

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
 Data File : PL095784.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 May 2025 10:16
 Operator : AR\AJ
 Sample : Q1872-20
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 HW0425-PT-PEST-SOIL

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/28/2025
 Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 27 13:26:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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 x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.572	2.882	56162236	66152765	17.800m	16.902
28) SA Decachlor...	9.099	8.058	48115539	94432999	20.420	21.587
Target Compounds						
2) A alpha-BHC	4.025	3.393	742.7E6	885.0E6	153.196	151.088
3) MA gamma-BHC...	4.357	3.727	1930.5E6	2314.5E6	431.702	413.207
4) MA Heptachlor	4.955	4.080	2684.6E6	3512.8E6	709.267	626.280
5) MB Aldrin	5.297	4.364	965.6E6	1194.7E6	225.720	225.119
6) B beta-BHC	4.544	4.022	1882.2E6	2241.7E6	954.787	904.794
7) B delta-BHC	4.792	4.258	1970.4E6	2399.7E6	444.420	424.922
8) B Heptachlo...	5.718	4.867	1942.3E6	2361.0E6	508.866	478.174
9) A Endosulfan I	6.101	5.239	3078.9E6	3647.0E6	840.131	765.374
10) B gamma-Chl...	5.973	5.119	3214.2E6	3939.5E6	825.823	749.997
11) B alpha-Chl...	6.053	5.184	2372.1E6	2916.1E6	600.816	560.493
12) B 4,4'-DDE	6.224	5.370	2708.8E6	3513.3E6	738.521	655.207
13) MA Dieldrin	6.375	5.504	3136.5E6	3804.1E6	812.727	717.736
14) MA Endrin	6.602	5.779	1589.1E6	2130.7E6	492.471	436.964
15) B Endosulfa...	6.814	6.069	1473.9E6	1986.1E6	427.709	417.965
16) A 4,4'-DDD	6.734	5.921	1856.5E6	2645.4E6	633.472	603.287m
17) MA 4,4'-DDT	7.049	6.176	898.8E6	1456.8E6	332.241	304.603
18) B Endrin al...	6.944	6.247	731.6E6	1044.8E6	302.597	302.465
19) B Endosulfa...	7.177	6.471	688.7E6	996.8E6	230.587	221.781
20) A Methoxychlor	7.522	6.746	390.8E6	690.1E6	306.412	263.777
21) B Endrin ke...	7.658	6.976	2133.9E6	3074.6E6	673.803	594.261

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL052725\
Data File : PL095784.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 May 2025 10:16
Operator : AR\AJ
Sample : Q1872-20
Misc :
ALS Vial : 7 Sample Multiplier: 1

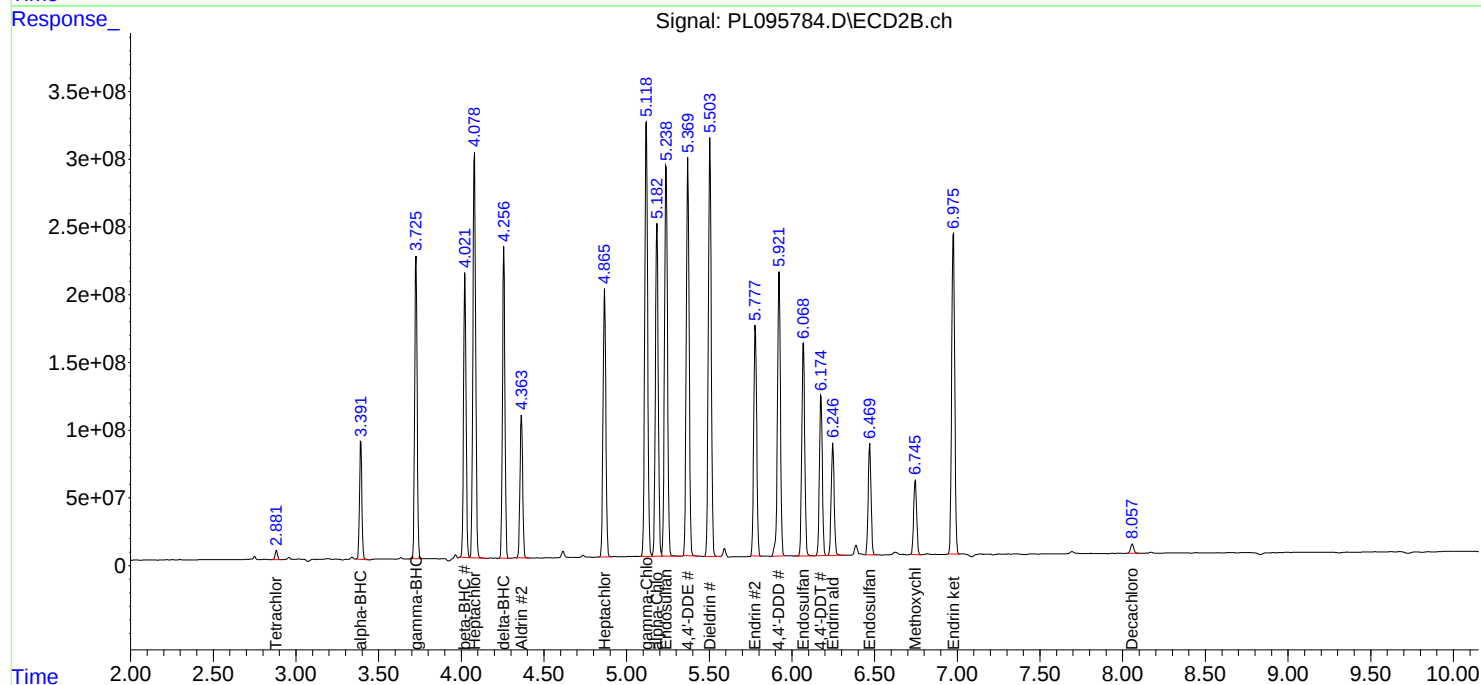
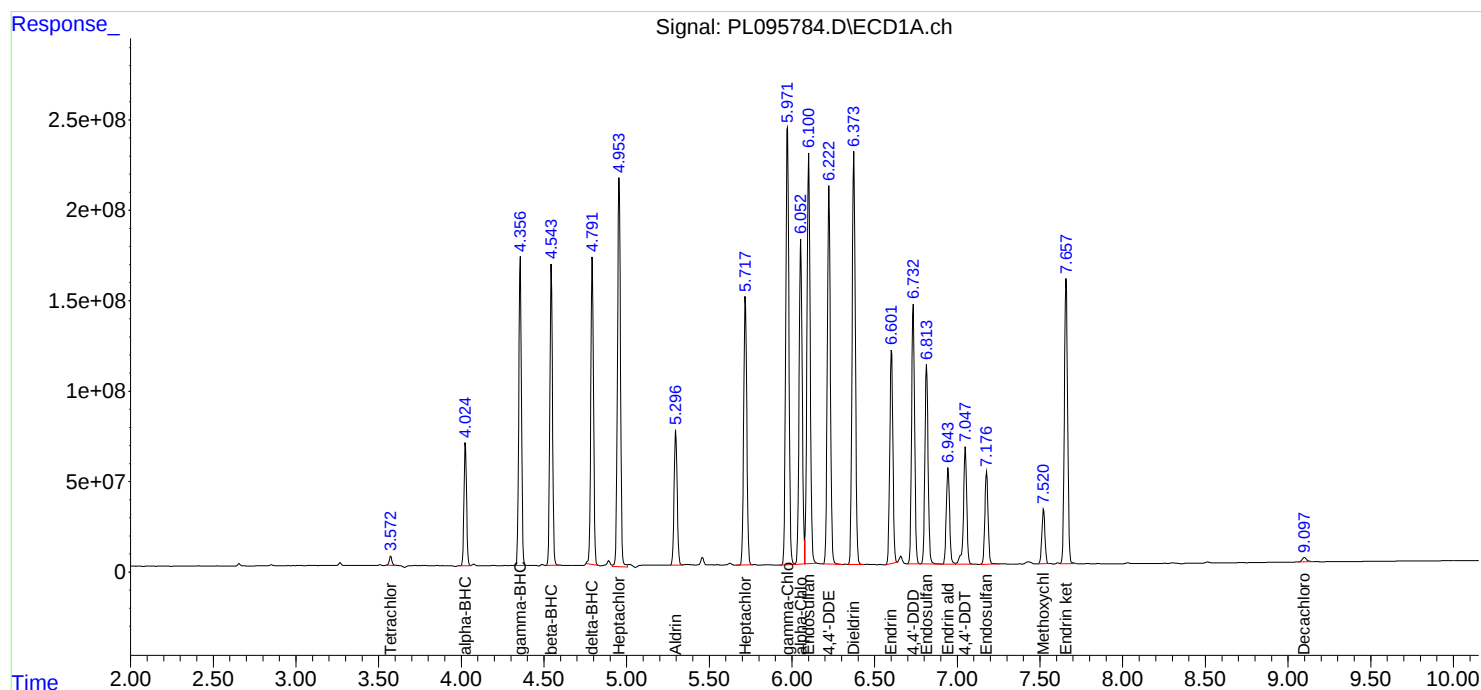
Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

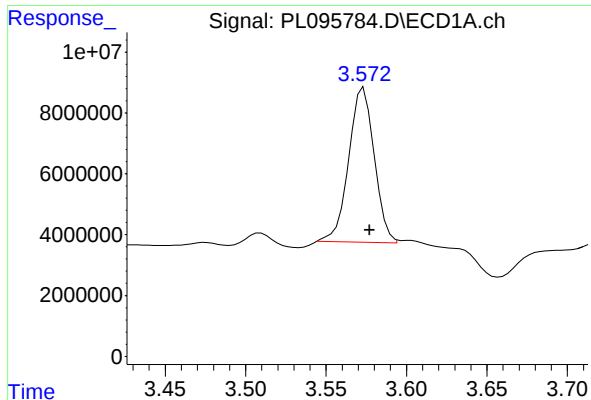
Manual Integrations
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Supervised By :mohammad ahmed 05/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 27 13:26:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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 x0.25µm





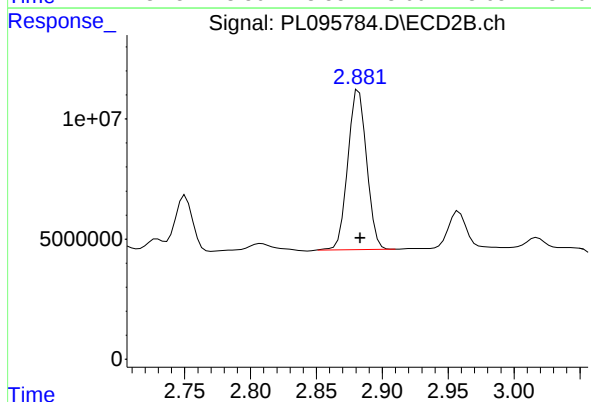
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 56162236
Conc: 17.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

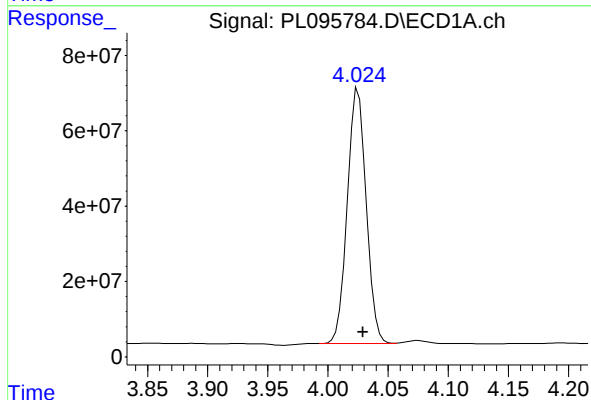
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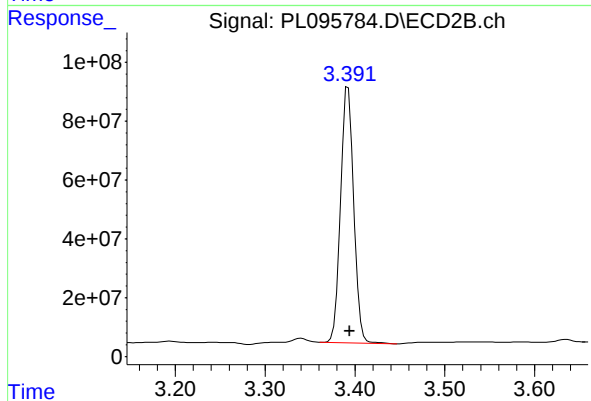
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.001 min
Response: 66152765
Conc: 16.90 ng/ml



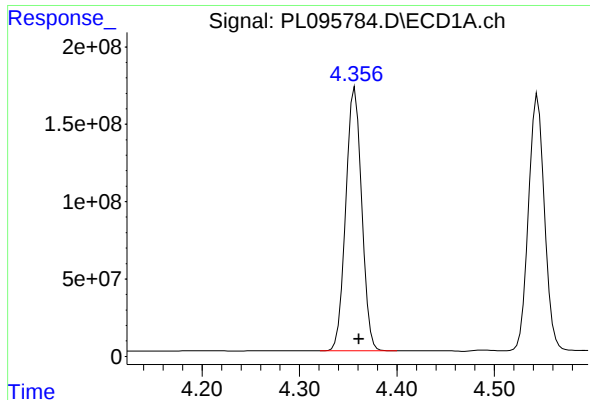
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 742685311
Conc: 153.20 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: -0.001 min
Response: 884972445
Conc: 151.09 ng/ml



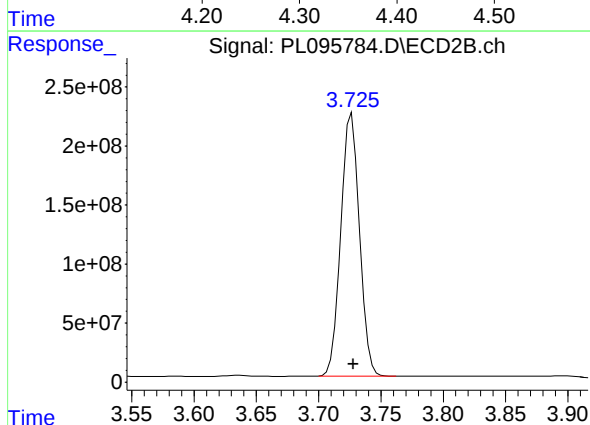
#3 gamma-BHC (Lindane)

R.T.: 4.357 min
Delta R.T.: -0.004 min
Response: 1930507549
Conc: 431.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

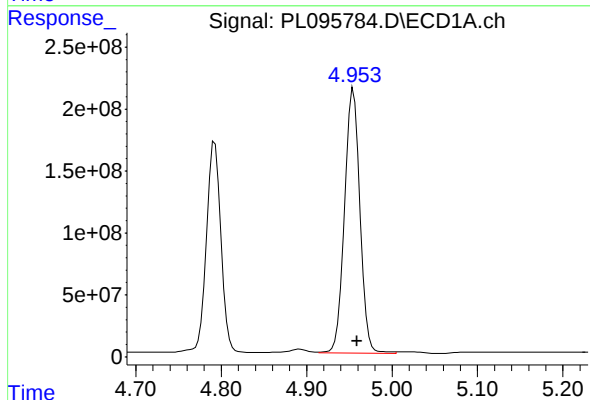
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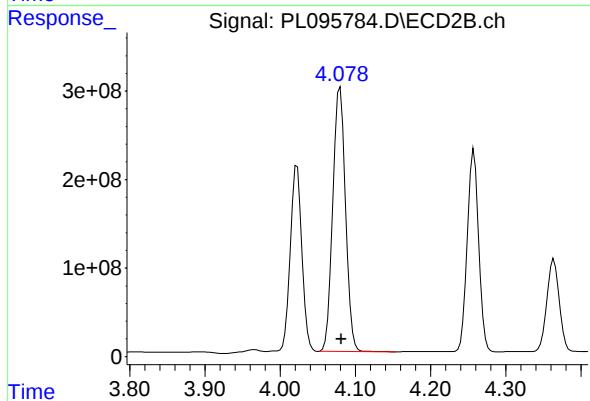
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.001 min
Response: 2314466635
Conc: 413.21 ng/ml



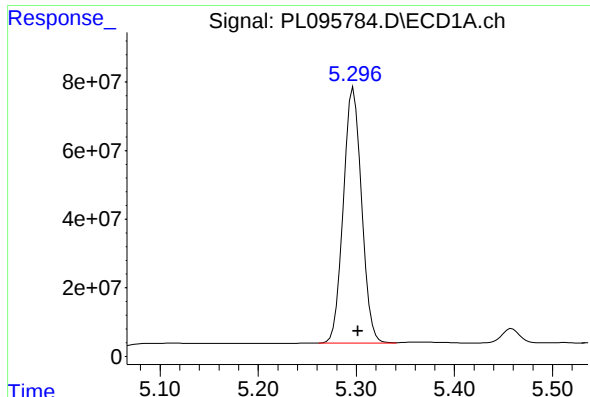
#4 Heptachlor

R.T.: 4.955 min
Delta R.T.: -0.004 min
Response: 2684604209
Conc: 709.27 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: -0.002 min
Response: 3512838573
Conc: 626.28 ng/ml



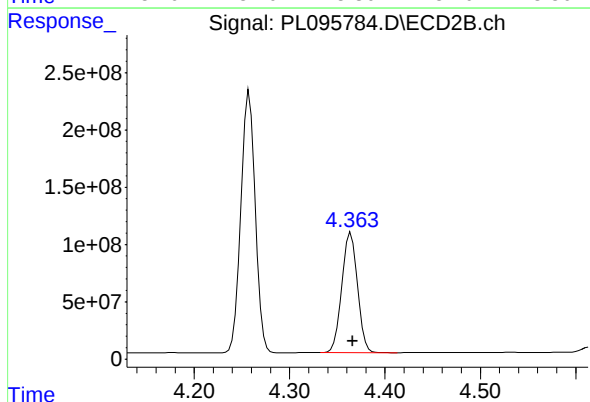
#5 Aldrin

R.T.: 5.297 min
Delta R.T.: -0.005 min
Response: 965570674
Conc: 225.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

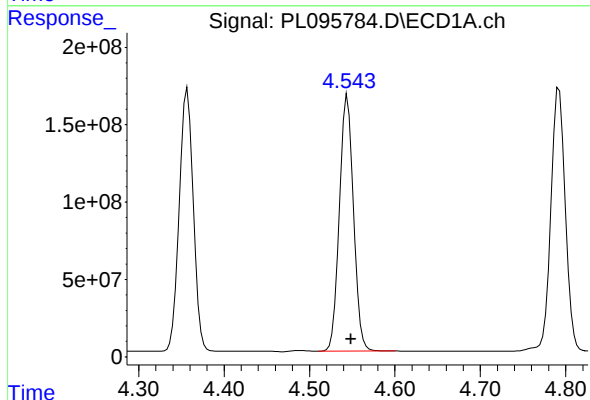
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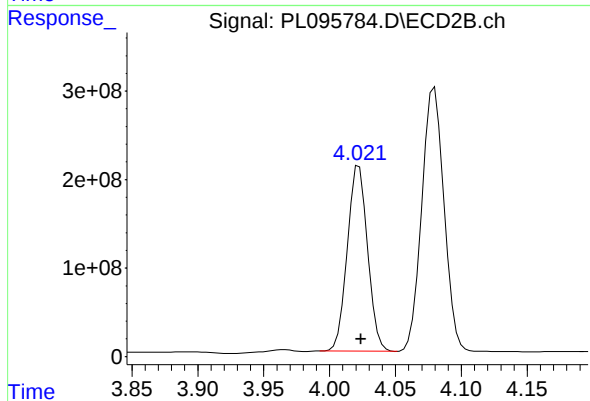
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.002 min
Response: 1194731484
Conc: 225.12 ng/ml



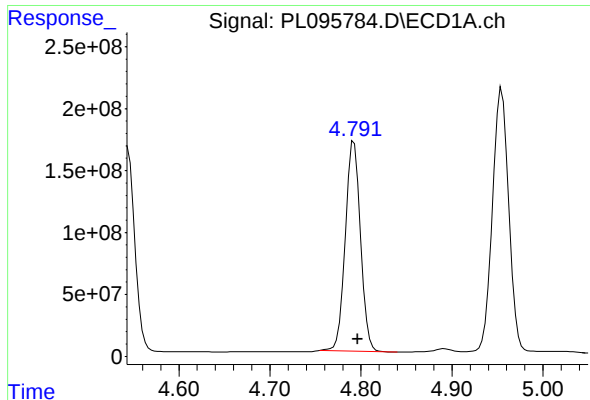
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.004 min
Response: 1882234978
Conc: 954.79 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: -0.002 min
Response: 2241674096
Conc: 904.79 ng/ml



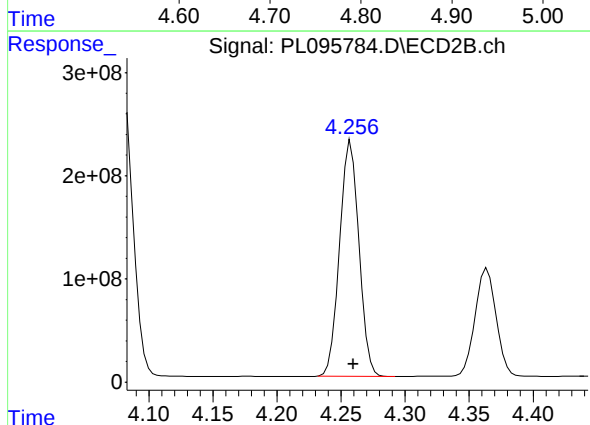
#7 delta-BHC

R.T.: 4.792 min
Delta R.T.: -0.004 min
Response: 1970386976
Conc: 444.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

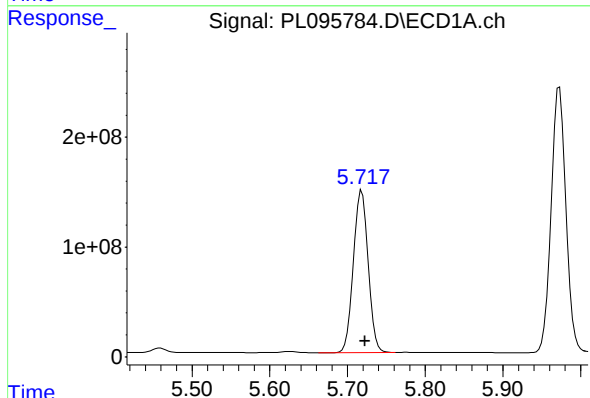
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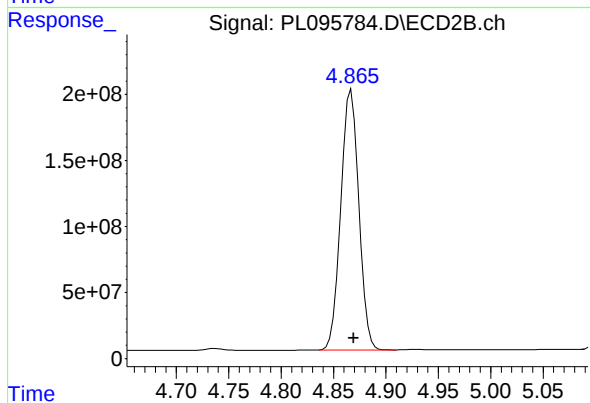
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: -0.002 min
Response: 2399688713
Conc: 424.92 ng/ml



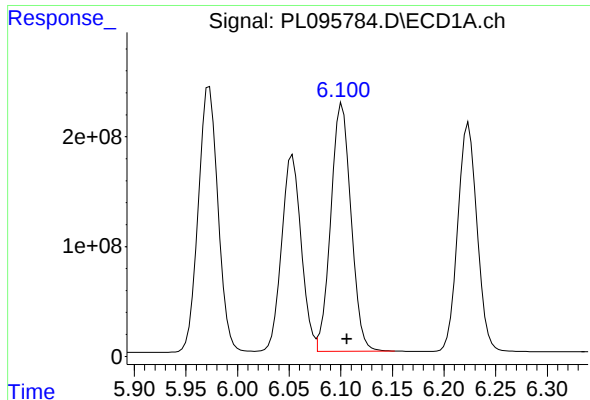
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 1942272523
Conc: 508.87 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.002 min
Response: 2360951035
Conc: 478.17 ng/ml



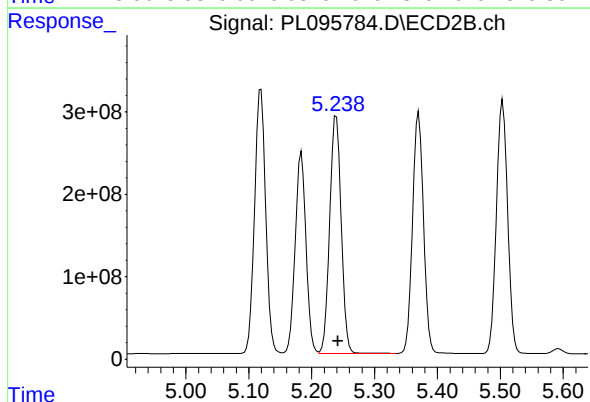
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 3078938811
Conc: 840.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

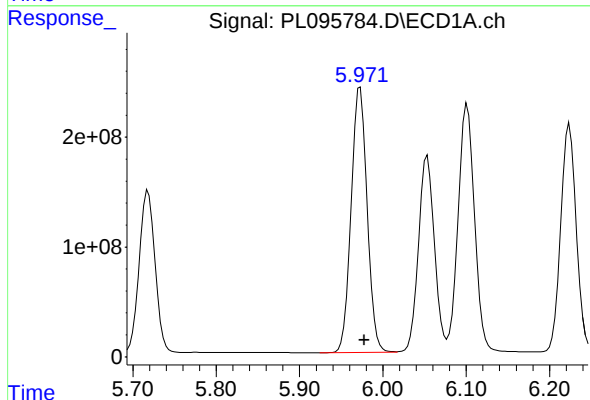
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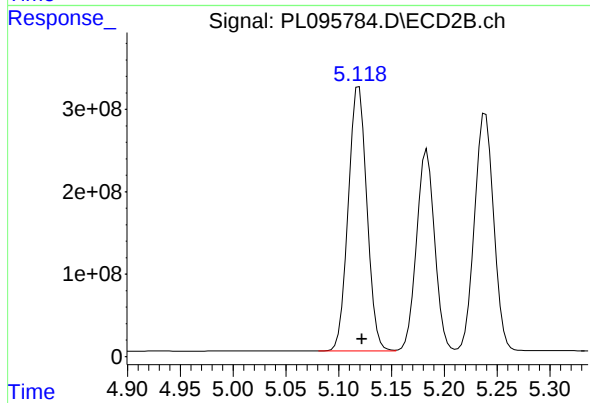
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.003 min
Response: 3646986183
Conc: 765.37 ng/ml



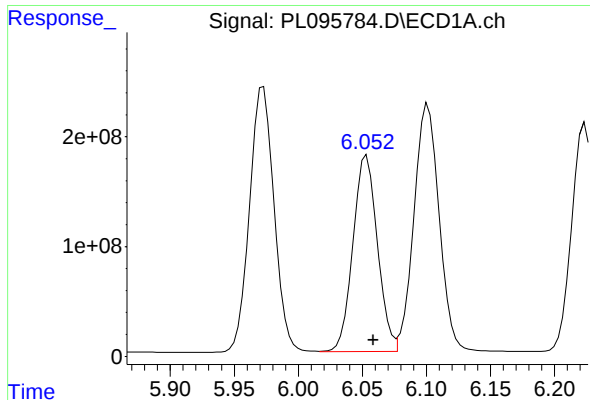
#10 gamma-Chlordane

R.T.: 5.973 min
Delta R.T.: -0.005 min
Response: 3214178998
Conc: 825.82 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 3939501308
Conc: 750.00 ng/ml



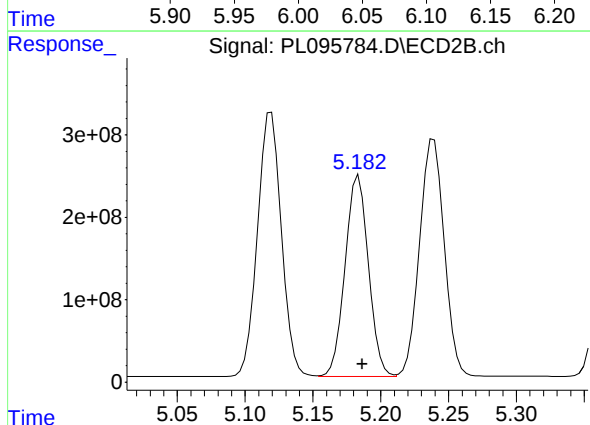
#11 alpha-Chlordane

R.T.: 6.053 min
Delta R.T.: -0.005 min
Response: 2372124563
Conc: 600.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

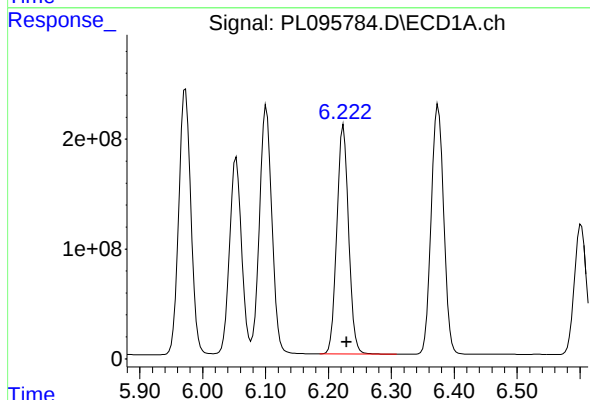
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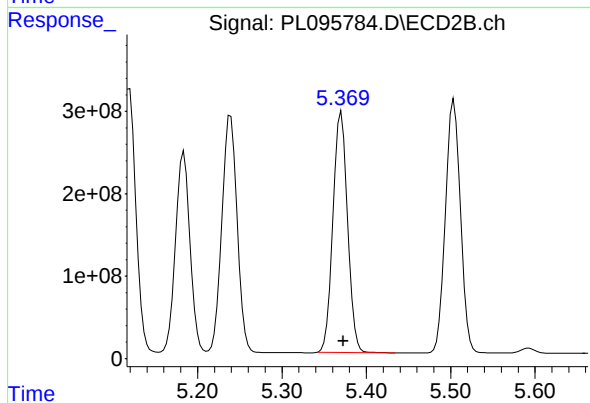
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.003 min
Response: 2916112538
Conc: 560.49 ng/ml



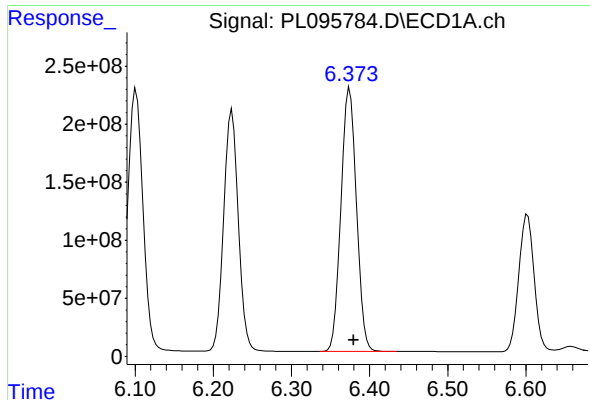
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 2708820480
Conc: 738.52 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.003 min
Response: 3513324456
Conc: 655.21 ng/ml



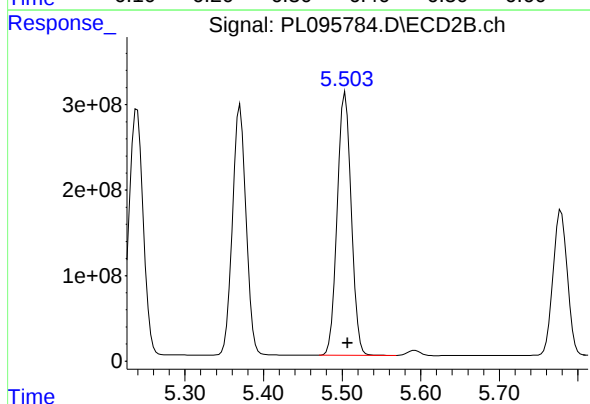
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.005 min
Response: 3136460460
Conc: 812.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
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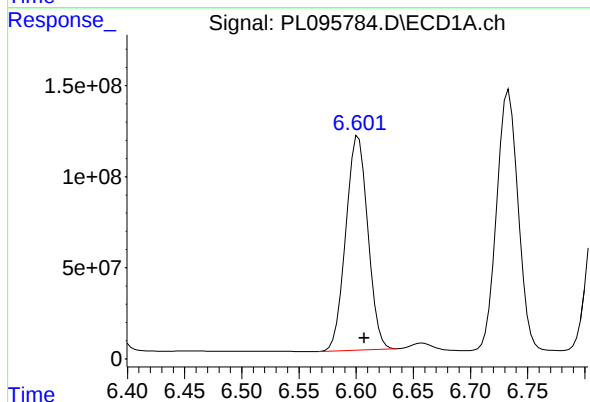
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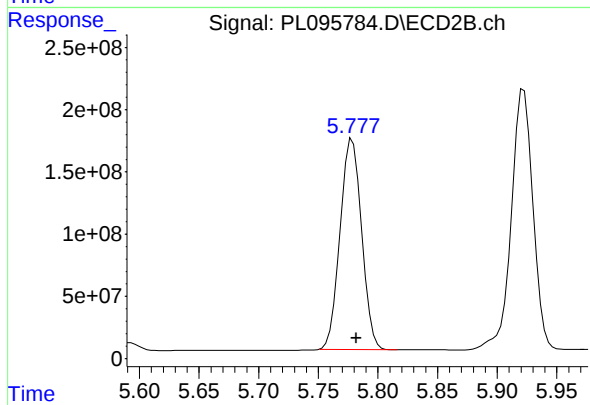
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.003 min
Response: 3804083712
Conc: 717.74 ng/ml



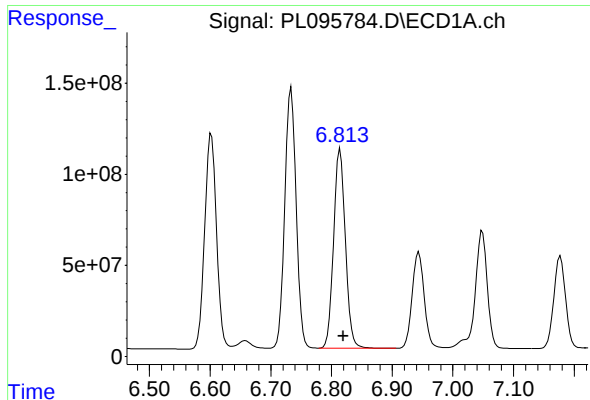
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 1589084002
Conc: 492.47 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 2130680940
Conc: 436.96 ng/ml



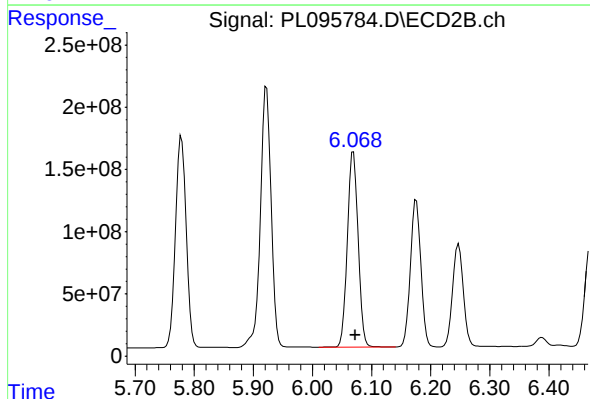
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.006 min
Response: 1473905607
Conc: 427.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

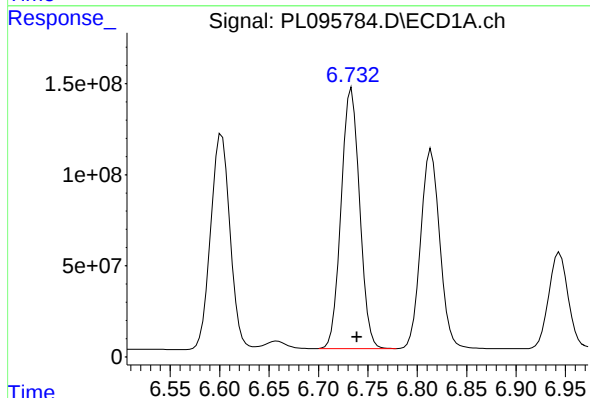
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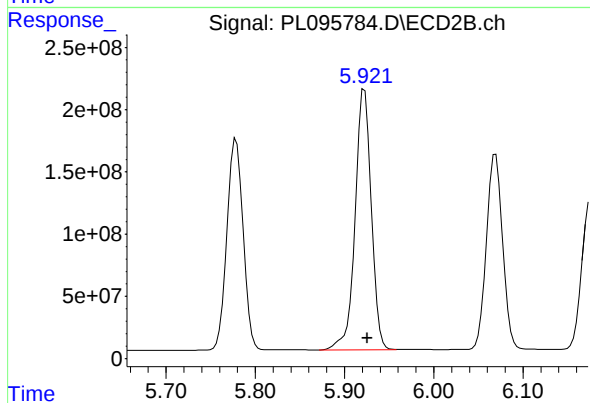
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 1986076134
Conc: 417.96 ng/ml



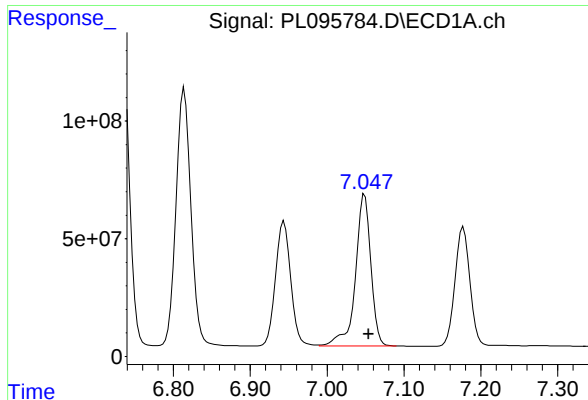
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 1856456897
Conc: 633.47 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.005 min
Response: 2645371967
Conc: 603.29 ng/ml m



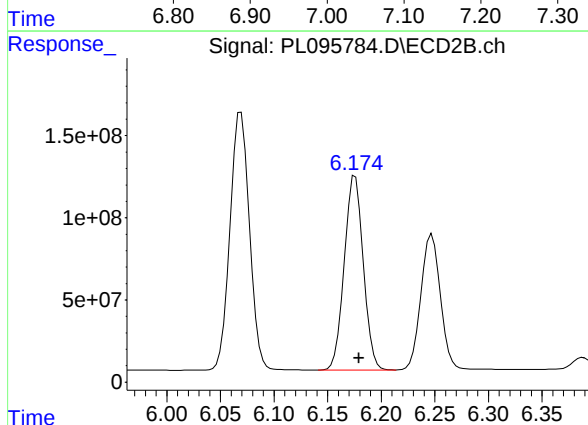
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 898758146
Conc: 332.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

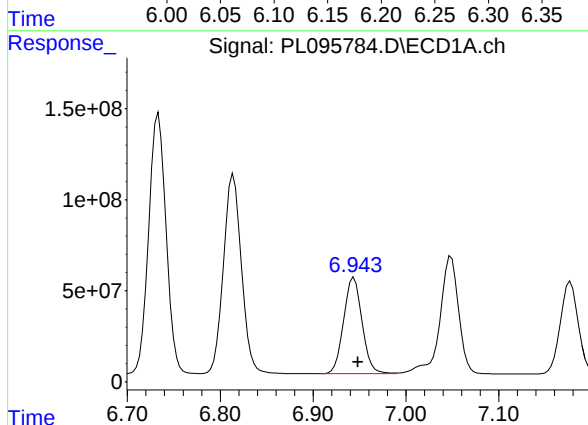
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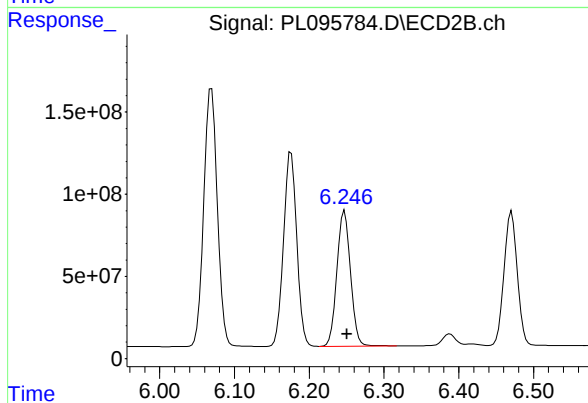
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 1456794018
Conc: 304.60 ng/ml



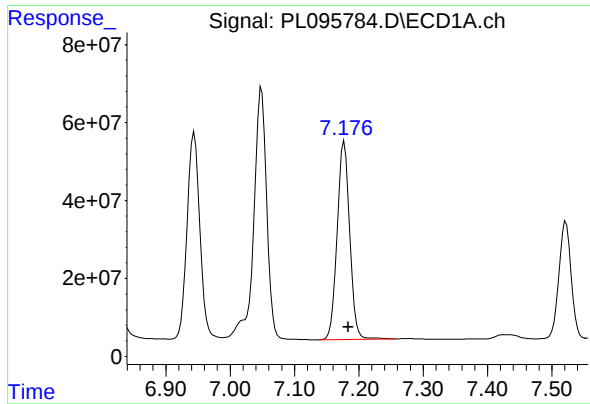
#18 Endrin aldehyde

R.T.: 6.944 min
Delta R.T.: -0.005 min
Response: 731565355
Conc: 302.60 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 1044801228
Conc: 302.46 ng/ml



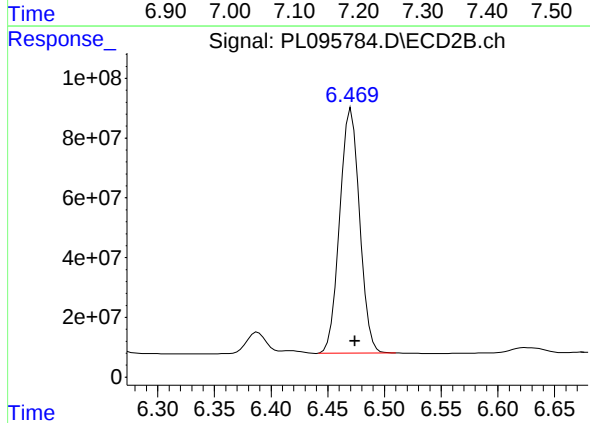
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: -0.006 min
Response: 688746540
Conc: 230.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
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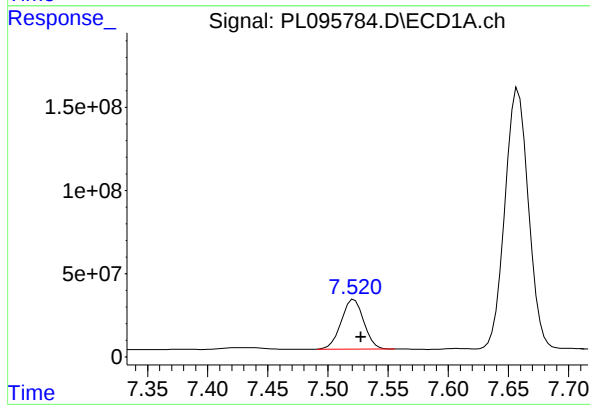
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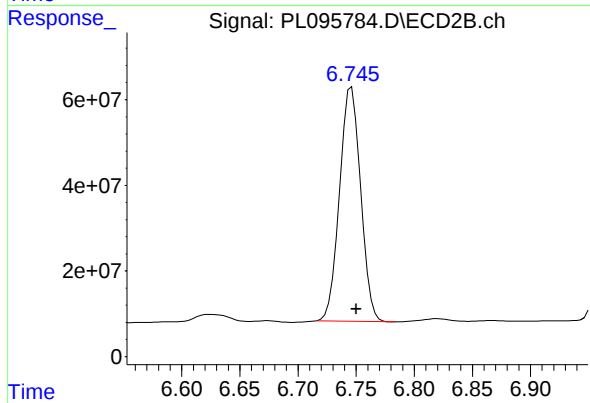
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 996849730
Conc: 221.78 ng/ml



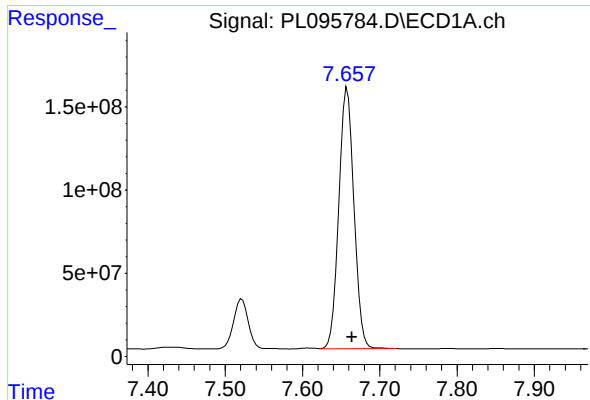
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: -0.006 min
Response: 390775248
Conc: 306.41 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 690069820
Conc: 263.78 ng/ml



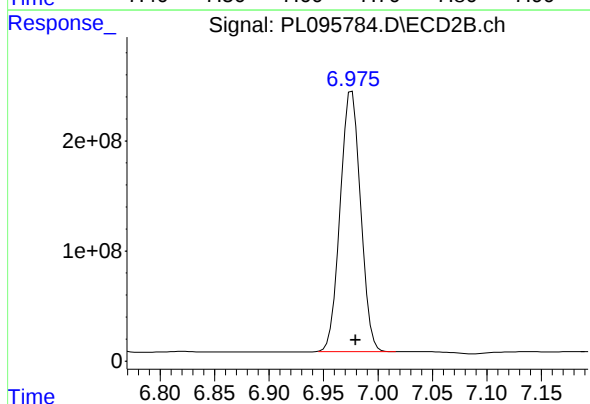
#21 Endrin ketone

R.T.: 7.658 min
Delta R.T.: -0.006 min
Response: 2133874264
Conc: 673.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
HW0425-PT-PEST-SOIL

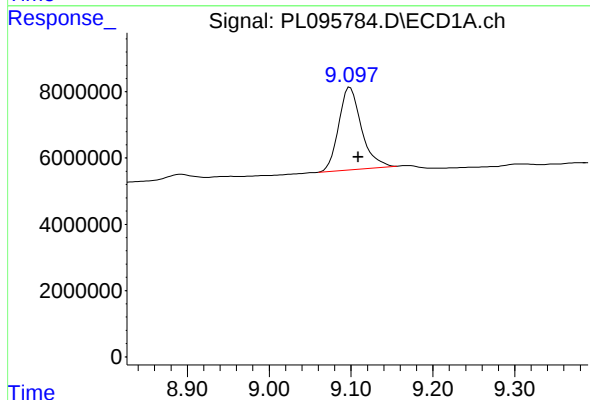
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/28/2025
Supervised By :mohammad ahmed 05/30/2025



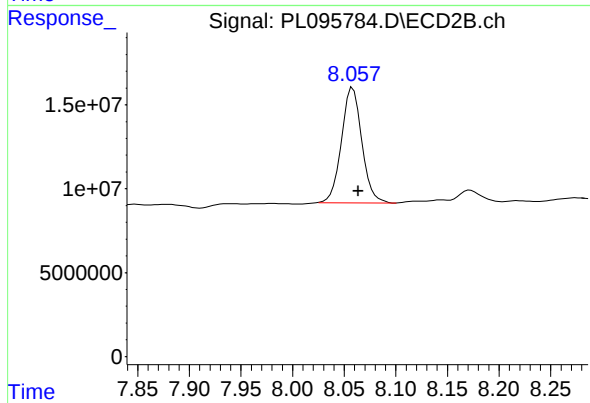
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 3074628661
Conc: 594.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.099 min
Delta R.T.: -0.010 min
Response: 48115539
Conc: 20.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.005 min
Response: 94432999
Conc: 21.59 ng/ml