

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070225\
 Data File : PD089282.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Jul 2025 17:59
 Operator : AR\AJ
 Sample : Q2409-02MS
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COP-SOIL-PILEMS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/02/2025
 Supervised By : mohammad ahmed 07/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 02 01:49:15 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...	3.551	2.880	48423083	303.3E6	16.972	17.890m
28)	SA Decachlor...	9.073	8.072	77896242	389.5E6	19.833	19.701
Target Compounds							
2)	A alpha-BHC	4.000	3.392	275.5E6	1237.9E6	47.267	46.196m
3)	MA gamma-BHC...	4.329	3.728	267.7E6	1153.8E6	47.958m	46.604m
4)	MA Heptachlor	4.930	4.083	226.7E6	1016.0E6	41.575	40.579
5)	MB Aldrin	5.271	4.369	214.5E6	969.9E6	40.364	40.051
6)	B beta-BHC	4.516	4.026	102.2E6	499.3E6	46.310	46.462
7)	B delta-BHC	4.763	4.262	277.1E6	1176.4E6	53.990m	47.297
8)	B Heptachlo...	5.691	4.872	226.1E6	1038.6E6	46.880	47.427
9)	A Endosulfan I	6.075	5.246	213.0E6	984.6E6	47.253	47.238
10)	B gamma-Chl...	5.946	5.125	224.5E6	1098.2E6	46.885	45.905
11)	B alpha-Chl...	6.027	5.190	224.6E6	1053.5E6	46.424	46.010
12)	B 4,4'-DDE	6.196	5.375	204.4E6	1054.8E6	46.865	46.027
13)	MA Dieldrin	6.347	5.512	230.1E6	1106.0E6	47.954	47.654
14)	MA Endrin	6.575	5.789	189.8E6	978.2E6	45.998	45.049
15)	B Endosulfa...	6.786	6.080	195.3E6	951.1E6	48.376	47.091
16)	A 4,4'-DDD	6.705	5.929	166.9E6	912.0E6	48.634	47.676
17)	MA 4,4'-DDT	7.021	6.183	165.5E6	848.8E6	43.682	41.853
18)	B Endrin al...	6.915	6.258	144.6E6	714.5E6	47.206	46.663
19)	B Endosulfa...	7.149	6.482	182.0E6	914.3E6	47.423	46.600
20)	A Methoxychlor	7.493	6.753	83086683	439.2E6	41.119	40.784
21)	B Endrin ke...	7.630	6.991	195.1E6	1008.4E6	47.908	46.682
22)	Mirex	8.114	7.185	140.7E6	738.6E6	46.267	44.285

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

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Data File : PD089282.D
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Acq On : 01 Jul 2025 17:59
Operator : AR\AJ
Sample : Q2409-02MS
Misc :
ALS Vial : 17 Sample Multiplier: 1

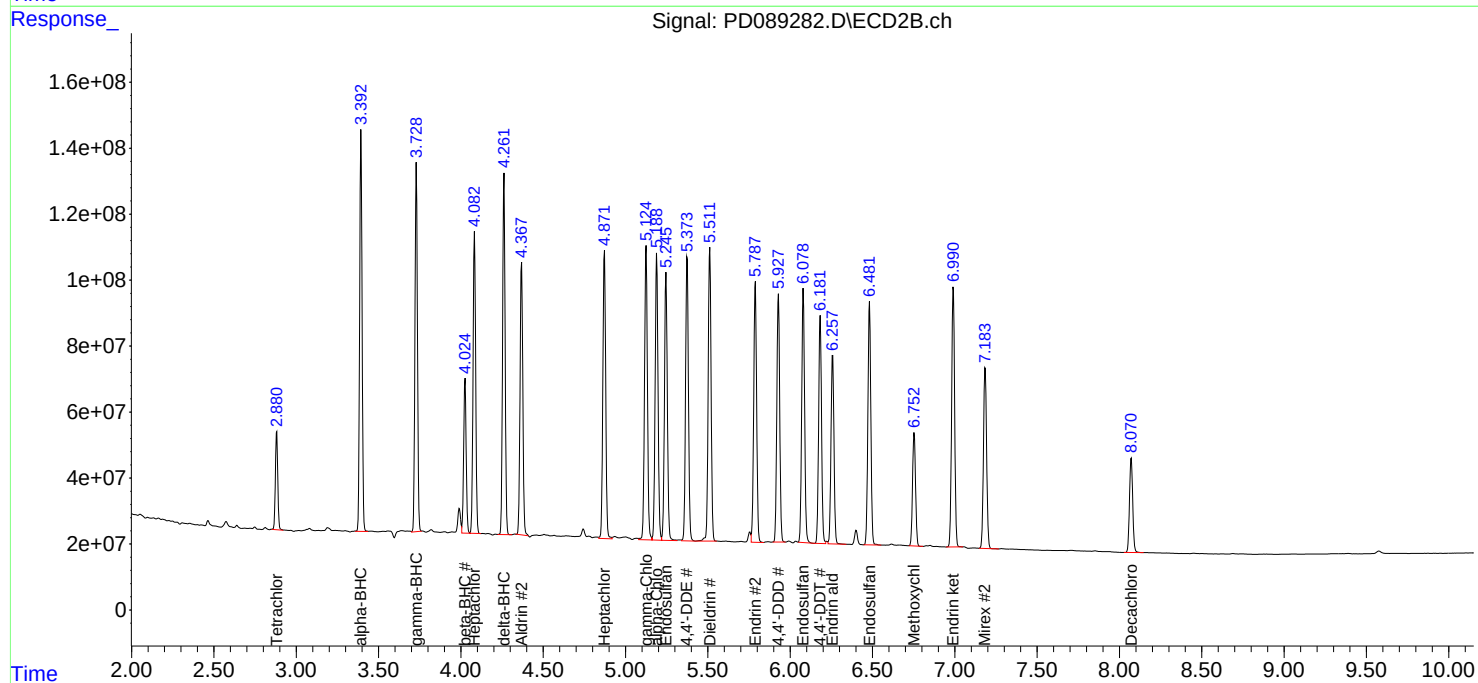
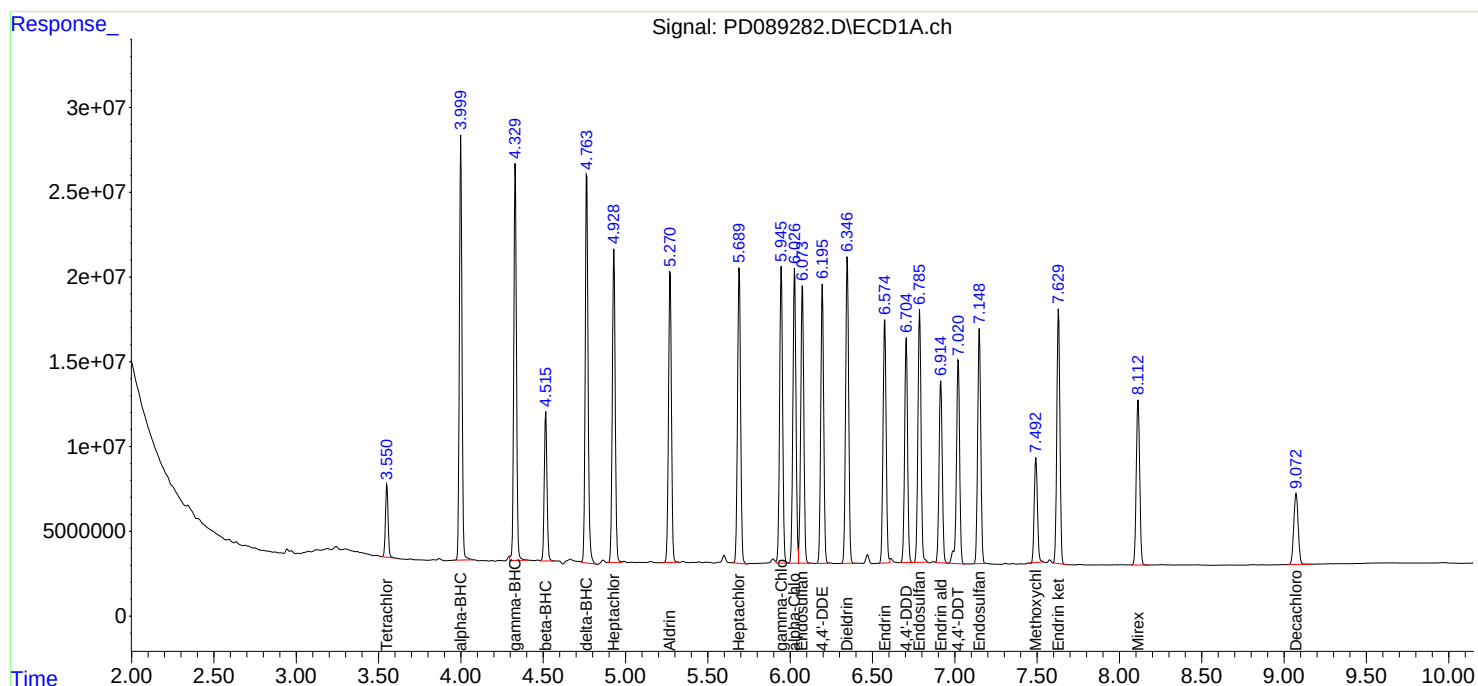
Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

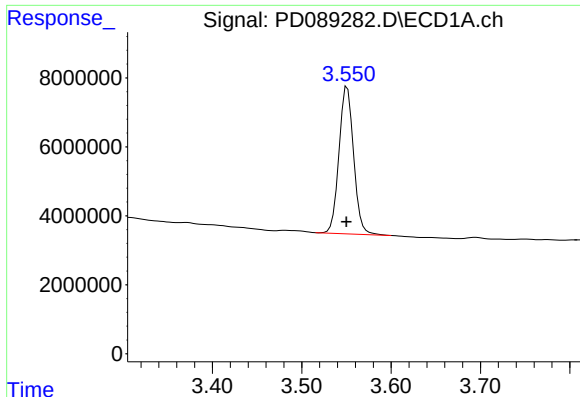
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 02 01:49:15 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.001 min
Response: 48423083
Conc: 16.97 ng/ml

Instrument :

ECD_D

ClientSampleId :

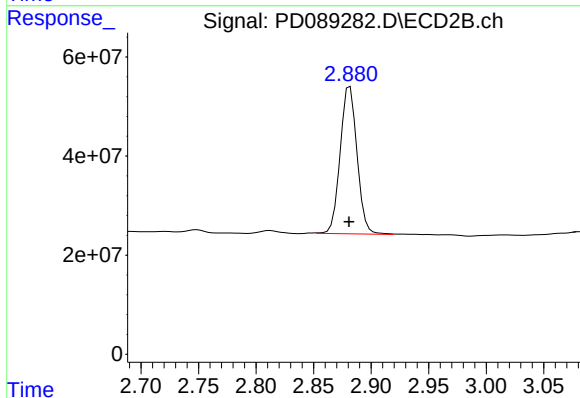
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Manual Integrations

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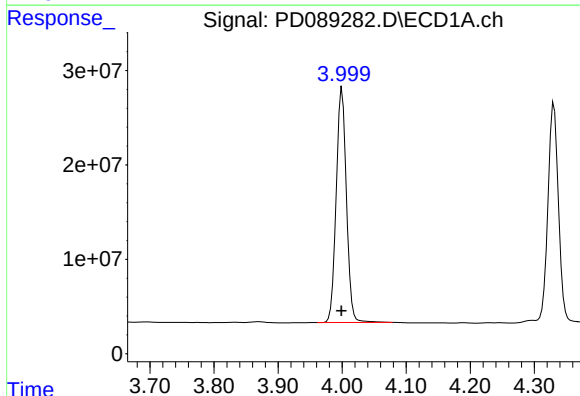
Reviewed By :Abdul Mirza 07/02/2025

Supervised By :mohammad ahmed 07/04/2025



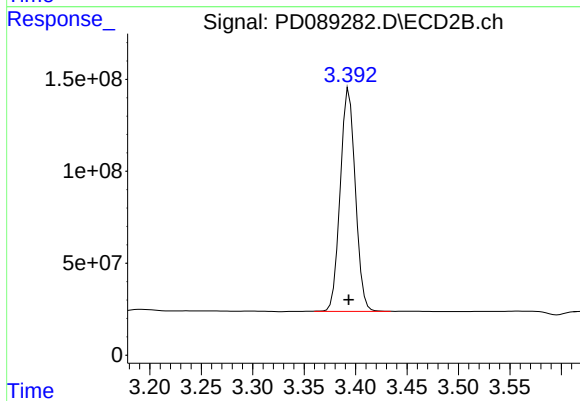
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: 0.000 min
Response: 303296288
Conc: 17.89 ng/ml m



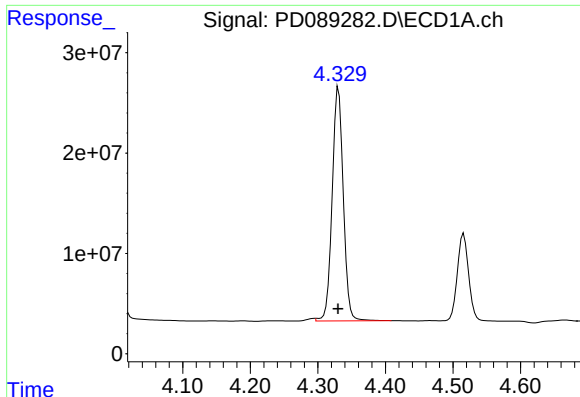
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 275524742
Conc: 47.27 ng/ml



#2 alpha-BHC

R.T.: 3.392 min
Delta R.T.: -0.001 min
Response: 1237923401
Conc: 46.20 ng/ml m



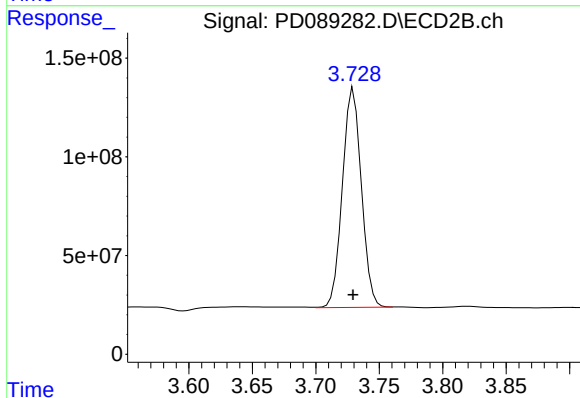
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 267685121
Conc: 47.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

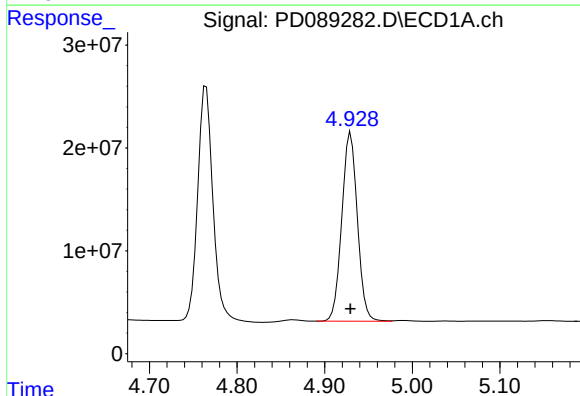
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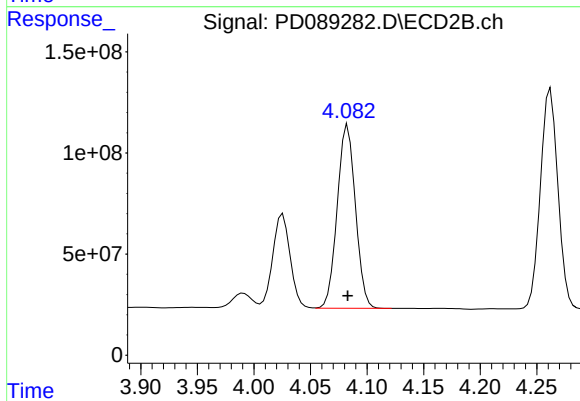
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.001 min
Response: 1153780293
Conc: 46.60 ng/ml m



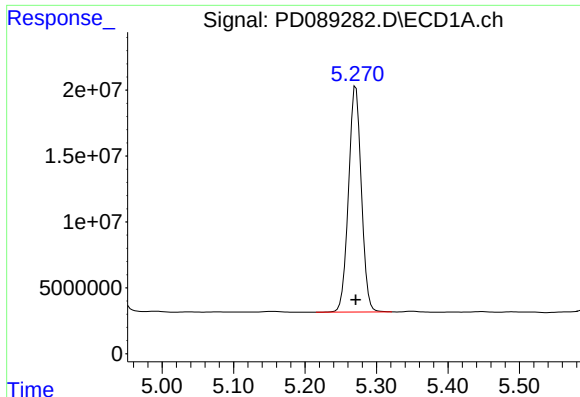
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 226667256
Conc: 41.58 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1016033562
Conc: 40.58 ng/ml



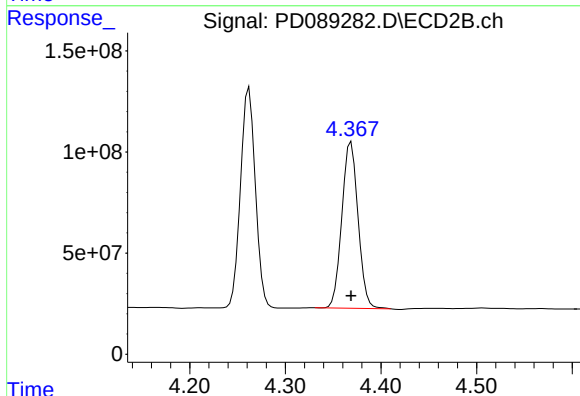
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 214453124
Conc: 40.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

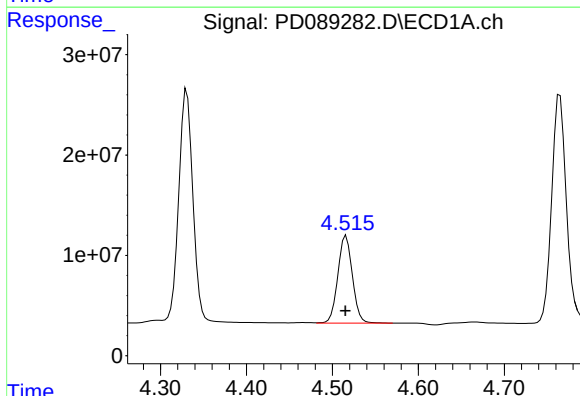
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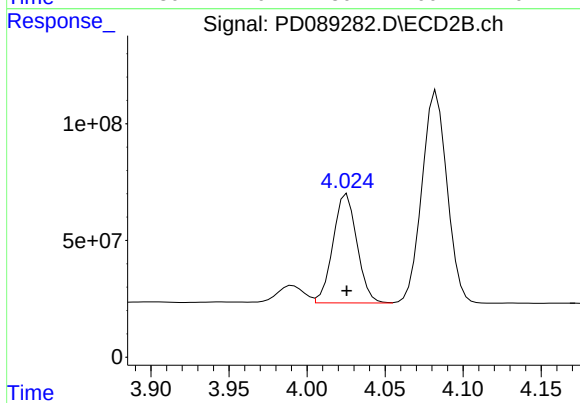
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 969913925
Conc: 40.05 ng/ml



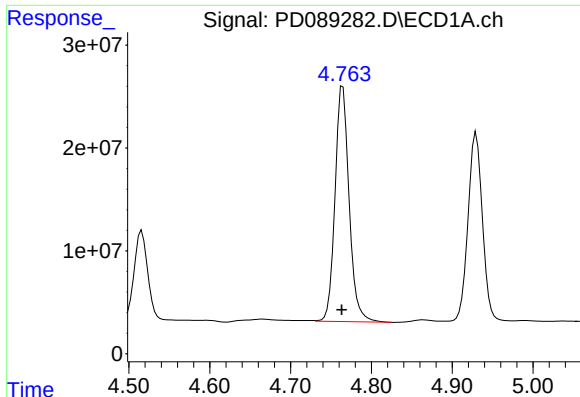
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 102213508
Conc: 46.31 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 499290914
Conc: 46.46 ng/ml



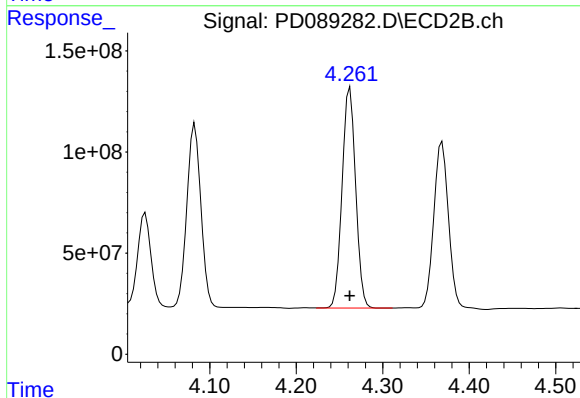
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 277127963
Conc: 53.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

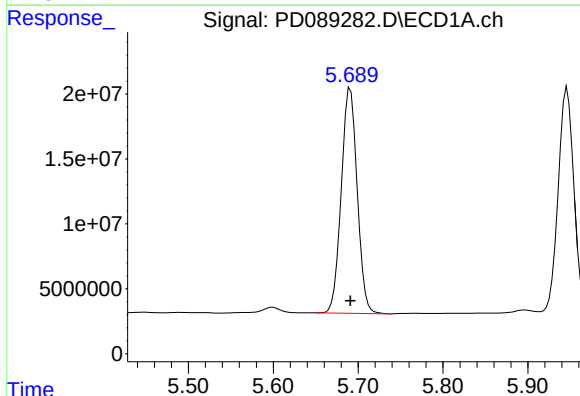
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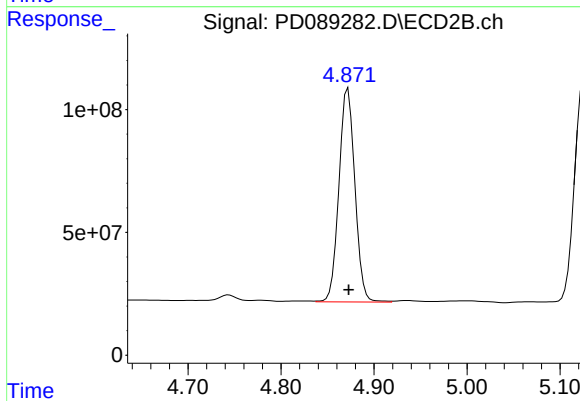
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1176444972
Conc: 47.30 ng/ml



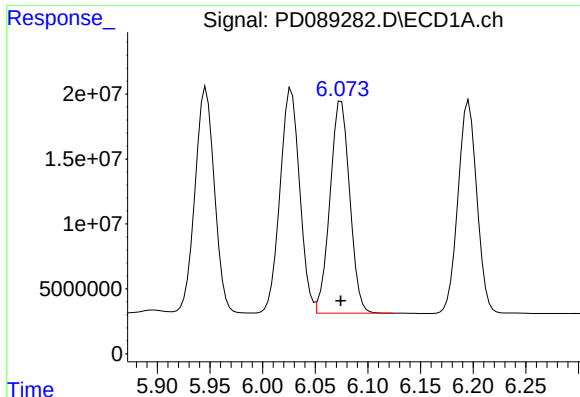
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 226147507
Conc: 46.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1038550985
Conc: 47.43 ng/ml



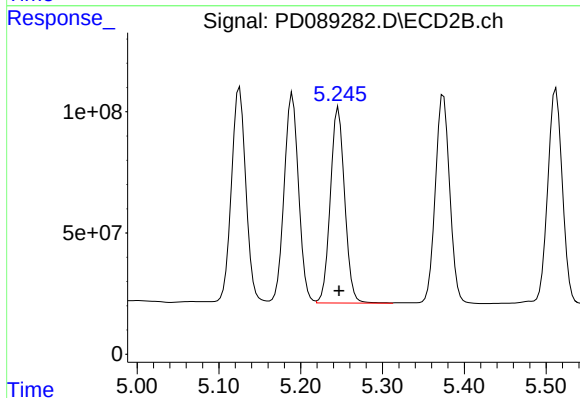
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 212988690
Conc: 47.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

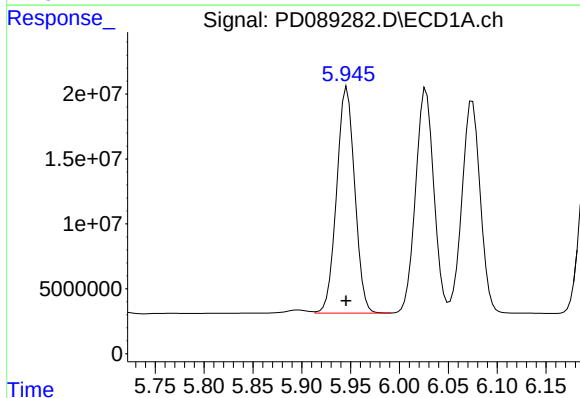
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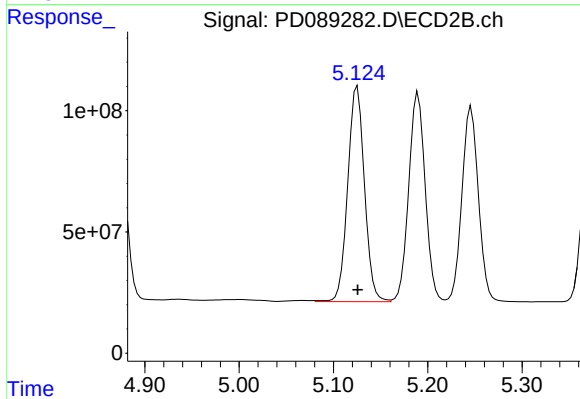
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 984558020
Conc: 47.24 ng/ml



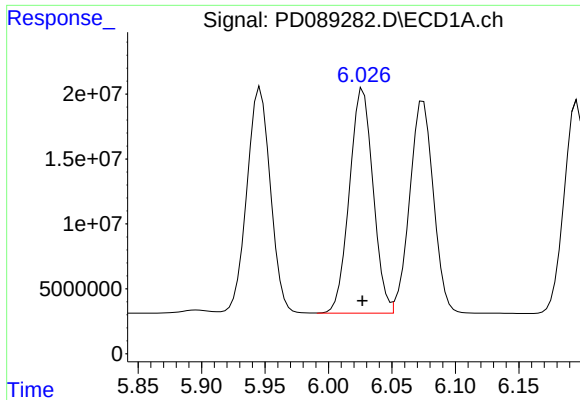
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 224489276
Conc: 46.88 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1098174405
Conc: 45.91 ng/ml



#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 224622720
Conc: 46.42 ng/ml

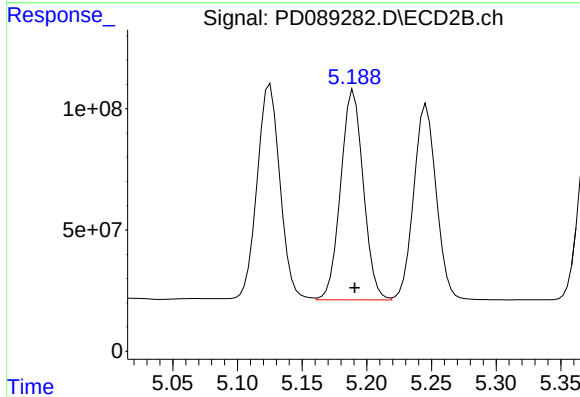
Instrument :

ECD_D

ClientSampleId :
COP-SOIL-PILEMS

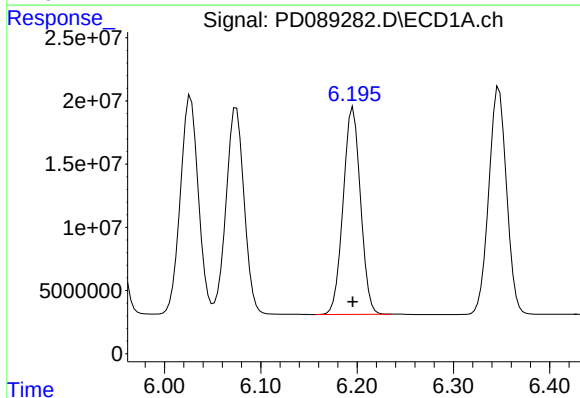
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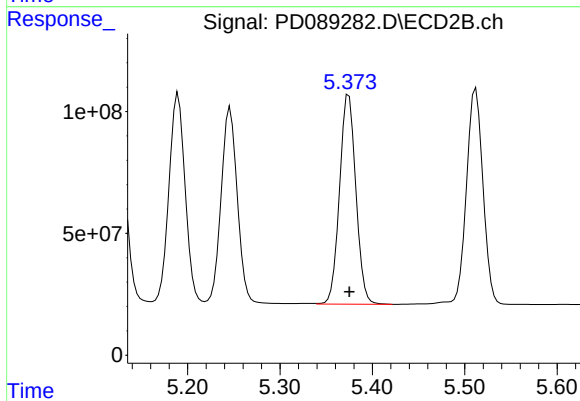
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1053486730
Conc: 46.01 ng/ml



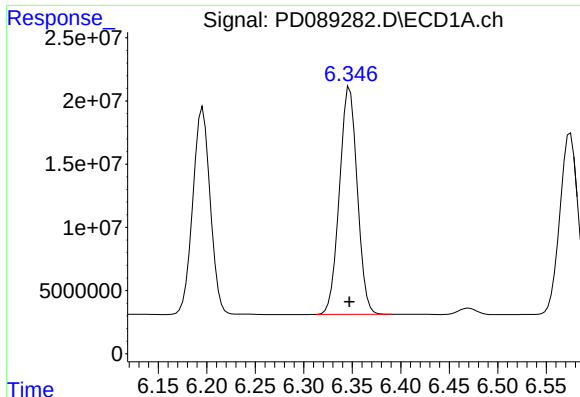
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 204380590
Conc: 46.87 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1054769304
Conc: 46.03 ng/ml



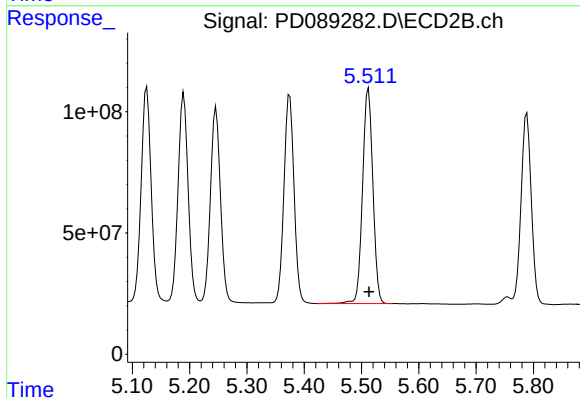
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 230057312
Conc: 47.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
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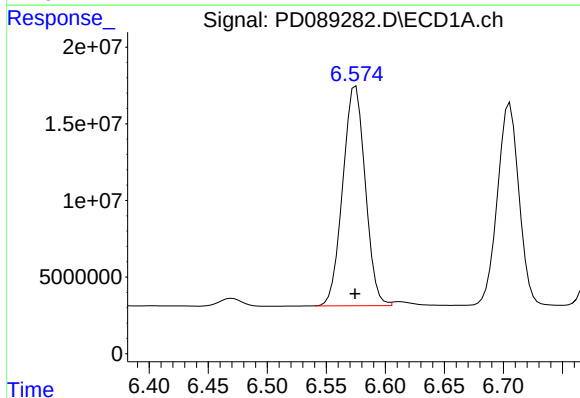
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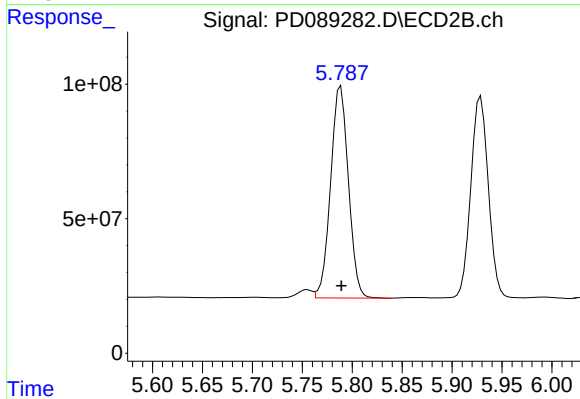
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 1105969770
Conc: 47.65 ng/ml



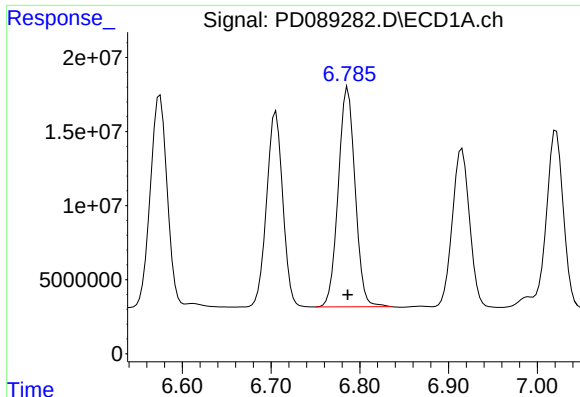
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 189768756
Conc: 46.00 ng/ml



#14 Endrin

R.T.: 5.789 min
Delta R.T.: 0.000 min
Response: 978188208
Conc: 45.05 ng/ml



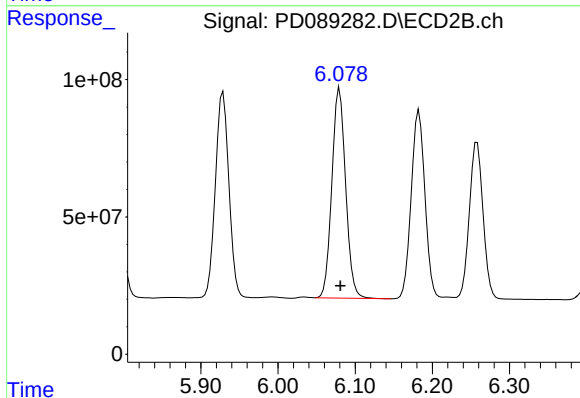
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 195274252
Conc: 48.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

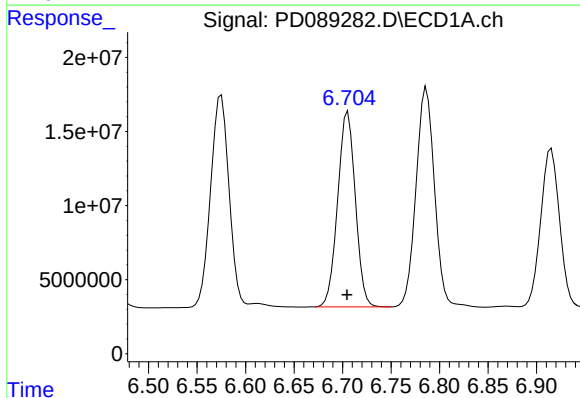
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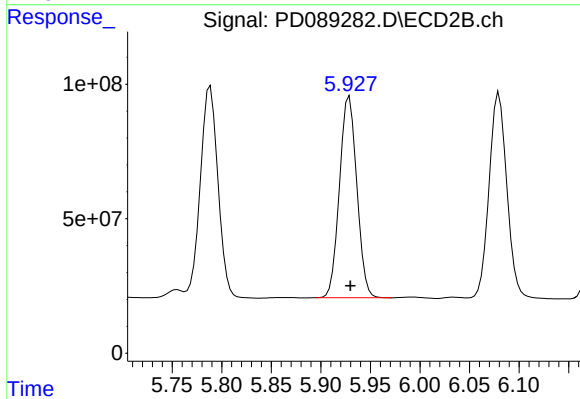
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 951078355
Conc: 47.09 ng/ml



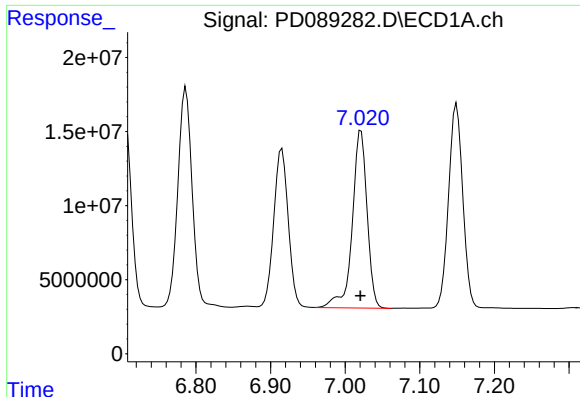
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 166913701
Conc: 48.63 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.001 min
Response: 912016347
Conc: 47.68 ng/ml



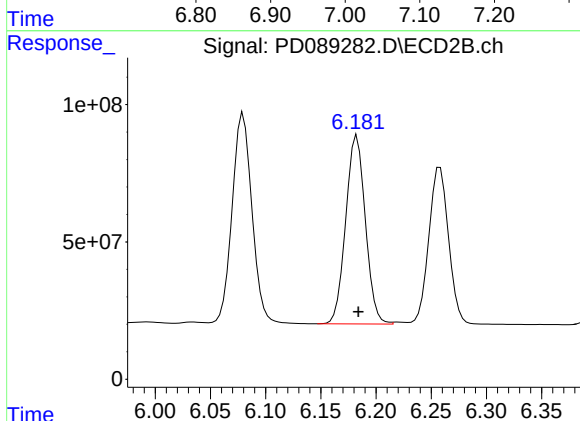
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 165478075
Conc: 43.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

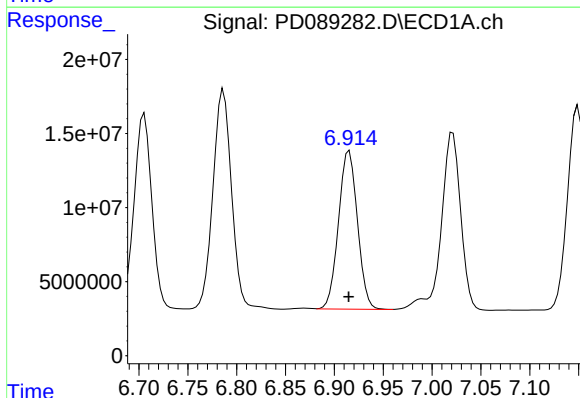
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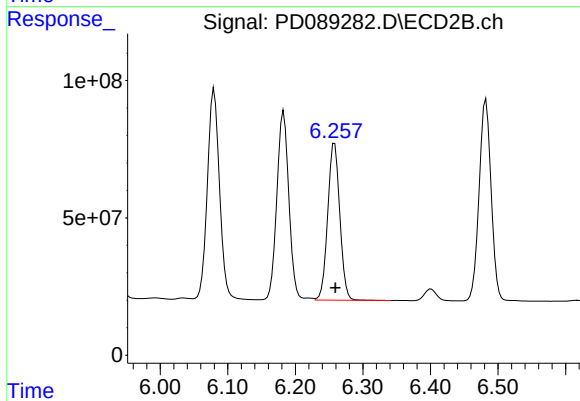
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 848760809
Conc: 41.85 ng/ml



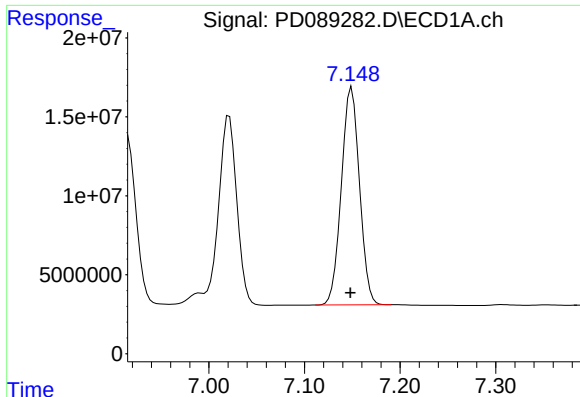
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 144636231
Conc: 47.21 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 714474075
Conc: 46.66 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.001 min
Response: 181971289
Conc: 47.42 ng/ml

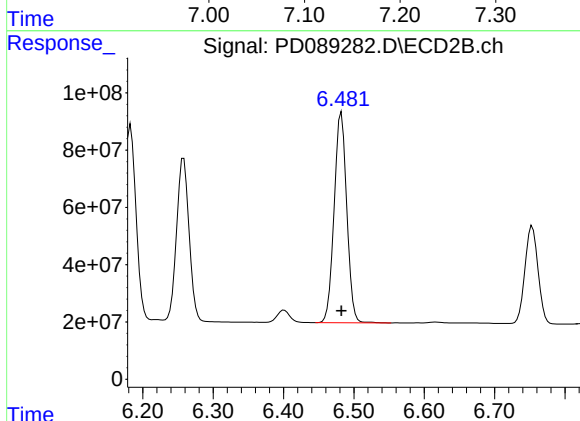
Instrument :

ECD_D

ClientSampleId :
COP-SOIL-PILEMS

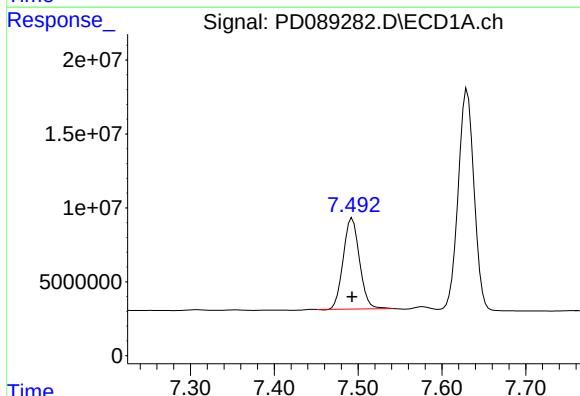
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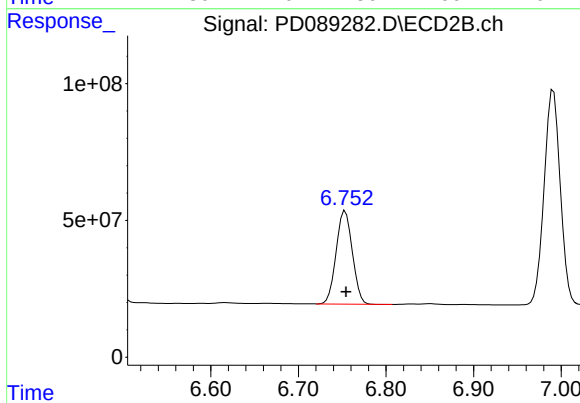
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 914346509
Conc: 46.60 ng/ml



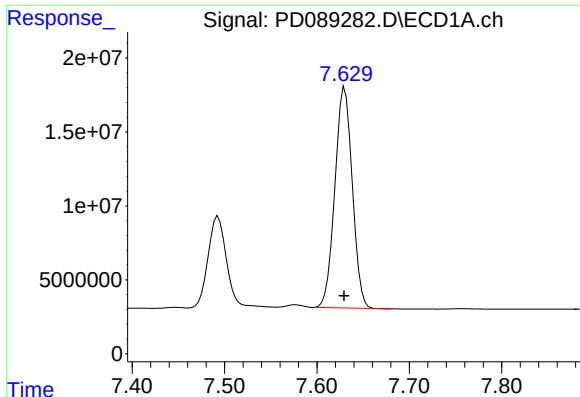
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 83086683
Conc: 41.12 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 439164313
Conc: 40.78 ng/ml



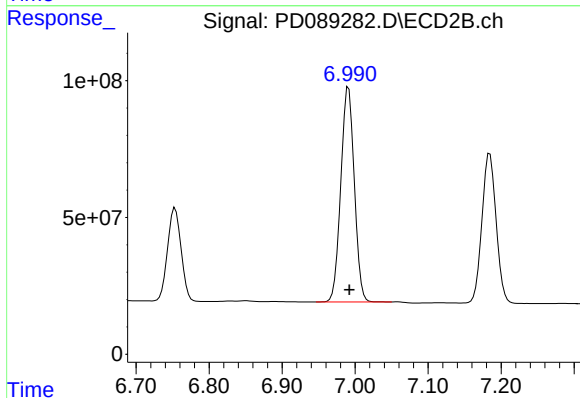
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 195134157
Conc: 47.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

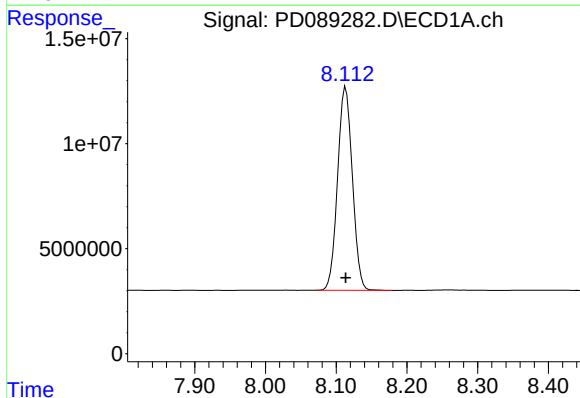
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/02/2025
Supervised By :mohammad ahmed 07/04/2025



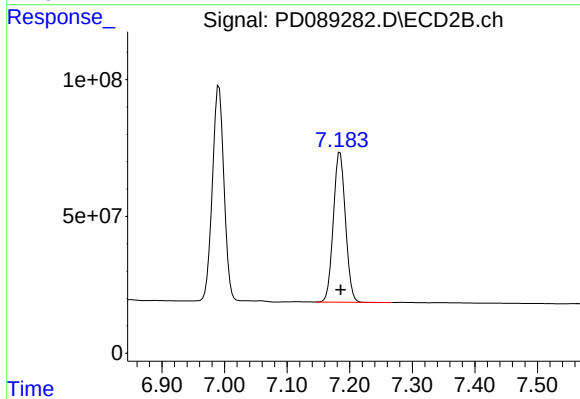
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 1008408597
Conc: 46.68 ng/ml



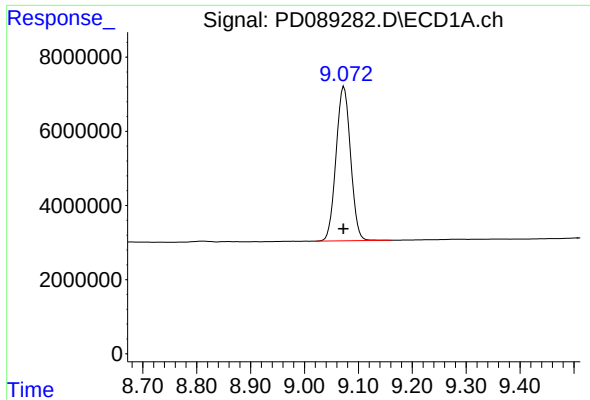
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 140659411
Conc: 46.27 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 738597589
Conc: 44.29 ng/ml



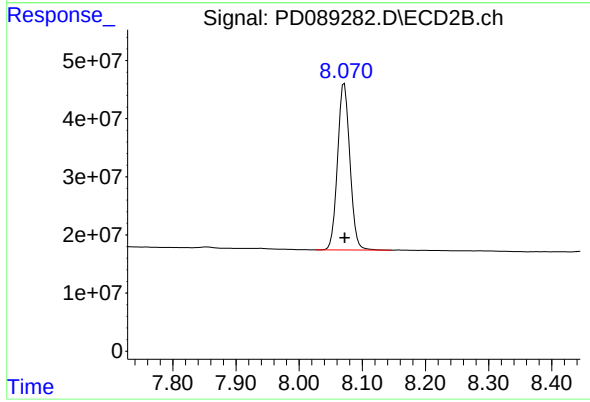
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.001 min
Response: 77896242
Conc: 19.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
COP-SOIL-PILEMS

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 389478330
Conc: 19.70 ng/ml