

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082625\
 Data File : PD090034.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Aug 2025 15:47
 Operator : AR\AJ
 Sample : Q2941-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOIL-COMP(1-2)MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/27/2025
 Supervised By :mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 27 04:59:55 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...	3.547	2.876	36375036	262.9E6	12.394m	11.923m
28)	SA Decachlor...	9.071	8.065	48752210	233.8E6	11.296m	9.034
Target Compounds							
2)	A alpha-BHC	3.998	3.388	264.6E6	1374.8E6	44.081	40.509m
3)	MA gamma-BHC...	4.329	3.726	260.3E6	1265.4E6	45.458	40.594
4)	MA Heptachlor	4.927	4.078	239.9E6	1244.4E6	42.778	39.894
5)	MB Aldrin	5.269	4.364	244.4E6	1242.5E6	45.144	40.798
6)	B beta-BHC	4.515	4.022	89821353	579.5E6	40.045	43.476
7)	B delta-BHC	4.763	4.258	199.0E6	1051.4E6	38.439	33.326
8)	B Heptachlo...	5.689	4.868	217.1E6	1139.7E6	44.254	41.151
9)	A Endosulfan I	6.072	5.243	212.8E6	1050.4E6	46.115	40.060
10)	B gamma-Chl...	5.943	5.120	215.6E6	1259.3E6	44.085m	42.529
11)	B alpha-Chl...	6.025	5.185	219.3E6	1210.3E6	44.549	42.411
12)	B 4,4'-DDE	6.195	5.370	181.9E6	1181.9E6	41.449	41.007
13)	MA Dieldrin	6.345	5.508	219.3E6	1275.5E6	44.798	43.552
14)	MA Endrin	6.573	5.785	192.7E6	1085.7E6	46.515	40.766
15)	B Endosulfa...	6.785	6.076	186.0E6	1054.6E6	44.085	41.693
16)	A 4,4'-DDD	6.704	5.924	157.6E6	923.0E6	45.572	38.389
17)	MA 4,4'-DDT	7.020	6.178	160.1E6	943.5E6	42.016	37.637
18)	B Endrin al...	6.914	6.254	124.7E6	688.5E6	43.488	39.982
19)	B Endosulfa...	7.149	6.477	166.6E6	940.5E6	42.511	38.577
20)	A Methoxychlor	7.491	6.749	75905880	484.5E6	37.847m	37.574
21)	B Endrin ke...	7.629	6.986	176.9E6	976.7E6	42.679	36.655
22)	Mirex	8.110	7.178	140.3E6	770.3E6	44.466m	37.294m

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

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Data File : PD090034.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2025 15:47
Operator : AR\AJ
Sample : Q2941-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

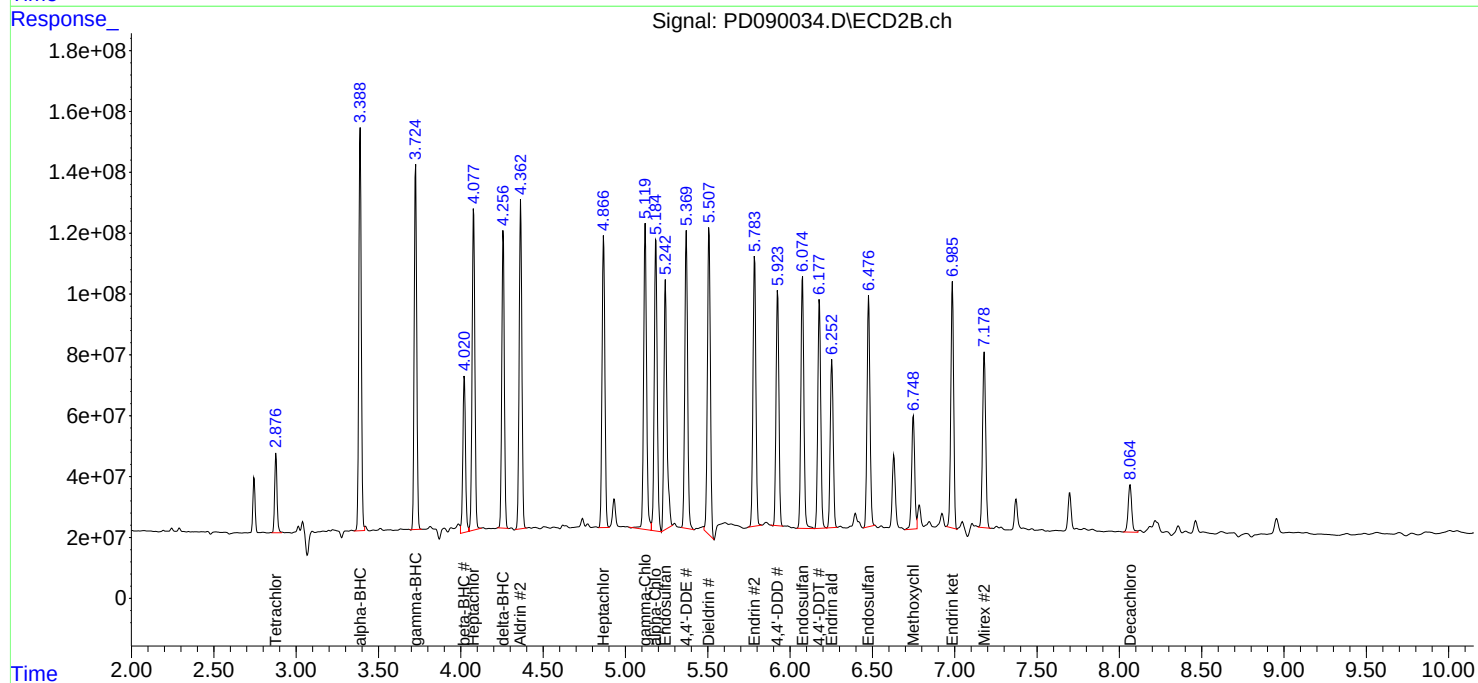
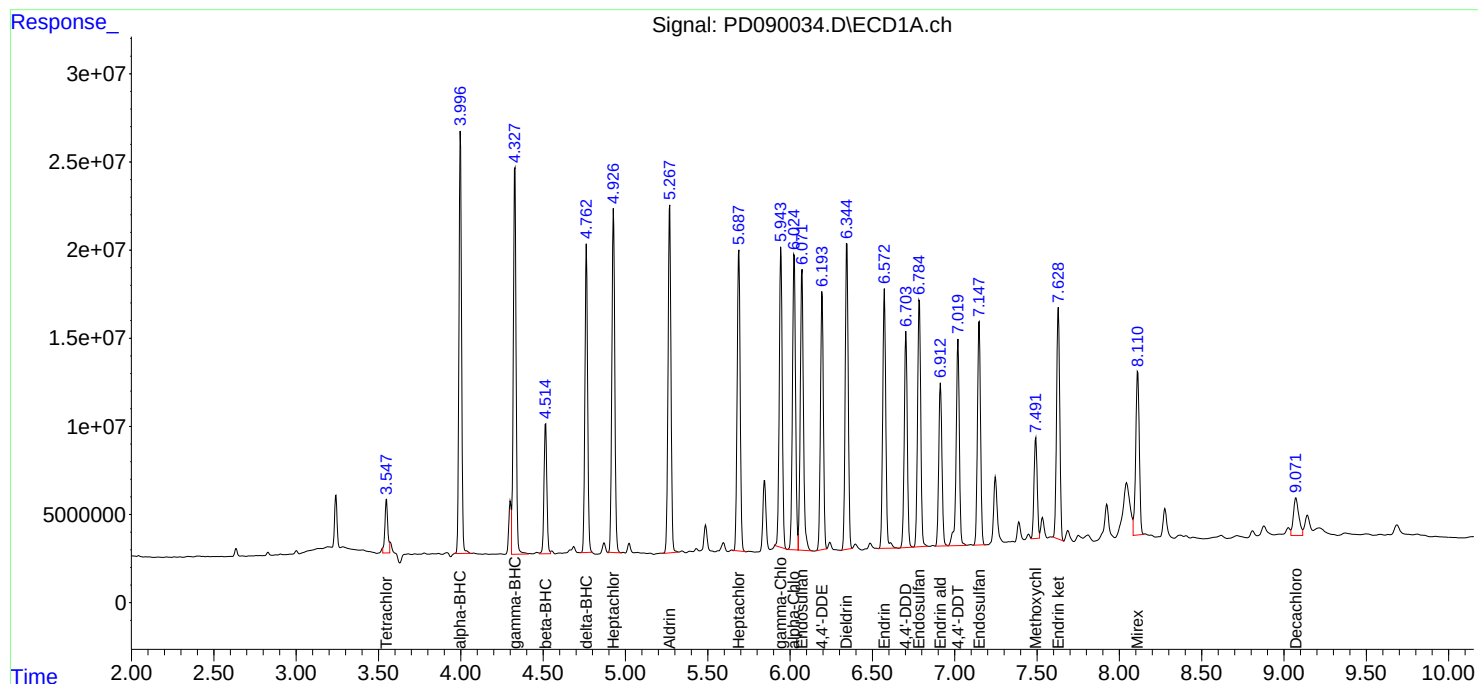
Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

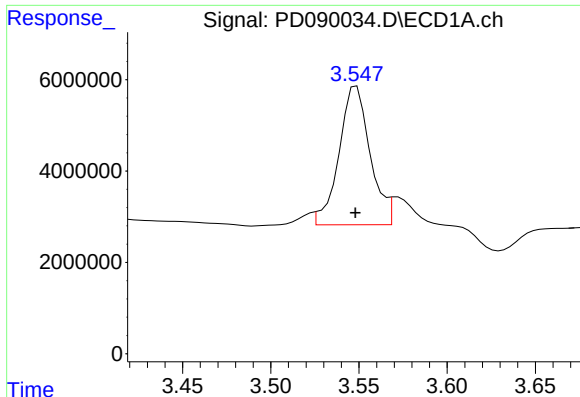
Manual Integrations
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 27 04:59:55 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
Response via : Initial Calibration
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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





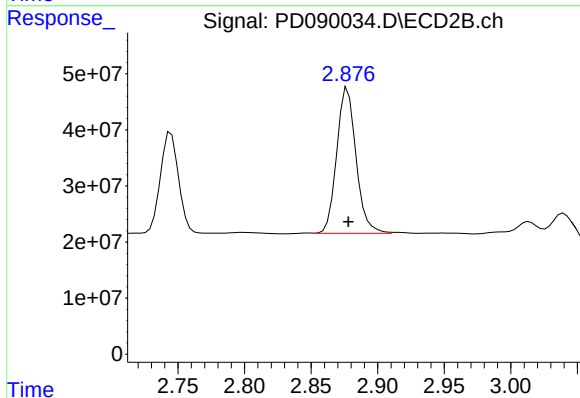
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 36375036
Conc: 12.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

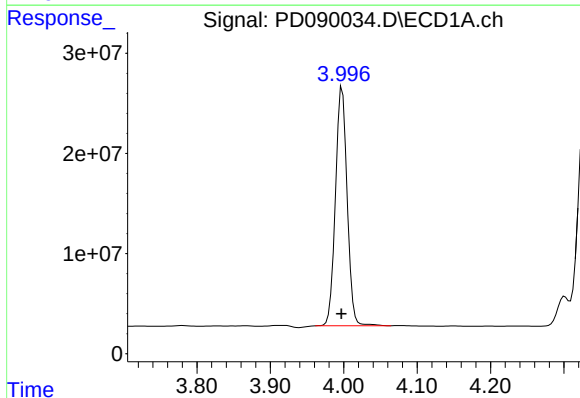
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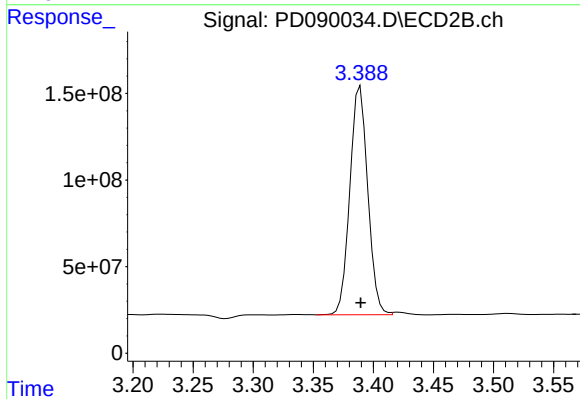
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 262905538
Conc: 11.92 ng/ml m



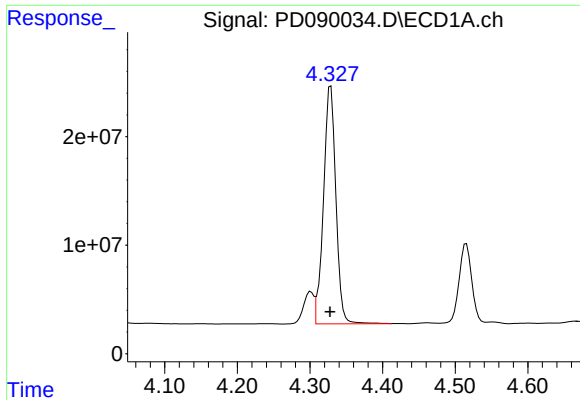
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 264582082
Conc: 44.08 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1374838683
Conc: 40.51 ng/ml m



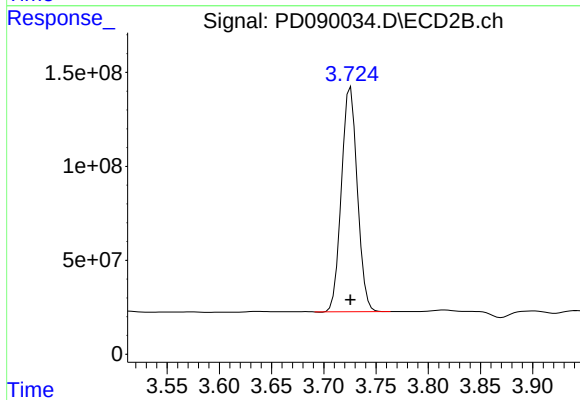
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 260330319
Conc: 45.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

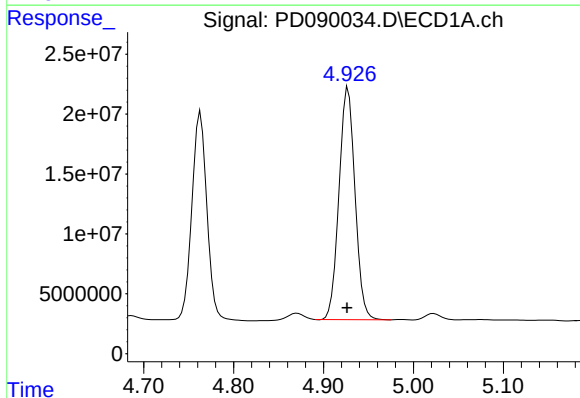
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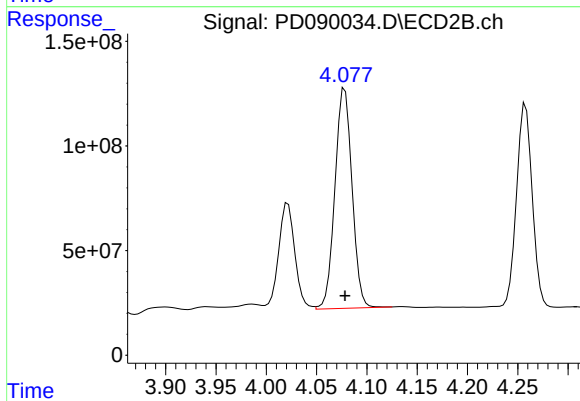
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1265359320
Conc: 40.59 ng/ml



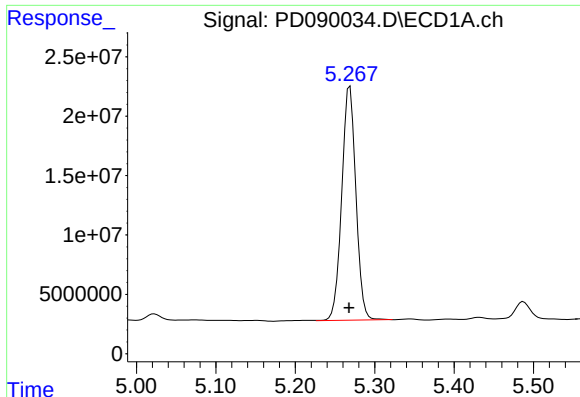
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.001 min
Response: 239949290
Conc: 42.78 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1244354983
Conc: 39.89 ng/ml



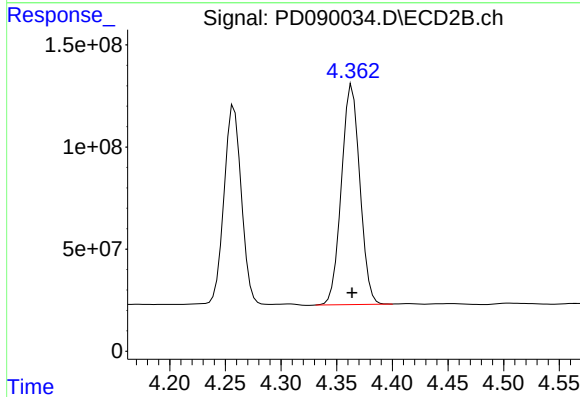
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.001 min
Response: 244435623
Conc: 45.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

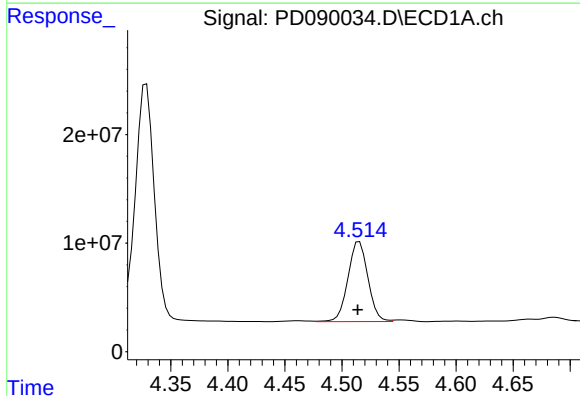
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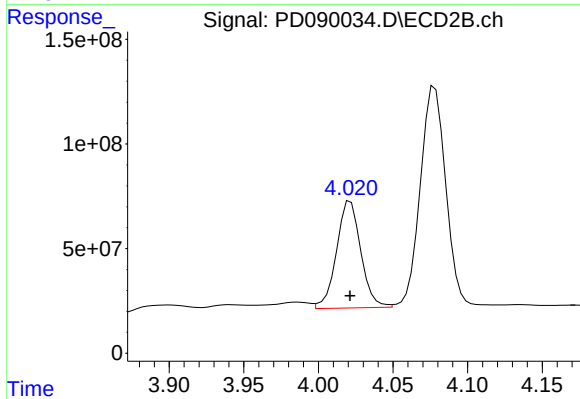
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1242531438
Conc: 40.80 ng/ml



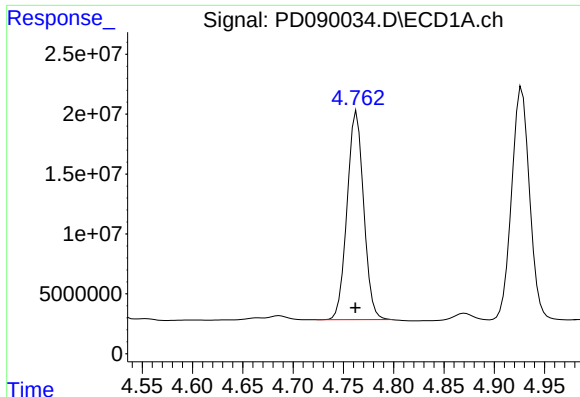
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 89821353
Conc: 40.04 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 579540569
Conc: 43.48 ng/ml



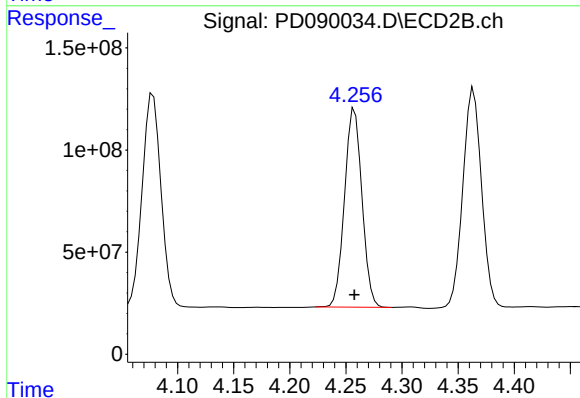
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 199025472
Conc: 38.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

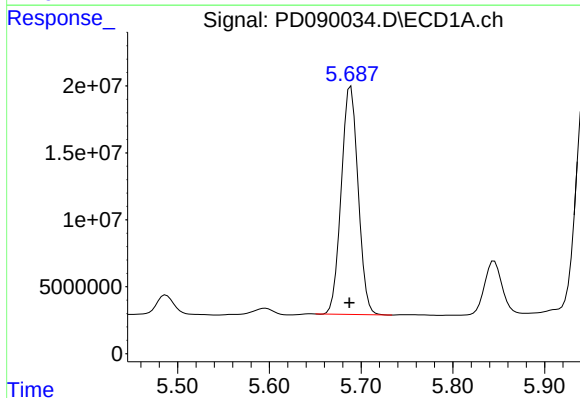
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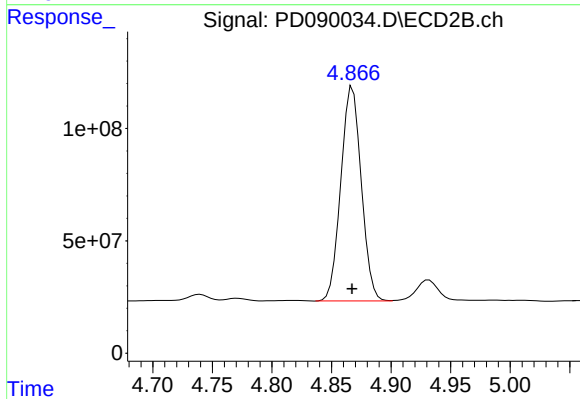
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1051414777
Conc: 33.33 ng/ml



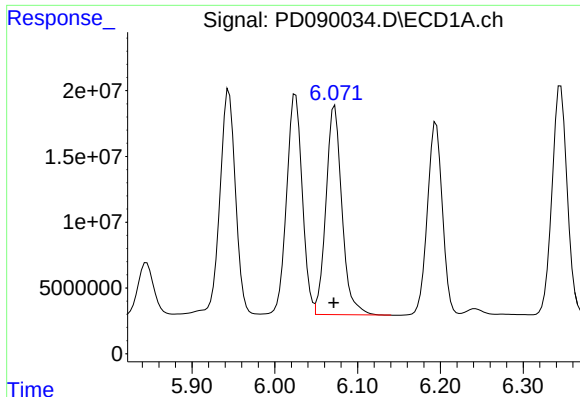
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 217147584
Conc: 44.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1139679527
Conc: 41.15 ng/ml



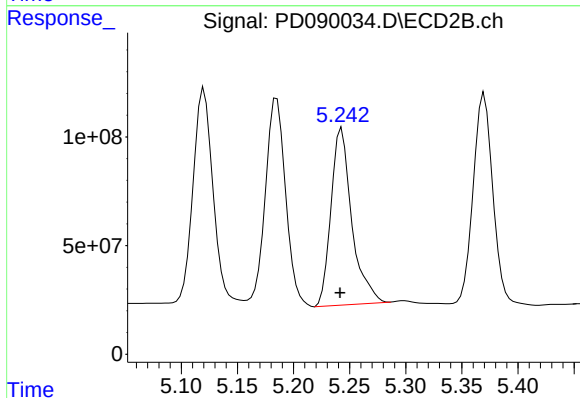
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.001 min
Response: 212814236
Conc: 46.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

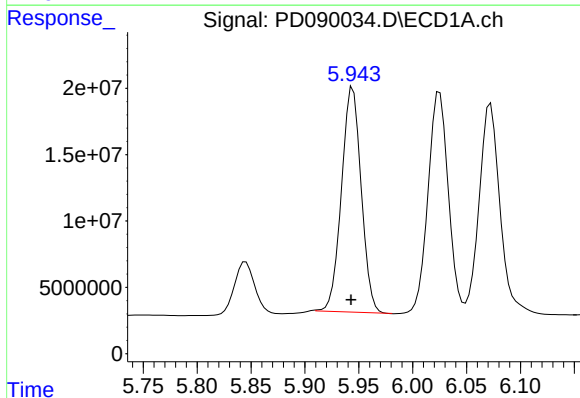
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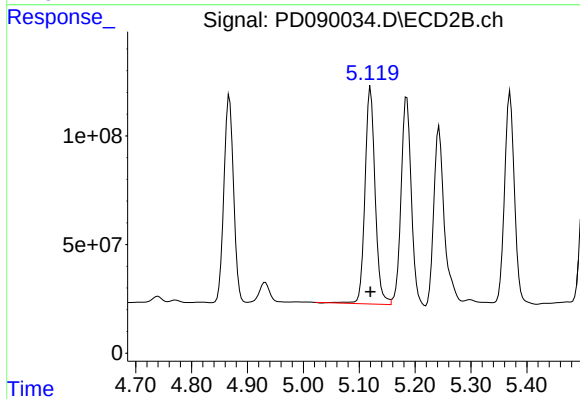
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 1050436119
Conc: 40.06 ng/ml



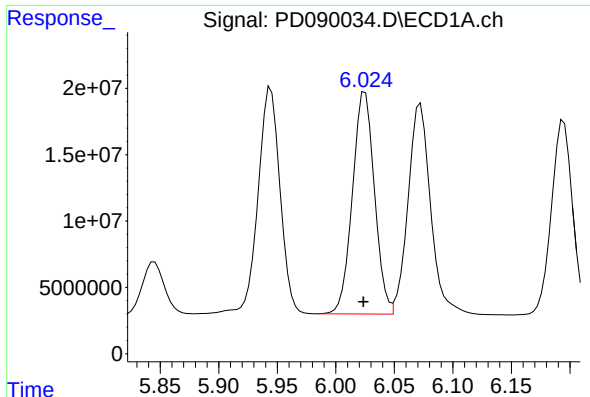
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.000 min
Response: 215617799
Conc: 44.08 ng/ml m



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1259349667
Conc: 42.53 ng/ml



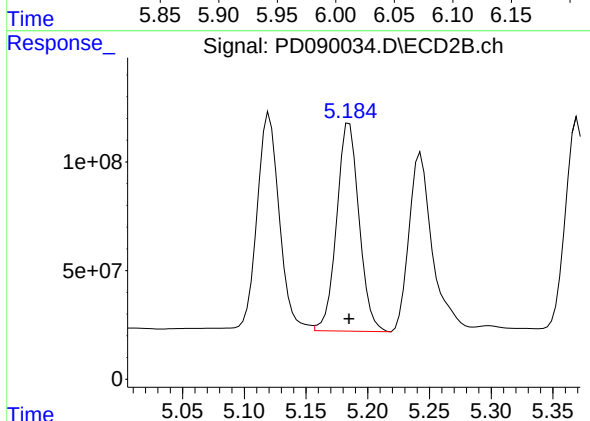
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.001 min
Response: 219289960
Conc: 44.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
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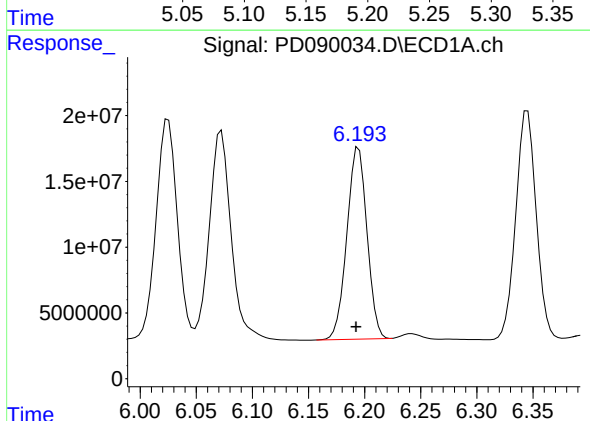
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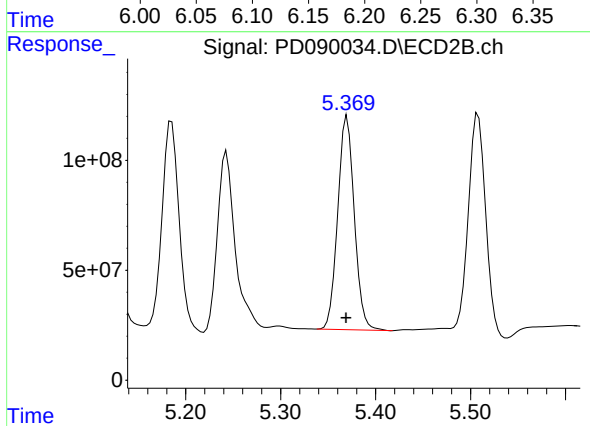
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1210333914
Conc: 42.41 ng/ml



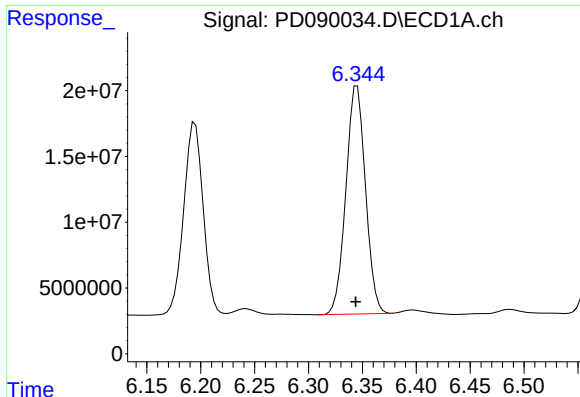
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 181890719
Conc: 41.45 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1181926186
Conc: 41.01 ng/ml



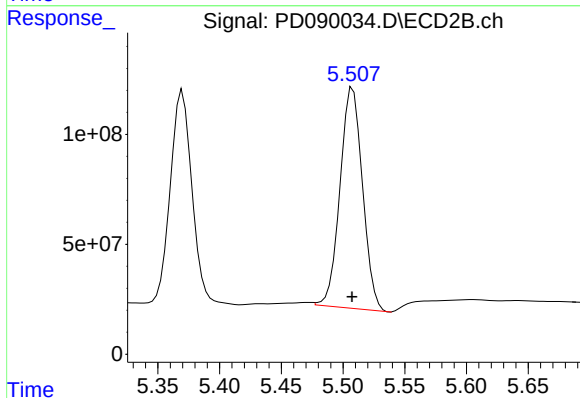
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 219321169
Conc: 44.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
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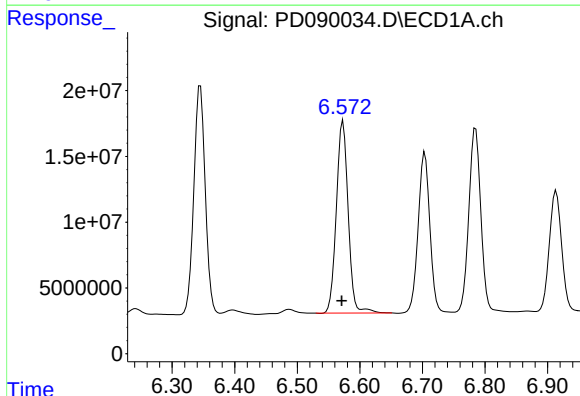
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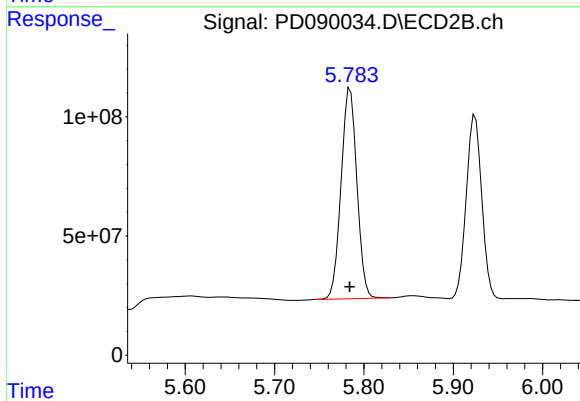
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1275514878
Conc: 43.55 ng/ml



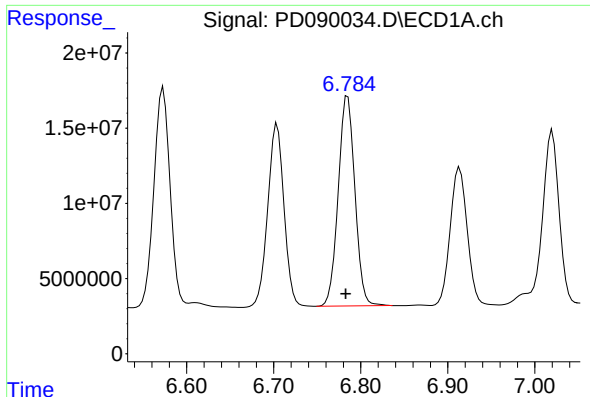
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 192736376
Conc: 46.51 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1085681936
Conc: 40.77 ng/ml



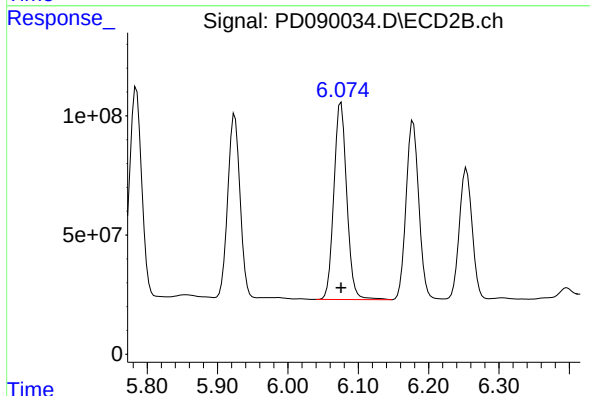
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 186025234
Conc: 44.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

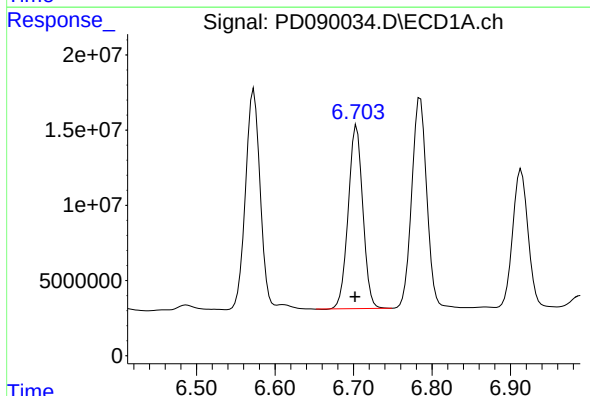
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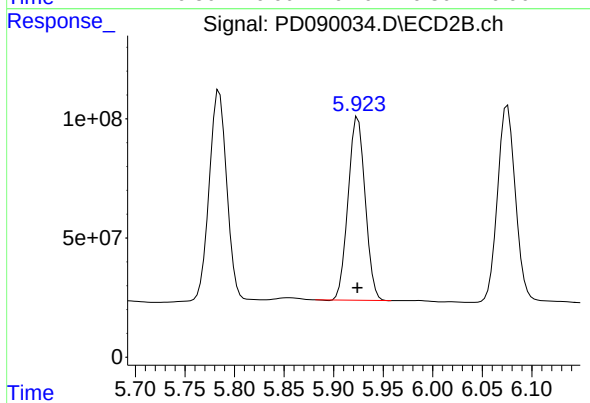
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1054595151
Conc: 41.69 ng/ml



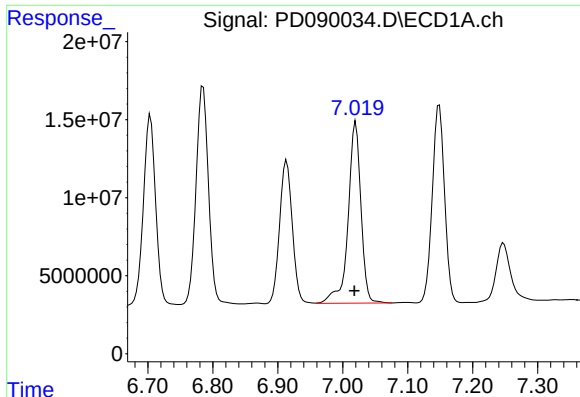
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 157638452
Conc: 45.57 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 923017540
Conc: 38.39 ng/ml



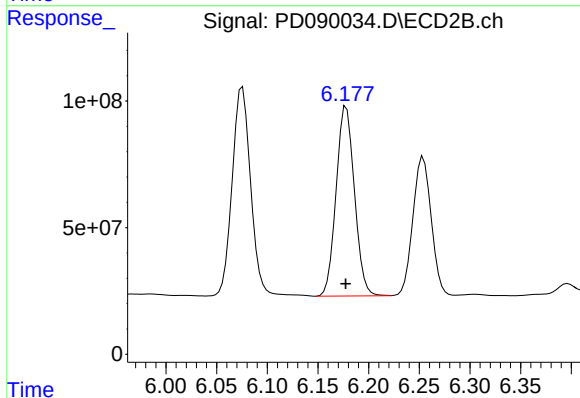
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 160070041
Conc: 42.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

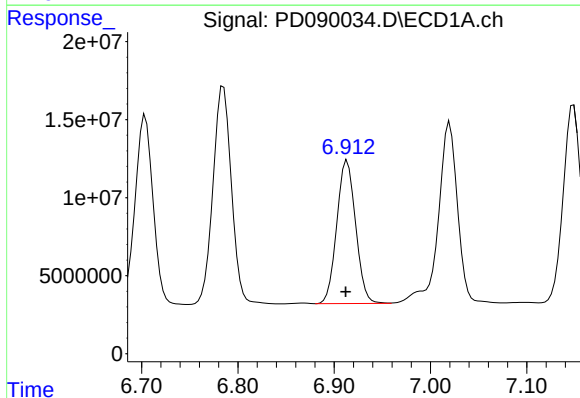
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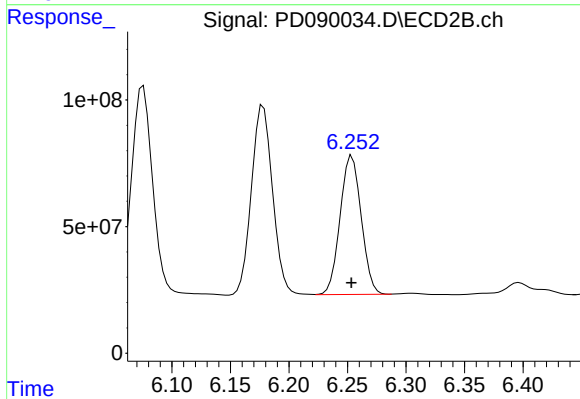
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 943539669
Conc: 37.64 ng/ml



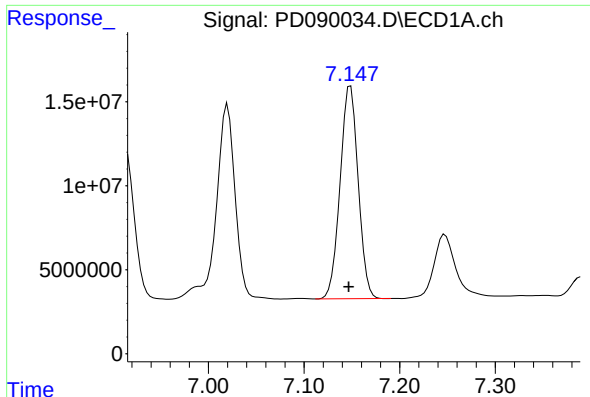
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 124687777
Conc: 43.49 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 688478880
Conc: 39.98 ng/ml



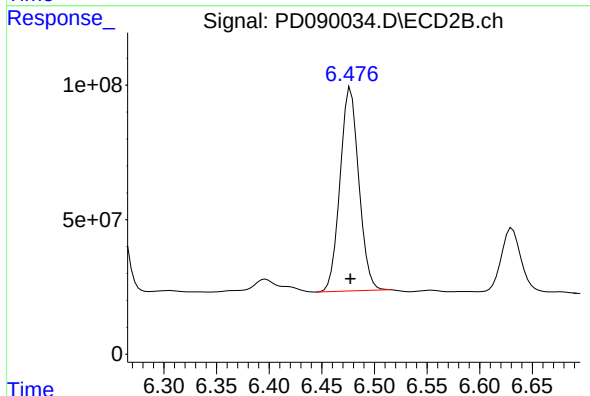
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 166578669
Conc: 42.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

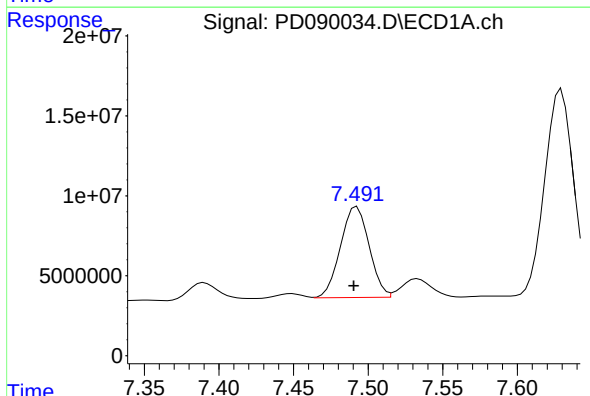
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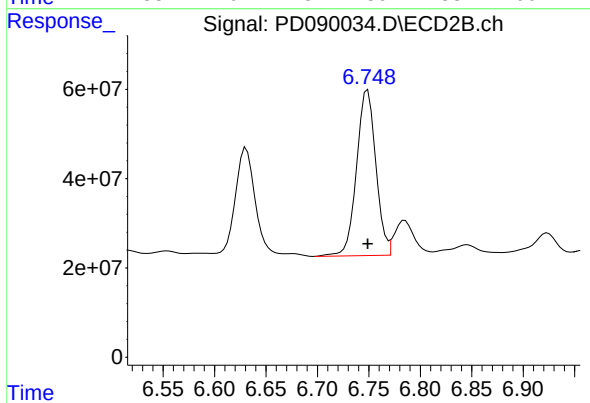
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 940492162
Conc: 38.58 ng/ml



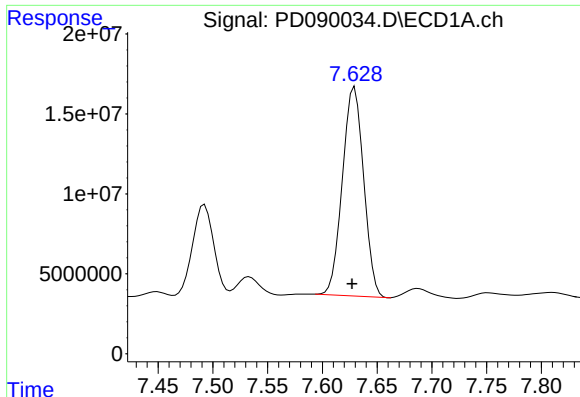
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.000 min
Response: 75905880
Conc: 37.85 ng/ml m



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 484540245
Conc: 37.57 ng/ml



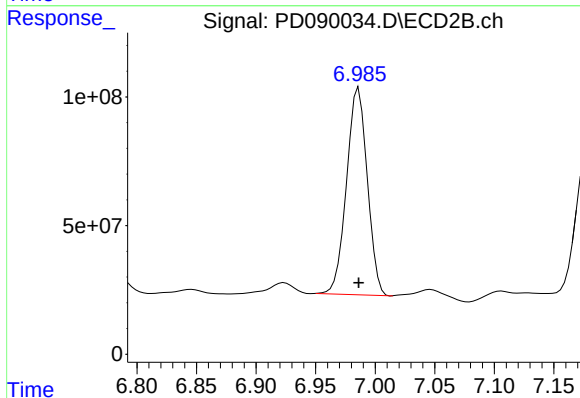
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.002 min
Response: 176884707
Conc: 42.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

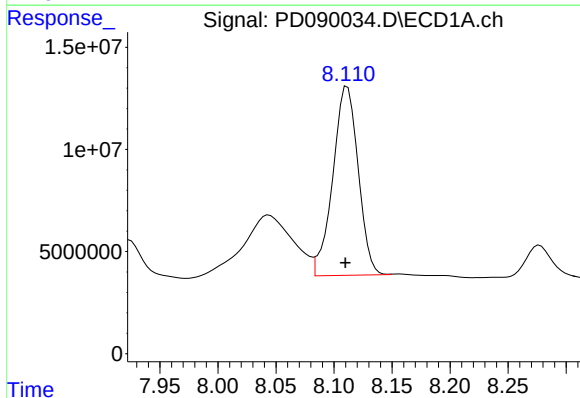
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



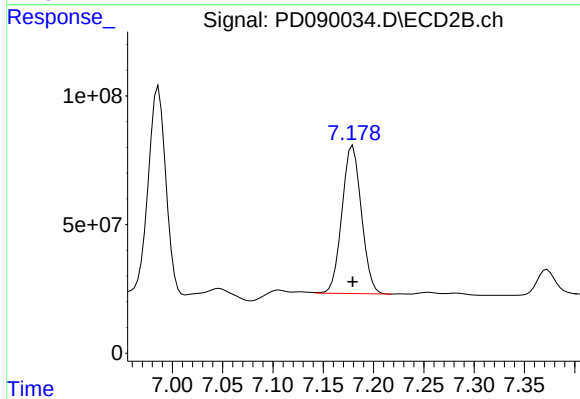
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 976657386
Conc: 36.66 ng/ml



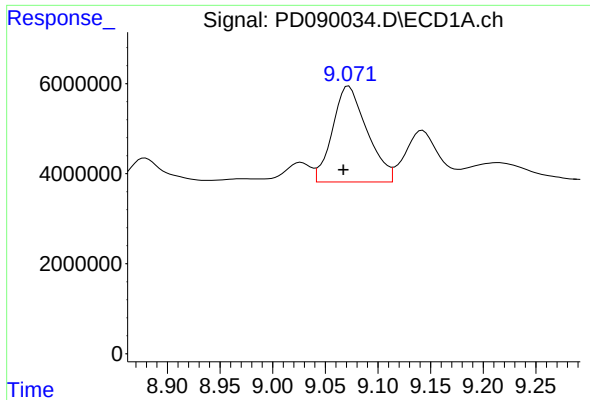
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 140267604
Conc: 44.47 ng/ml m



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 770340233
Conc: 37.29 ng/ml m



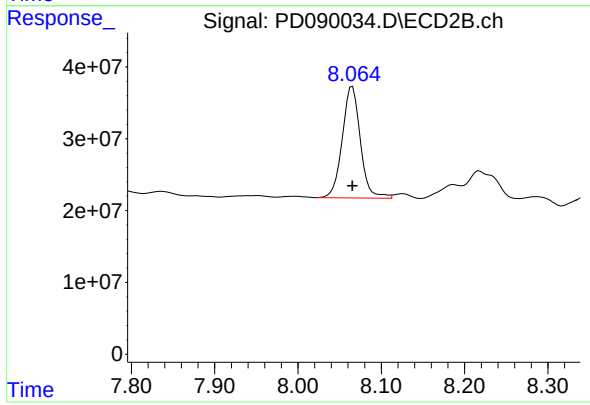
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 48752210
Conc: 11.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOIL-COMP(1-2)MSD

Manual Integrations
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 233848004
Conc: 9.03 ng/ml