

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
 Data File : PL096463.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jul 2025 14:07
 Operator : AR\AJ
 Sample : Q2592-02MSD
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 WC-SOIL-20250711MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/21/2025
 Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 18 23:25:17 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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...	3.537	2.828	69757783	112.8E6	19.117	19.538
28)	SA Decachlor...	9.018	7.993	51790159	90345628	18.411	18.118
Target Compounds							
2)	A alpha-BHC	3.982	3.334	259.4E6	453.0E6	50.445m	53.711
3)	MA gamma-BHC...	4.312	3.666	252.1E6	426.0E6	50.626	54.095
4)	MA Heptachlor	4.903	4.015	228.2E6	387.6E6	49.803m	50.944
5)	MB Aldrin	5.245	4.297	226.9E6	369.5E6	46.942	50.653m
6)	B beta-BHC	4.499	3.962	108.0E6	175.0E6	51.932	51.101
7)	B delta-BHC	4.744	4.195	248.4E6	419.5E6	55.423	54.473
8)	B Heptachlo...	5.664	4.800	221.0E6	347.7E6	53.253	52.007
9)	A Endosulfan I	6.046	5.171	198.8E6	320.3E6	49.249	44.640
10)	B gamma-Chl...	5.918	5.052	214.9E6	362.4E6	48.568	51.626
11)	B alpha-Chl...	5.998	5.116	213.3E6	356.6E6	48.705	47.413
12)	B 4,4'-DDE	6.168	5.305	178.0E6	334.8E6	48.005	51.795
13)	MA Dieldrin	6.318	5.436	207.7E6	353.5E6	49.117	51.837
14)	MA Endrin	6.544	5.710	164.7E6	314.9E6	52.939	51.653
15)	B Endosulfa...	6.757	6.002	182.1E6	303.2E6	52.468	51.705
16)	A 4,4'-DDD	6.677	5.857	147.1E6	277.2E6	50.533	54.041
17)	MA 4,4'-DDT	6.991	6.110	148.9E6	274.2E6	49.067	47.814
18)	B Endrin al...	6.886	6.180	130.0E6	227.5E6	58.173	51.069
19)	B Endosulfa...	7.119	6.404	154.3E6	290.8E6	50.434	51.697
20)	A Methoxychlor	7.463	6.682	77282780	144.0E6	49.056	47.402
21)	B Endrin ke...	7.599	6.907	161.2E6	308.4E6	48.823	49.321
22)	Mirex	8.078	7.098	129.4E6	235.8E6	46.500	47.470

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071825\
Data File : PL096463.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jul 2025 14:07
Operator : AR\AJ
Sample : Q2592-02MSD
Misc :
ALS Vial : 22 Sample Multiplier: 1

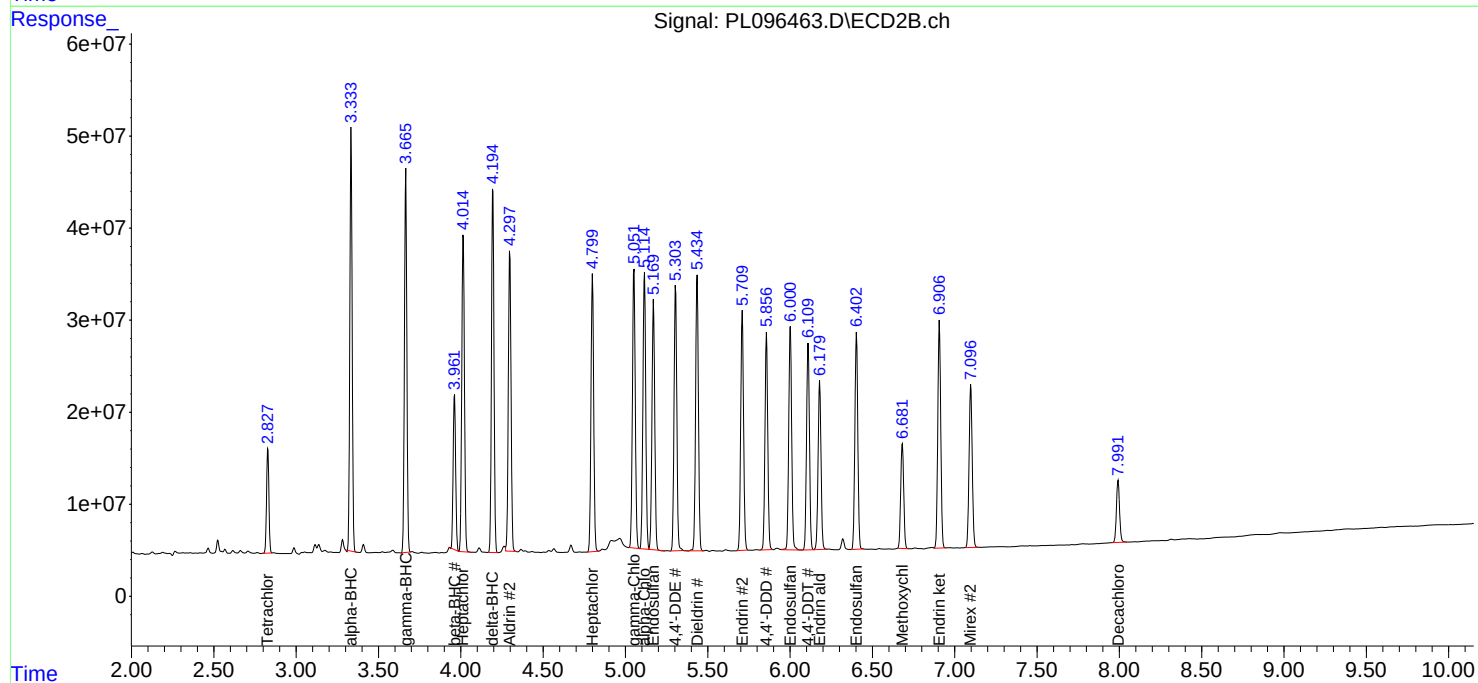
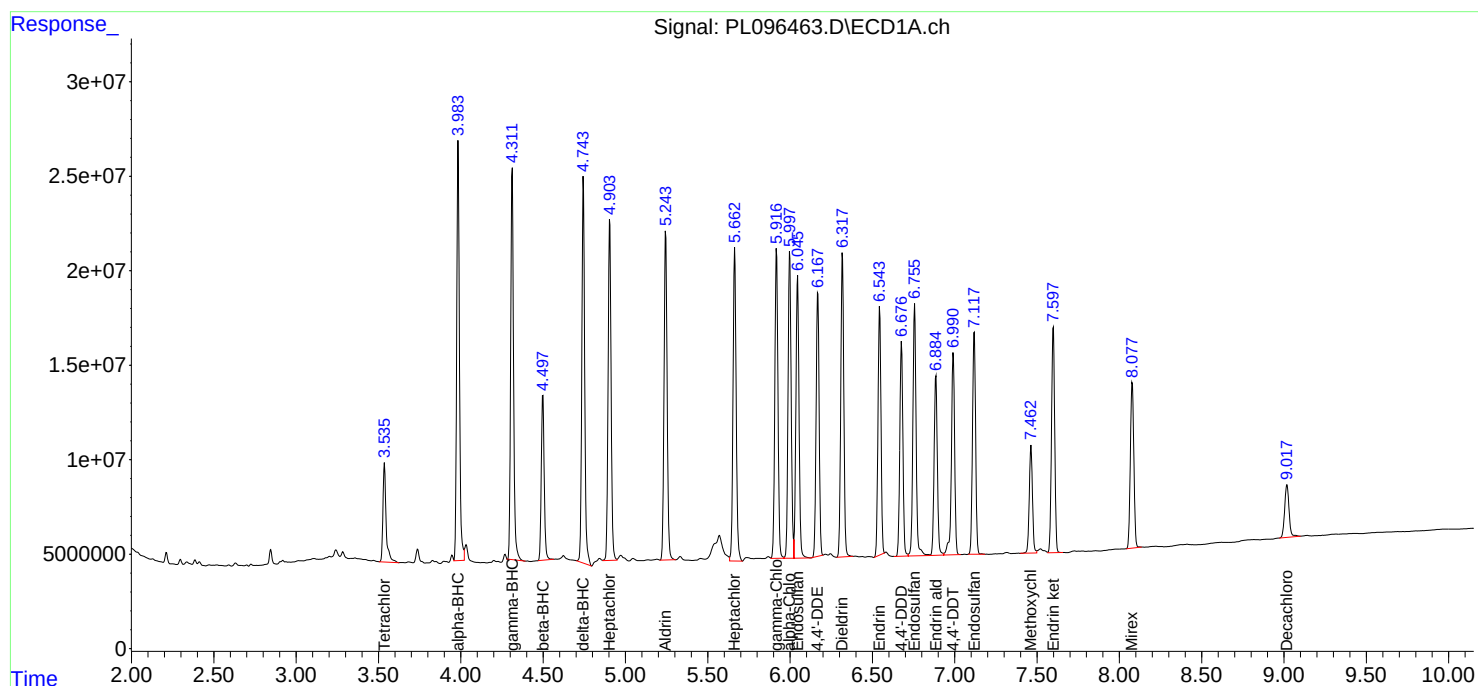
Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

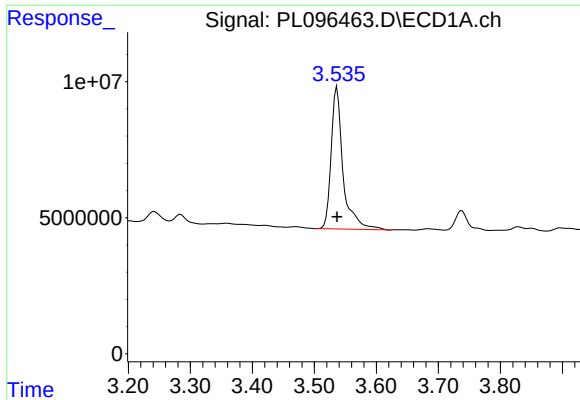
Manual Integrations
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Supervised By :mohammad ahmed 07/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 18 23:25:17 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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





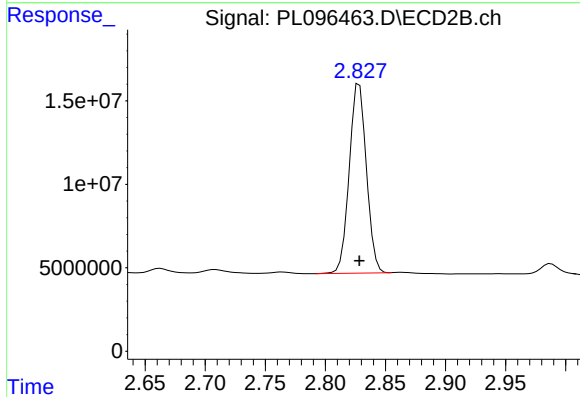
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 69757783
Conc: 19.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
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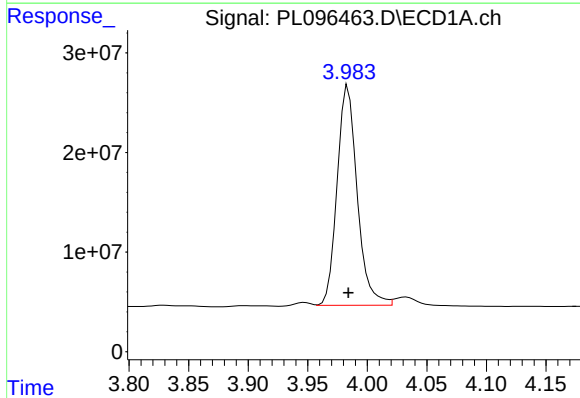
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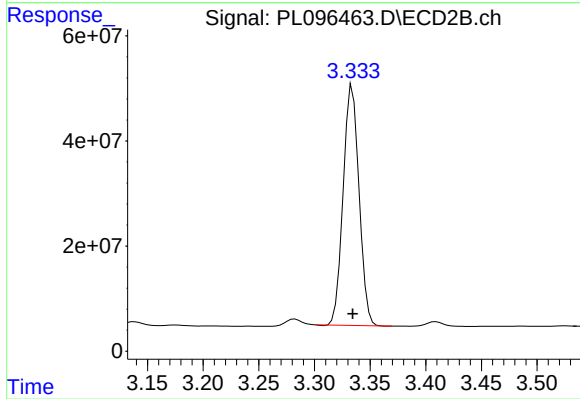
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 112759360
Conc: 19.54 ng/ml



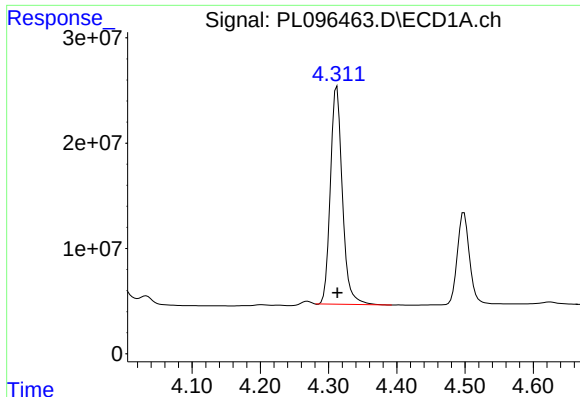
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.002 min
Response: 259443584
Conc: 50.44 ng/ml m



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 453014404
Conc: 53.71 ng/ml



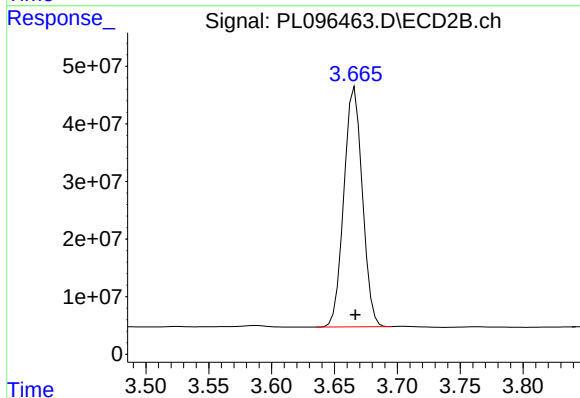
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 252101411
Conc: 50.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

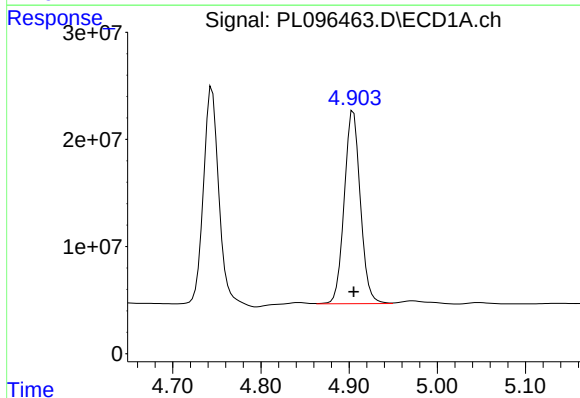
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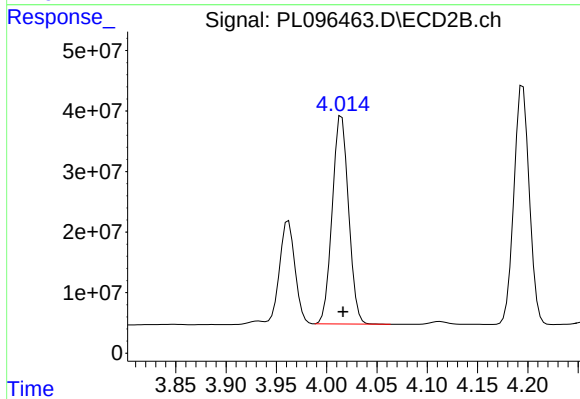
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 426043672
Conc: 54.09 ng/ml



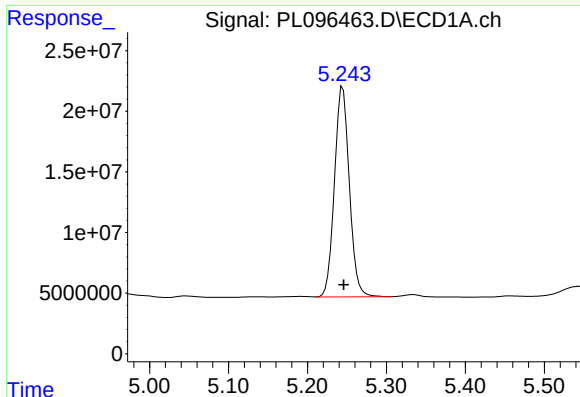
#4 Heptachlor

R.T.: 4.903 min
Delta R.T.: -0.002 min
Response: 228158475
Conc: 49.80 ng/ml m



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.001 min
Response: 387566254
Conc: 50.94 ng/ml



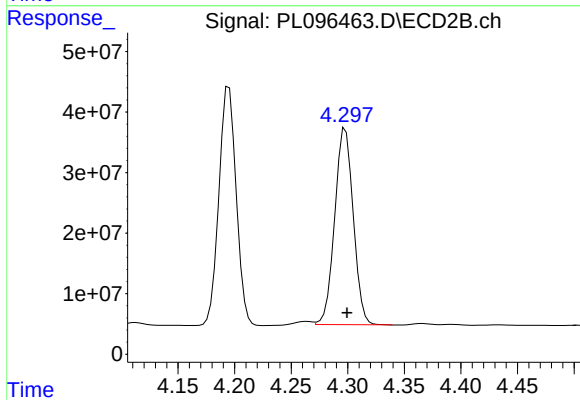
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: -0.001 min
Response: 226904982
Conc: 46.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
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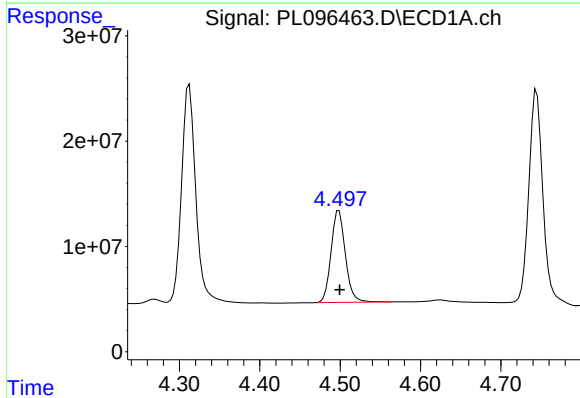
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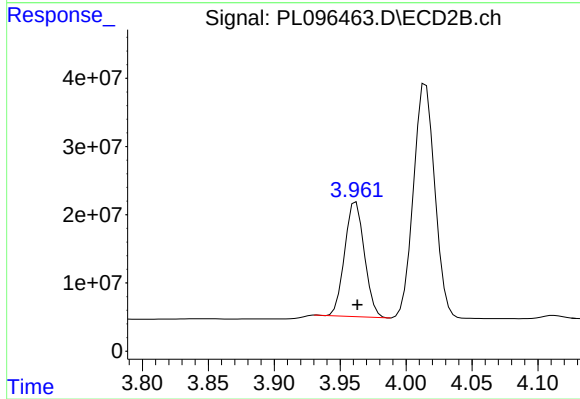
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 369547710
Conc: 50.65 ng/ml m



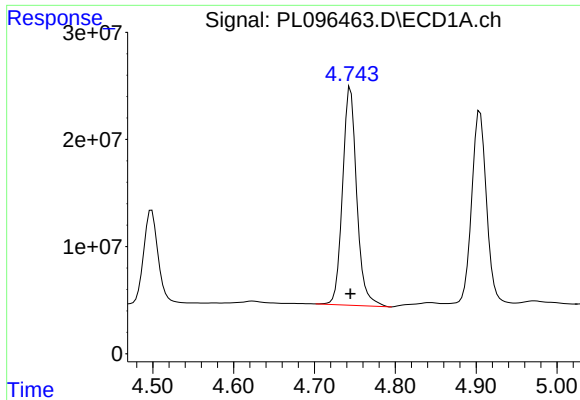
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 107956886
Conc: 51.93 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 174966354
Conc: 51.10 ng/ml



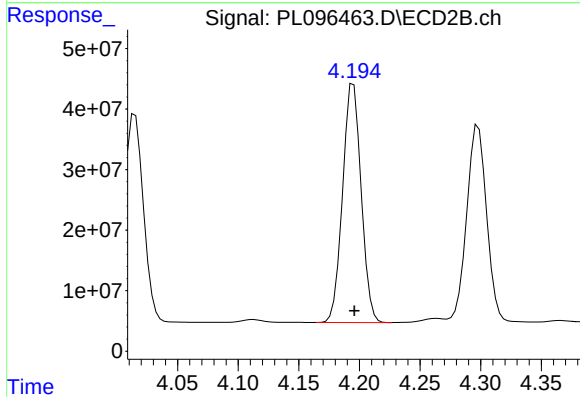
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 248370200
Conc: 55.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

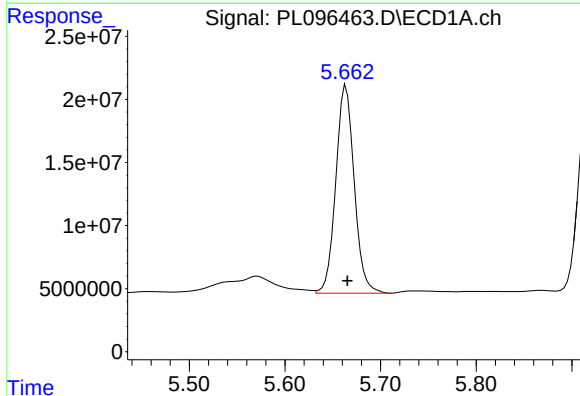
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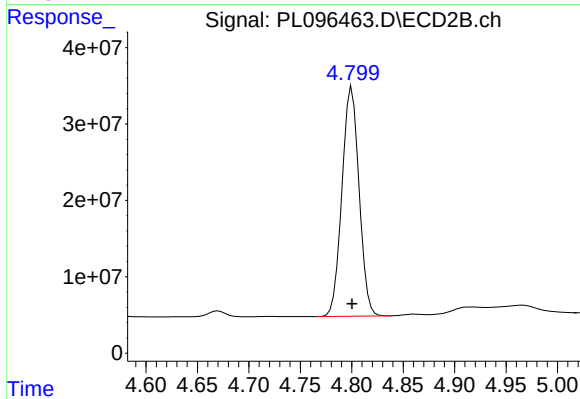
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 419542665
Conc: 54.47 ng/ml



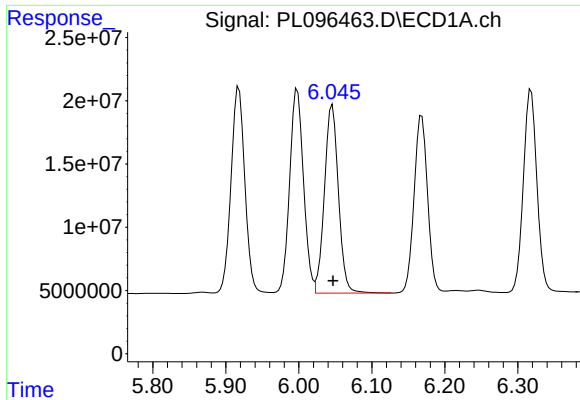
#8 Heptachlor epoxide

R.T.: 5.664 min
Delta R.T.: -0.001 min
Response: 220955774
Conc: 53.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 347660754
Conc: 52.01 ng/ml



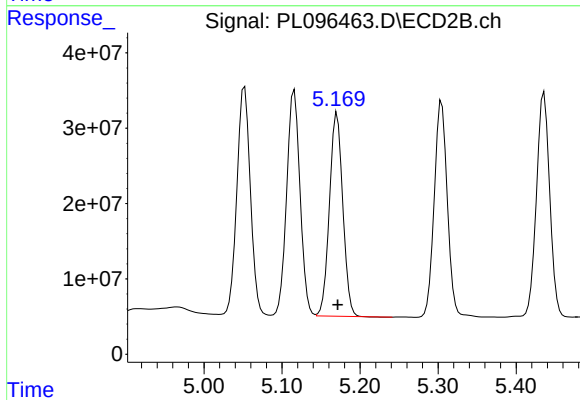
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 198829075
Conc: 49.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

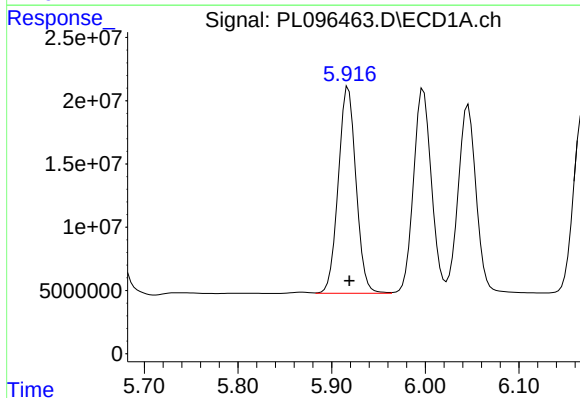
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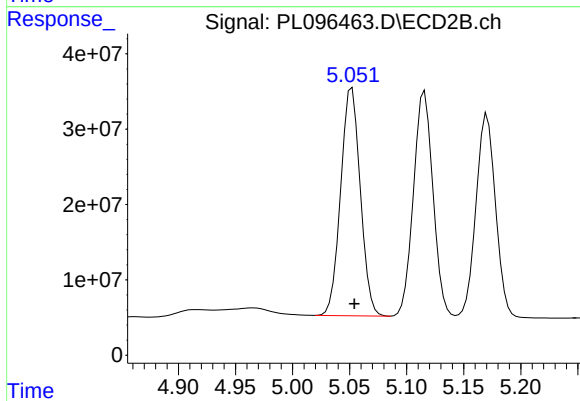
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: -0.001 min
Response: 320256639
Conc: 44.64 ng/ml



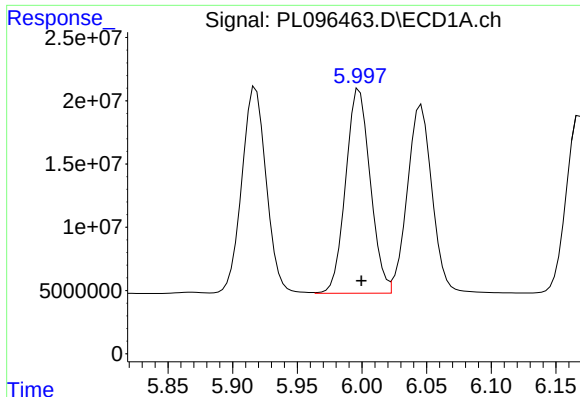
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 214904192
Conc: 48.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.052 min
Delta R.T.: -0.002 min
Response: 362400011
Conc: 51.63 ng/ml



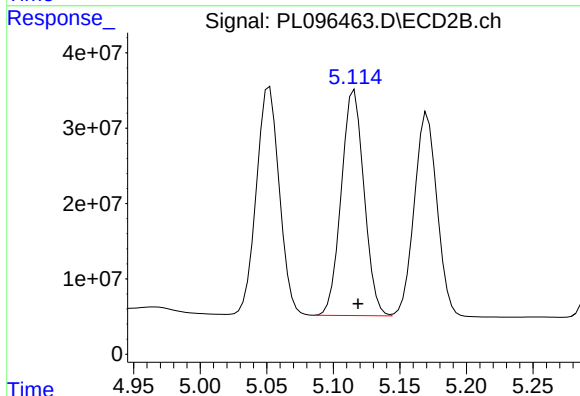
#11 alpha-Chlordane

R.T.: 5.998 min
Delta R.T.: -0.002 min
Response: 213272668
Conc: 48.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

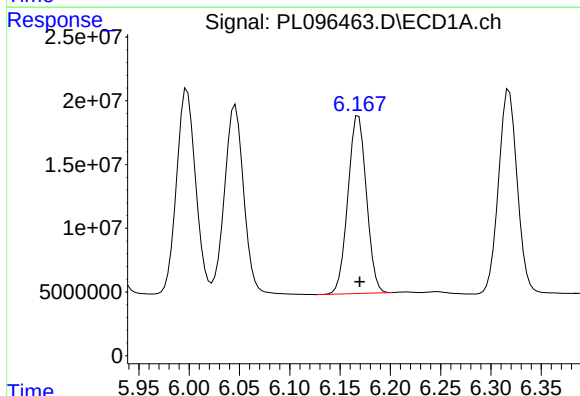
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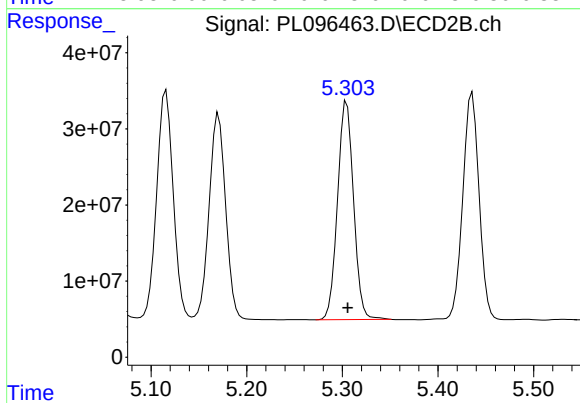
#11 alpha-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.003 min
Response: 356556221
Conc: 47.41 ng/ml



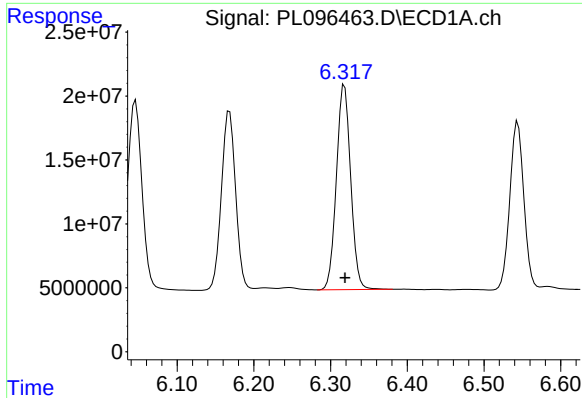
#12 4,4'-DDE

R.T.: 6.168 min
Delta R.T.: -0.001 min
Response: 177976797
Conc: 48.00 ng/ml



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 334785198
Conc: 51.79 ng/ml



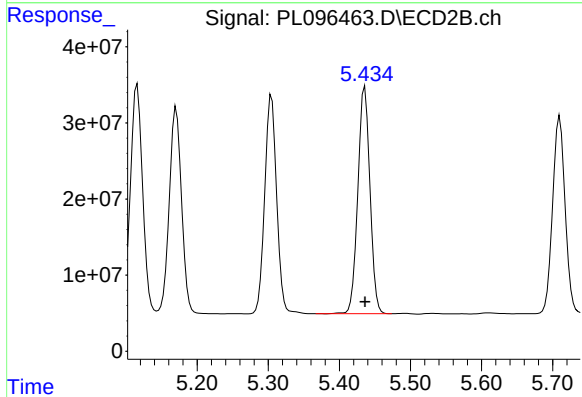
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 207686175
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
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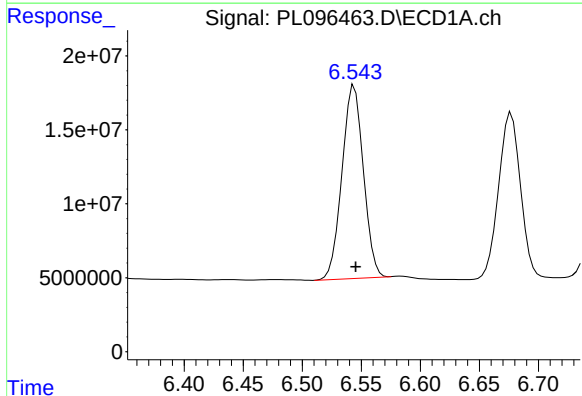
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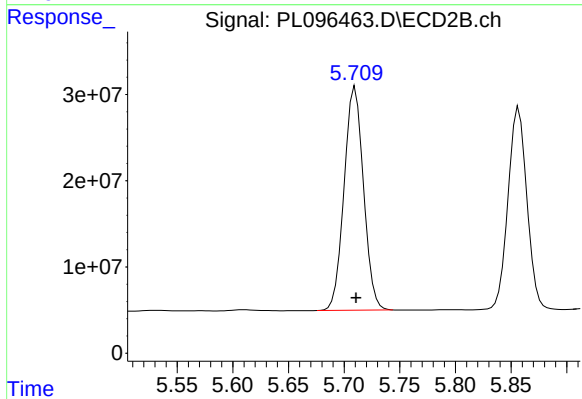
#13 Dieldrin

R.T.: 5.436 min
Delta R.T.: 0.000 min
Response: 353490538
Conc: 51.84 ng/ml



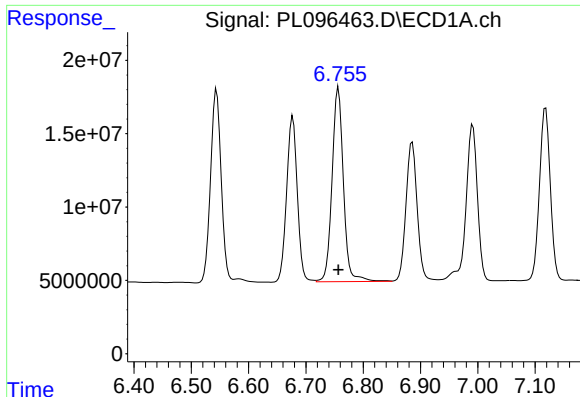
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.001 min
Response: 164652381
Conc: 52.94 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 314903024
Conc: 51.65 ng/ml



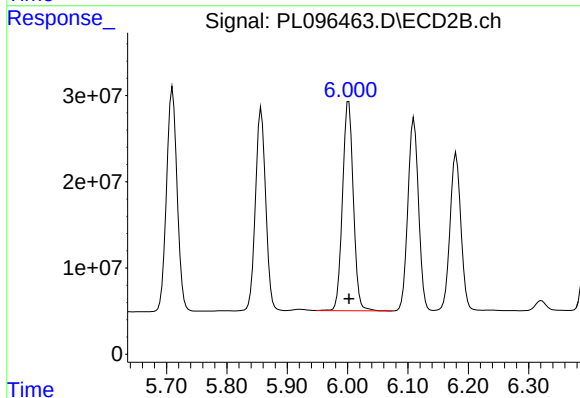
#15 Endosulfan II

R.T.: 6.757 min
Delta R.T.: 0.000 min
Response: 182067395
Conc: 52.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

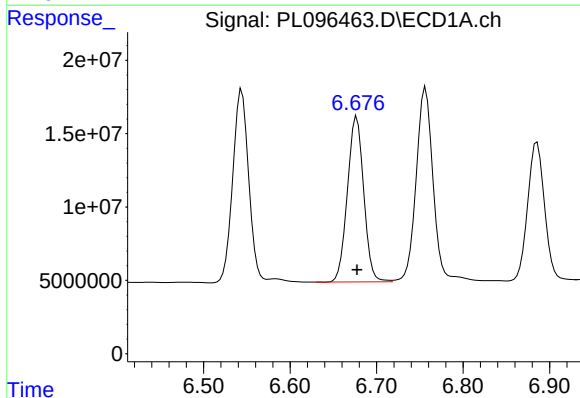
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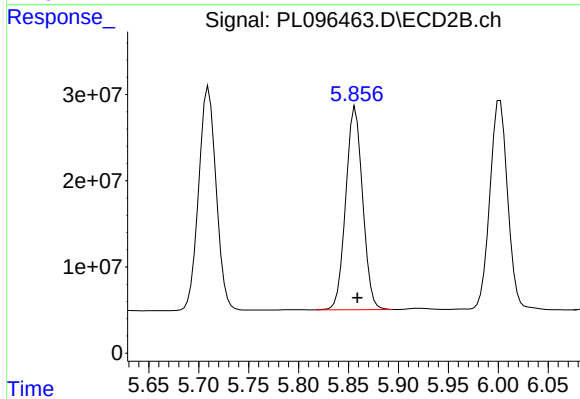
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 303193263
Conc: 51.71 ng/ml



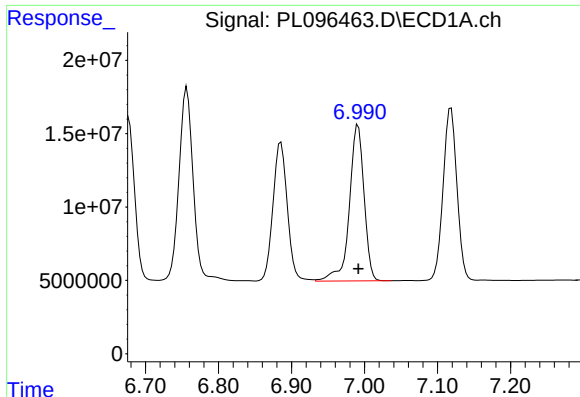
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 147136574
Conc: 50.53 ng/ml



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 277160176
Conc: 54.04 ng/ml



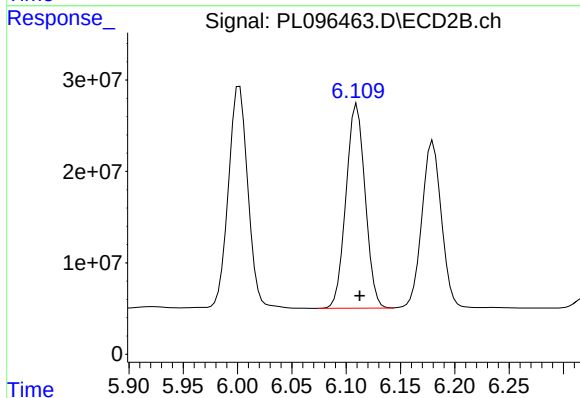
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 148929401
Conc: 49.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

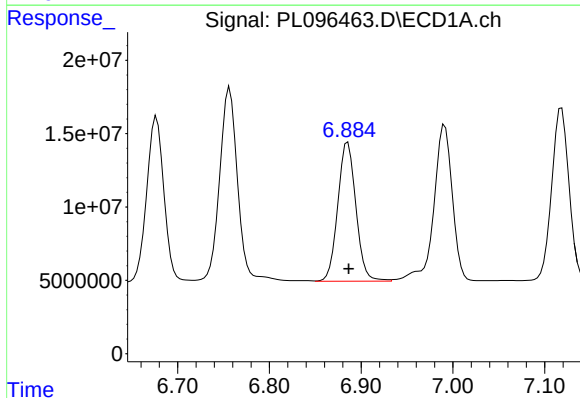
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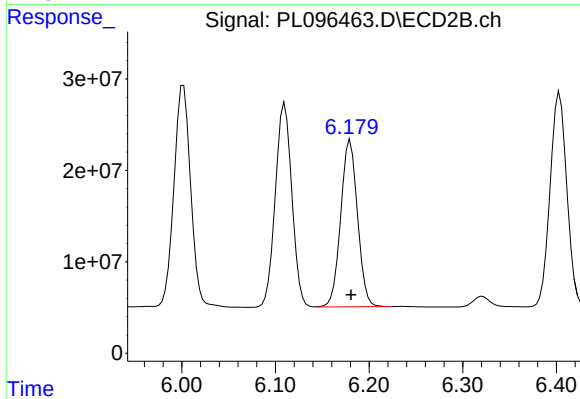
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 274219588
Conc: 47.81 ng/ml



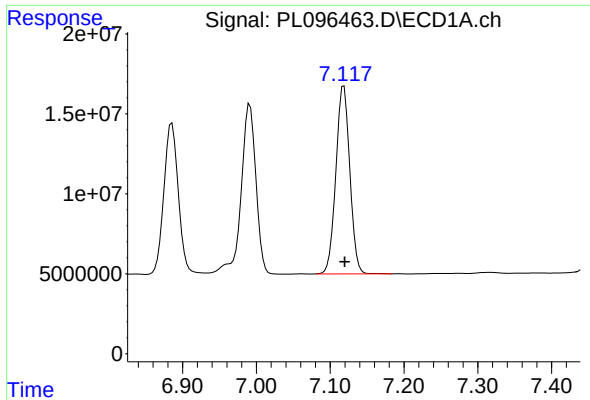
#18 Endrin aldehyde

R.T.: 6.886 min
Delta R.T.: 0.000 min
Response: 130049443
Conc: 58.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: 0.000 min
Response: 227490785
Conc: 51.07 ng/ml



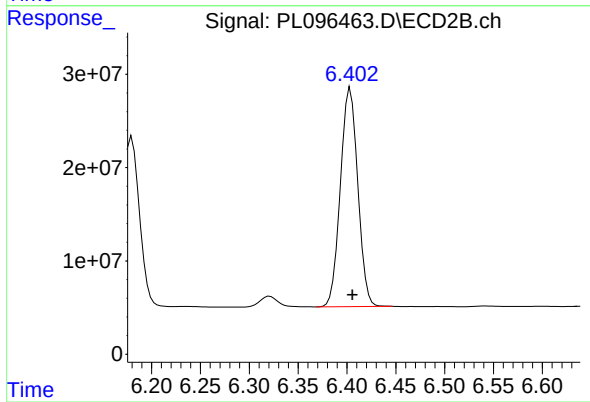
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 154269371
Conc: 50.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
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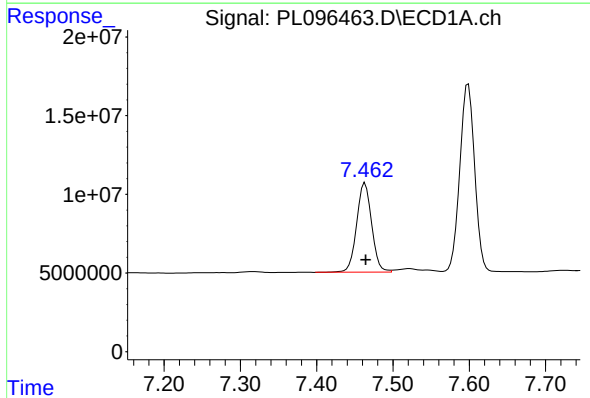
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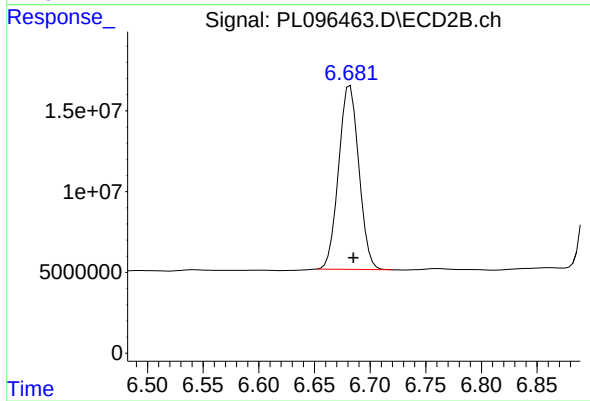
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 290765290
Conc: 51.70 ng/ml



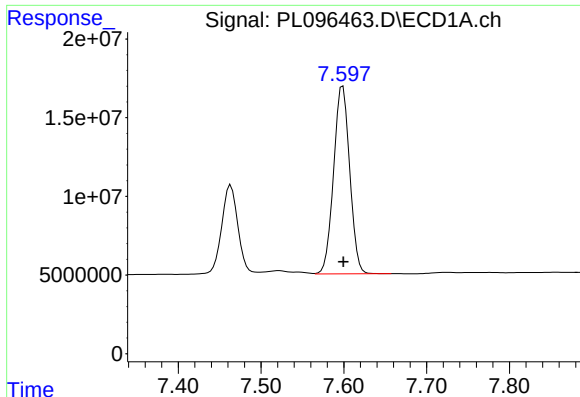
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 77282780
Conc: 49.06 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 143995625
Conc: 47.40 ng/ml



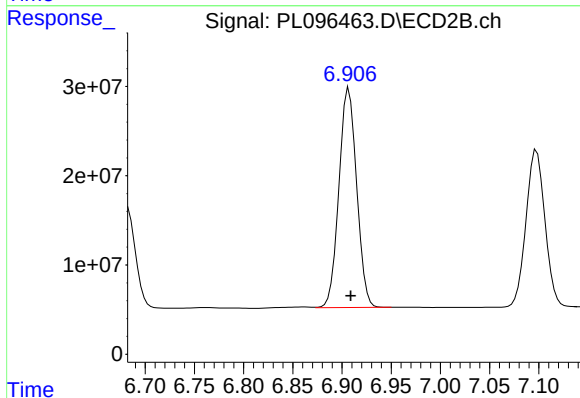
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 161194395
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

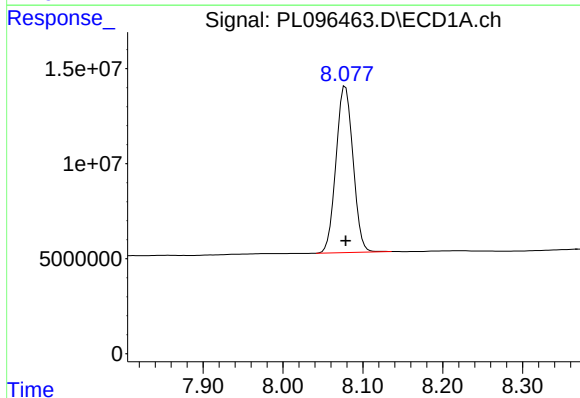
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/21/2025
Supervised By :mohammad ahmed 07/22/2025



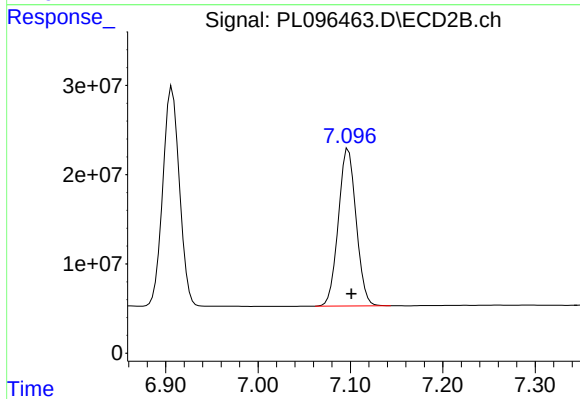
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 308367424
Conc: 49.32 ng/ml



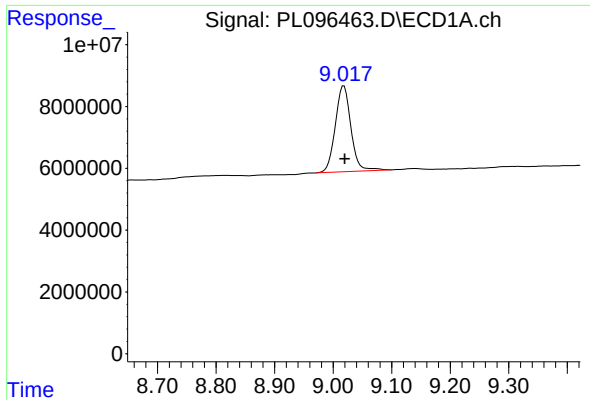
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 129373860
Conc: 46.50 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 235839484
Conc: 47.47 ng/ml



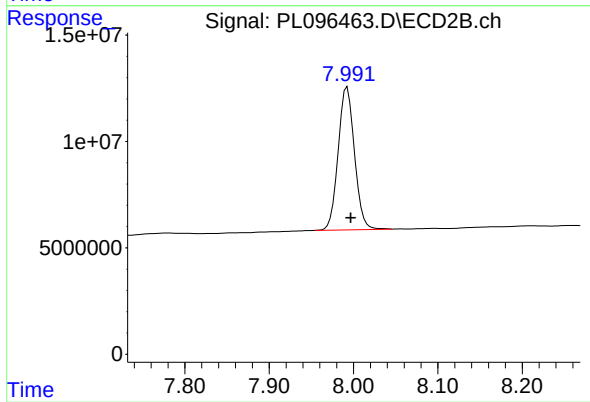
#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 51790159
Conc: 18.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
WC-SOIL-20250711MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 90345628
Conc: 18.12 ng/ml