

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080625\
 Data File : PL096722.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 Aug 2025 13:49
 Operator : AR\AJ
 Sample : Q2772-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 500-3B-SOILMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/07/2025
 Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 06 22:30:25 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.531	2.827	45613209	65584626	14.340m	13.727
28)	SA Decachlor...	9.007	7.988	45294087	88528184	18.994	20.406
Target Compounds							
2)	A alpha-BHC	3.980	3.332	169.3E6	236.0E6	36.584	33.349
3)	MA gamma-BHC...	4.308	3.664	159.7E6	219.9E6	36.096	33.300
4)	MA Heptachlor	4.899	4.013	161.0E6	214.4E6	38.730	32.183
5)	MB Aldrin	5.238	4.294	155.9E6	209.1E6	36.240m	33.693m
6)	B beta-BHC	4.493	3.960	72448871	91949123	40.139m	32.596
7)	B delta-BHC	4.739	4.193	150.1E6	213.2E6	37.632m	32.928
8)	B Heptachlo...	5.658	4.797	152.7E6	202.3E6	39.596	35.428
9)	A Endosulfan I	6.040	5.168	147.3E6	198.9E6	40.960	35.954
10)	B gamma-Chl...	5.912	5.049	157.5E6	211.5E6	41.386	35.972
11)	B alpha-Chl...	5.992	5.113	157.6E6	213.3E6	40.899	36.161
12)	B 4,4'-DDE	6.162	5.301	132.5E6	208.8E6	41.248	37.873
13)	MA Dieldrin	6.312	5.432	156.7E6	227.9E6	42.227	38.588
14)	MA Endrin	6.538	5.706	131.4E6	222.6E6	43.412	41.185
15)	B Endosulfa...	6.751	5.998	141.0E6	229.2E6	44.018	44.630
16)	A 4,4'-DDD	6.670	5.854	114.3E6	196.6E6	45.221	41.793
17)	MA 4,4'-DDT	6.985	6.106	133.1E6	226.8E6	46.399	44.846
18)	B Endrin al...	6.879	6.176	107.7E6	188.3E6	50.196	50.743
19)	B Endosulfa...	7.113	6.400	140.6E6	255.5E6	48.919	50.226
20)	A Methoxychlor	7.456	6.676	76061288	133.8E6	51.800m	48.807m
21)	B Endrin ke...	7.592	6.904	145.3E6	272.9E6	48.337	49.000
22)	Mirex	8.070	7.094	122.3E6	220.8E6	49.337	50.625

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080625\
Data File : PL096722.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 Aug 2025 13:49
Operator : AR\AJ
Sample : Q2772-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

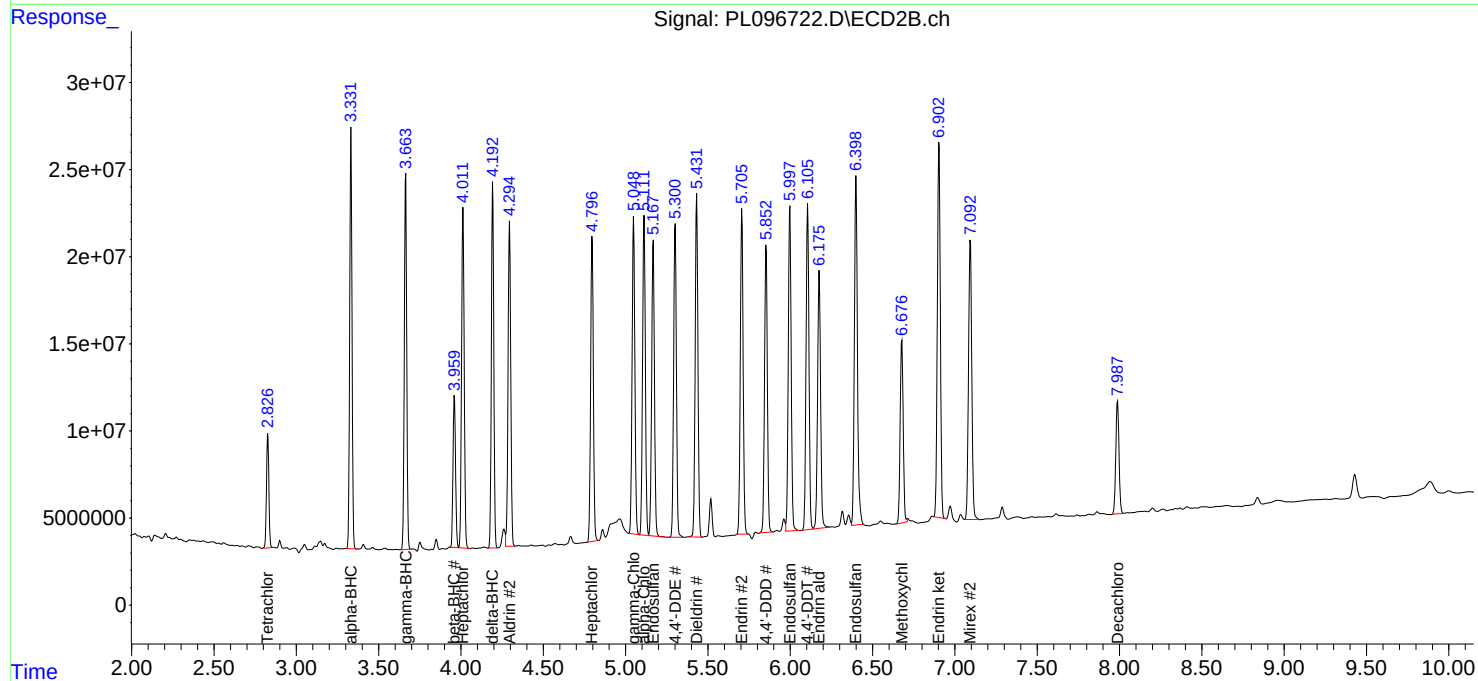
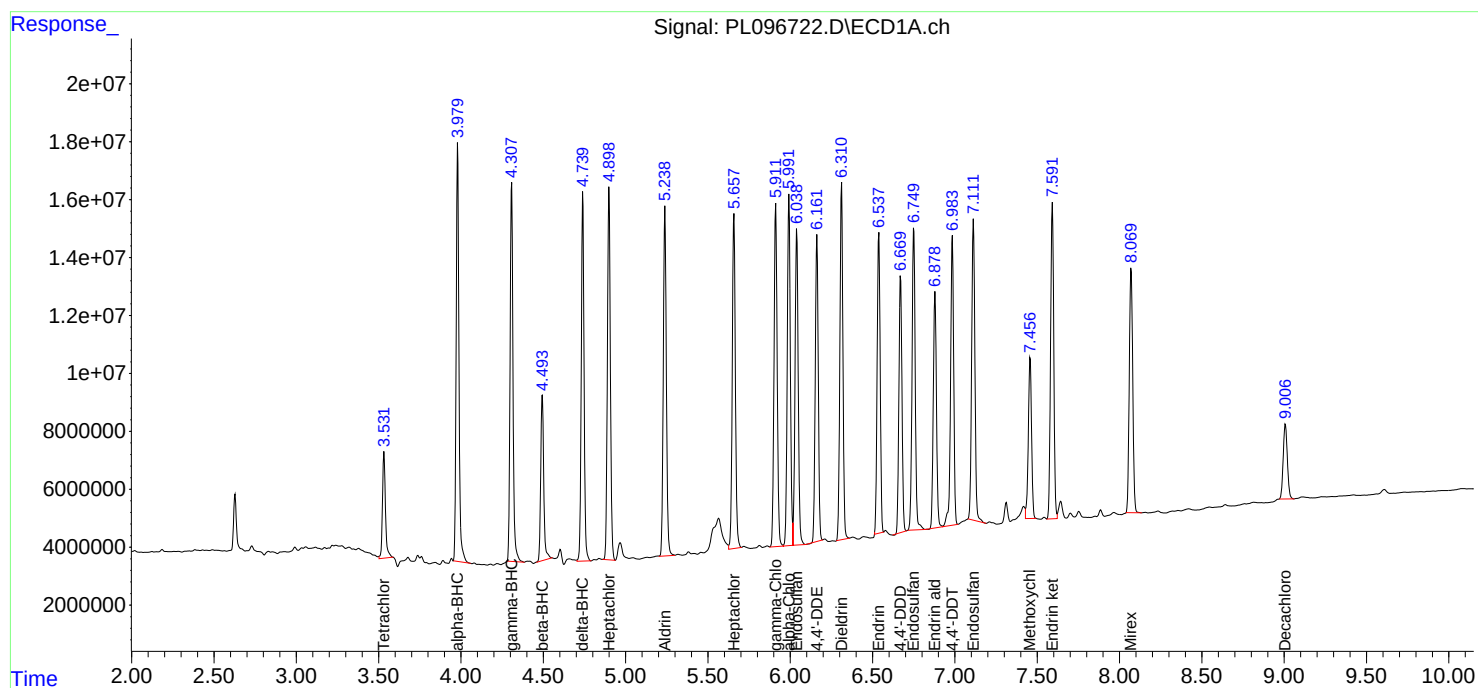
Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

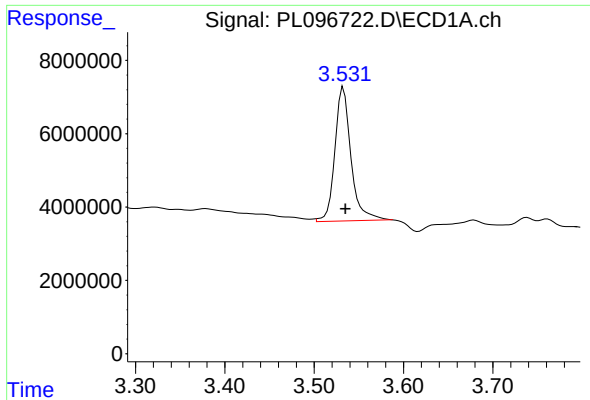
Manual Integrations
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Supervised By :mohammad ahmed 08/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 06 22:30:25 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
Quant Title : GC Extractables
QLast Update : Tue Jul 29 08:58:13 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 x0.25µm





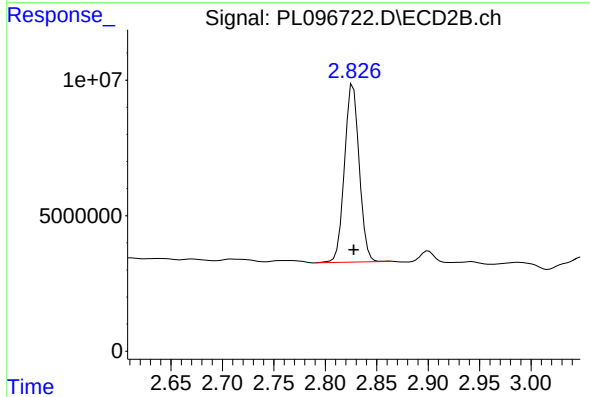
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 45613209
Conc: 14.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

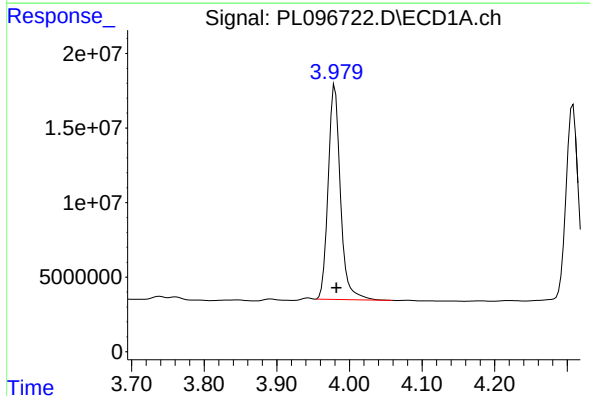
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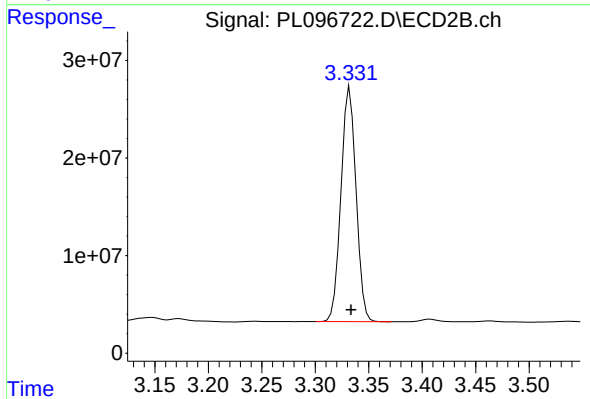
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 65584626
Conc: 13.73 ng/ml



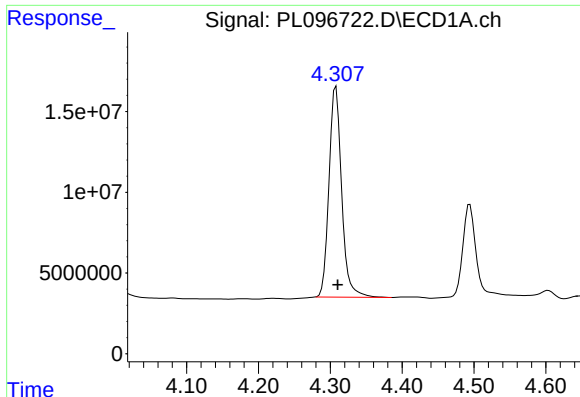
#2 alpha-BHC

R.T.: 3.980 min
Delta R.T.: -0.002 min
Response: 169250784
Conc: 36.58 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: 0.000 min
Response: 236009623
Conc: 33.35 ng/ml



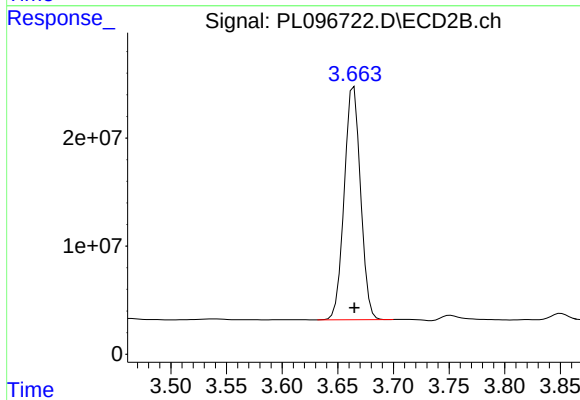
#3 gamma-BHC (Lindane)

R.T.: 4.308 min
Delta R.T.: -0.002 min
Response: 159666531
Conc: 36.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

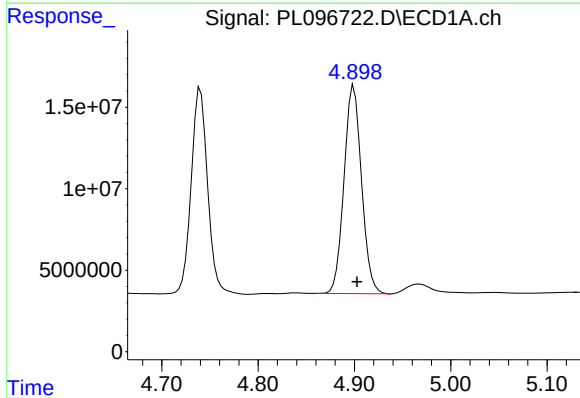
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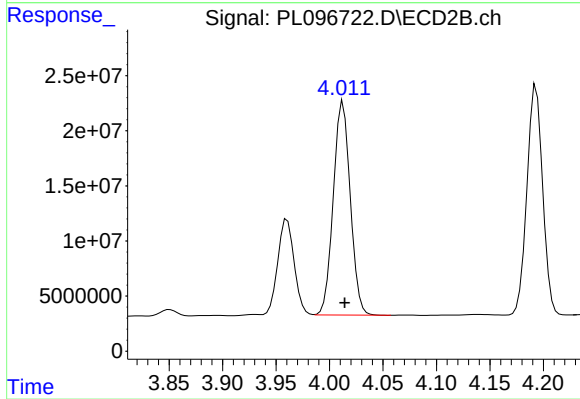
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: 0.000 min
Response: 219894158
Conc: 33.30 ng/ml



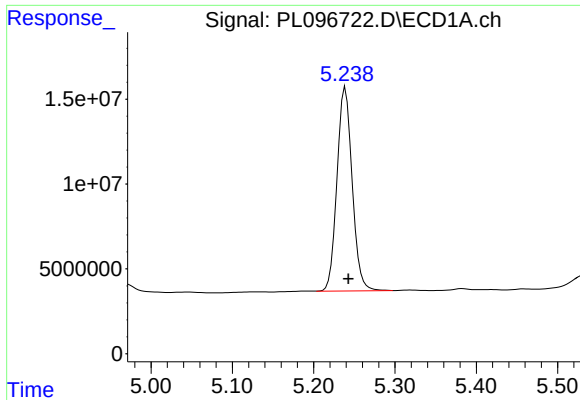
#4 Heptachlor

R.T.: 4.899 min
Delta R.T.: -0.003 min
Response: 160951793
Conc: 38.73 ng/ml



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.001 min
Response: 214404230
Conc: 32.18 ng/ml



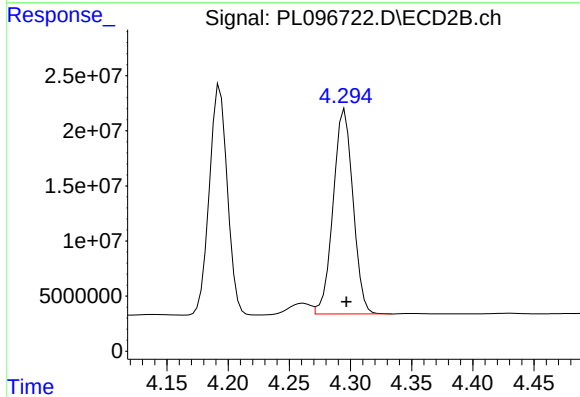
#5 Aldrin

R.T.: 5.238 min
Delta R.T.: -0.005 min
Response: 155866250
Conc: 36.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

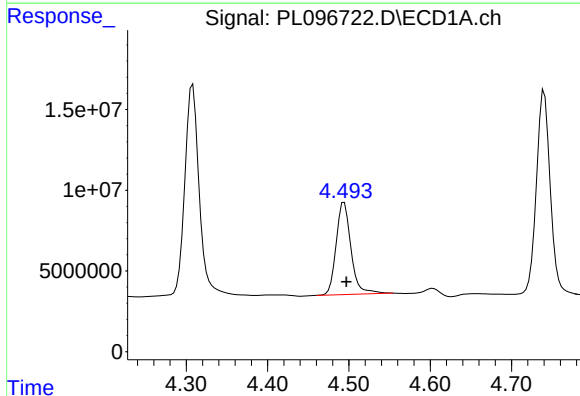
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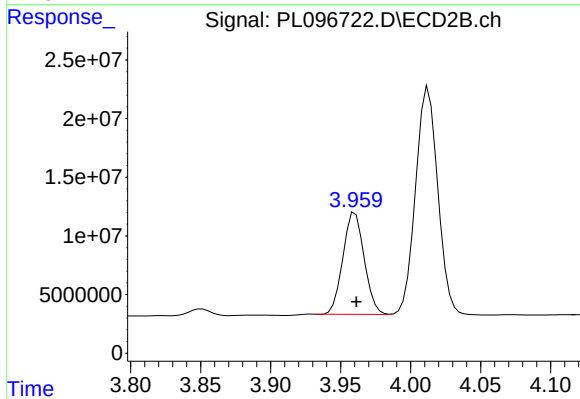
#5 Aldrin

R.T.: 4.294 min
Delta R.T.: -0.003 min
Response: 209133977
Conc: 33.69 ng/ml m



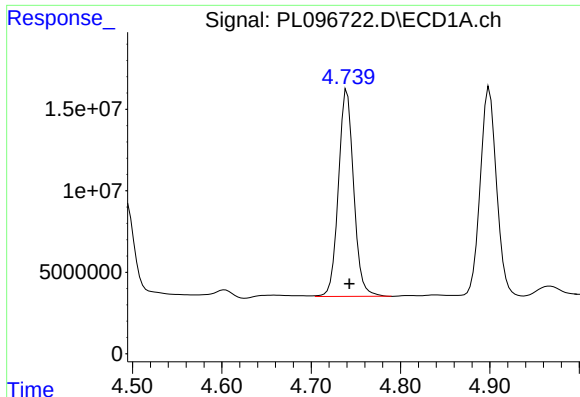
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 72448871
Conc: 40.14 ng/ml m



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: 0.000 min
Response: 91949123
Conc: 32.60 ng/ml



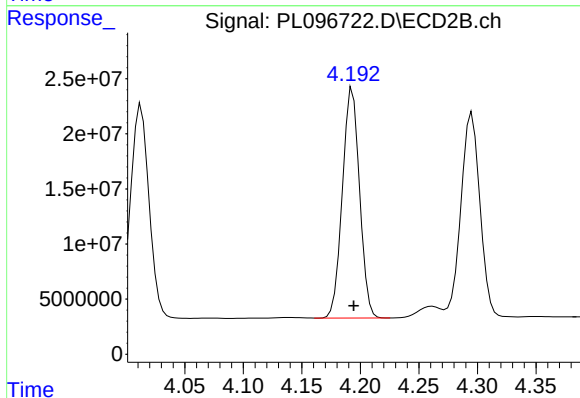
#7 delta-BHC

R.T.: 4.739 min
Delta R.T.: -0.004 min
Response: 150144937
Conc: 37.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

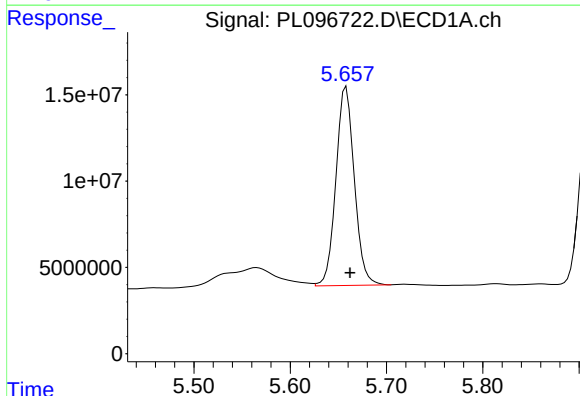
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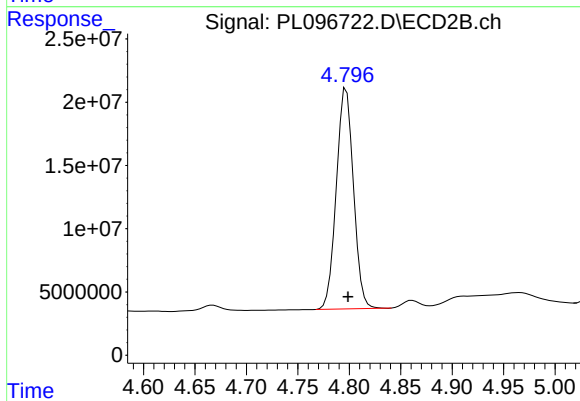
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.001 min
Response: 213160479
Conc: 32.93 ng/ml



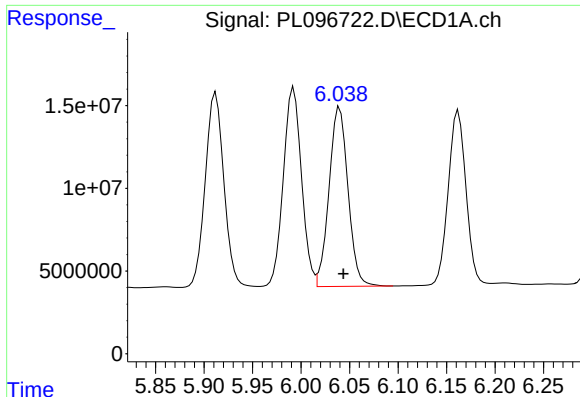
#8 Heptachlor epoxide

R.T.: 5.658 min
Delta R.T.: -0.004 min
Response: 152704999
Conc: 39.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.797 min
Delta R.T.: -0.002 min
Response: 202343009
Conc: 35.43 ng/ml



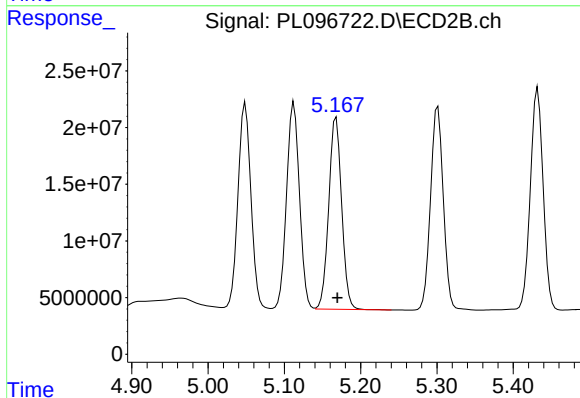
#9 Endosulfan I

R.T.: 6.040 min
Delta R.T.: -0.004 min
Response: 147307411
Conc: 40.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

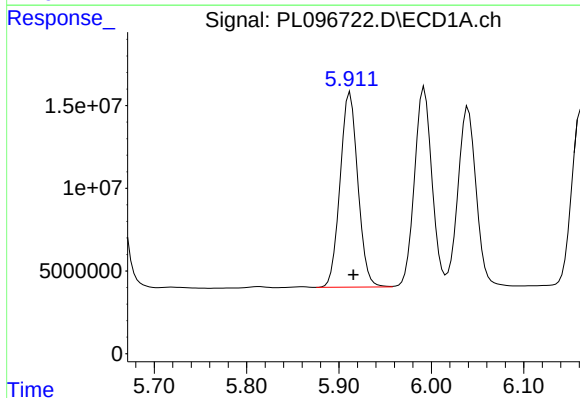
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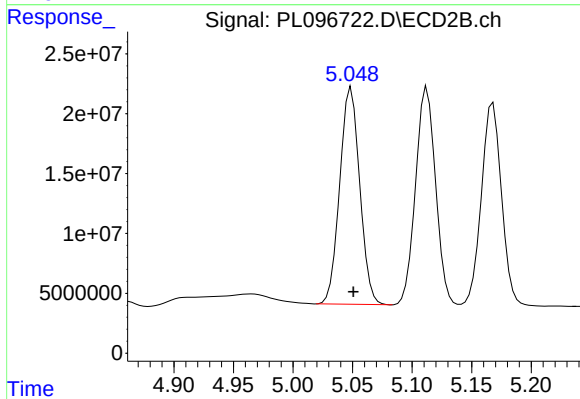
#9 Endosulfan I

R.T.: 5.168 min
Delta R.T.: -0.002 min
Response: 198878076
Conc: 35.95 ng/ml



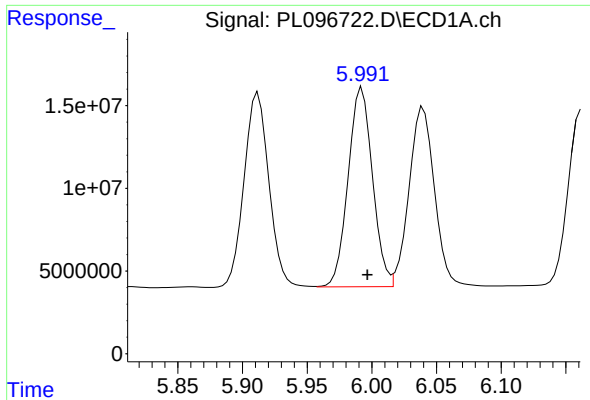
#10 gamma-Chlordane

R.T.: 5.912 min
Delta R.T.: -0.004 min
Response: 157482245
Conc: 41.39 ng/ml



#10 gamma-Chlordane

R.T.: 5.049 min
Delta R.T.: -0.002 min
Response: 211518206
Conc: 35.97 ng/ml



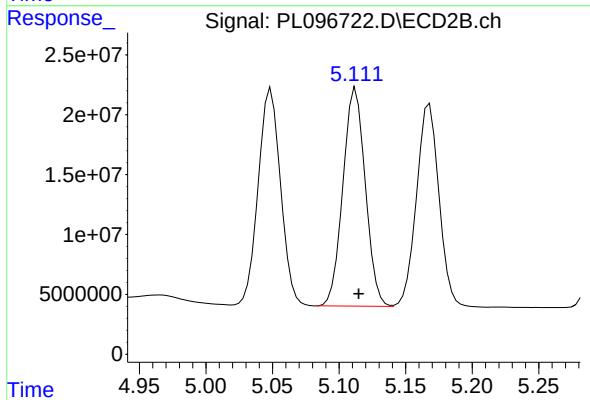
#11 alpha-Chlordane

R.T.: 5.992 min
Delta R.T.: -0.004 min
Response: 157649953
Conc: 40.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

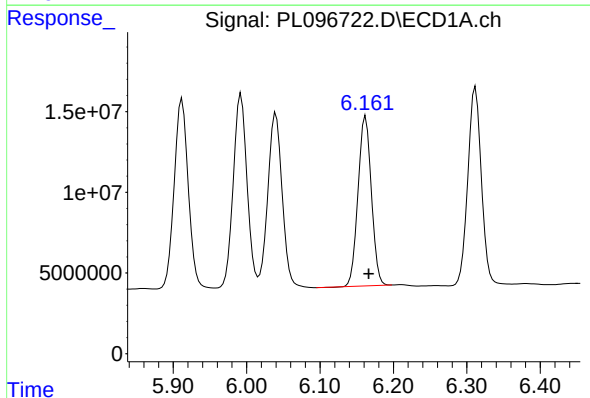
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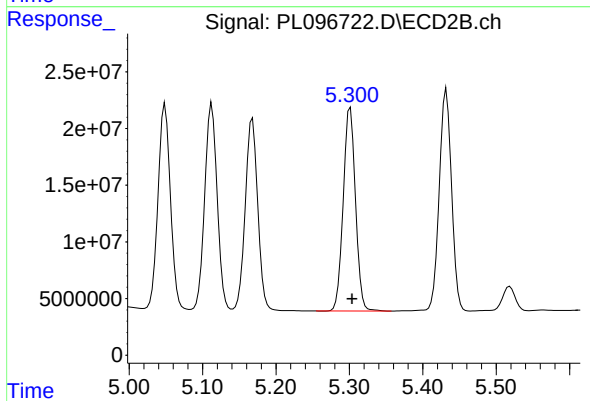
#11 alpha-Chlordane

R.T.: 5.113 min
Delta R.T.: -0.002 min
Response: 213313286
Conc: 36.16 ng/ml



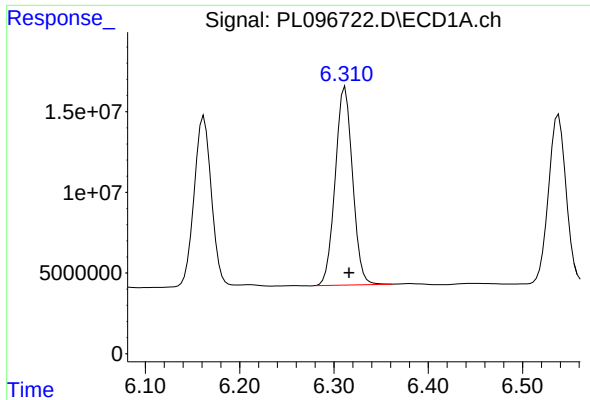
#12 4,4'-DDE

R.T.: 6.162 min
Delta R.T.: -0.004 min
Response: 132457190
Conc: 41.25 ng/ml



#12 4,4'-DDE

R.T.: 5.301 min
Delta R.T.: -0.002 min
Response: 208849708
Conc: 37.87 ng/ml



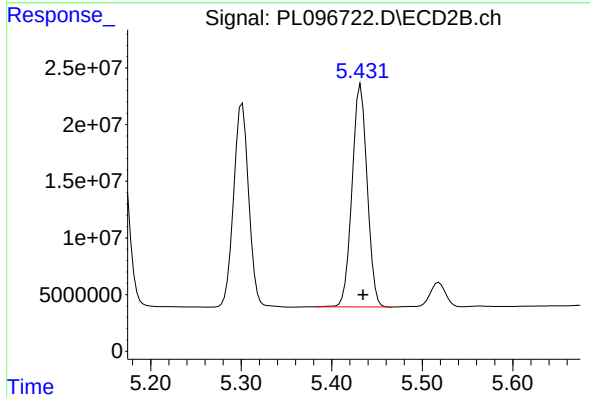
#13 Dieldrin

R.T.: 6.312 min
Delta R.T.: -0.004 min
Response: 156712004
Conc: 42.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

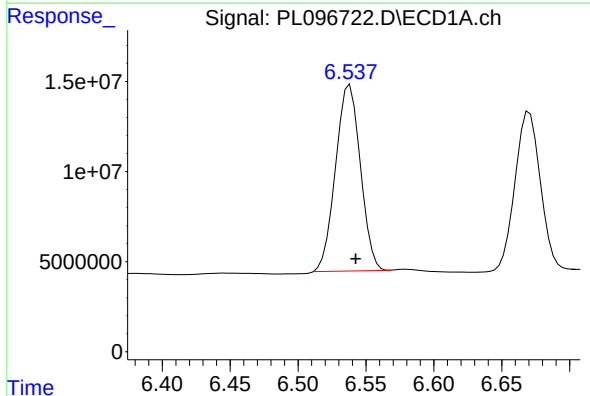
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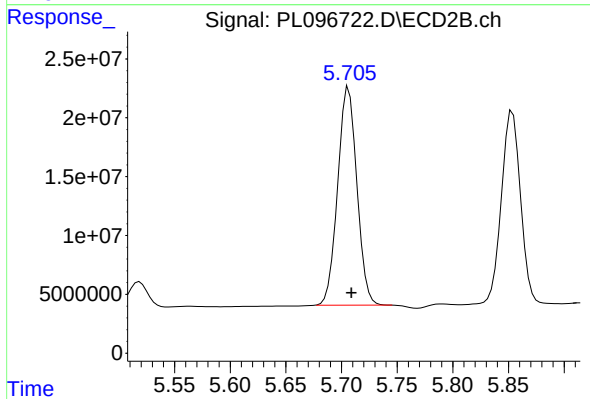
#13 Dieldrin

R.T.: 5.432 min
Delta R.T.: -0.002 min
Response: 227922962
Conc: 38.59 ng/ml



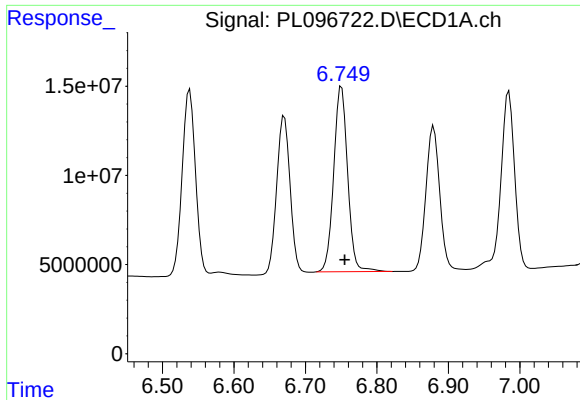
#14 Endrin

R.T.: 6.538 min
Delta R.T.: -0.004 min
Response: 131398696
Conc: 43.41 ng/ml



#14 Endrin

R.T.: 5.706 min
Delta R.T.: -0.003 min
Response: 222642380
Conc: 41.18 ng/ml



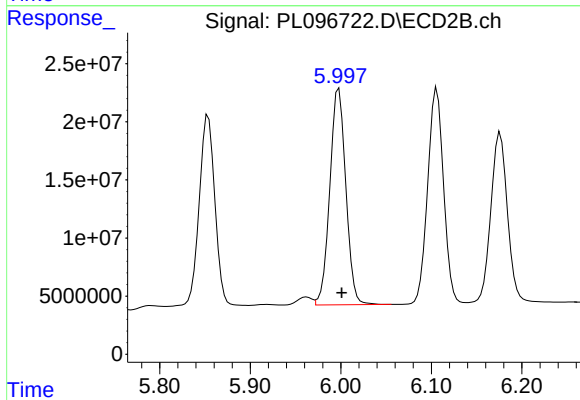
#15 Endosulfan II

R.T.: 6.751 min
Delta R.T.: -0.004 min
Response: 140973074
Conc: 44.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

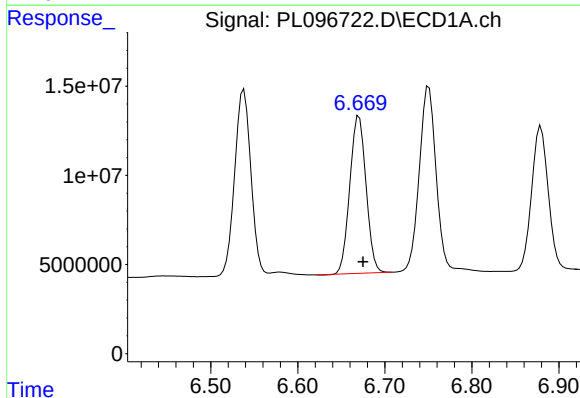
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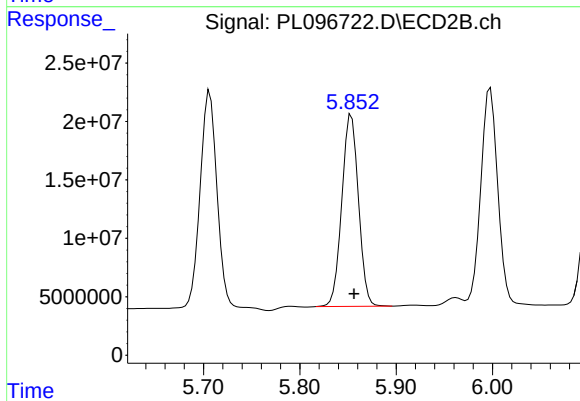
#15 Endosulfan II

R.T.: 5.998 min
Delta R.T.: -0.003 min
Response: 229232620
Conc: 44.63 ng/ml



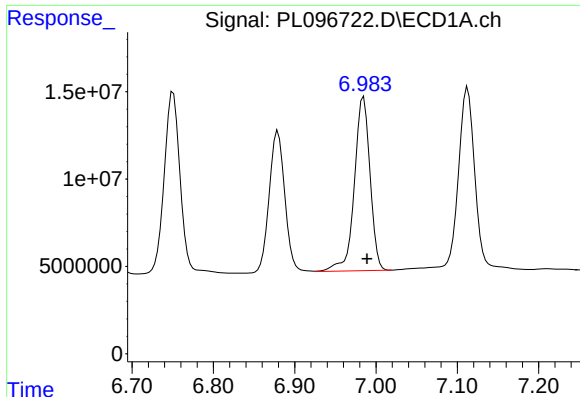
#16 4,4'-DDD

R.T.: 6.670 min
Delta R.T.: -0.005 min
Response: 114334645
Conc: 45.22 ng/ml



#16 4,4'-DDD

R.T.: 5.854 min
Delta R.T.: -0.003 min
Response: 196645763
Conc: 41.79 ng/ml



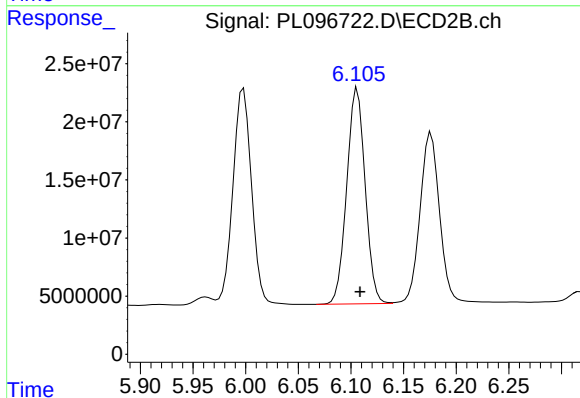
#17 4,4'-DDT

R.T.: 6.985 min
Delta R.T.: -0.004 min
Response: 133057978
Conc: 46.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

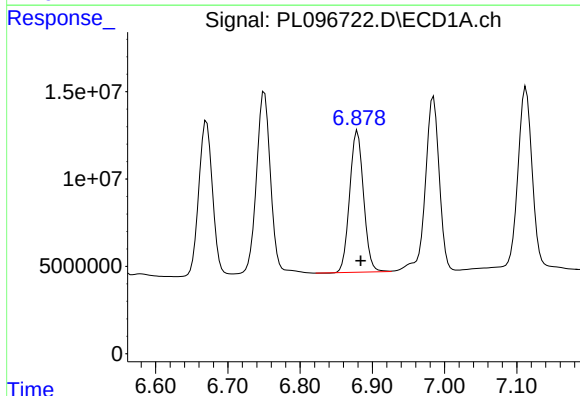
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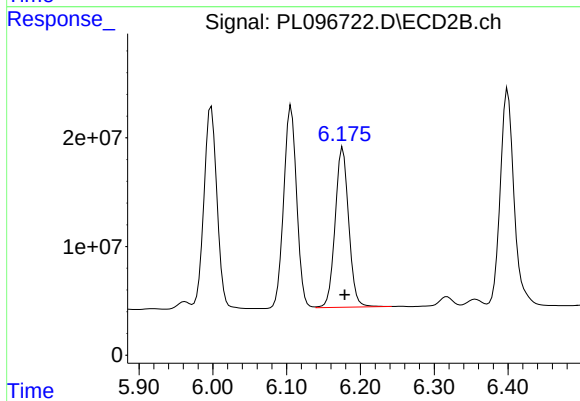
#17 4,4'-DDT

R.T.: 6.106 min
Delta R.T.: -0.003 min
Response: 226846394
Conc: 44.85 ng/ml



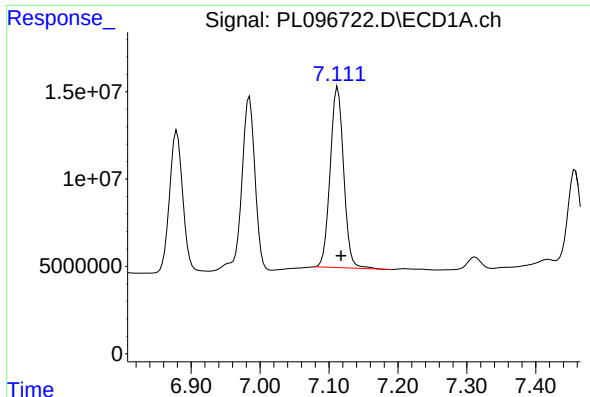
#18 Endrin aldehyde

R.T.: 6.879 min
Delta R.T.: -0.004 min
Response: 107715794
Conc: 50.20 ng/ml



#18 Endrin aldehyde

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 188257812
Conc: 50.74 ng/ml



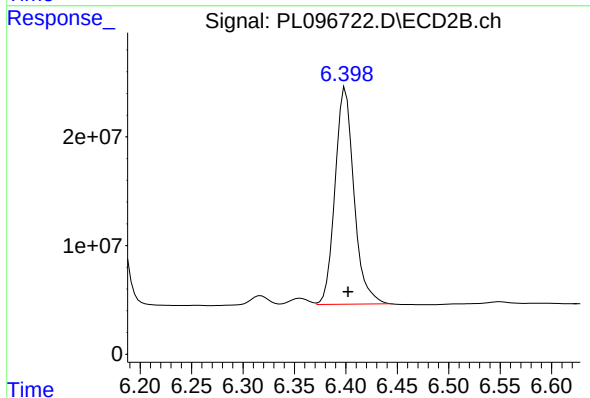
#19 Endosulfan Sulfate

R.T.: 7.113 min
Delta R.T.: -0.005 min
Response: 140577437
Conc: 48.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

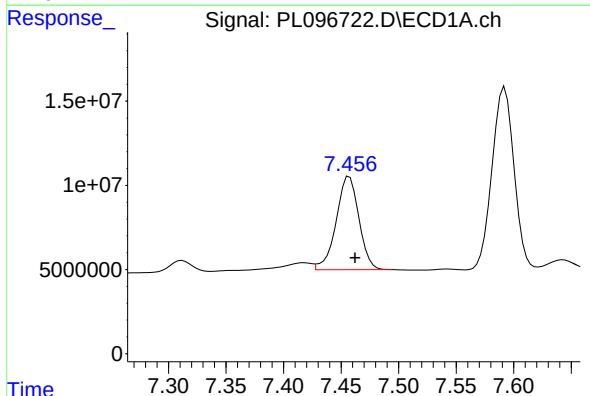
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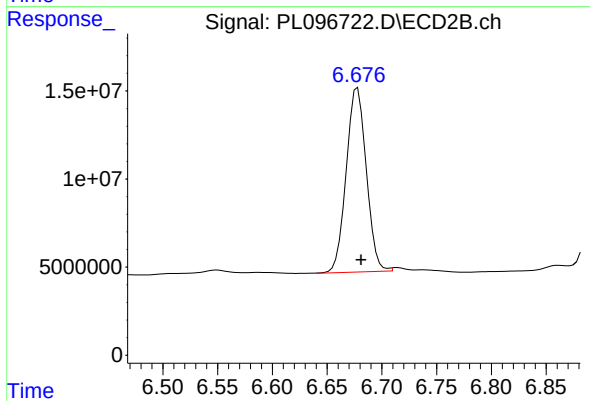
#19 Endosulfan Sulfate

R.T.: 6.400 min
Delta R.T.: -0.003 min
Response: 255461584
Conc: 50.23 ng/ml



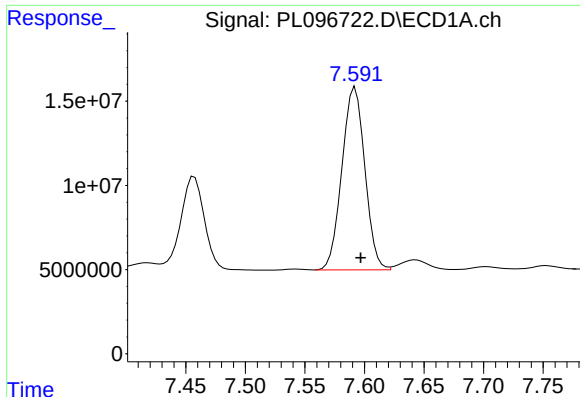
#20 Methoxychlor

R.T.: 7.456 min
Delta R.T.: -0.006 min
Response: 76061288
Conc: 51.80 ng/ml m



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.004 min
Response: 133754894
Conc: 48.81 ng/ml m



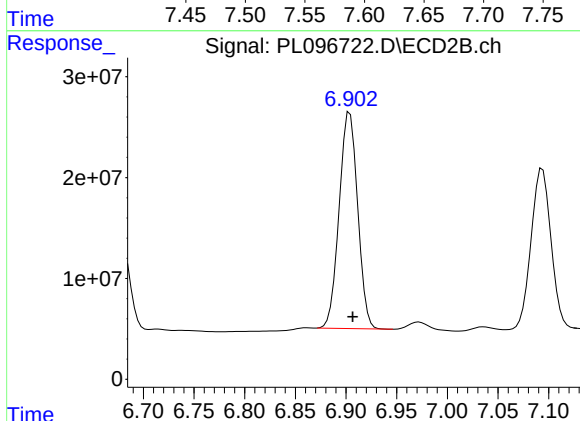
#21 Endrin ketone

R.T.: 7.592 min
Delta R.T.: -0.005 min
Response: 145335849
Conc: 48.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

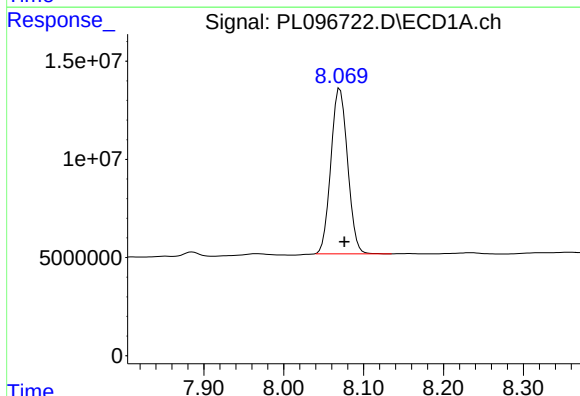
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/07/2025
Supervised By :mohammad ahmed 08/08/2025



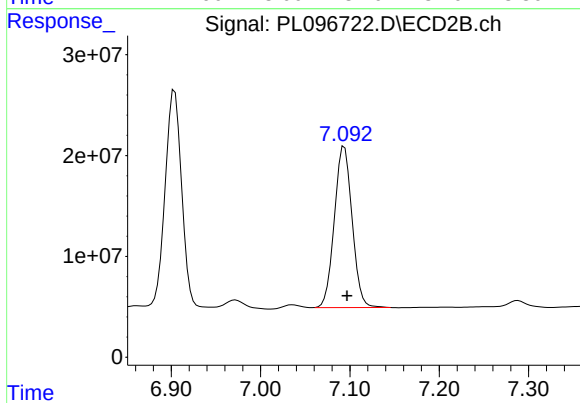
#21 Endrin ketone

R.T.: 6.904 min
Delta R.T.: -0.003 min
Response: 272918603
Conc: 49.00 ng/ml



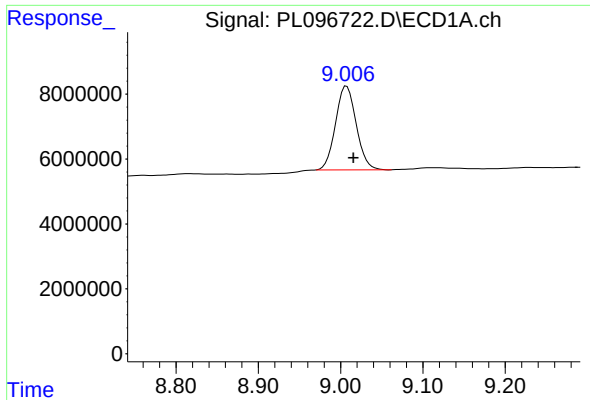
#22 Mirex

R.T.: 8.070 min
Delta R.T.: -0.005 min
Response: 122324320
Conc: 49.34 ng/ml



#22 Mirex

R.T.: 7.094 min
Delta R.T.: -0.003 min
Response: 220769155
Conc: 50.63 ng/ml



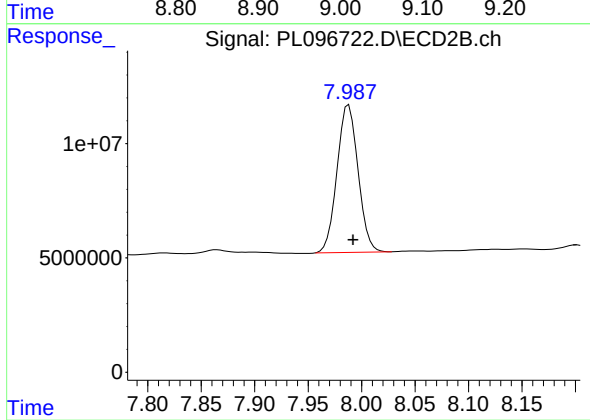
#28 Decachlorobiphenyl

R.T.: 9.007 min
Delta R.T.: -0.008 min
Response: 45294087
Conc: 18.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
500-3B-SOILMSD

Manual Integrations
APPROVED

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#28 Decachlorobiphenyl

R.T.: 7.988 min
Delta R.T.: -0.004 min
Response: 88528184
Conc: 20.41 ng/ml