

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071125\
 Data File : PL096344.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 16:08
 Operator : AR\AJ
 Sample : Q2489-01MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 G4(0-6)MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/14/2025
 Supervised By : mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 11 22:50:16 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...	3.536	2.827	74258132	101.6E6	20.350	17.597
28)	SA Decachlor...	9.018	7.994	59632795	94996314	21.199	19.051
Target Compounds							
2)	A alpha-BHC	3.984	3.333	280.1E6	393.9E6	54.452	46.707
3)	MA gamma-BHC...	4.311	3.666	267.8E6	364.9E6	53.778m	46.333
4)	MA Heptachlor	4.905	4.015	248.2E6	338.1E6	54.177	44.435
5)	MB Aldrin	5.245	4.297	242.9E6	316.9E6	50.251	43.432m
6)	B beta-BHC	4.498	3.962	109.7E6	153.8E6	52.773	44.934
7)	B delta-BHC	4.744	4.195	246.4E6	358.6E6	54.994	46.558
8)	B Heptachlo...	5.662	4.800	249.8E6	302.9E6	60.211m	45.307
9)	A Endosulfan I	6.044	5.171	215.3E6	285.9E6	53.319m	39.857 #
10)	B gamma-Chl...	5.916	5.051	226.7E6	323.2E6	51.237m	46.046m
11)	B alpha-Chl...	5.997	5.115	233.4E6	321.8E6	53.312m	42.795m
12)	B 4,4'-DDE	6.167	5.305	193.1E6	293.0E6	52.083m	45.326
13)	MA Dieldrin	6.318	5.434	228.1E6	331.3E6	53.947	48.579m
14)	MA Endrin	6.543	5.710	186.7E6	299.8E6	60.021m	49.183
15)	B Endosulfa...	6.756	6.002	185.1E6	272.4E6	53.342m	46.459
16)	A 4,4'-DDD	6.675	5.857	160.6E6	250.2E6	55.160m	48.788
17)	MA 4,4'-DDT	6.990	6.110	162.5E6	263.6E6	53.541m	45.963
18)	B Endrin al...	6.884	6.180	135.5E6	211.8E6	60.616m	47.552
19)	B Endosulfa...	7.119	6.404	168.7E6	261.9E6	55.145	46.557
20)	A Methoxychlor	7.462	6.682	87232145	144.4E6	55.372m	47.519
21)	B Endrin ke...	7.599	6.906	177.2E6	390.1E6	53.667	62.392m
22)	Mirex	8.078	7.099	147.5E6	225.4E6	53.031	45.373

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071125\
Data File : PL096344.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Jul 2025 16:08
Operator : AR\AJ
Sample : Q2489-01MSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

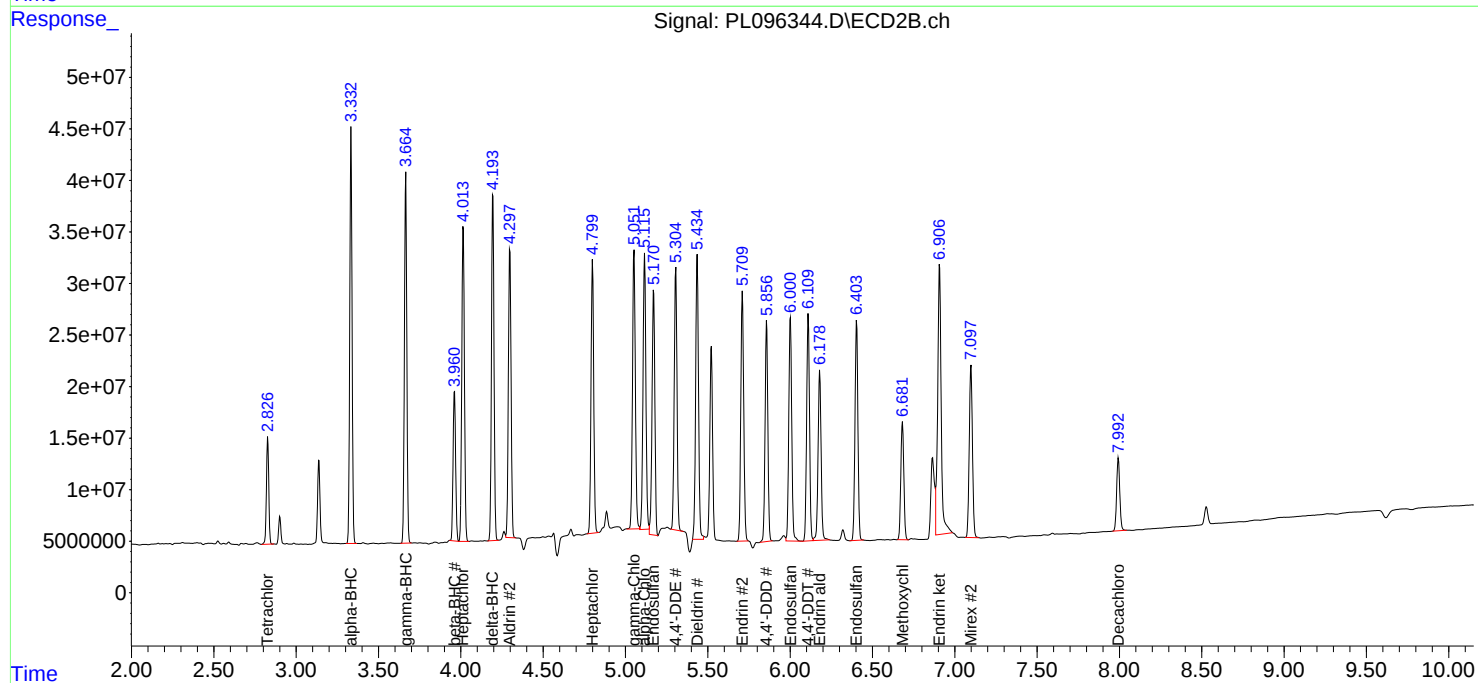
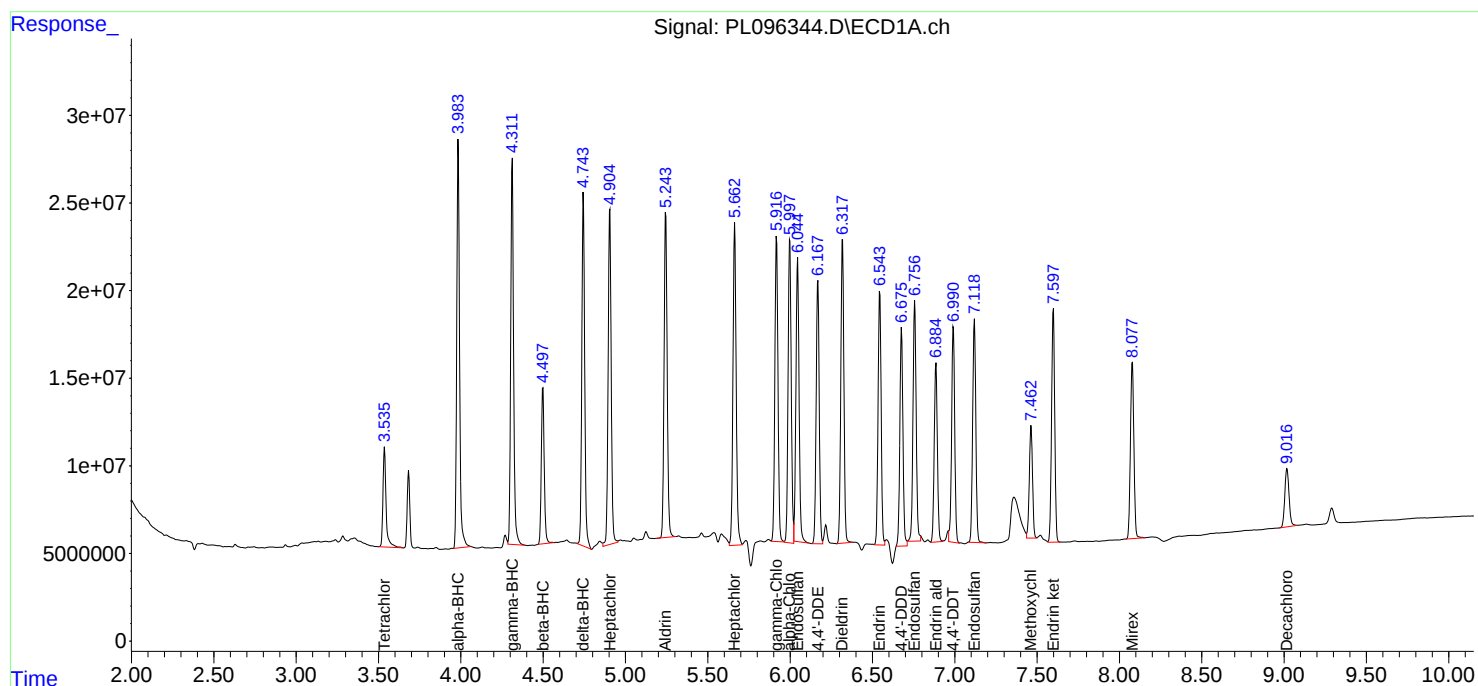
Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

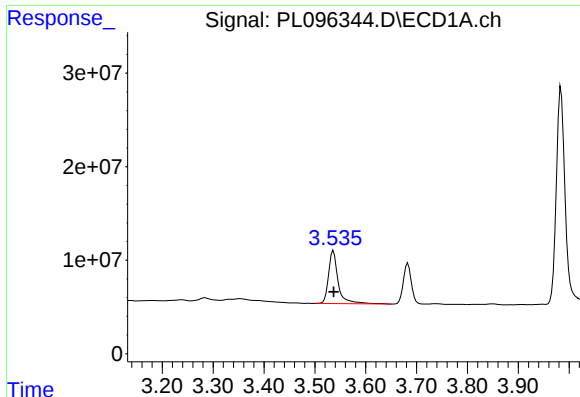
Manual Integrations
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Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 11 22:50:16 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
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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





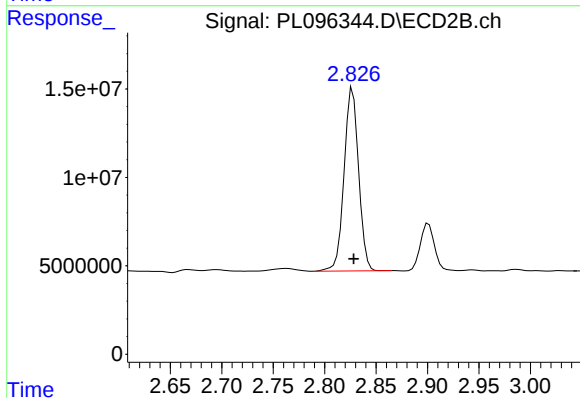
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 74258132
Conc: 20.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

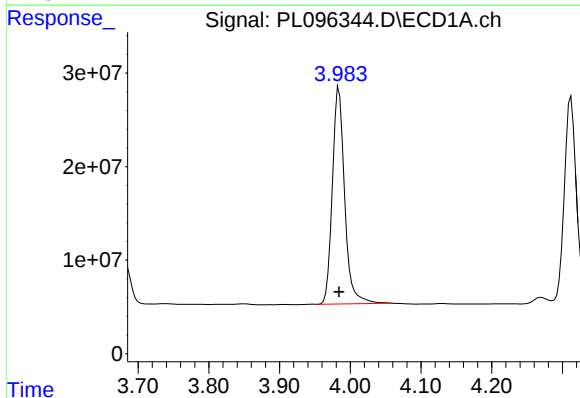
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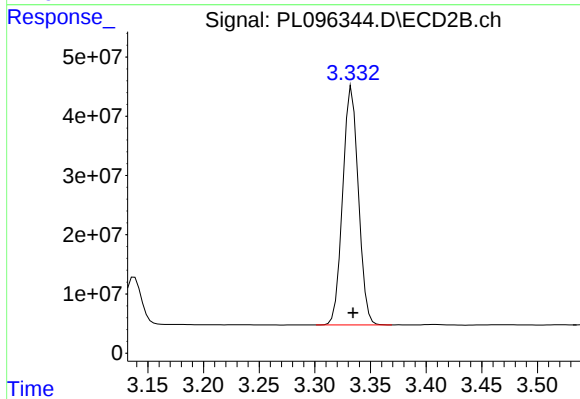
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 101557433
Conc: 17.60 ng/ml



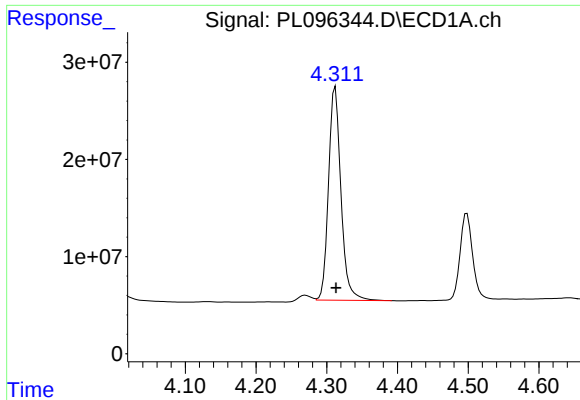
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 280052363
Conc: 54.45 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 393942566
Conc: 46.71 ng/ml



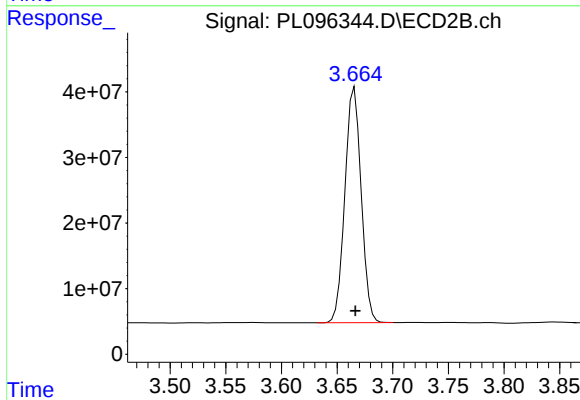
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 267796316
Conc: 53.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

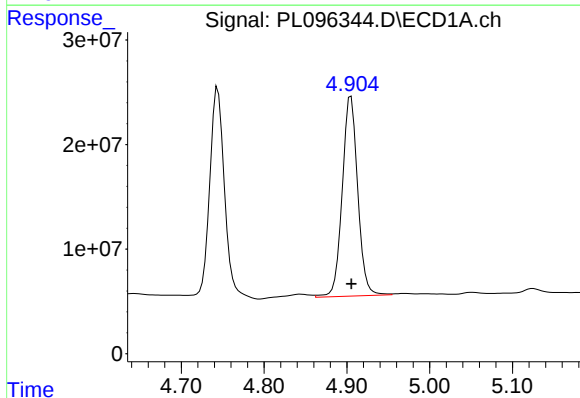
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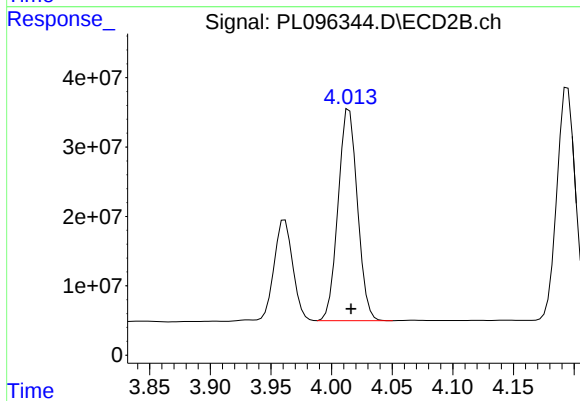
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 364910816
Conc: 46.33 ng/ml



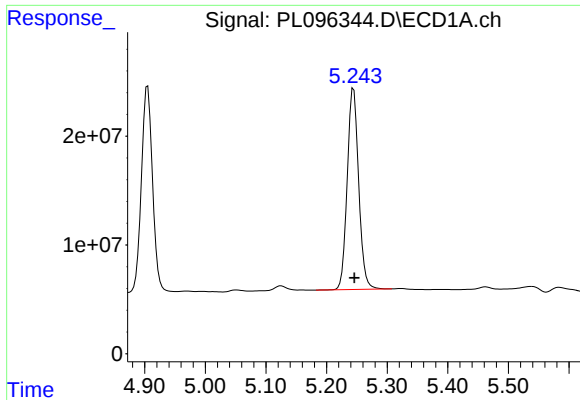
#4 Heptachlor

R.T.: 4.905 min
Delta R.T.: 0.000 min
Response: 248197309
Conc: 54.18 ng/ml



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 338052462
Conc: 44.44 ng/ml



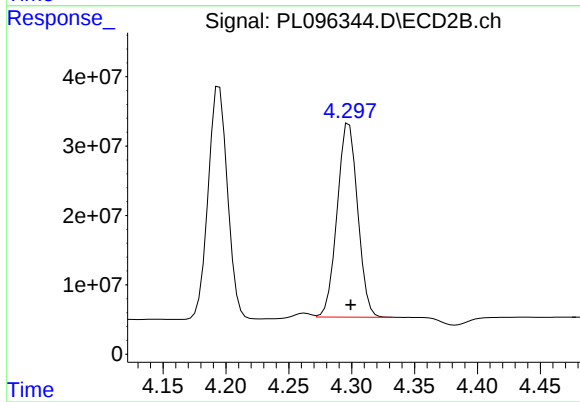
#5 Aldrin

R.T.: 5.245 min
Delta R.T.: -0.001 min
Response: 242899989
Conc: 50.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

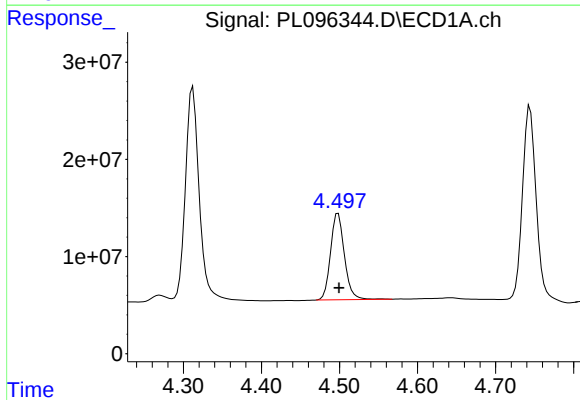
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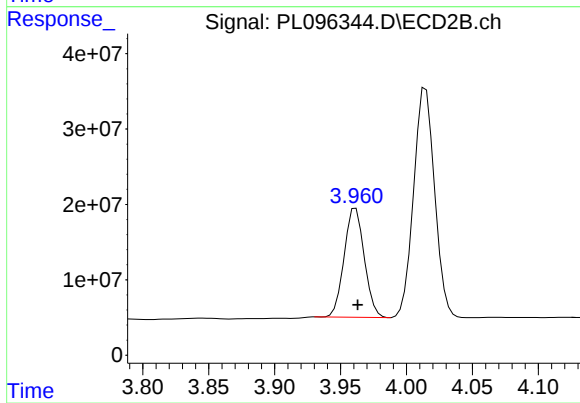
#5 Aldrin

R.T.: 4.297 min
Delta R.T.: -0.003 min
Response: 316861683
Conc: 43.43 ng/ml m



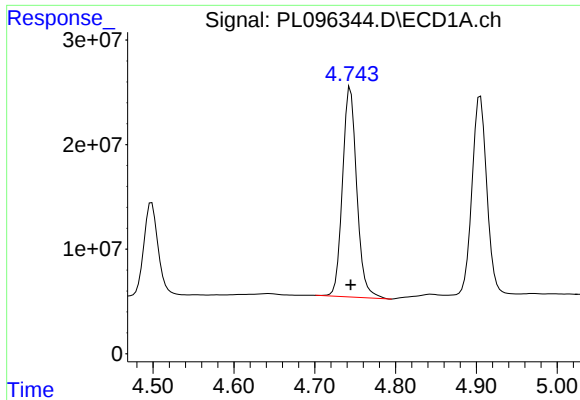
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 109704746
Conc: 52.77 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 153848659
Conc: 44.93 ng/ml



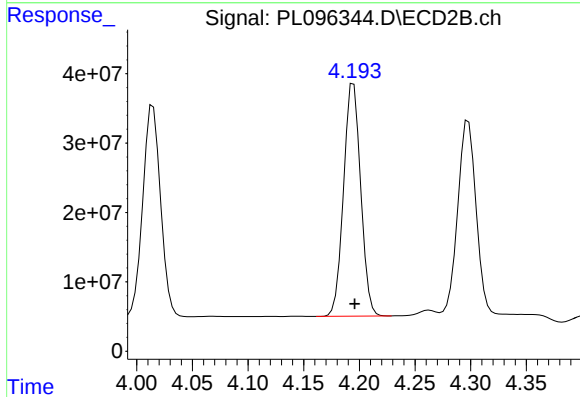
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 246445543
Conc: 54.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

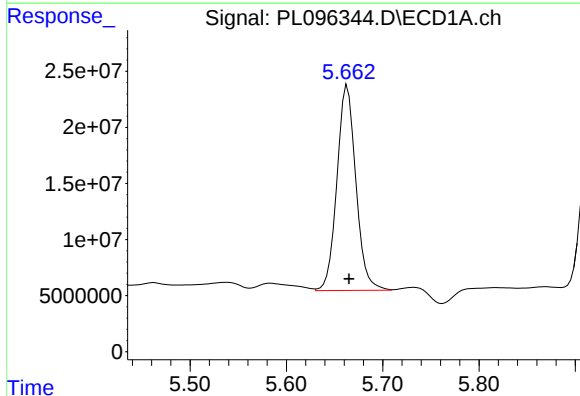
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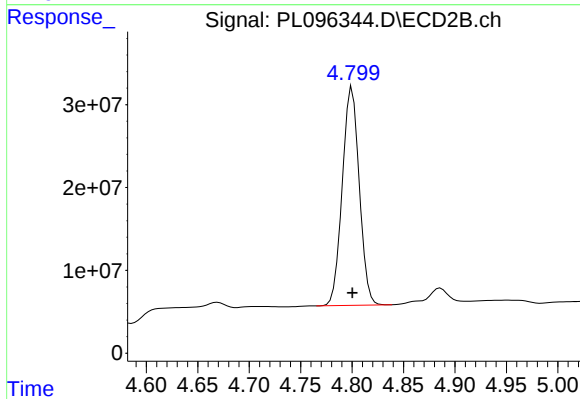
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: -0.001 min
Response: 358583050
Conc: 46.56 ng/ml



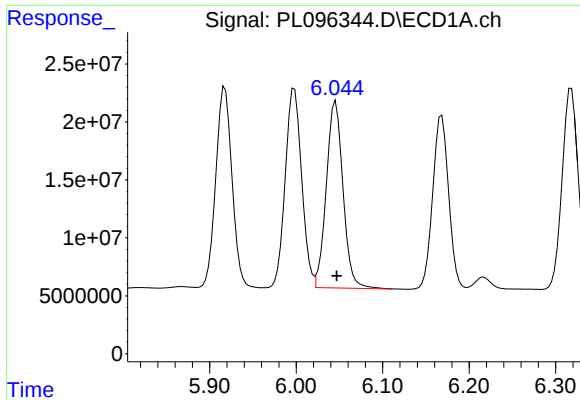
#8 Heptachlor epoxide

R.T.: 5.662 min
Delta R.T.: -0.003 min
Response: 249825950
Conc: 60.21 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.800 min
Delta R.T.: 0.000 min
Response: 302873034
Conc: 45.31 ng/ml



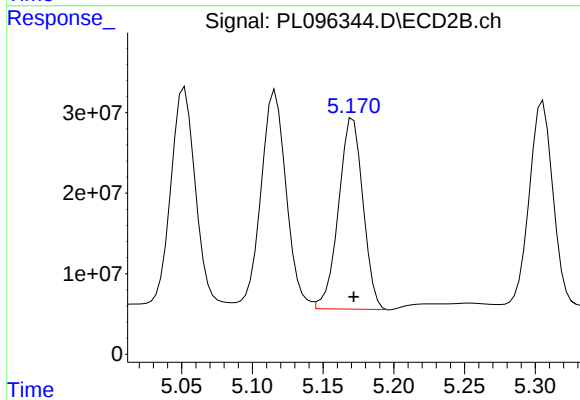
#9 Endosulfan I

R.T.: 6.044 min
Delta R.T.: -0.002 min
Response: 215263094
Conc: 53.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

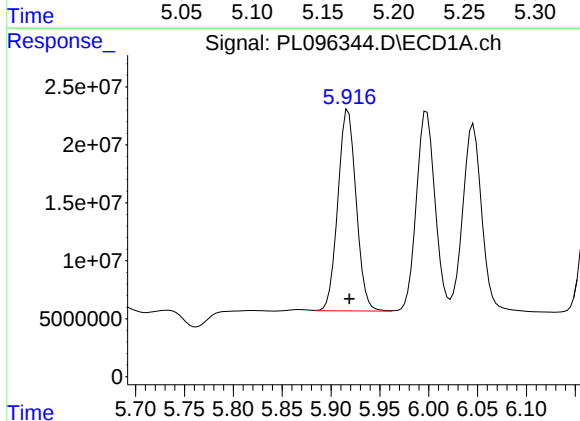
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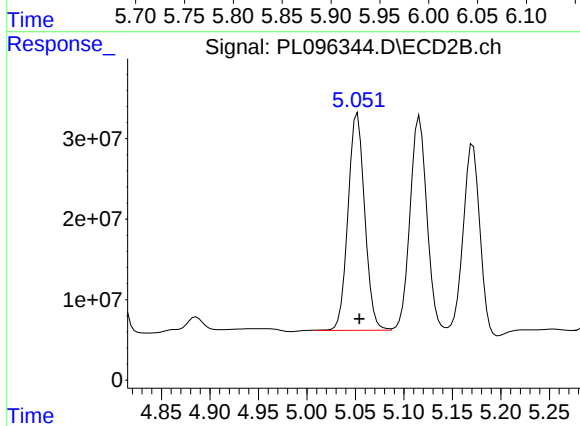
#9 Endosulfan I

R.T.: 5.171 min
Delta R.T.: 0.000 min
Response: 285941320
Conc: 39.86 ng/ml



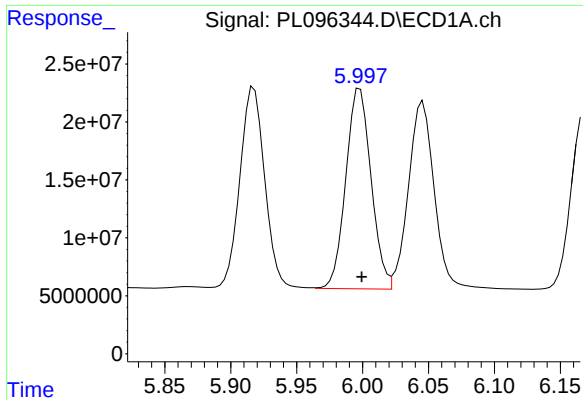
#10 gamma-Chlordane

R.T.: 5.916 min
Delta R.T.: -0.003 min
Response: 226712182
Conc: 51.24 ng/ml m



#10 gamma-Chlordane

R.T.: 5.051 min
Delta R.T.: -0.003 min
Response: 323229639
Conc: 46.05 ng/ml m



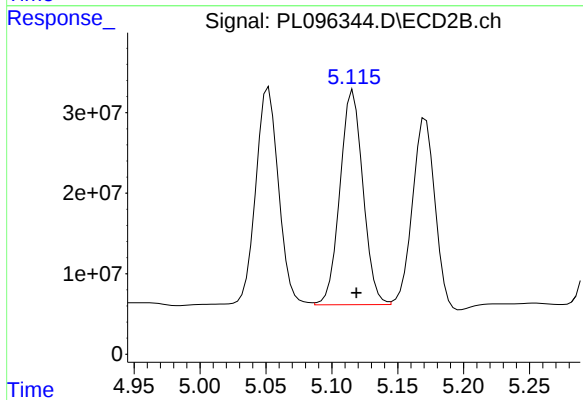
#11 alpha-Chlordane

R.T.: 5.997 min
Delta R.T.: -0.003 min
Response: 233445471
Conc: 53.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

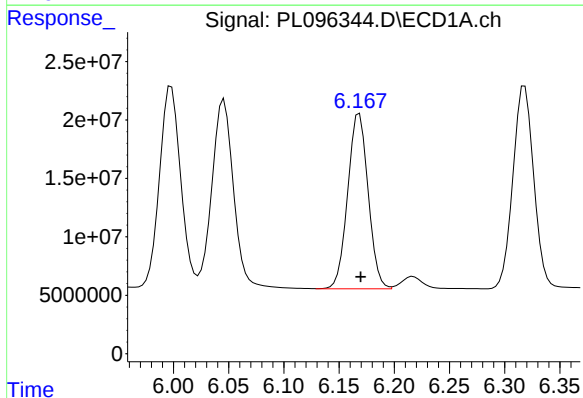
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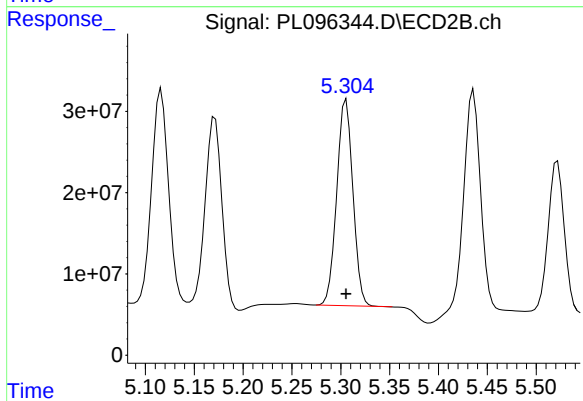
#11 alpha-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.004 min
Response: 321830927
Conc: 42.80 ng/ml m



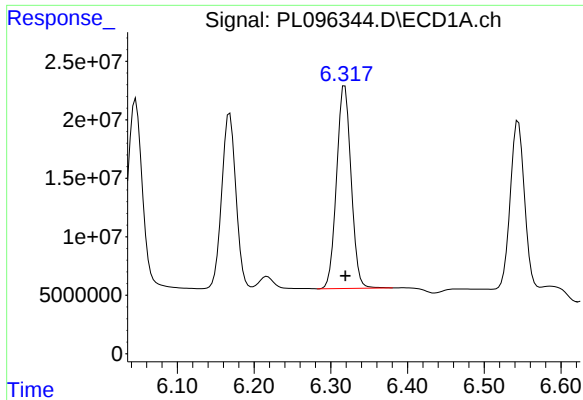
#12 4,4'-DDE

R.T.: 6.167 min
Delta R.T.: -0.003 min
Response: 193095840
Conc: 52.08 ng/ml m



#12 4,4'-DDE

R.T.: 5.305 min
Delta R.T.: 0.000 min
Response: 292970240
Conc: 45.33 ng/ml



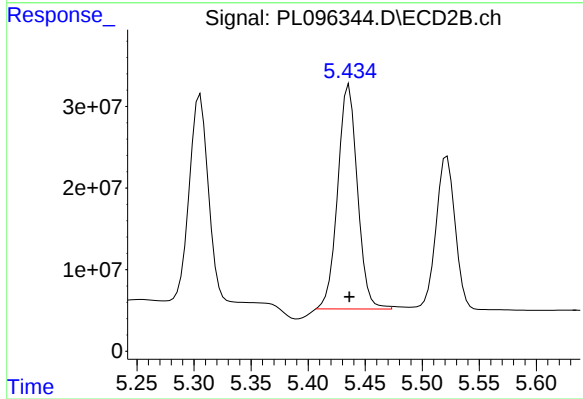
#13 Dieldrin

R.T.: 6.318 min
Delta R.T.: 0.000 min
Response: 228108995
Conc: 53.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

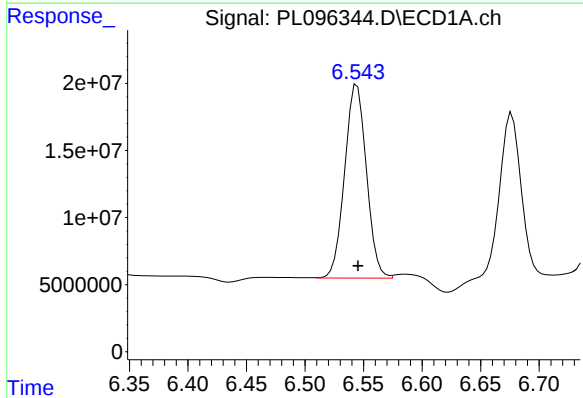
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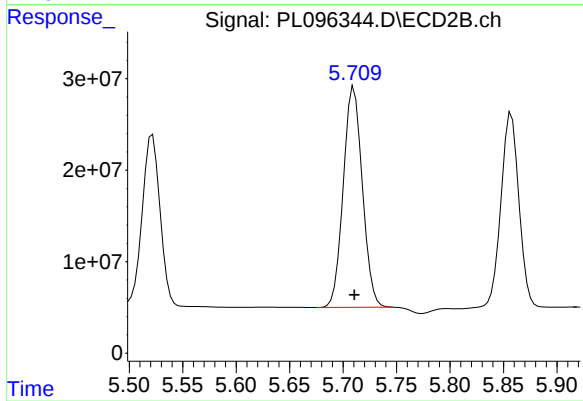
#13 Dieldrin

R.T.: 5.434 min
Delta R.T.: -0.002 min
Response: 331271539
Conc: 48.58 ng/ml m



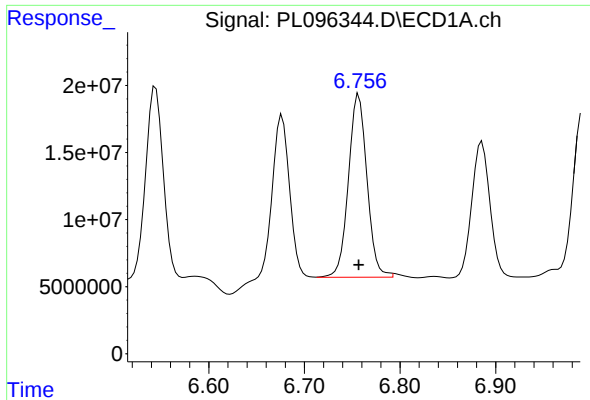
#14 Endrin

R.T.: 6.543 min
Delta R.T.: -0.002 min
Response: 186676527
Conc: 60.02 ng/ml m



#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 299843324
Conc: 49.18 ng/ml



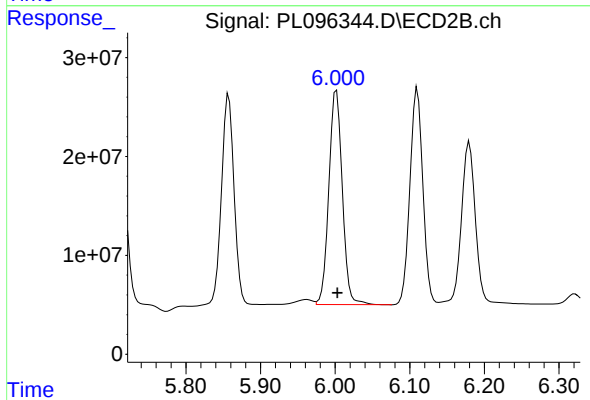
#15 Endosulfan II

R.T.: 6.756 min
Delta R.T.: -0.001 min
Response: 185100838
Conc: 53.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

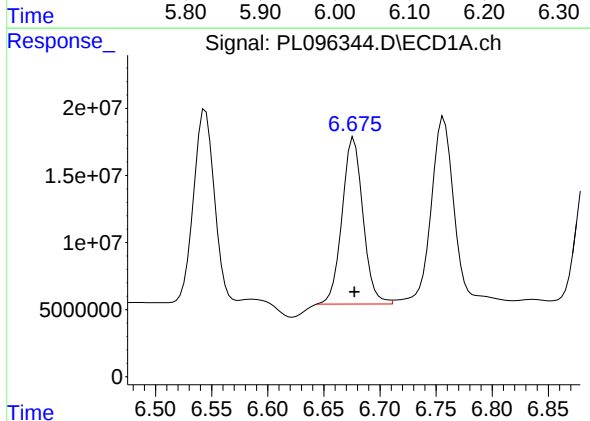
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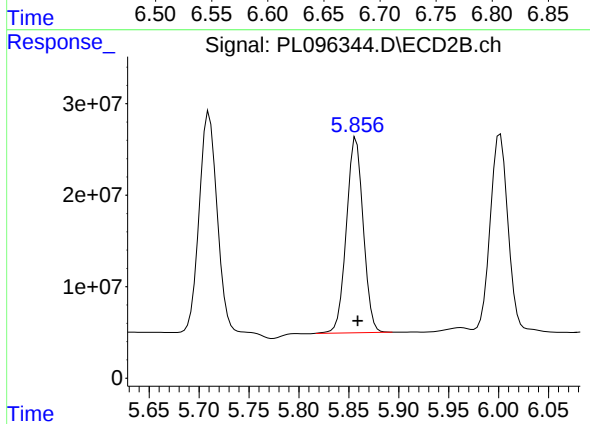
#15 Endosulfan II

R.T.: 6.002 min
Delta R.T.: 0.000 min
Response: 272430258
Conc: 46.46 ng/ml



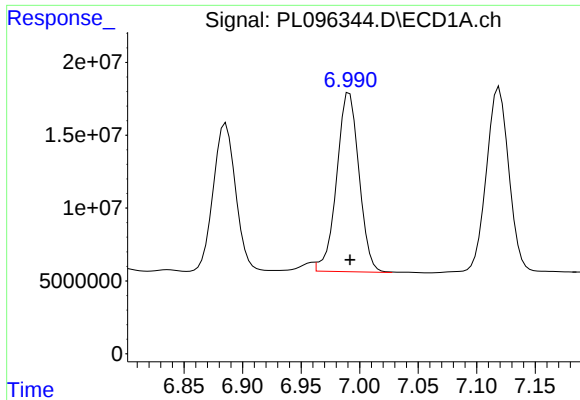
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 160607684
Conc: 55.16 ng/ml m



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 250219665
Conc: 48.79 ng/ml



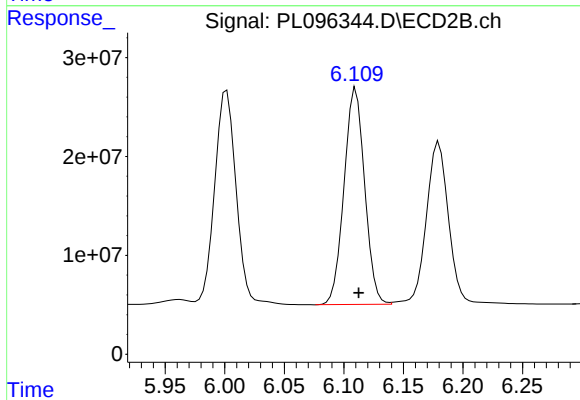
#17 4,4'-DDT

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 162507592
Conc: 53.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

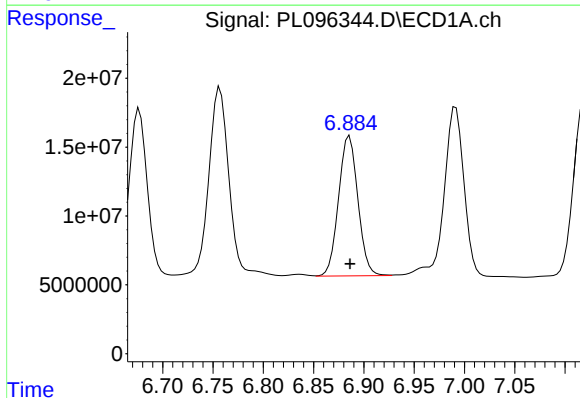
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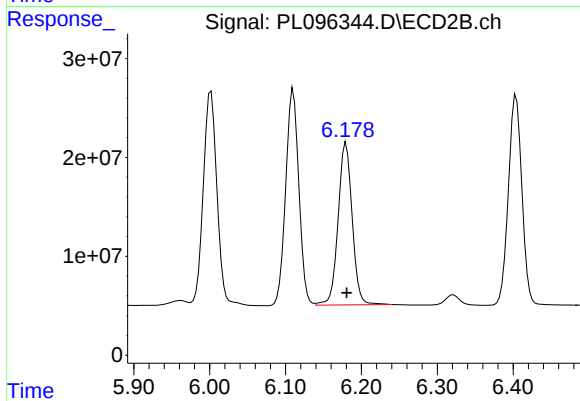
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.002 min
Response: 263602446
Conc: 45.96 ng/ml



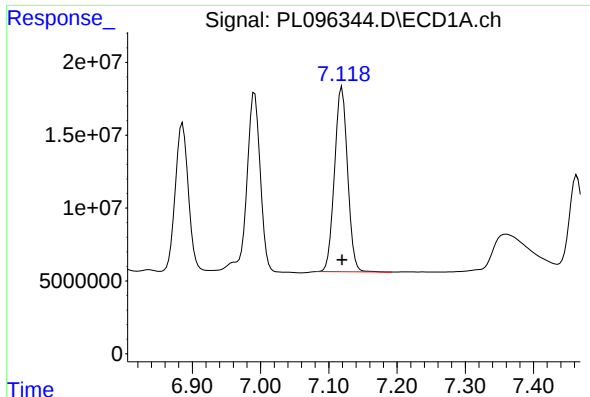
#18 Endrin aldehyde

R.T.: 6.884 min
Delta R.T.: -0.002 min
Response: 135511199
Conc: 60.62 ng/ml m



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 211824170
Conc: 47.55 ng/ml



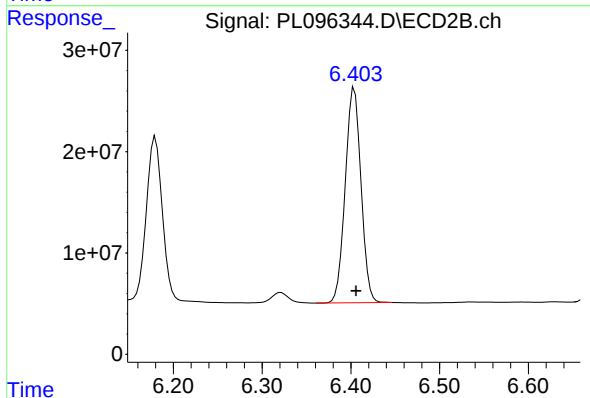
#19 Endosulfan Sulfate

R.T.: 7.119 min
Delta R.T.: 0.000 min
Response: 168680550
Conc: 55.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

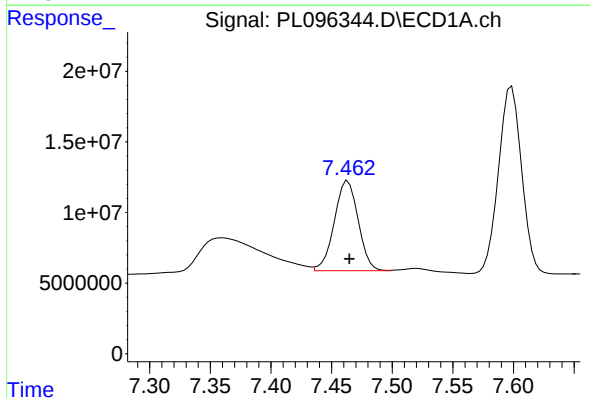
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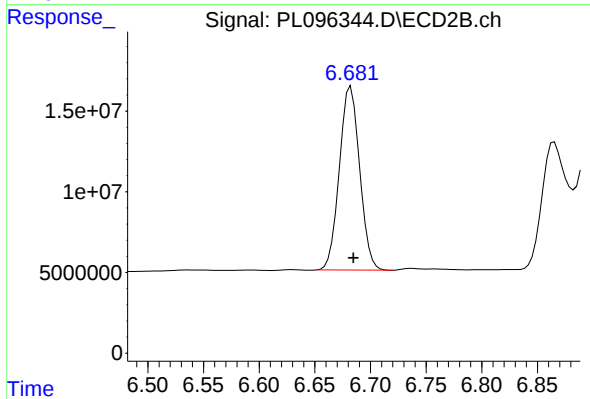
#19 Endosulfan Sulfate

R.T.: 6.404 min
Delta R.T.: -0.002 min
Response: 261854386
Conc: 46.56 ng/ml



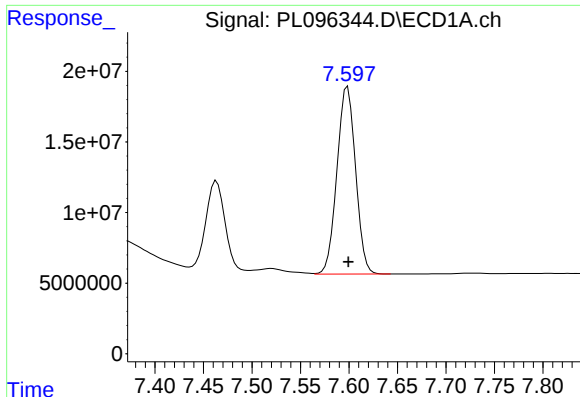
#20 Methoxychlor

R.T.: 7.462 min
Delta R.T.: -0.002 min
Response: 87232145
Conc: 55.37 ng/ml m



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.002 min
Response: 144351980
Conc: 47.52 ng/ml



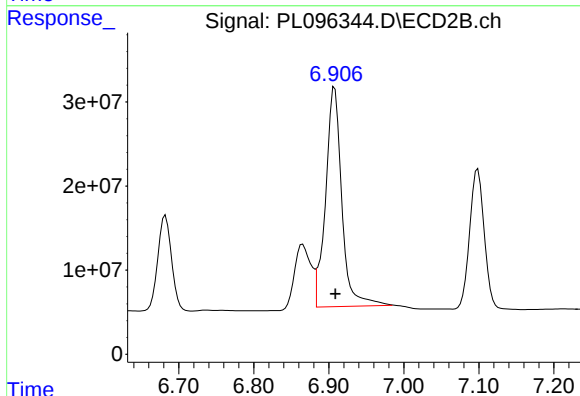
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 177189151
Conc: 53.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

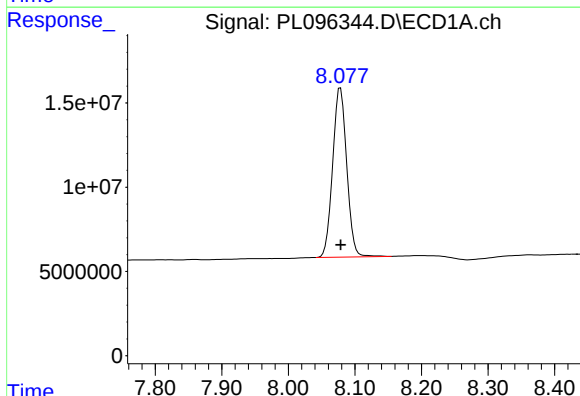
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



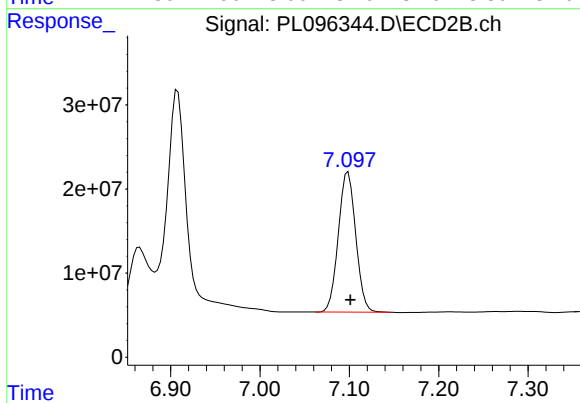
#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 390089232
Conc: 62.39 ng/ml m



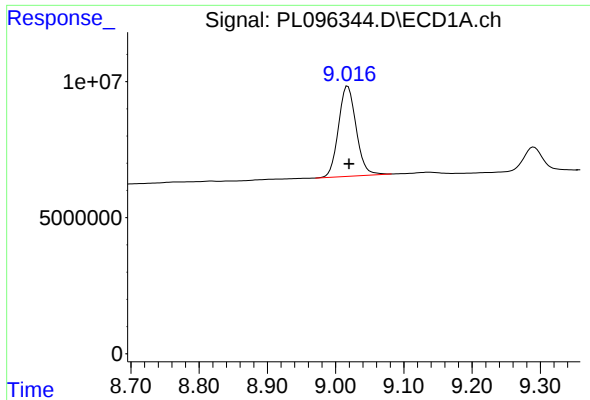
#22 Mirex

R.T.: 8.078 min
Delta R.T.: 0.000 min
Response: 147544209
Conc: 53.03 ng/ml



#22 Mirex

R.T.: 7.099 min
Delta R.T.: -0.002 min
Response: 225421893
Conc: 45.37 ng/ml



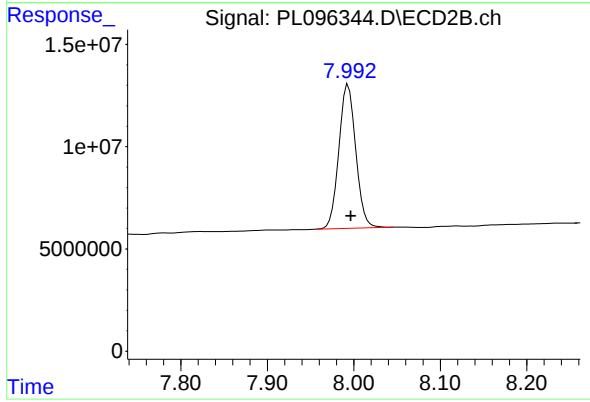
#28 Decachlorobiphenyl

R.T.: 9.018 min
Delta R.T.: -0.002 min
Response: 59632795
Conc: 21.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/14/2025
Supervised By :mohammad ahmed 07/15/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 94996314
Conc: 19.05 ng/ml