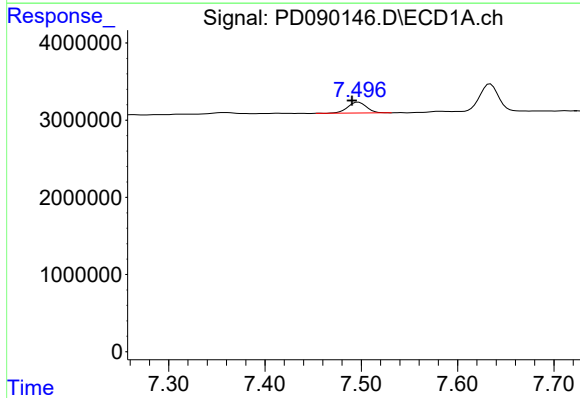
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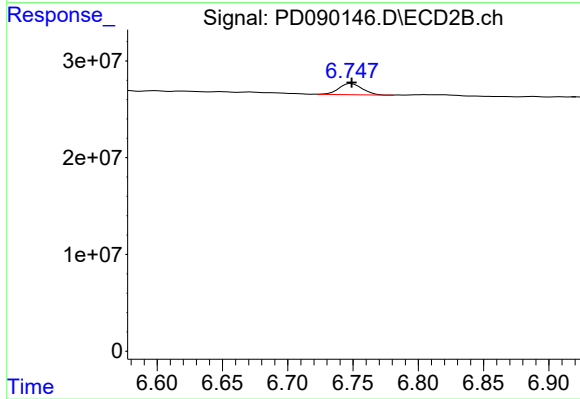
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 31260930
Conc: 1.28 ng/ml



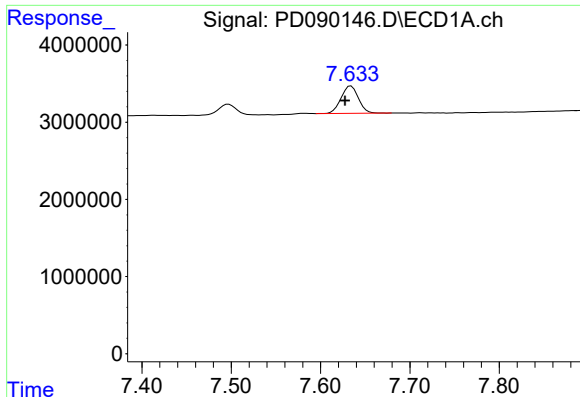
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.007 min
Response: 1904358
Conc: 0.95 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 14384591
Conc: 1.12 ng/ml



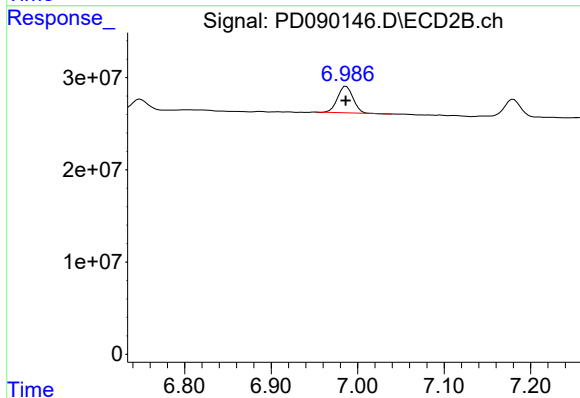
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 4774661
Conc: 1.15 ng/ml

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

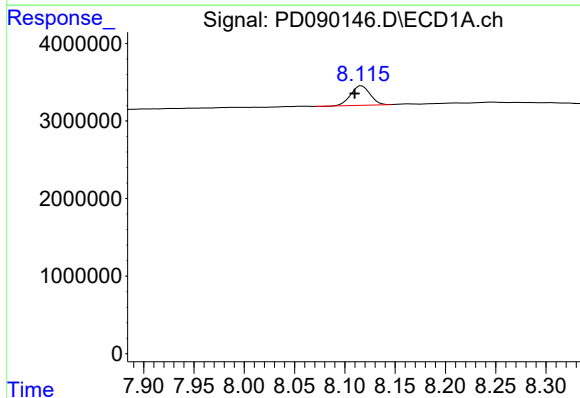
Manual Integrations
APPROVED

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



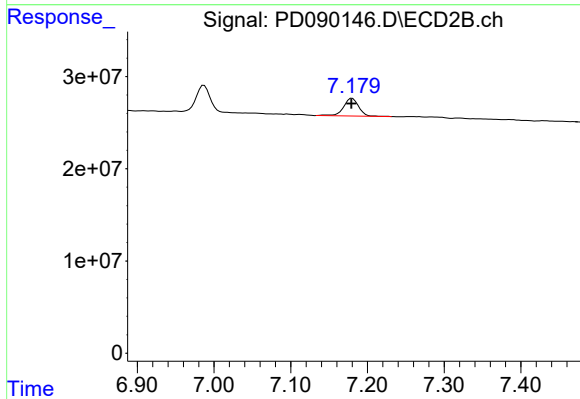
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 35160627
Conc: 1.32 ng/ml



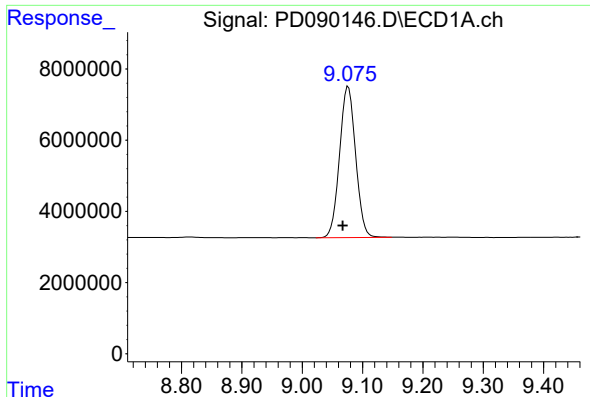
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.007 min
Response: 3380987
Conc: 1.07 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 26665857
Conc: 1.29 ng/ml



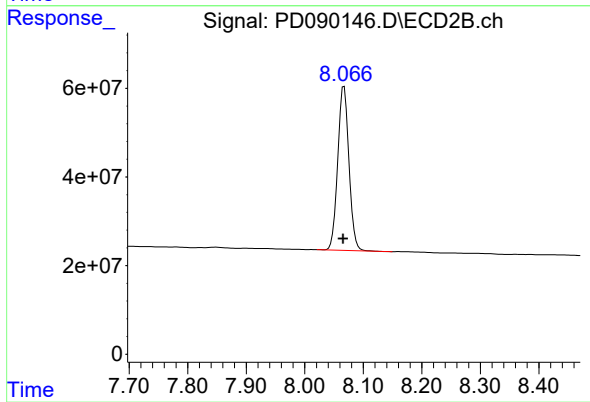
#28 Decachlorobiphenyl

R.T.: 9.076 min
Delta R.T.: 0.009 min
Response: 78430679
Conc: 18.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.002 min
Response: 491239545
Conc: 18.98 ng/ml