

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062625\
 Data File : PD089165.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Jun 2025 13:30
 Operator : AR\AJ
 Sample : Q2126-01
 Misc : PEST LOD 1PPB SOIL
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/27/2025
 Supervised By :mohammad ahmed 06/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 26 23:29:18 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...	3.556	2.881	48978954	310.5E6	17.167	18.313
2)	SA Decachlor...	9.078	8.073	66154145	298.0E6	16.843	15.075
Target Compounds							
2)	A alpha-BHC	4.005	3.393	4474327	29248214	0.768	1.091 #
3)	MA gamma-BHC...	4.336	3.729	4577935	26774555	0.820	1.081 #
4)	MA Heptachlor	4.935	4.083	4720975	25808730	0.866	1.031
5)	MB Aldrin	5.276	4.369	4544368	25686643	0.855	1.061
6)	B beta-BHC	4.521	4.025	2654746	12429881	1.203	1.157
7)	B delta-BHC	4.769	4.262	6464657	28654772	1.259m	1.152
8)	B Heptachlo...	5.695	4.873	4327098	25089678	0.897m	1.146 #
9)	A Endosulfan I	6.079	5.247	4224385	24311756	0.937	1.166
10)	B gamma-Chl...	5.950	5.126	4207506	28429169	0.879m	1.188 #
11)	B alpha-Chl...	6.032	5.191	4495734	26467697	0.929	1.156
12)	B 4,4'-DDE	6.201	5.376	3508742	24842581	0.805	1.084 #
13)	MA Dieldrin	6.352	5.513	4045773	24836246	0.843	1.070 #
14)	MA Endrin	6.579	5.790	3352691	24695514	0.813	1.137 #
15)	B Endosulfa...	6.791	6.081	3484678	22172959	0.863	1.098 #
16)	A 4,4'-DDD	6.710	5.930	2856291	21411366	0.832	1.119 #
17)	MA 4,4'-DDT	7.025	6.184	2697401	16367238	0.712	0.807
18)	B Endrin al...	6.919	6.259	3213903	17099870	1.049m	1.117
19)	B Endosulfa...	7.153	6.483	3275260	21646541	0.854m	1.103 #
20)	A Methoxychlor	7.496	6.754	1222469	9270103	0.605m	0.861 #
21)	B Endrin ke...	7.634	6.991	4438583	24914704	1.090m	1.153m
22)	Mirex	8.117	7.186	2722035	15634127	0.895m	0.937

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062625\
Data File : PD089165.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Jun 2025 13:30
Operator : AR\AJ
Sample : Q2126-01
Misc : PEST LOD 1PPB SOIL
ALS Vial : 10 Sample Multiplier: 1

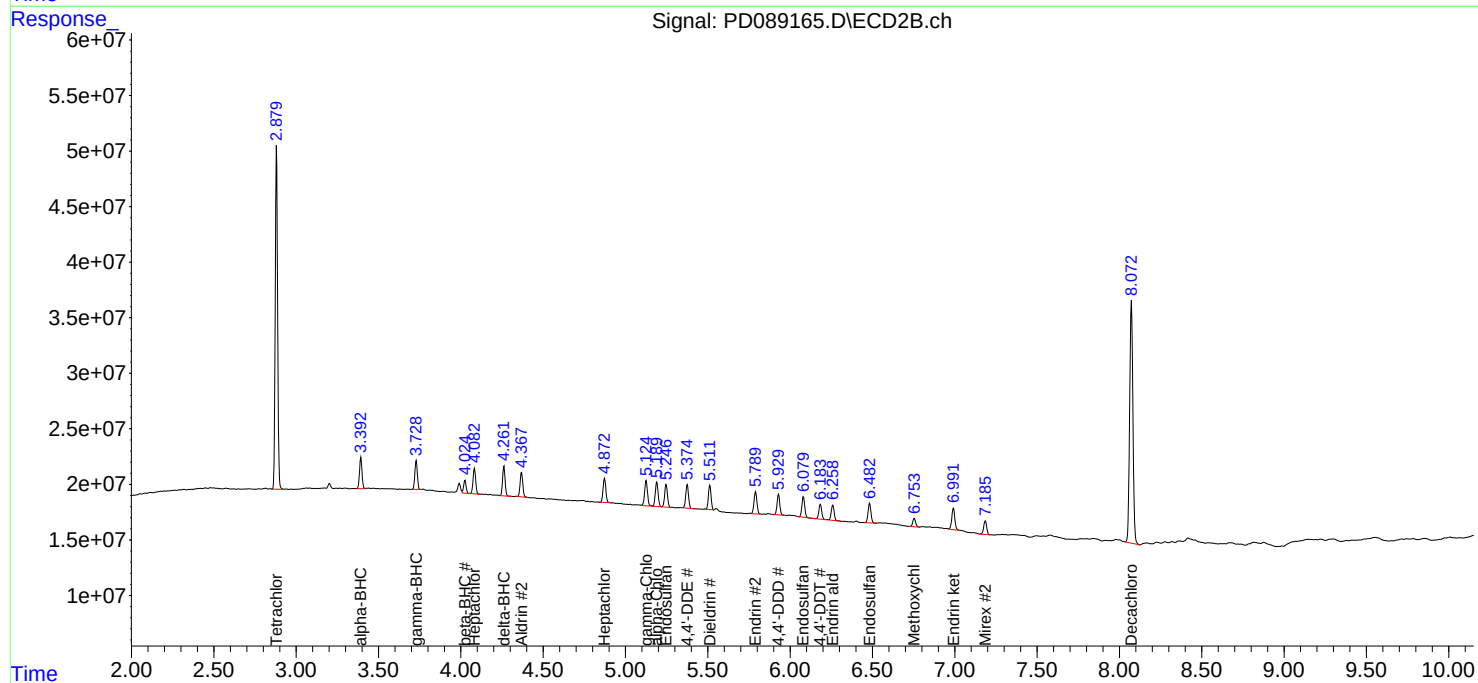
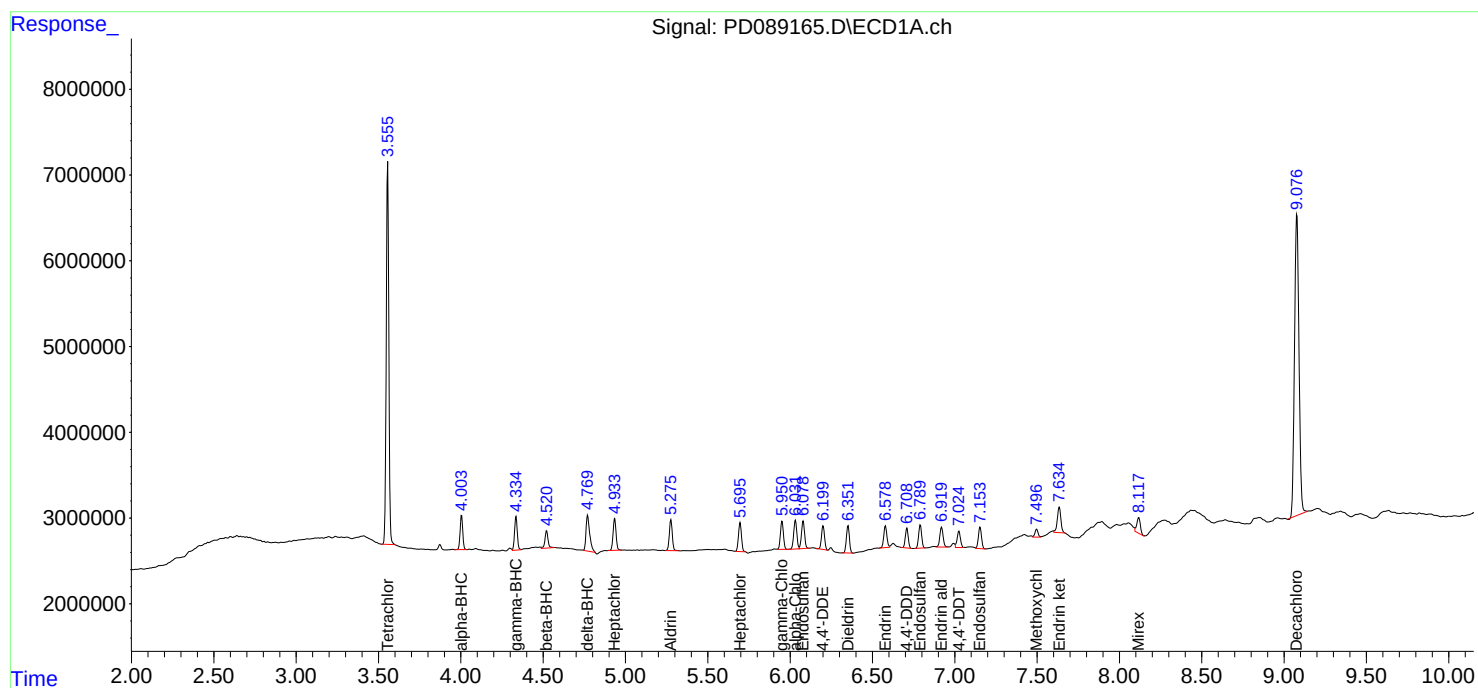
Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

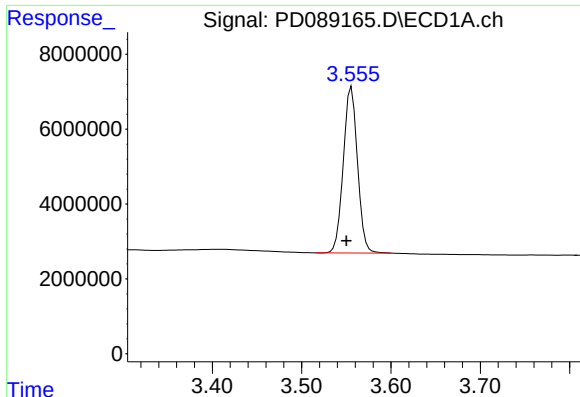
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 26 23:29:18 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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 x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





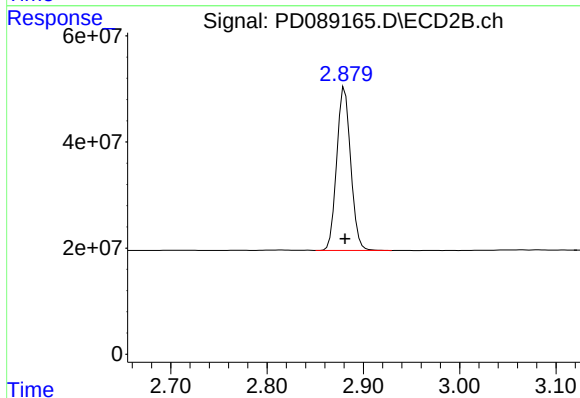
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.006 min
Response: 48978954
Conc: 17.17 ng/ml

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

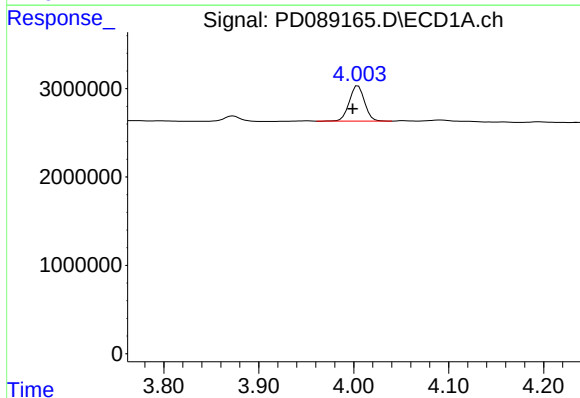
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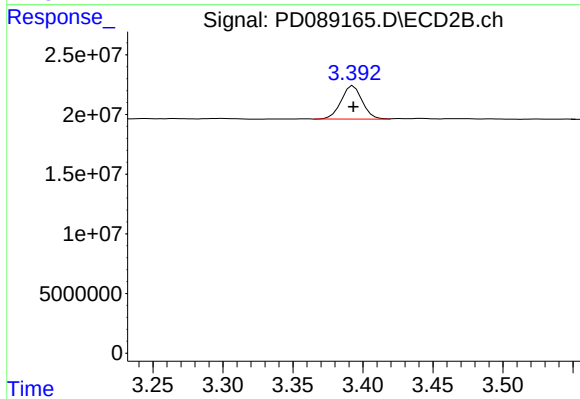
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 310458495
Conc: 18.31 ng/ml



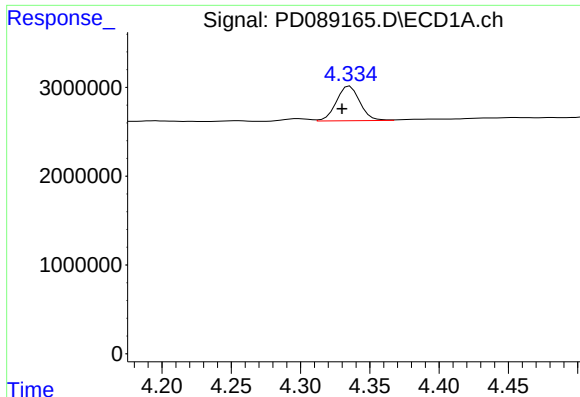
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.006 min
Response: 4474327
Conc: 0.77 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 29248214
Conc: 1.09 ng/ml



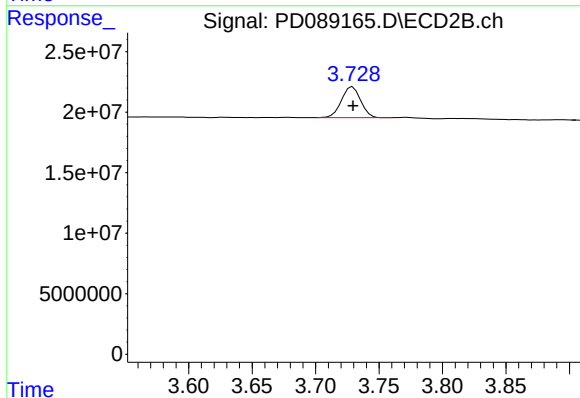
#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.006 min
Response: 4577935
Conc: 0.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
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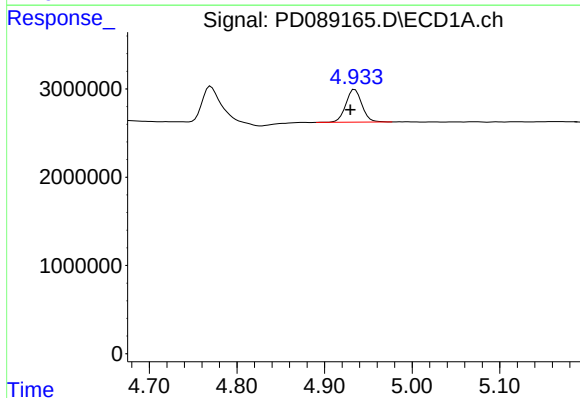
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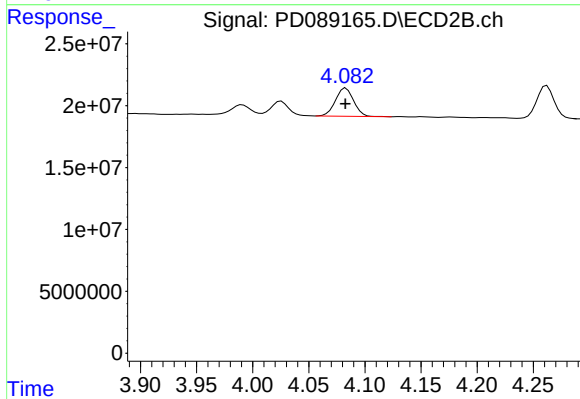
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 26774555
Conc: 1.08 ng/ml



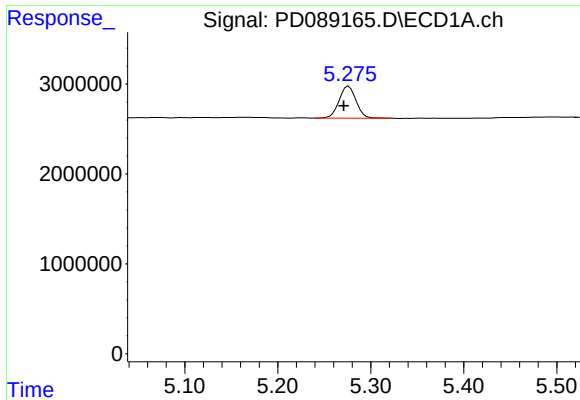
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.005 min
Response: 4720975
Conc: 0.87 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 25808730
Conc: 1.03 ng/ml



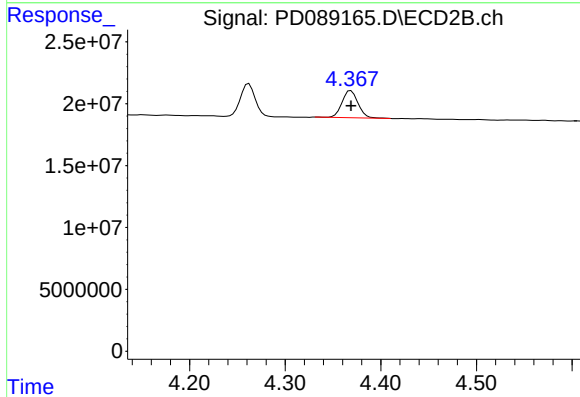
#5 Aldrin

R.T.: 5.276 min
Delta R.T.: 0.005 min
Response: 4544368
Conc: 0.86 ng/ml

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

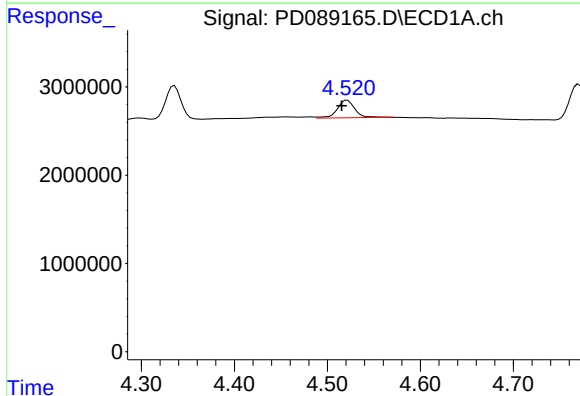
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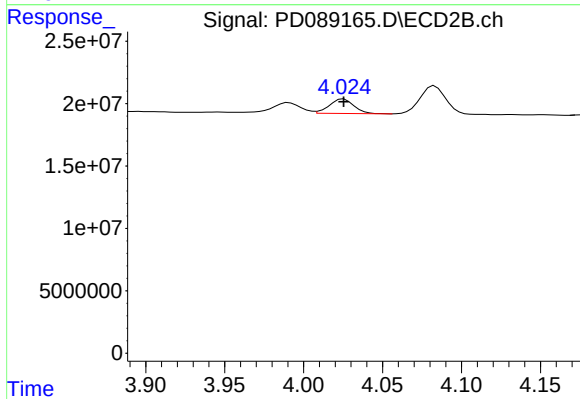
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 25686643
Conc: 1.06 ng/ml



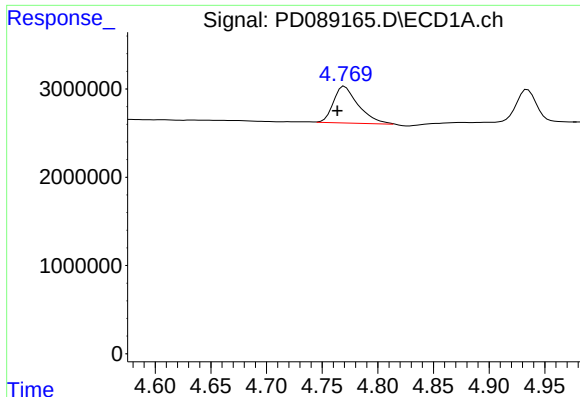
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.006 min
Response: 2654746
Conc: 1.20 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 12429881
Conc: 1.16 ng/ml



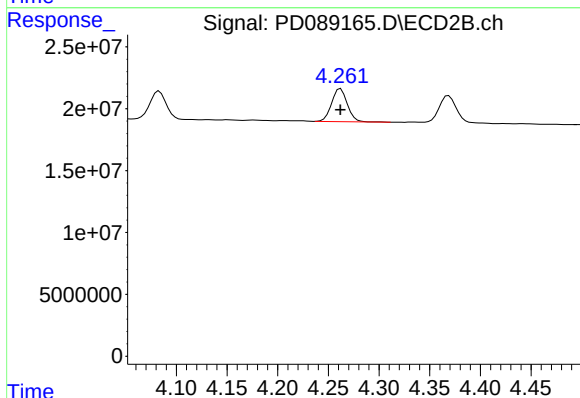
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: 0.005 min
Response: 6464657
Conc: 1.26 ng/ml

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

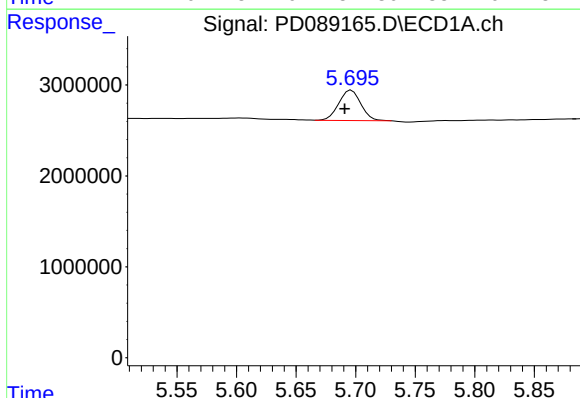
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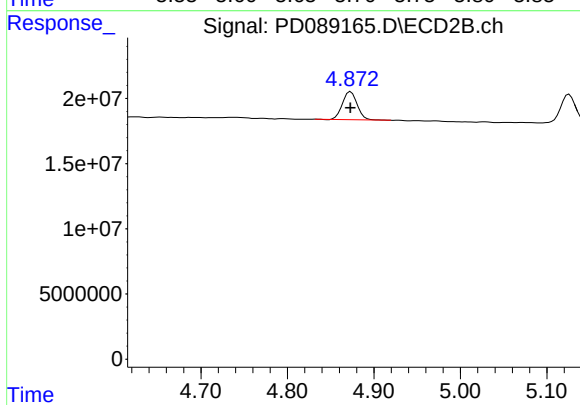
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 28654772
Conc: 1.15 ng/ml



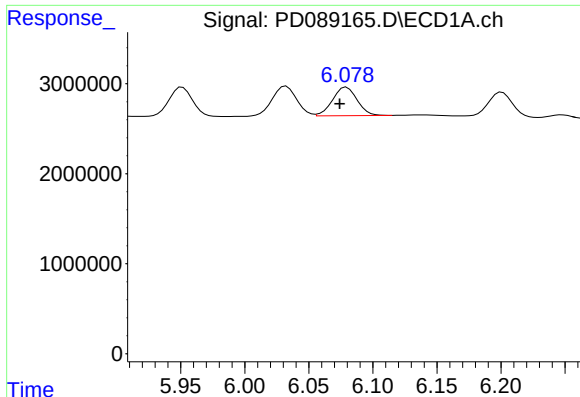
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.004 min
Response: 4327098
Conc: 0.90 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 25089678
Conc: 1.15 ng/ml



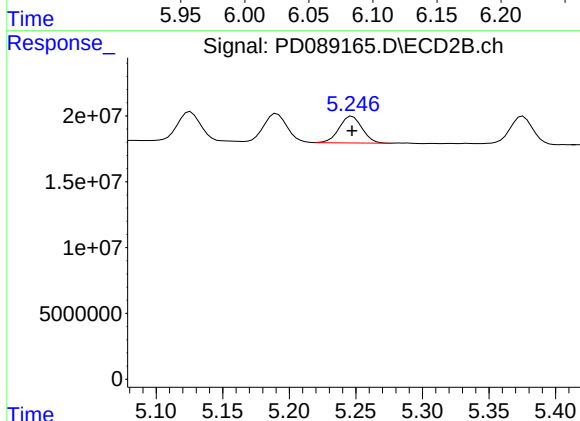
#9 Endosulfan I

R.T.: 6.079 min
Delta R.T.: 0.005 min
Response: 4224385
Conc: 0.94 ng/ml

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

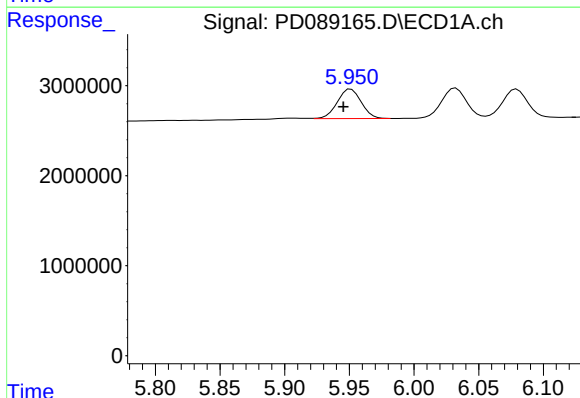
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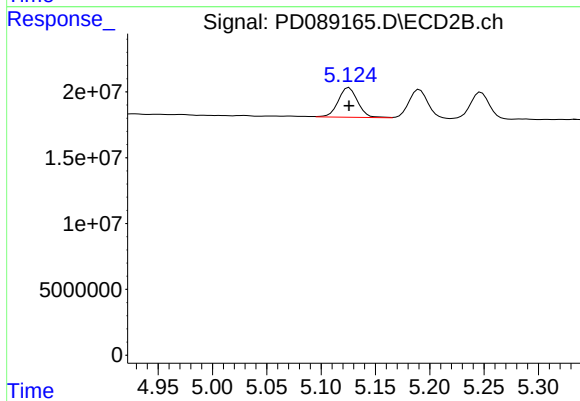
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 24311756
Conc: 1.17 ng/ml



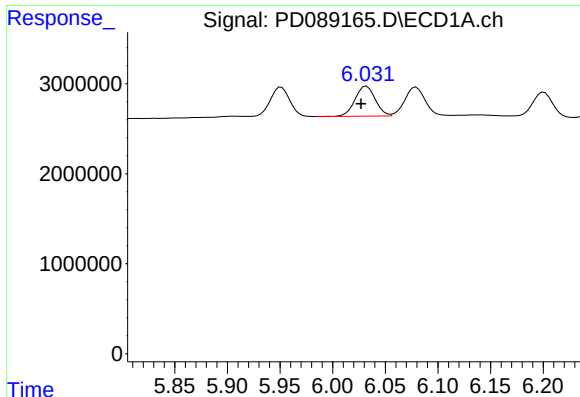
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.004 min
Response: 4207506
Conc: 0.88 ng/ml m



#10 gamma-Chlordane

R.T.: 5.126 min
Delta R.T.: 0.000 min
Response: 28429169
Conc: 1.19 ng/ml



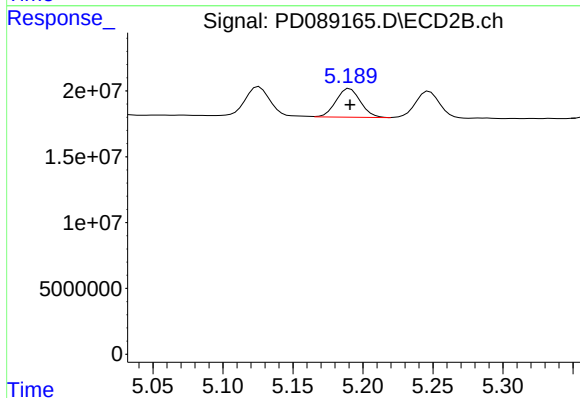
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.005 min
Response: 4495734
Conc: 0.93 ng/ml

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

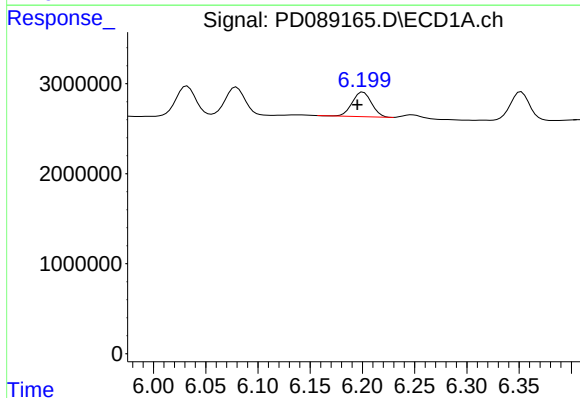
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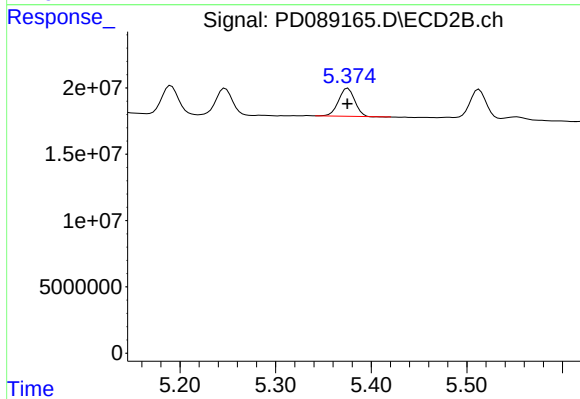
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: 0.000 min
Response: 26467697
Conc: 1.16 ng/ml



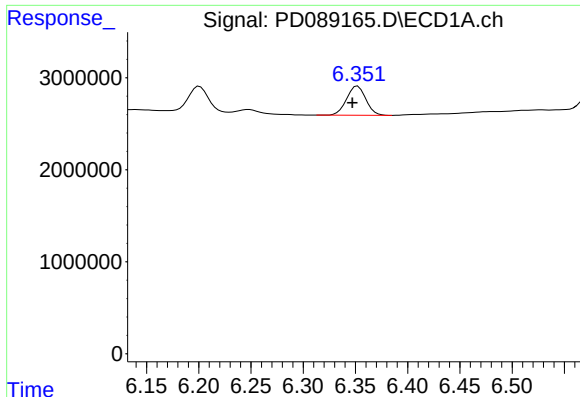
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.005 min
Response: 3508742
Conc: 0.80 ng/ml



#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: 0.000 min
Response: 24842581
Conc: 1.08 ng/ml



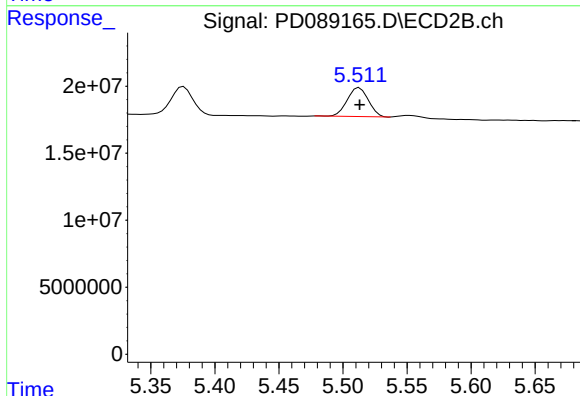
#13 Dieldrin

R.T.: 6.352 min
Delta R.T.: 0.005 min
Response: 4045773
Conc: 0.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
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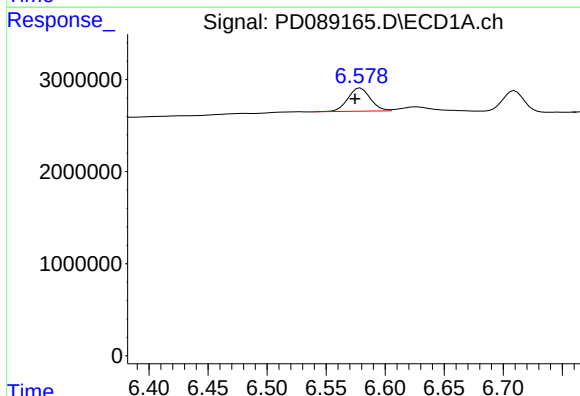
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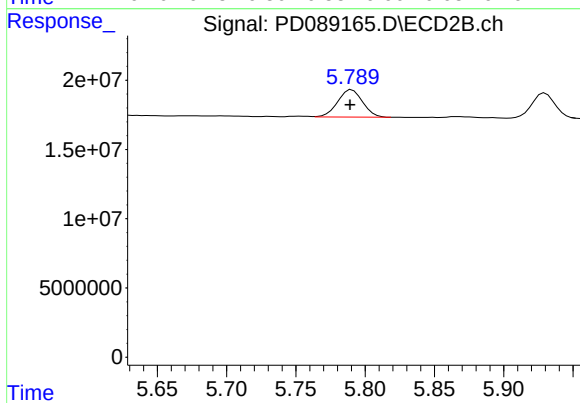
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 24836246
Conc: 1.07 ng/ml



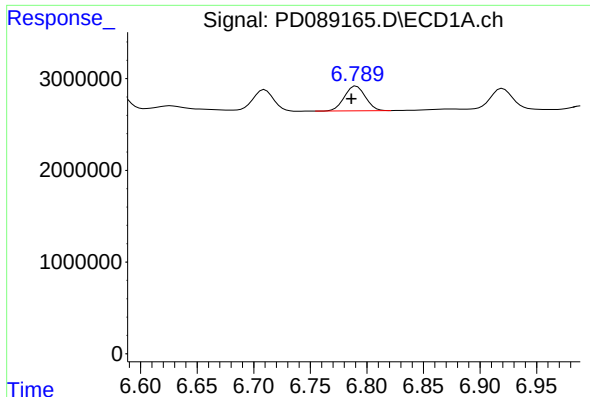
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.005 min
Response: 3352691
Conc: 0.81 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: 0.001 min
Response: 24695514
Conc: 1.14 ng/ml



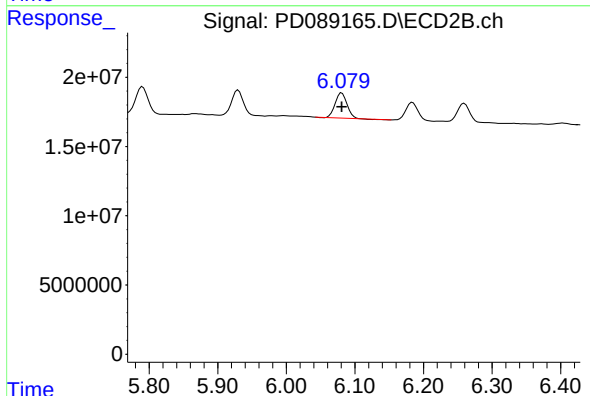
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.004 min
Response: 3484678
Conc: 0.86 ng/ml

Instrument :
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ClientSampleId :
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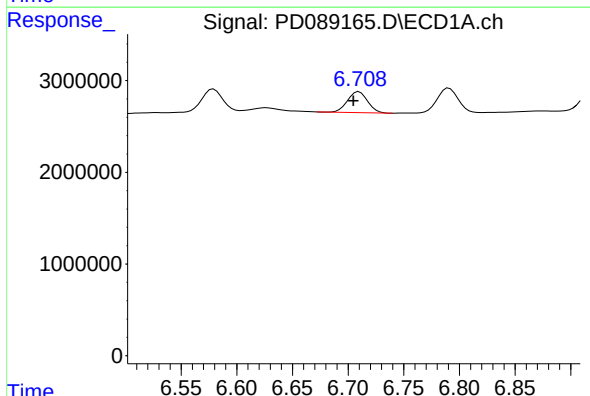
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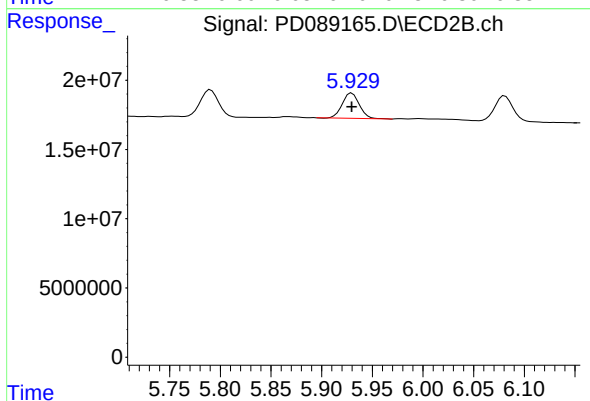
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 22172959
Conc: 1.10 ng/ml



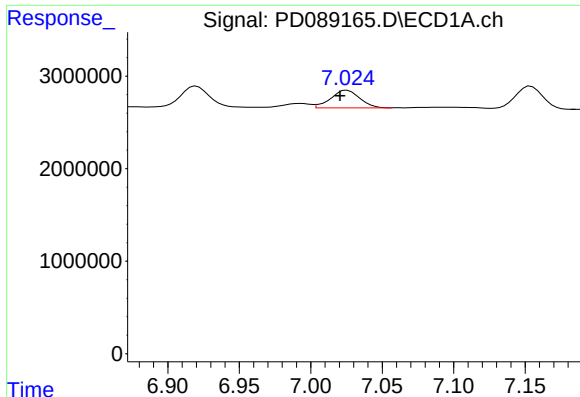
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.005 min
Response: 2856291
Conc: 0.83 ng/ml



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 21411366
Conc: 1.12 ng/ml



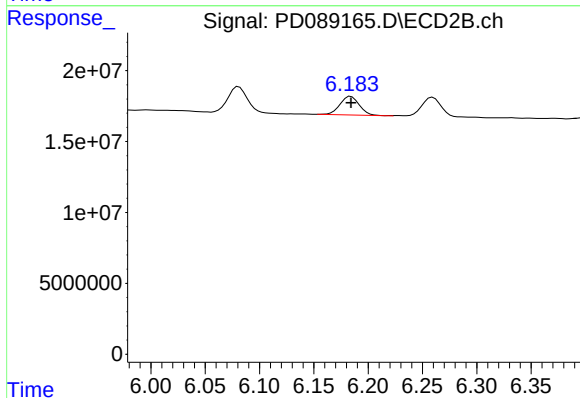
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.005 min
Response: 2697401
Conc: 0.71 ng/ml

Instrument :
ECD_D
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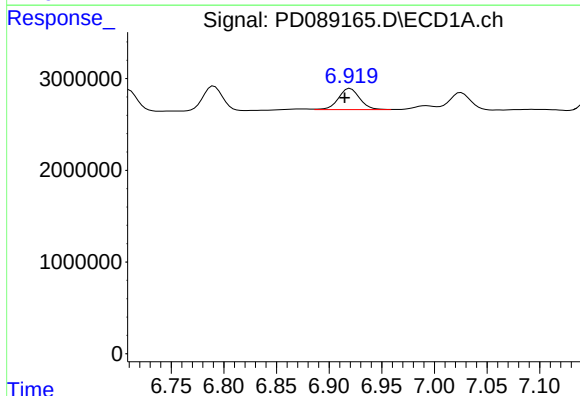
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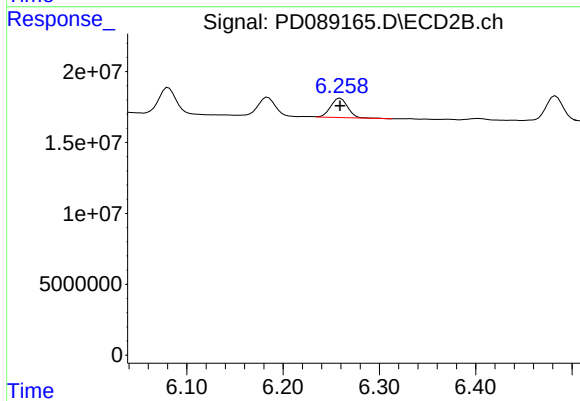
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 16367238
Conc: 0.81 ng/ml



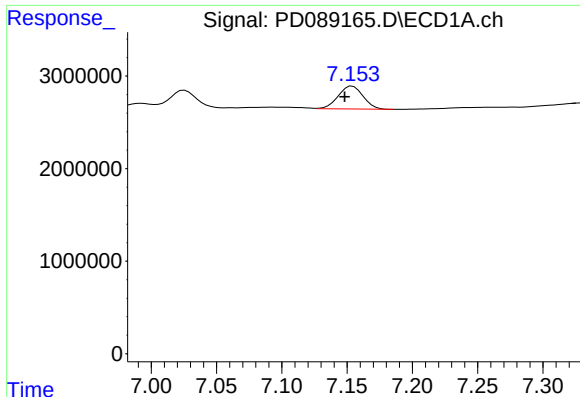
#18 Endrin aldehyde

R.T.: 6.919 min
Delta R.T.: 0.004 min
Response: 3213903
Conc: 1.05 ng/ml m



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 17099870
Conc: 1.12 ng/ml



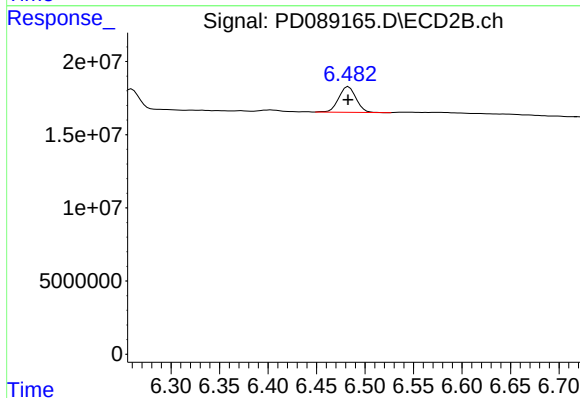
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.004 min
Response: 3275260
Conc: 0.85 ng/ml

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

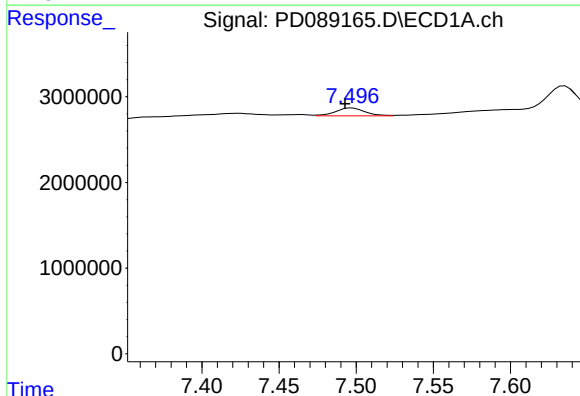
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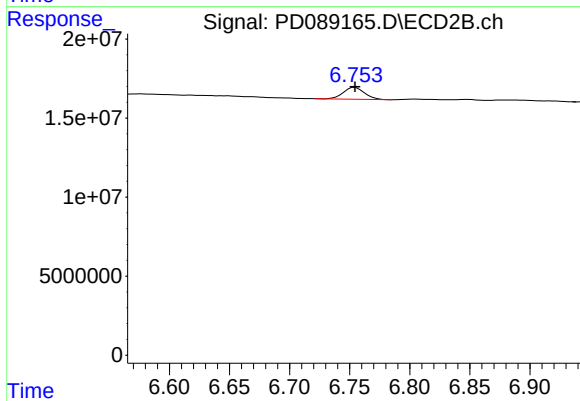
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 21646541
Conc: 1.10 ng/ml



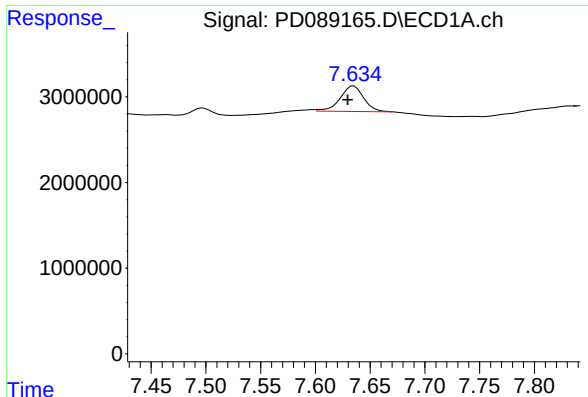
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.003 min
Response: 1222469
Conc: 0.60 ng/ml m



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 9270103
Conc: 0.86 ng/ml



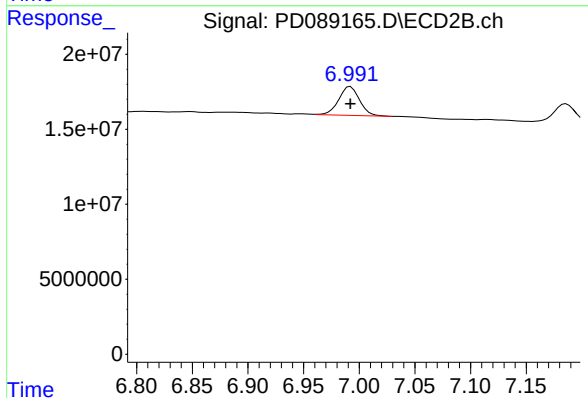
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.004 min
Response: 4438583
Conc: 1.09 ng/ml

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

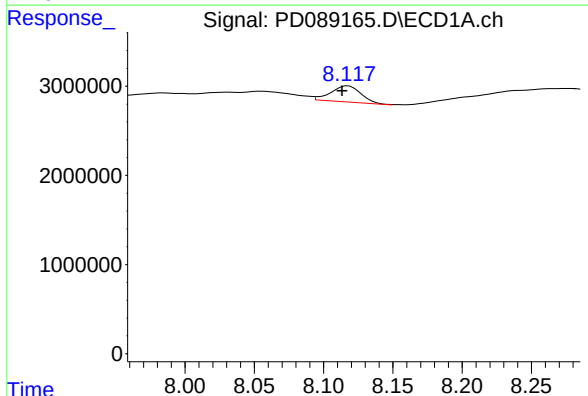
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/27/2025
Supervised By :mohammad ahmed 06/30/2025



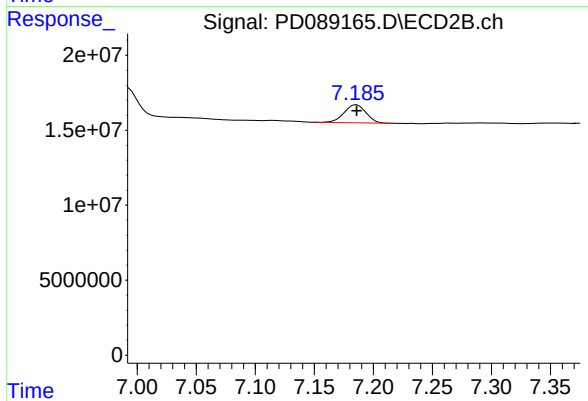
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 24914704
Conc: 1.15 ng/ml m



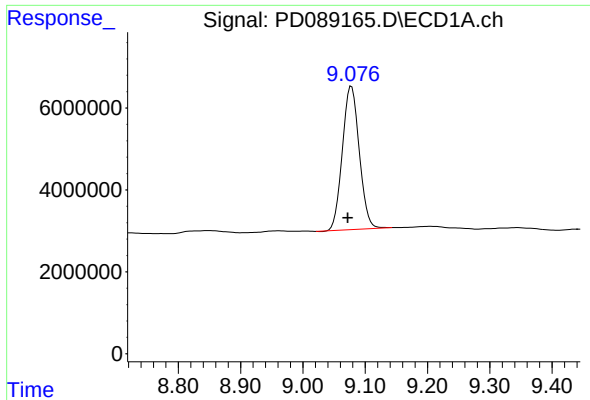
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.003 min
Response: 2722035
Conc: 0.90 ng/ml m



#22 Mirex

R.T.: 7.186 min
Delta R.T.: 0.000 min
Response: 15634127
Conc: 0.94 ng/ml



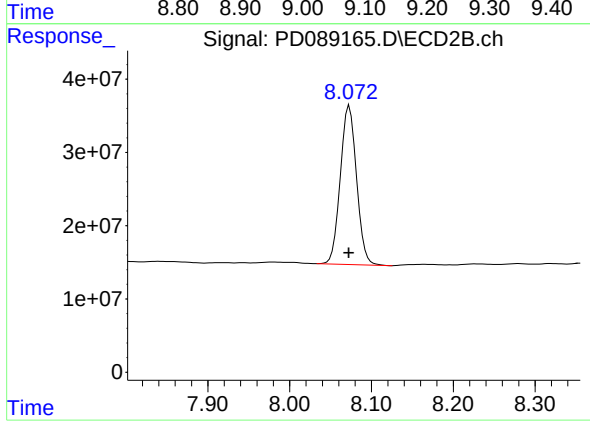
#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.006 min
Response: 66154145
Conc: 16.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 8.073 min
Delta R.T.: 0.000 min
Response: 298036432
Conc: 15.08 ng/ml