

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080125\
 Data File : PD089715.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Aug 2025 19:39
 Operator : AR\AJ
 Sample : Q2126-01
 Misc : LOD PEST 1PPB
 ALS Vial : 10 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/04/2025
 Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 02 01:49:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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...	3.555	2.876	41098256	266.8E6	16.662	16.847
28)	SA Decachlor...	9.078	8.068	69083151	372.0E6	18.589	18.530
Target Compounds							
2)	A alpha-BHC	4.004	3.389	3582697	25522989	0.723	1.050 #
3)	MA gamma-BHC...	4.335	3.725	4136387	22383619	0.870	0.994
4)	MA Heptachlor	4.934	4.078	4235121	23539504	0.880	1.014
5)	MB Aldrin	5.276	4.364	3902178	21674238	0.855	0.974
6)	B beta-BHC	4.521	4.021	2001851	12923669	1.085	1.339
7)	B delta-BHC	4.769	4.258	6192370	25681227	1.350m	1.131
8)	B Heptachlo...	5.694	4.869	5443307	22846120	1.302	1.112
9)	A Endosulfan I	6.079	5.243	3842799	20674031	0.970	1.058
10)	B gamma-Chl...	5.949	5.121	3752087	26374131	0.898m	1.218 #
11)	B alpha-Chl...	6.031	5.186	3748314	23859031	0.892m	1.146 #
12)	B 4,4'-DDE	6.200	5.371	3098094	22838249	0.831	1.080 #
13)	MA Dieldrin	6.352	5.509	3882439	22385623	0.919	1.035
14)	MA Endrin	6.578	5.787	3411166	39015884	0.953m	1.958m#
15)	B Endosulfa...	6.788	6.076	5270162	20952493	1.436m	1.115
16)	A 4,4'-DDD	6.709	5.925	2756994	21313765	0.921m	1.209 #
17)	MA 4,4'-DDT	7.025	6.179	2904805	18878138	0.864m	1.028
18)	B Endrin al...	6.920	6.255	3137987	18455005	1.257	1.428
19)	B Endosulfa...	7.154	6.479	3646142	21896243	1.051	1.179
20)	A Methoxychlor	7.497	6.750	1957887	12586302	1.095m	1.285
21)	B Endrin ke...	7.635	6.985	3898859	33486649	1.050	1.669m#
22)	Mirex	8.119	7.180	3530898	16326678	1.266	1.073m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080125\
Data File : PD089715.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Aug 2025 19:39
Operator : AR\AJ
Sample : Q2126-01
Misc : LOD PEST 1PPB
ALS Vial : 10 Sample Multiplier: 1

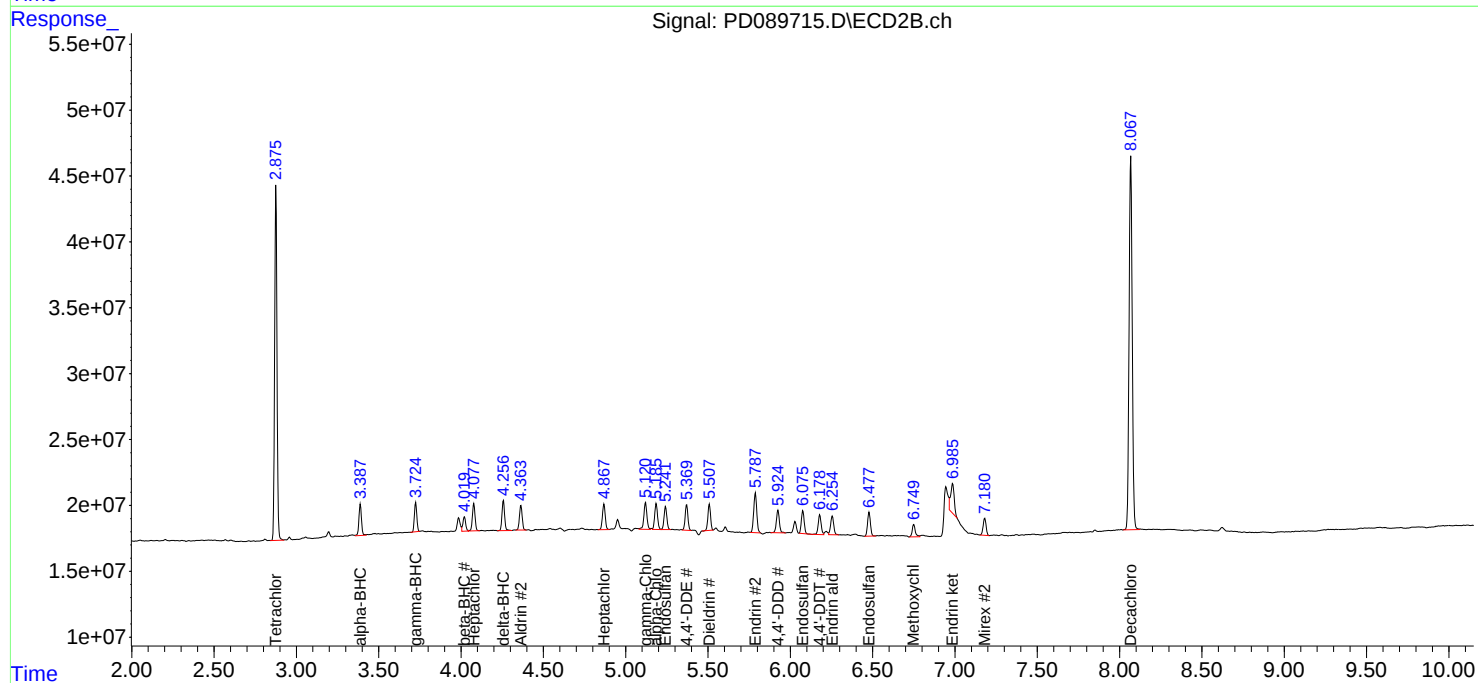
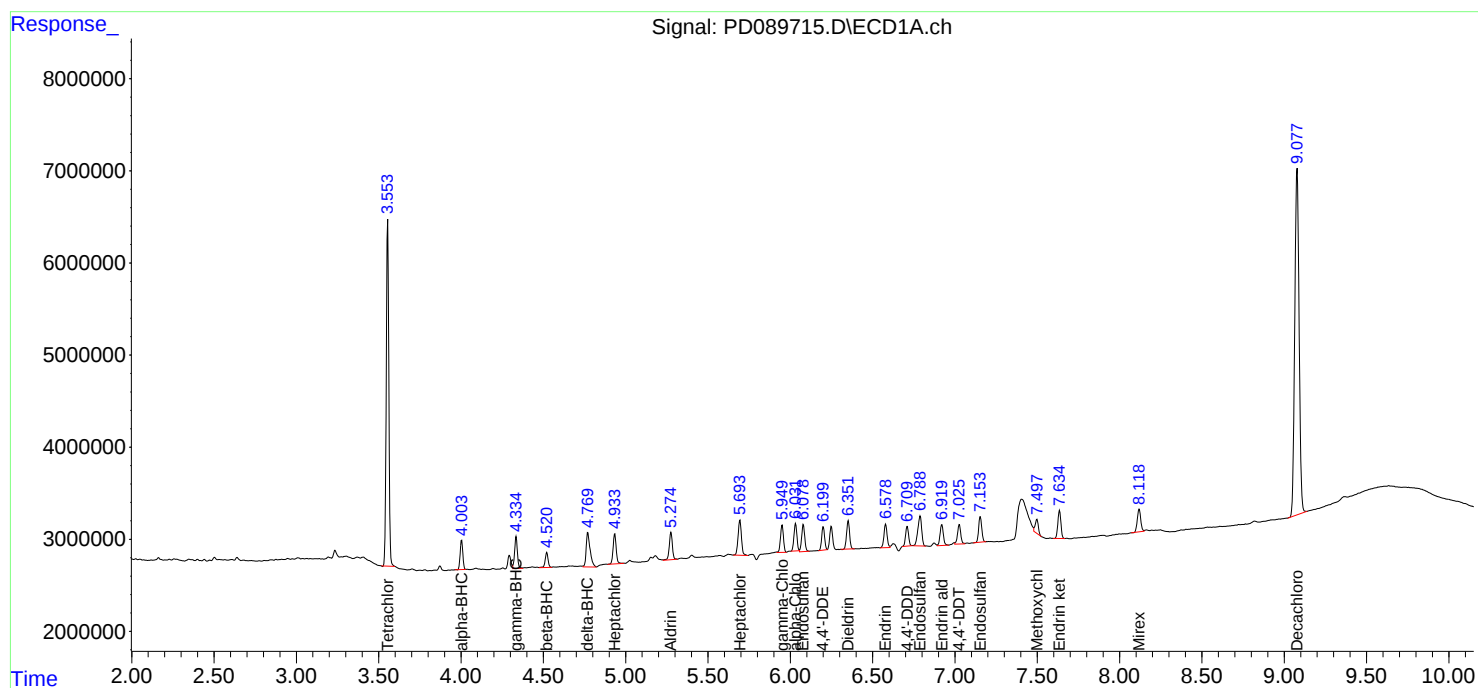
Instrument :
ECD_D
ClientSampleId :
LOD-MDL-SOIL-03-QT2-2025

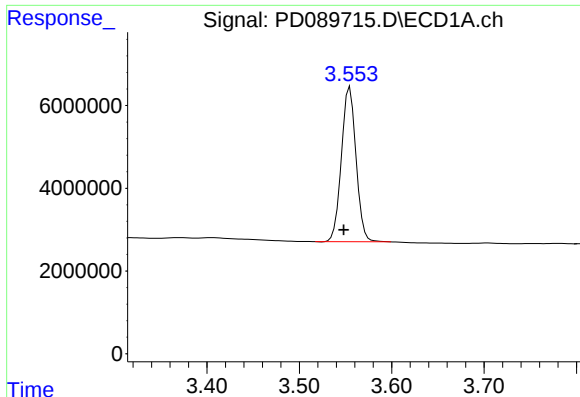
Manual Integrations
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Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 02 01:49:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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 x 0.25µm





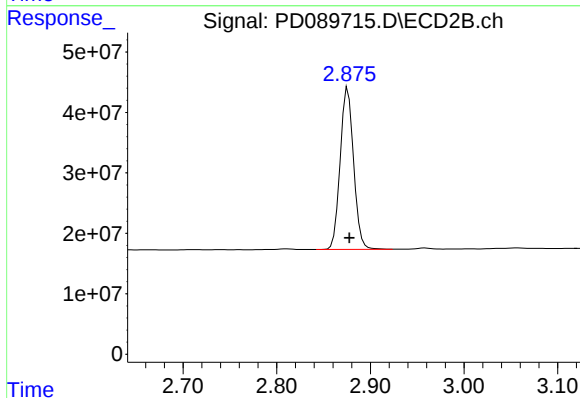
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 41098256
Conc: 16.66 ng/ml

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

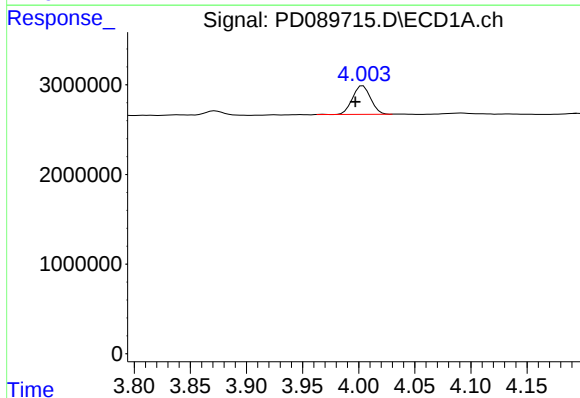
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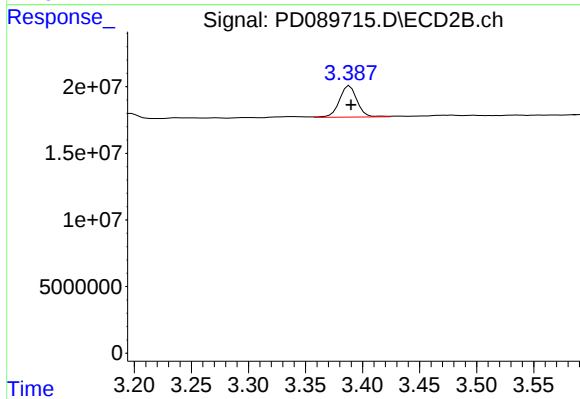
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 266813487
Conc: 16.85 ng/ml



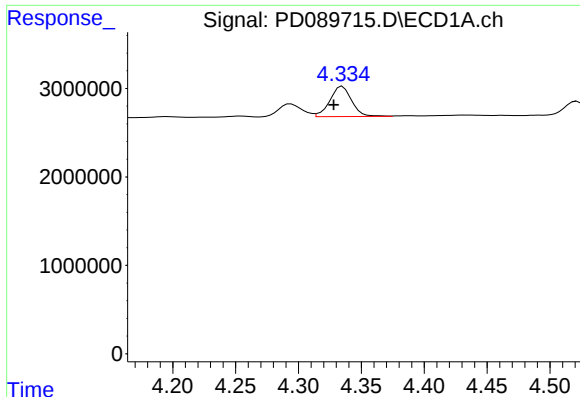
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 3582697
Conc: 0.72 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 25522989
Conc: 1.05 ng/ml



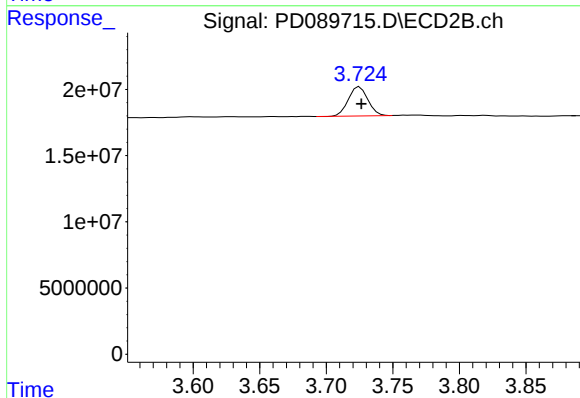
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 4136387
Conc: 0.87 ng/ml

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

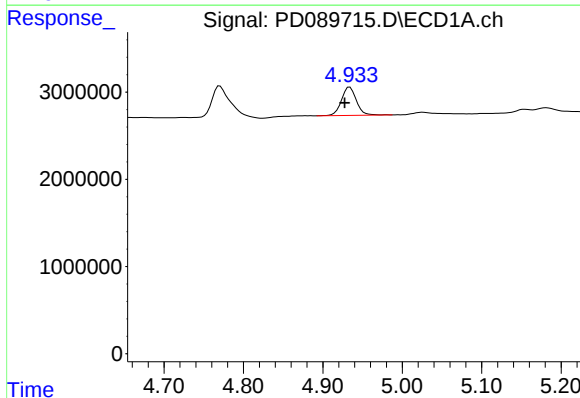
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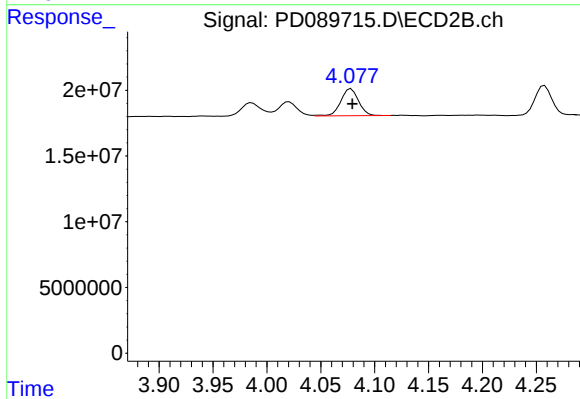
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: -0.001 min
Response: 22383619
Conc: 0.99 ng/ml



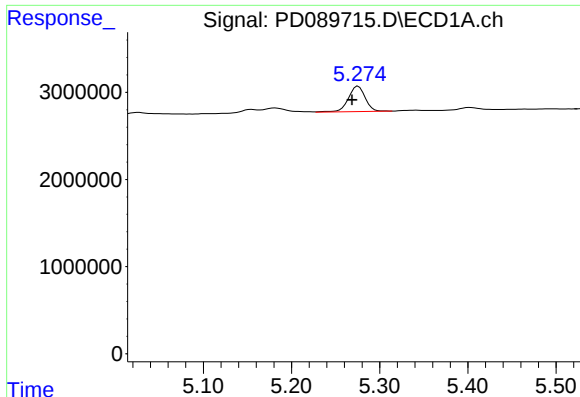
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.006 min
Response: 4235121
Conc: 0.88 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: -0.001 min
Response: 23539504
Conc: 1.01 ng/ml



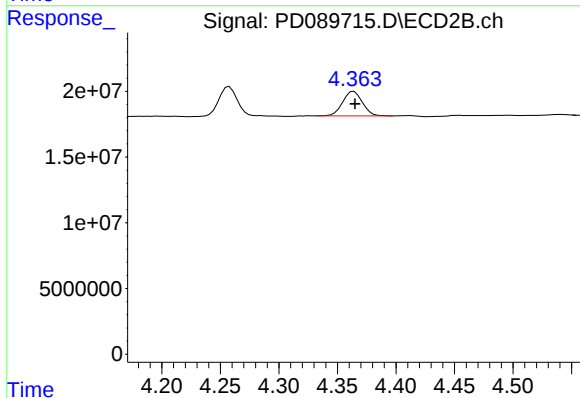
#5 Aldrin

R.T.: 5.276 min
Delta R.T.: 0.007 min
Response: 3902178
Conc: 0.85 ng/ml

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

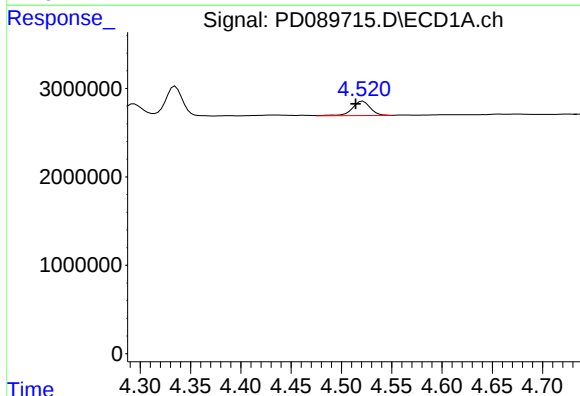
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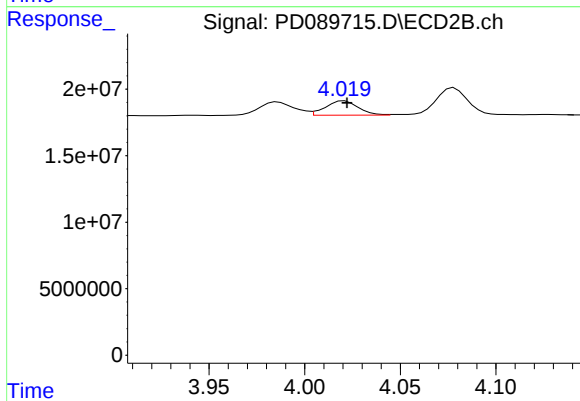
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 21674238
Conc: 0.97 ng/ml



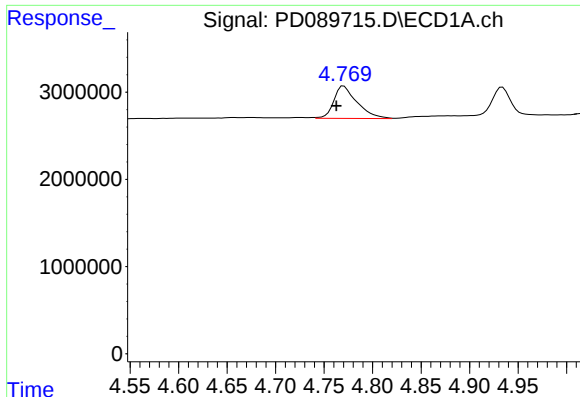
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 2001851
Conc: 1.09 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: -0.001 min
Response: 12923669
Conc: 1.34 ng/ml



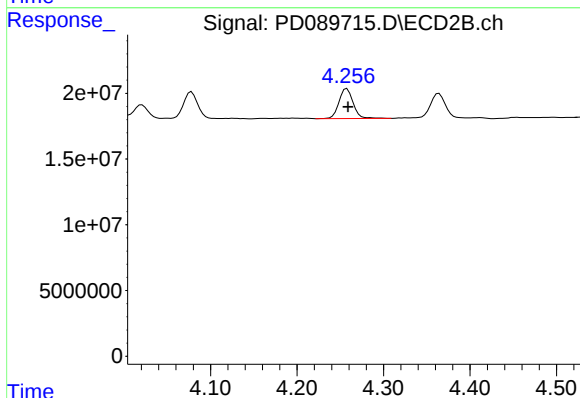
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: 0.006 min
Response: 6192370
Conc: 1.35 ng/ml

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

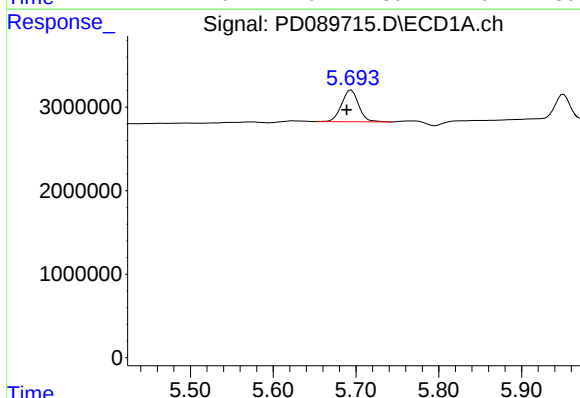
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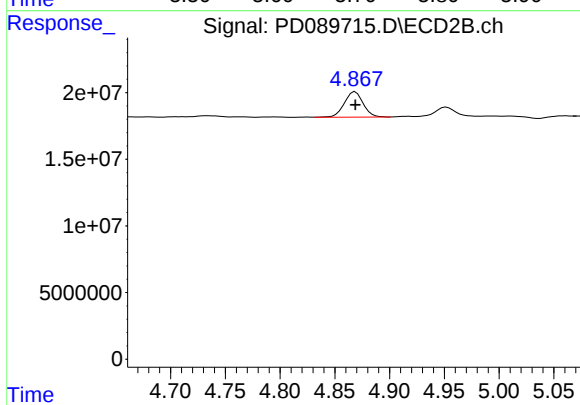
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.001 min
Response: 25681227
Conc: 1.13 ng/ml



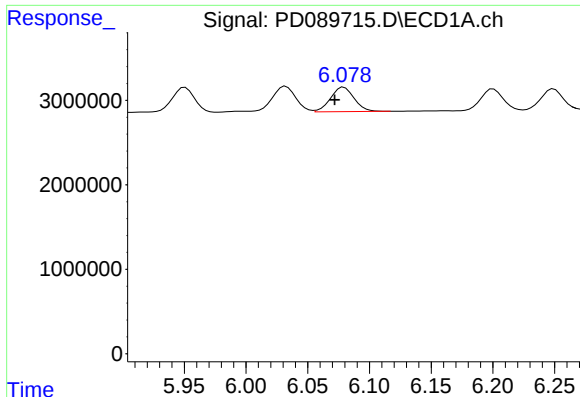
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.005 min
Response: 5443307
Conc: 1.30 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 22846120
Conc: 1.11 ng/ml



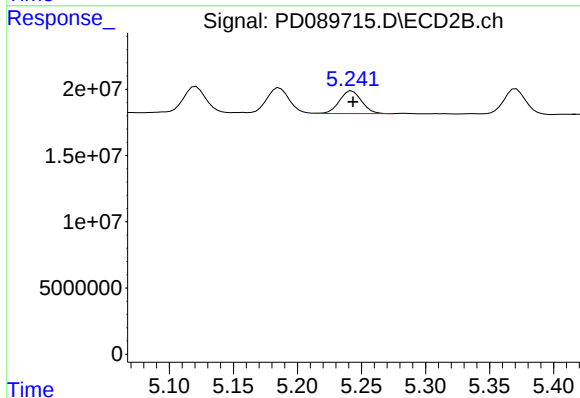
#9 Endosulfan I

R.T.: 6.079 min
Delta R.T.: 0.007 min
Response: 3842799
Conc: 0.97 ng/ml

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

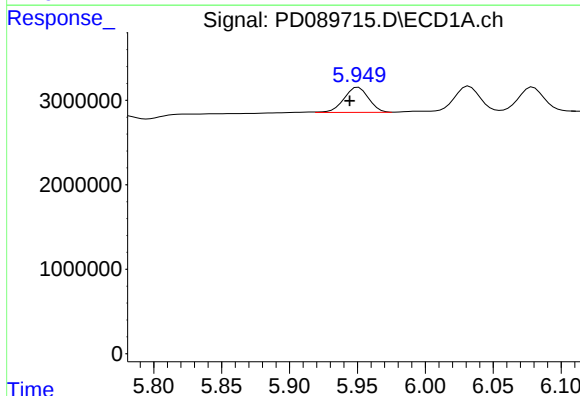
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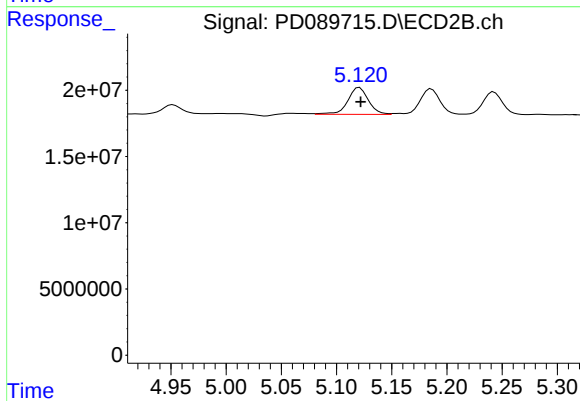
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 20674031
Conc: 1.06 ng/ml



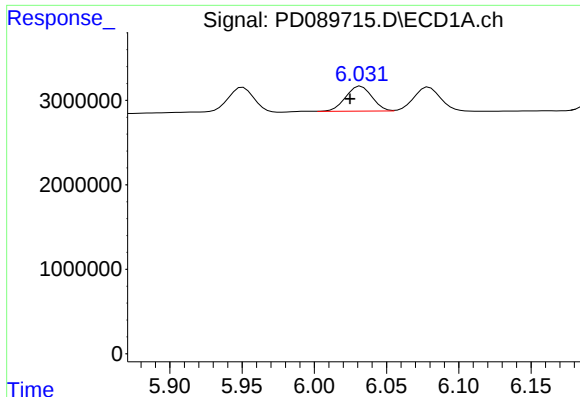
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.005 min
Response: 3752087
Conc: 0.90 ng/ml m



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 26374131
Conc: 1.22 ng/ml



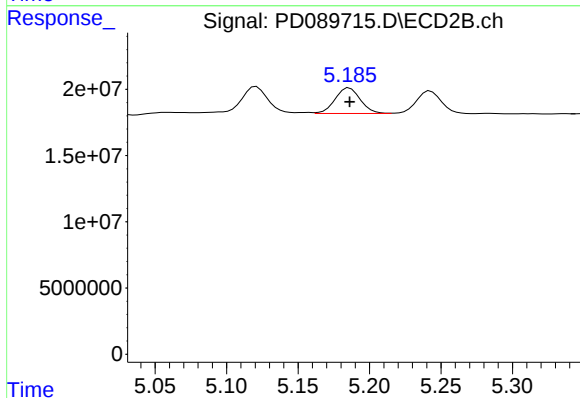
#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 3748314
Conc: 0.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
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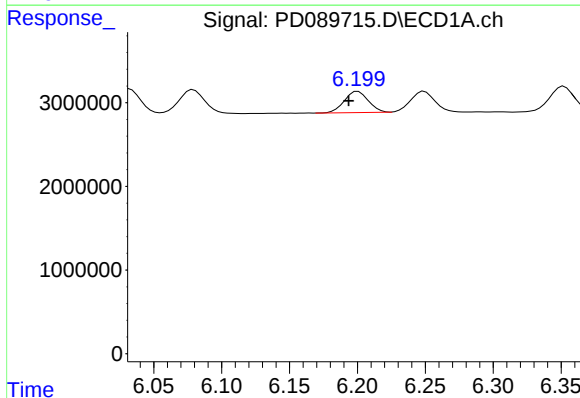
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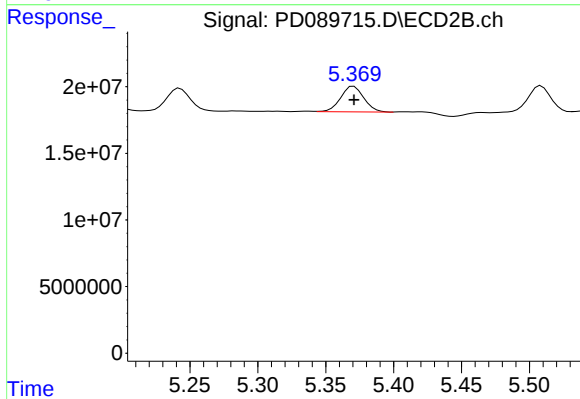
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 23859031
Conc: 1.15 ng/ml



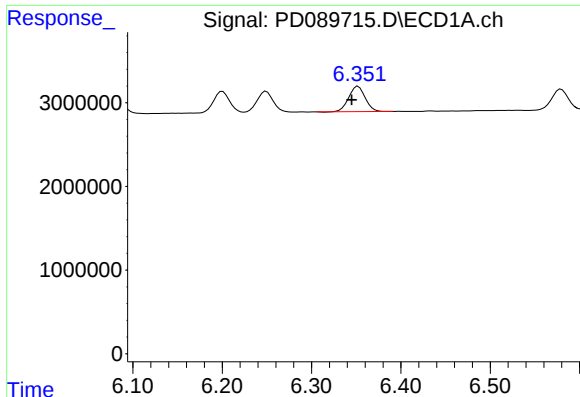
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.007 min
Response: 3098094
Conc: 0.83 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 22838249
Conc: 1.08 ng/ml



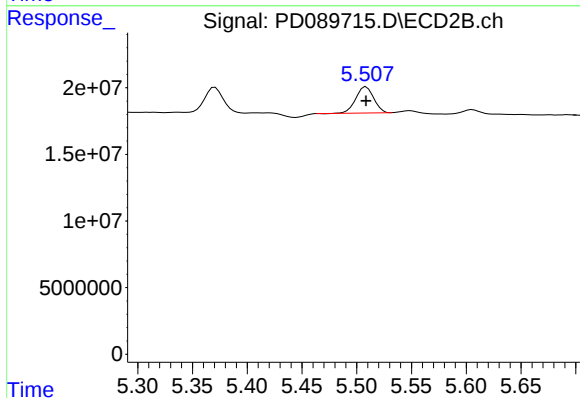
#13 Dieldrin

R.T.: 6.352 min
Delta R.T.: 0.007 min
Response: 3882439
Conc: 0.92 ng/ml

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

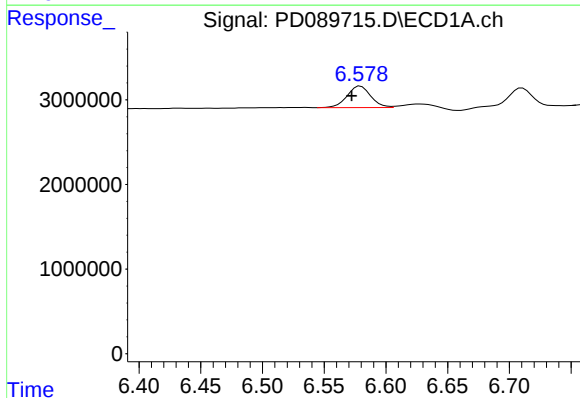
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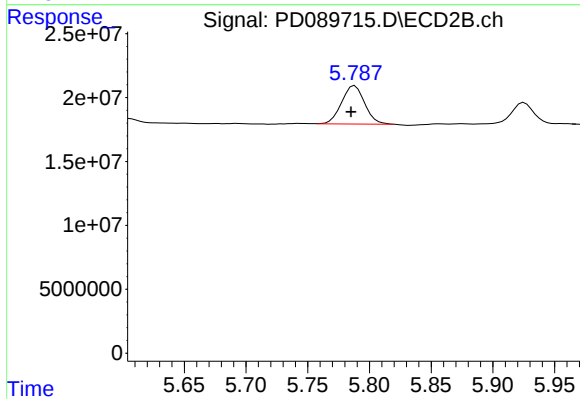
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.000 min
Response: 22385623
Conc: 1.03 ng/ml



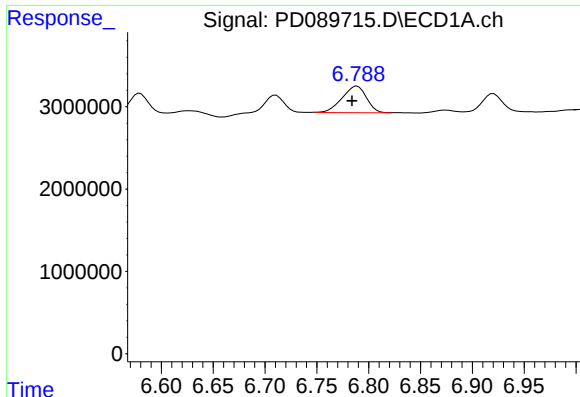
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.006 min
Response: 3411166
Conc: 0.95 ng/ml m



#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 39015884
Conc: 1.96 ng/ml m



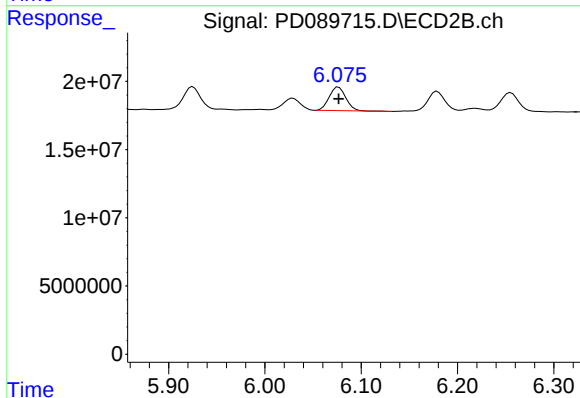
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.003 min
Response: 5270162
Conc: 1.44 ng/ml

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

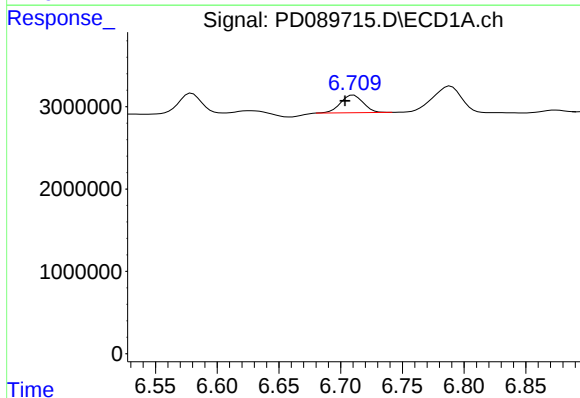
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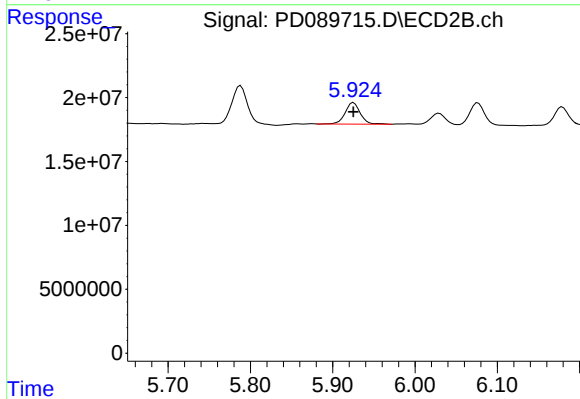
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 20952493
Conc: 1.11 ng/ml



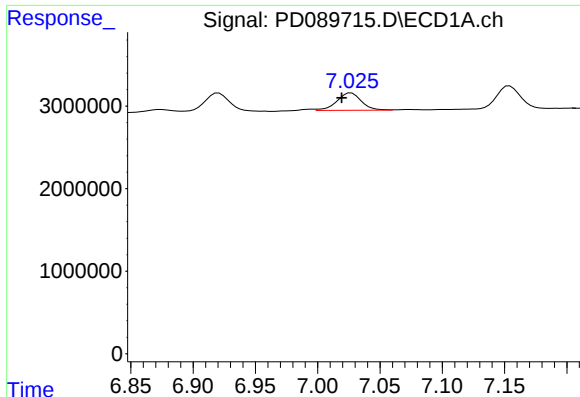
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.006 min
Response: 2756994
Conc: 0.92 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 21313765
Conc: 1.21 ng/ml



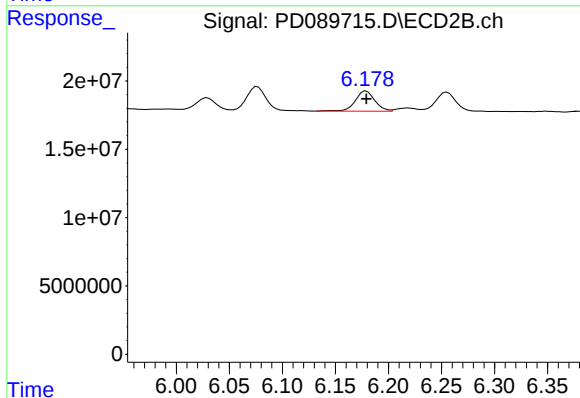
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.006 min
Response: 2904805
Conc: 0.86 ng/ml

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

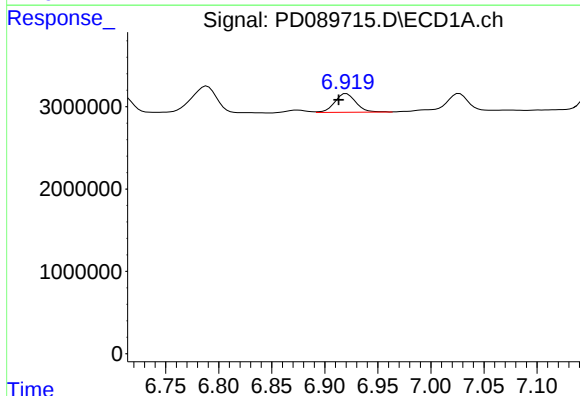
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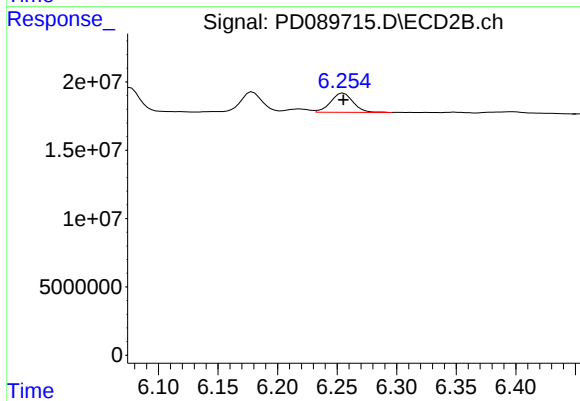
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 18878138
Conc: 1.03 ng/ml



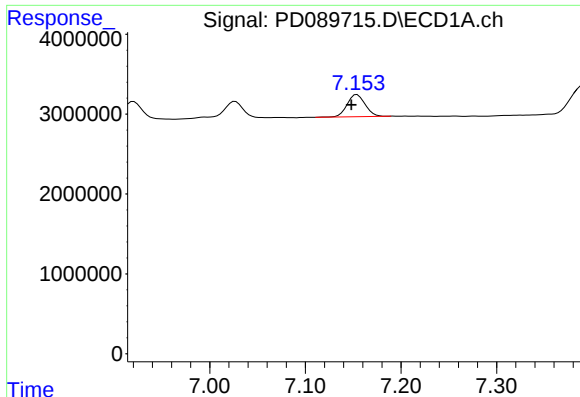
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 3137987
Conc: 1.26 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 18455005
Conc: 1.43 ng/ml



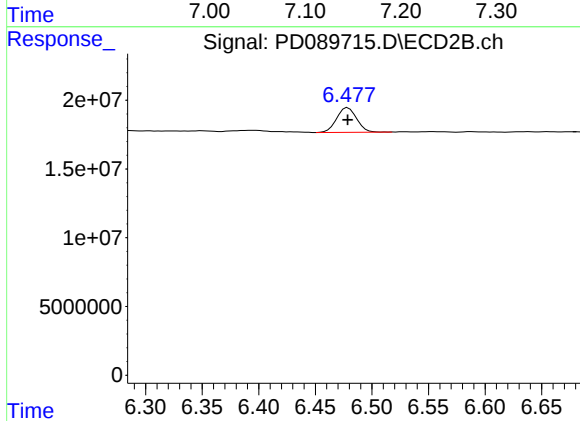
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.006 min
Response: 3646142
Conc: 1.05 ng/ml

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

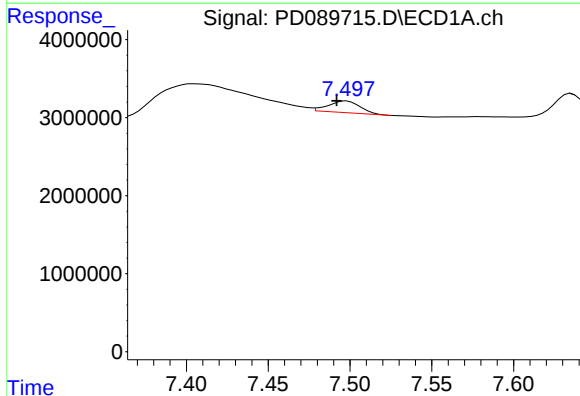
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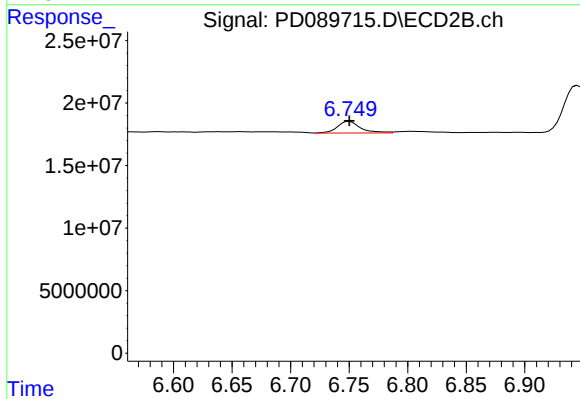
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.000 min
Response: 21896243
Conc: 1.18 ng/ml



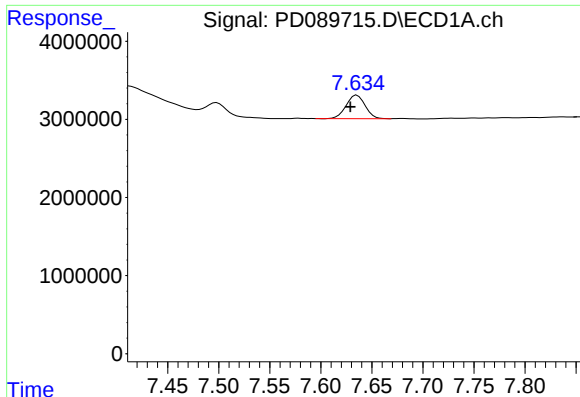
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.006 min
Response: 1957887
Conc: 1.10 ng/ml m



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 12586302
Conc: 1.28 ng/ml



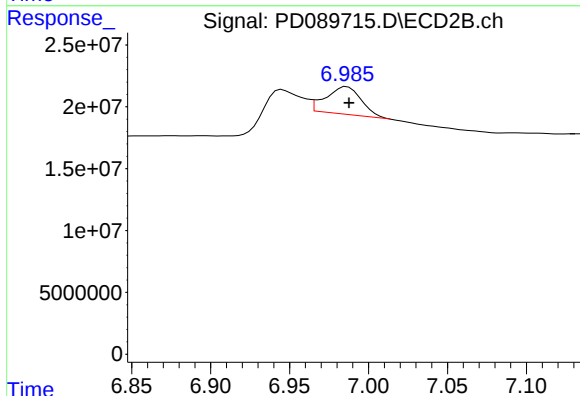
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.007 min
Response: 3898859
Conc: 1.05 ng/ml

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

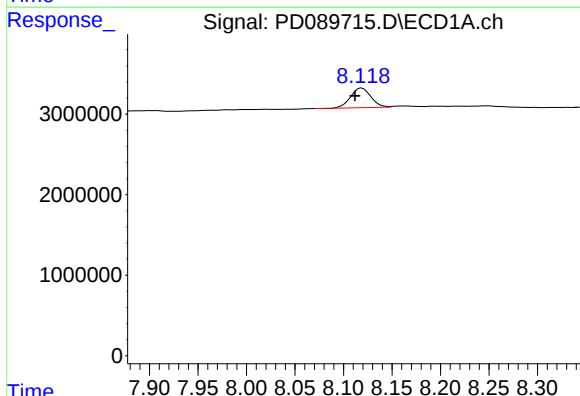
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/04/2025
Supervised By :mohammad ahmed 08/05/2025



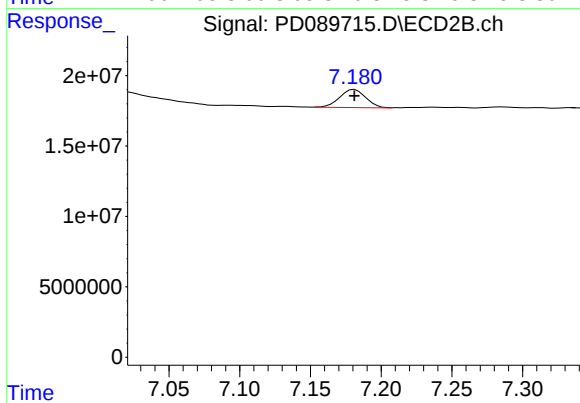
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.003 min
Response: 33486649
Conc: 1.67 ng/ml m



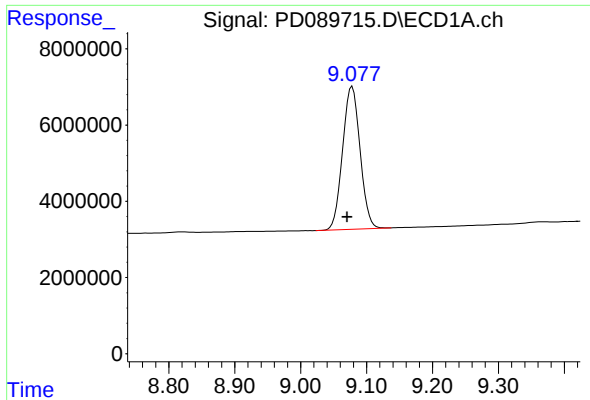
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.007 min
Response: 3530898
Conc: 1.27 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: -0.001 min
Response: 16326678
Conc: 1.07 ng/ml m



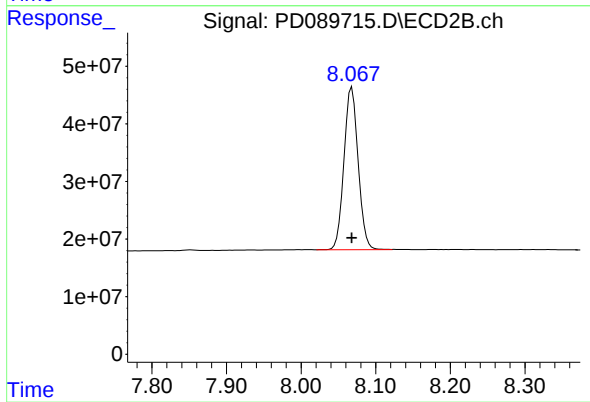
#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.008 min
Response: 69083151
Conc: 18.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.000 min
Response: 372039667
Conc: 18.53 ng/ml