

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
 Data File : PL096310.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jul 2025 15:39
 Operator : AR\AJ
 Sample : Q2489-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/11/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 23:02:37 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	2.829	67535498	102.0E6	18.508	17.672
28)	SA Decachlor...	9.020	7.996	57993236	93251081	20.616	18.701
Target Compounds							
2)	A alpha-BHC	3.985	3.335	252.6E6	383.6E6	49.118	45.486
3)	MA gamma-BHC...	4.314	3.667	242.9E6	357.7E6	48.777	45.422
4)	MA Heptachlor	4.906	4.016	231.6E6	337.1E6	50.559	44.306
5)	MB Aldrin	5.246	4.299	228.1E6	322.0E6	47.199	44.130
6)	B beta-BHC	4.500	3.963	99260133	149.3E6	47.749	43.592
7)	B delta-BHC	4.746	4.196	228.2E6	350.7E6	50.912	45.532
8)	B Heptachlo...	5.666	4.802	218.1E6	299.2E6	52.561	44.755
9)	A Endosulfan I	6.047	5.173	198.5E6	280.0E6	49.156	39.036
10)	B gamma-Chl...	5.919	5.054	212.7E6	311.9E6	48.078	44.438
11)	B alpha-Chl...	6.000	5.118	212.2E6	307.6E6	48.449	40.902
12)	B 4,4'-DDE	6.169	5.307	181.6E6	290.9E6	48.988	45.006
13)	MA Dieldrin	6.319	5.438	209.1E6	309.9E6	49.451	45.449
14)	MA Endrin	6.545	5.712	162.9E6	268.7E6	52.387	44.082
15)	B Endosulfa...	6.758	6.004	168.4E6	265.7E6	48.537	45.316
16)	A 4,4'-DDD	6.677	5.859	148.9E6	249.4E6	51.127	48.628
17)	MA 4,4'-DDT	6.992	6.112	152.4E6	246.4E6	50.219	42.971
18)	B Endrin al...	6.887	6.182	126.6E6	205.4E6	56.623	46.114
19)	B Endosulfa...	7.120	6.406	157.2E6	255.1E6	51.404	45.360
20)	A Methoxychlor	7.463	6.685	74704339	130.7E6	47.419m	43.038
21)	B Endrin ke...	7.600	6.908	165.2E6	289.7E6	50.032	46.335m
22)	Mirex	8.080	7.101	135.6E6	219.9E6	48.749	44.254

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
Data File : PL096310.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 15:39
Operator : AR\AJ
Sample : Q2489-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

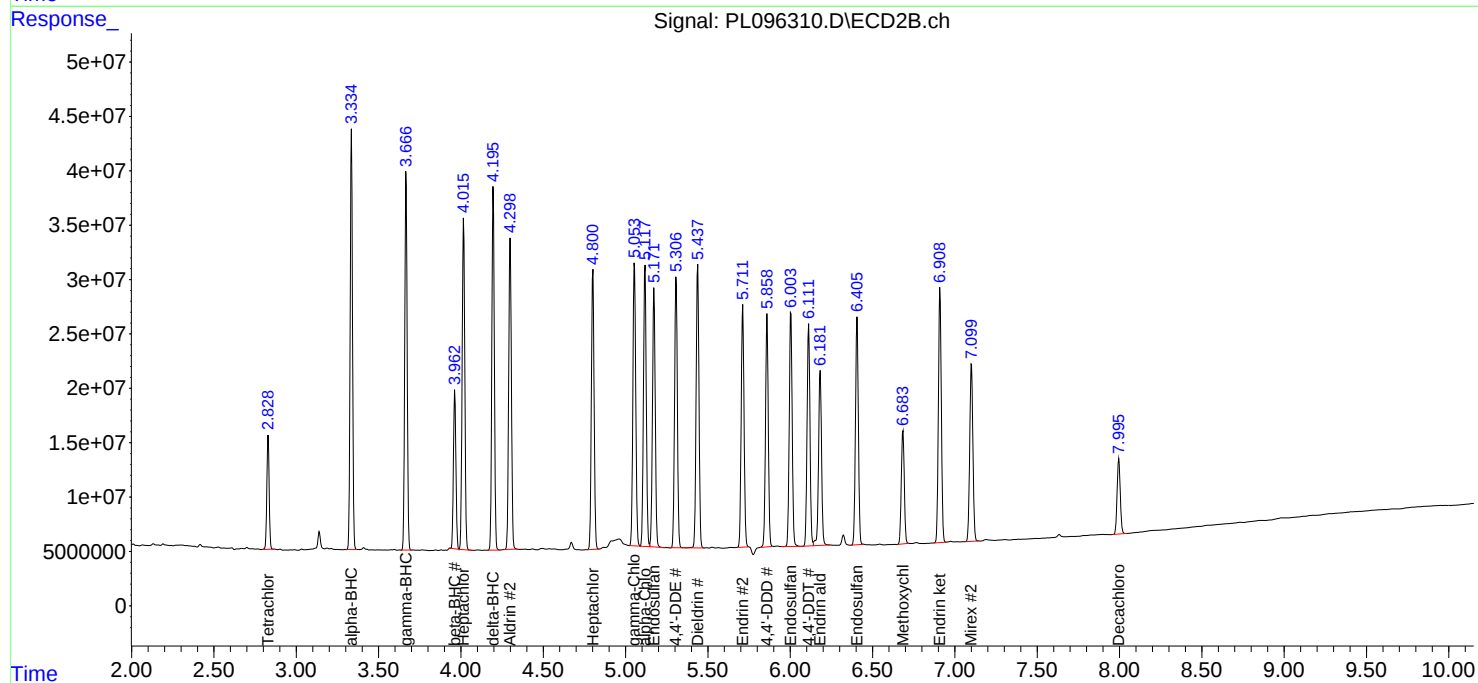
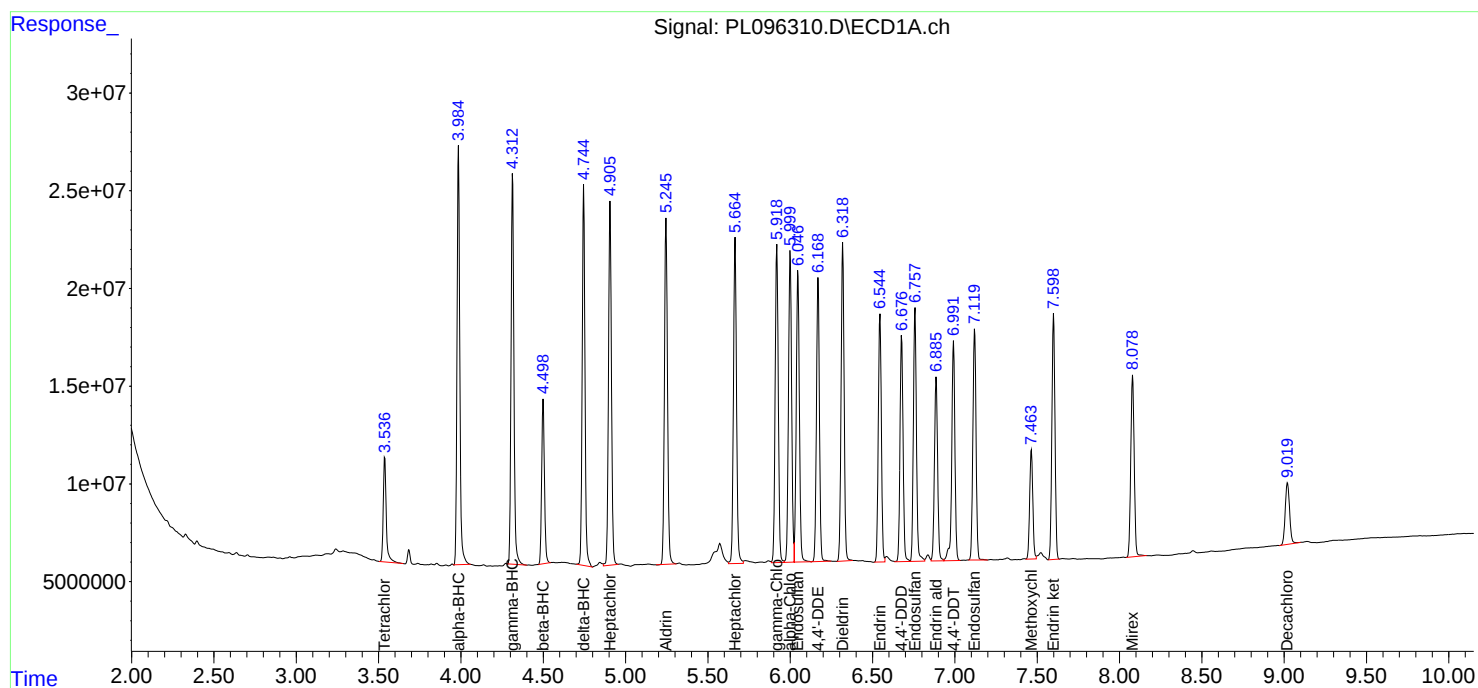
Instrument :
ECD_L
ClientSampleId :
G4(0-6)MSD

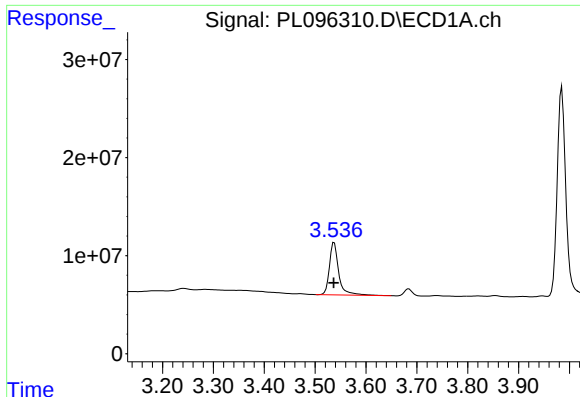
Manual Integrations
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Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:02:37 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 2025
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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





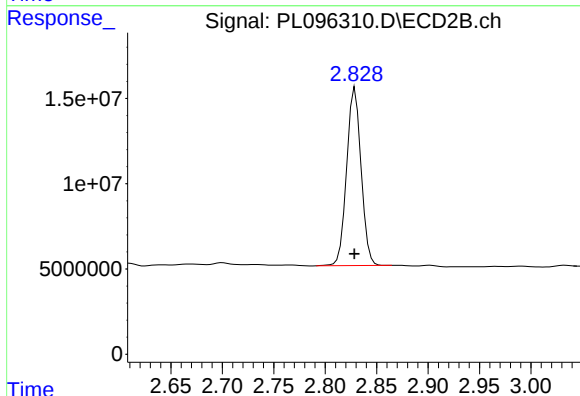
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 67535498
Conc: 18.51 ng/ml

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

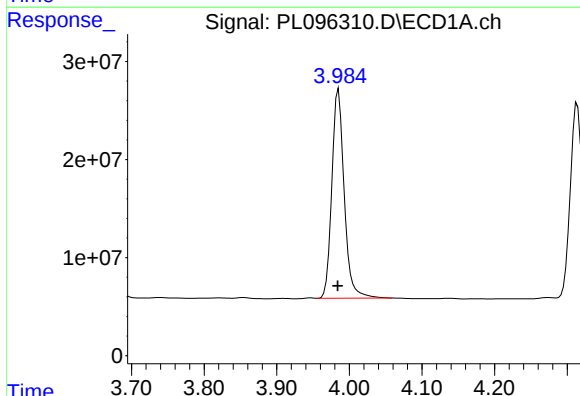
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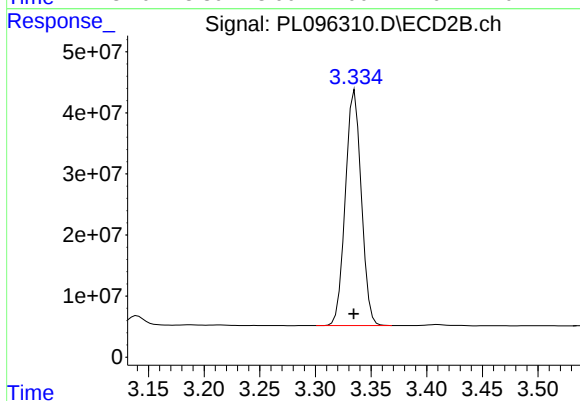
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 101989921
Conc: 17.67 ng/ml



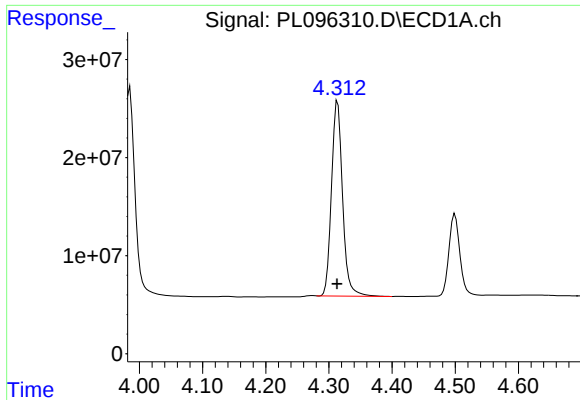
#2 alpha-BHC

R.T.: 3.985 min
Delta R.T.: 0.000 min
Response: 252622268
Conc: 49.12 ng/ml



#2 alpha-BHC

R.T.: 3.335 min
Delta R.T.: 0.000 min
Response: 383646085
Conc: 45.49 ng/ml



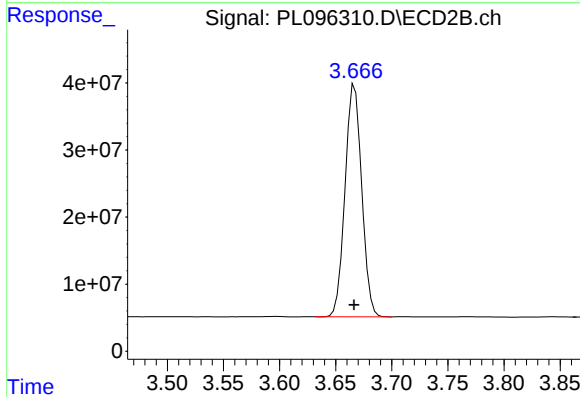
#3 gamma-BHC (Lindane)

R.T.: 4.314 min
Delta R.T.: 0.000 min
Response: 242894724
Conc: 48.78 ng/ml

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

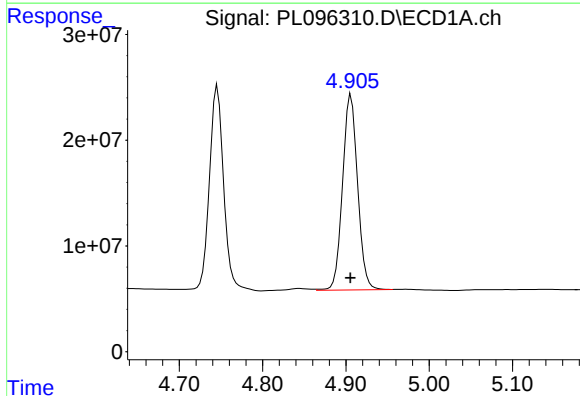
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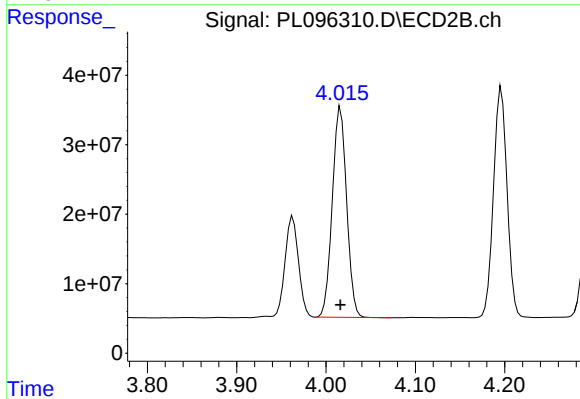
#3 gamma-BHC (Lindane)

R.T.: 3.667 min
Delta R.T.: 0.000 min
Response: 357736924
Conc: 45.42 ng/ml



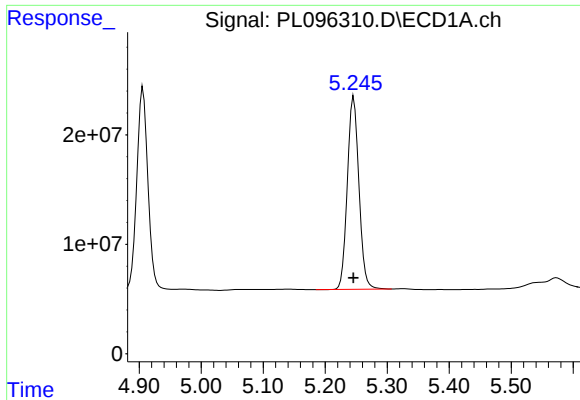
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 231623025
Conc: 50.56 ng/ml



#4 Heptachlor

R.T.: 4.016 min
Delta R.T.: 0.000 min
Response: 337067058
Conc: 44.31 ng/ml



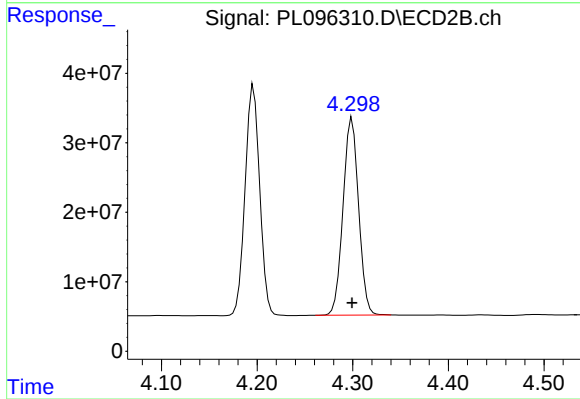
#5 Aldrin

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 228147746
Conc: 47.20 ng/ml

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

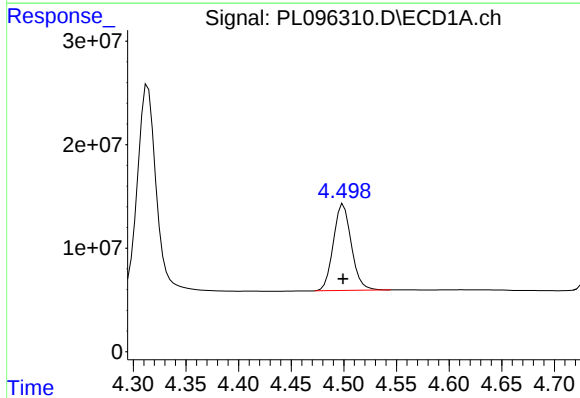
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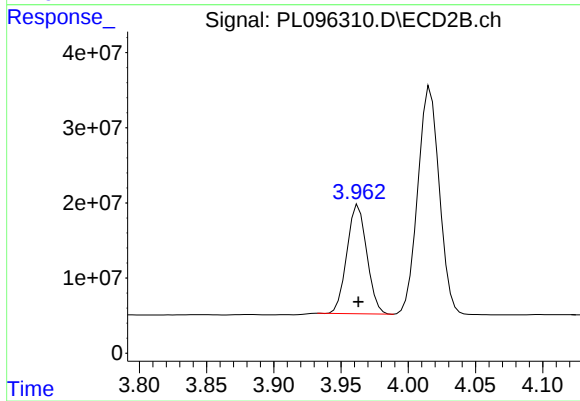
#5 Aldrin

R.T.: 4.299 min
Delta R.T.: 0.000 min
Response: 321952040
Conc: 44.13 ng/ml



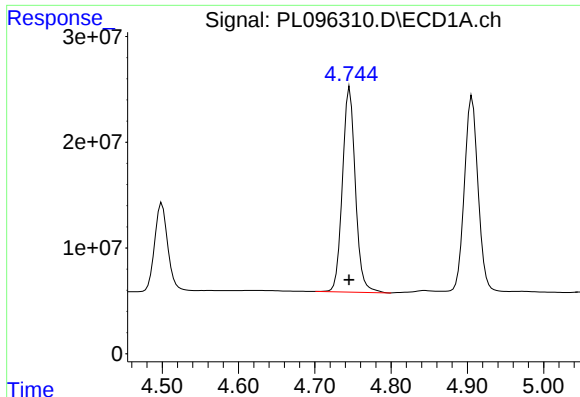
#6 beta-BHC

R.T.: 4.500 min
Delta R.T.: 0.000 min
Response: 99260133
Conc: 47.75 ng/ml



#6 beta-BHC

R.T.: 3.963 min
Delta R.T.: 0.000 min
Response: 149253610
Conc: 43.59 ng/ml



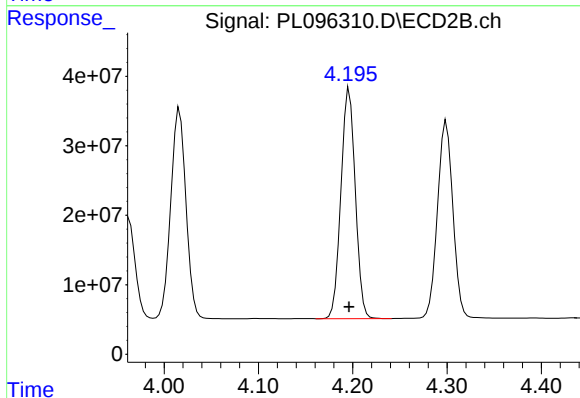
#7 delta-BHC

R.T.: 4.746 min
Delta R.T.: 0.001 min
Response: 228151184
Conc: 50.91 ng/ml

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

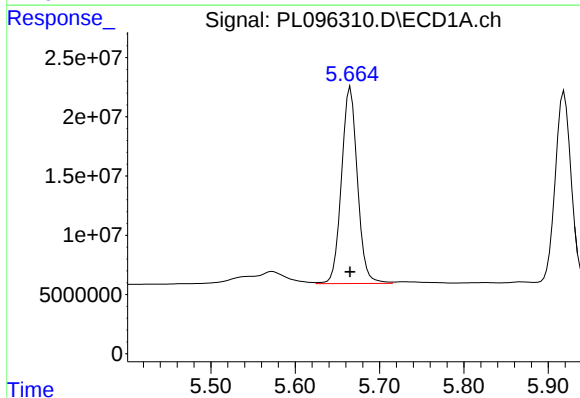
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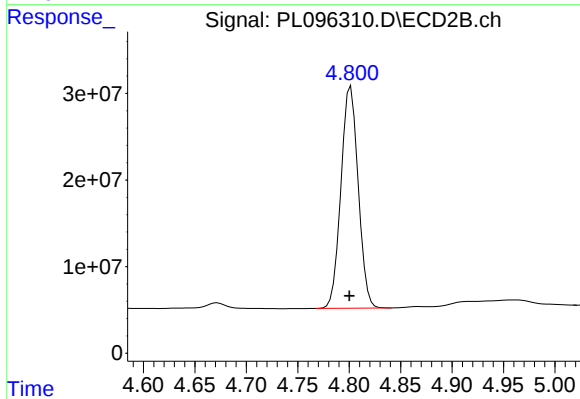
#7 delta-BHC

R.T.: 4.196 min
Delta R.T.: 0.000 min
Response: 350686178
Conc: 45.53 ng/ml



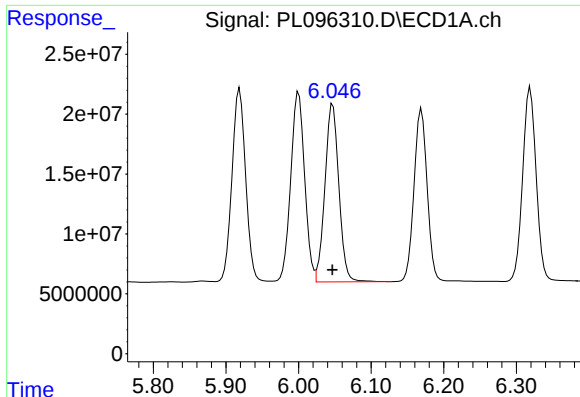
#8 Heptachlor epoxide

R.T.: 5.666 min
Delta R.T.: 0.000 min
Response: 218084686
Conc: 52.56 ng/ml



#8 Heptachlor epoxide

R.T.: 4.802 min
Delta R.T.: 0.001 min
Response: 299181671
Conc: 44.75 ng/ml



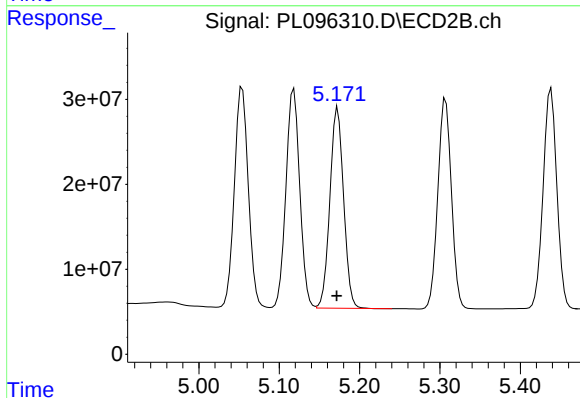
#9 Endosulfan I

R.T.: 6.047 min
Delta R.T.: 0.000 min
Response: 198453164
Conc: 49.16 ng/ml

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

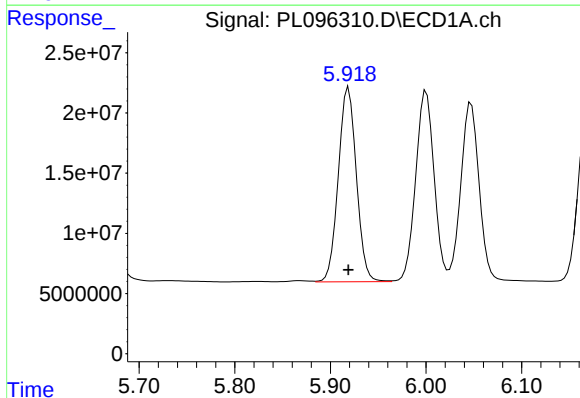
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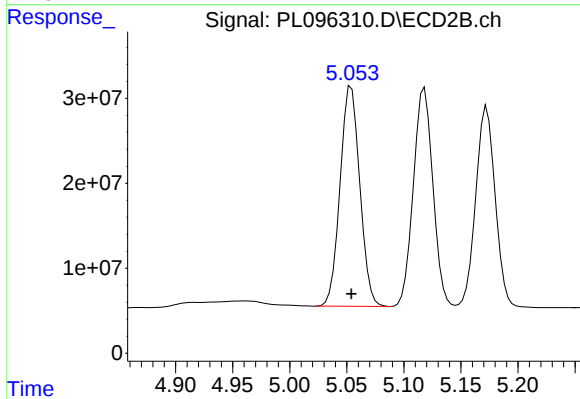
#9 Endosulfan I

R.T.: 5.173 min
Delta R.T.: 0.001 min
Response: 280048513
Conc: 39.04 ng/ml



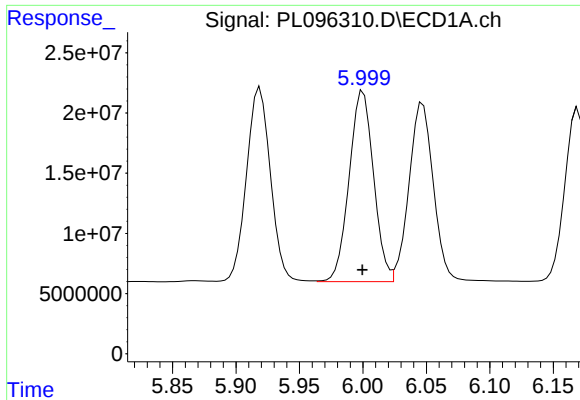
#10 gamma-Chlordane

R.T.: 5.919 min
Delta R.T.: 0.000 min
Response: 212737454
Conc: 48.08 ng/ml



#10 gamma-Chlordane

R.T.: 5.054 min
Delta R.T.: 0.000 min
Response: 311943877
Conc: 44.44 ng/ml



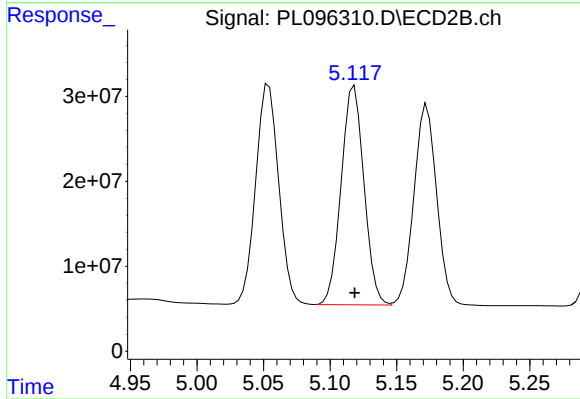
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 212151121
Conc: 48.45 ng/ml

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

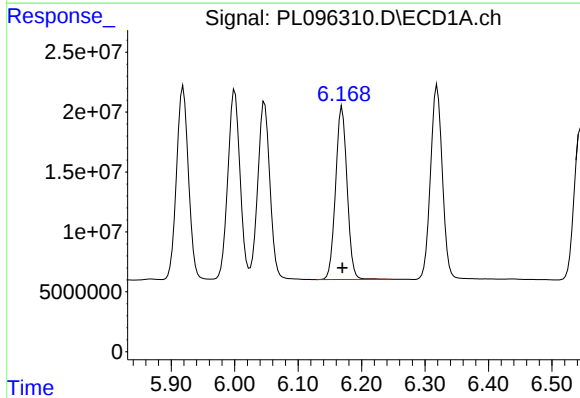
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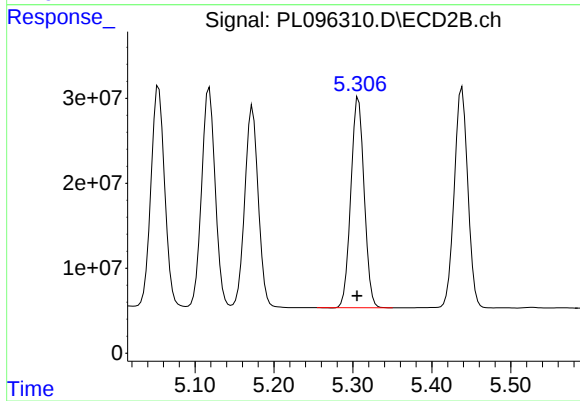
#11 alpha-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 307589409
Conc: 40.90 ng/ml



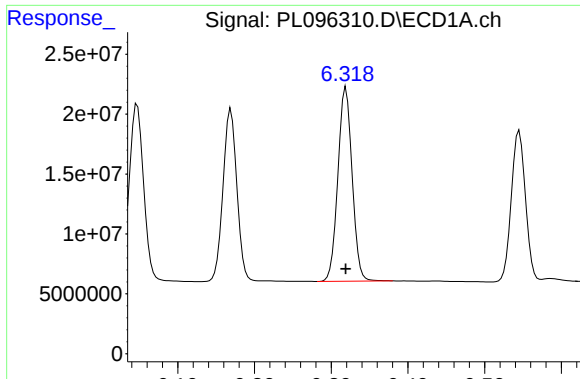
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 181622601
Conc: 48.99 ng/ml



#12 4,4'-DDE

R.T.: 5.307 min
Delta R.T.: 0.002 min
Response: 290901941
Conc: 45.01 ng/ml



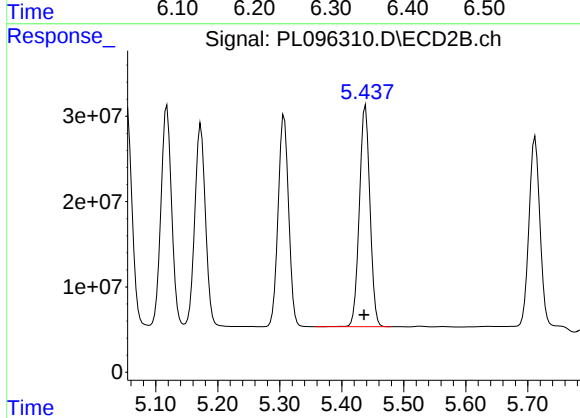
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 209099362
Conc: 49.45 ng/ml

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

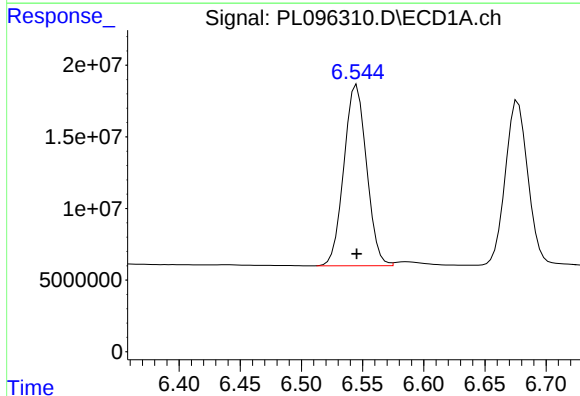
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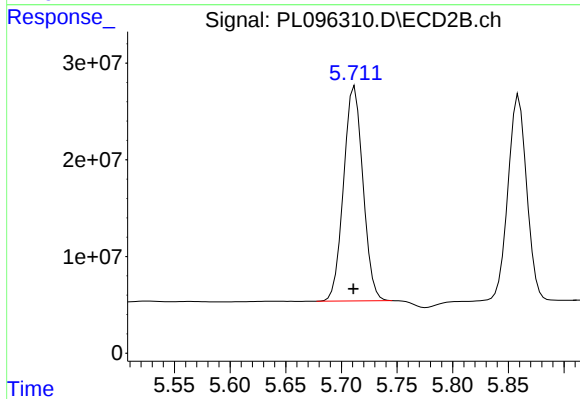
#13 Dieldrin

R.T.: 5.438 min
Delta R.T.: 0.002 min
Response: 309928048
Conc: 45.45 ng/ml



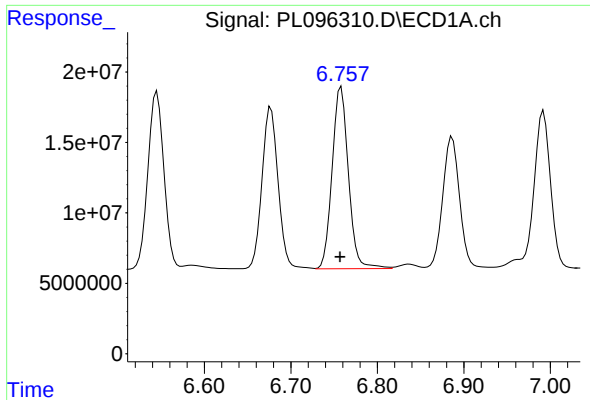
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 162934864
Conc: 52.39 ng/ml



#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.001 min
Response: 268745052
Conc: 44.08 ng/ml



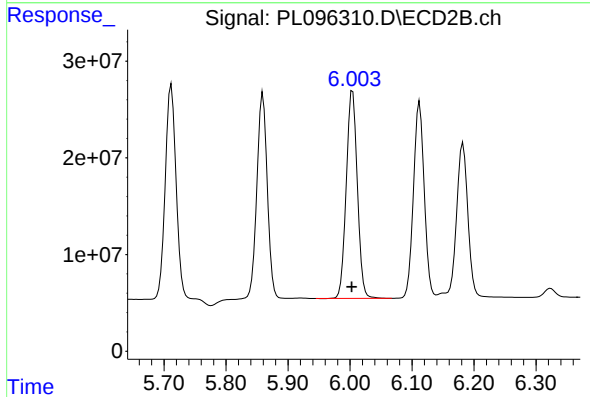
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 168426685
Conc: 48.54 ng/ml

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

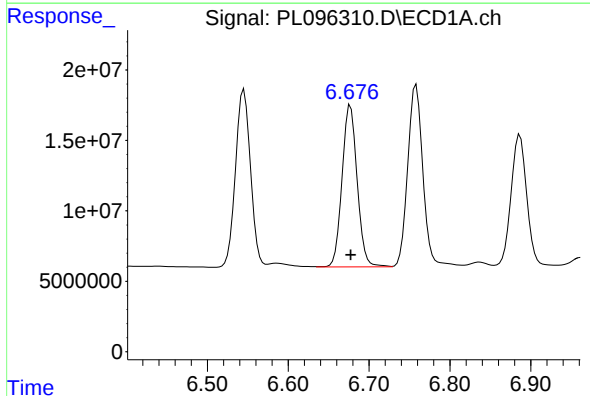
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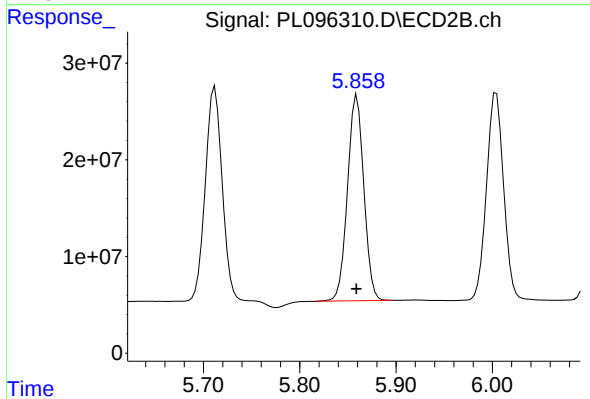
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.001 min
Response: 265726996
Conc: 45.32 ng/ml



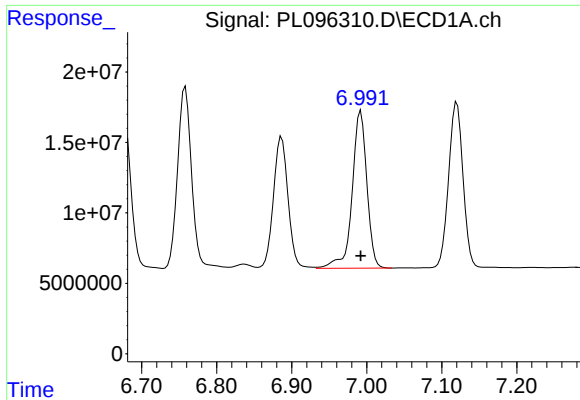
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 148865687
Conc: 51.13 ng/ml



#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 249396015
Conc: 48.63 ng/ml



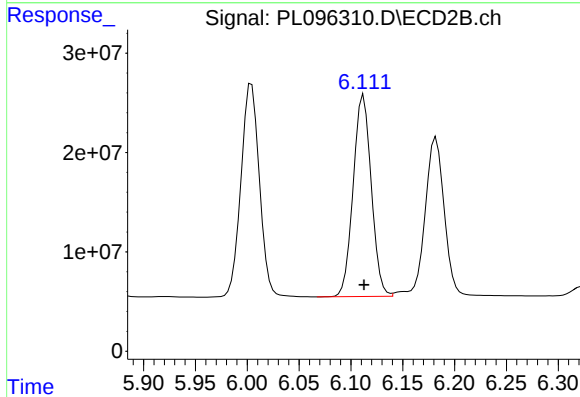
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 152425291
Conc: 50.22 ng/ml

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

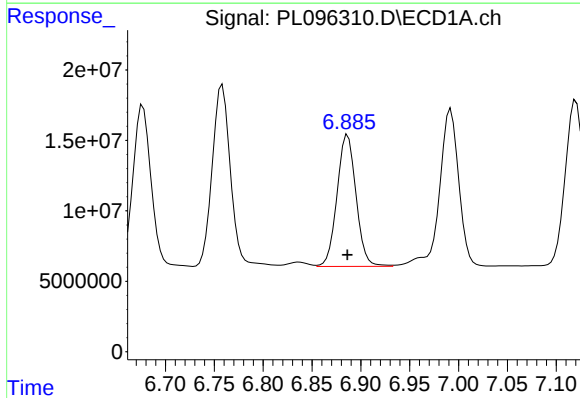
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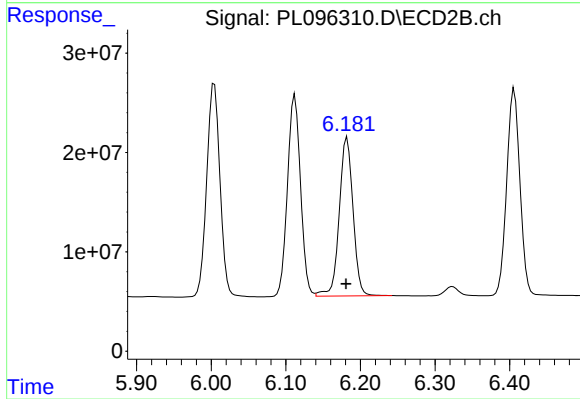
#17 4,4'-DDT

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 246443615
Conc: 42.97 ng/ml



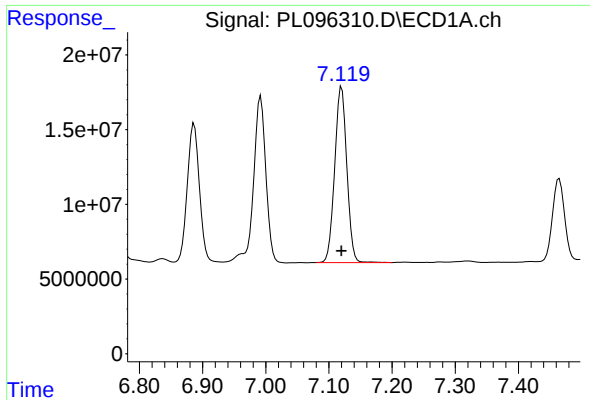
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 126583699
Conc: 56.62 ng/ml



#18 Endrin aldehyde

R.T.: 6.182 min
Delta R.T.: 0.001 min
Response: 205417770
Conc: 46.11 ng/ml



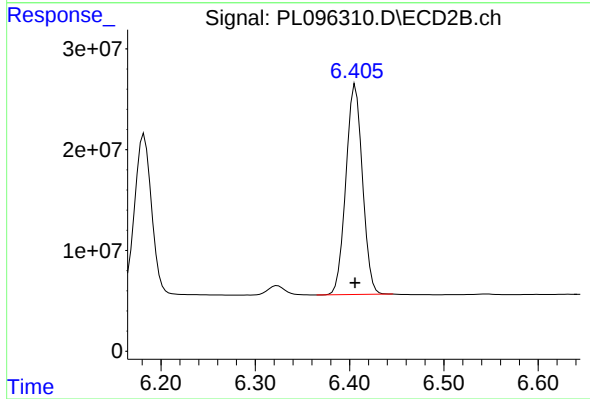
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 157237638
Conc: 51.40 ng/ml

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

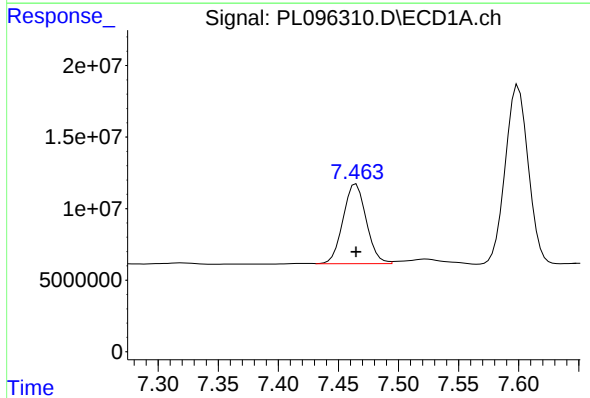
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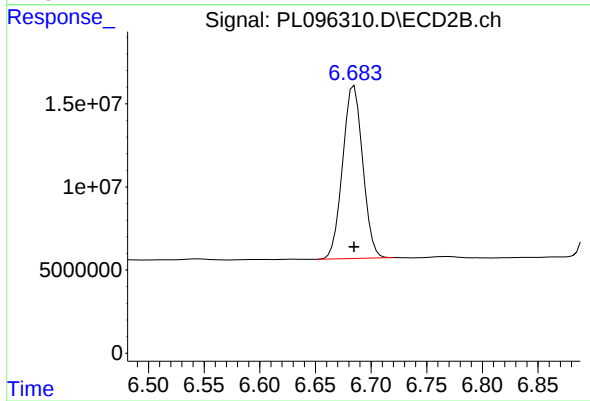
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 255121001
Conc: 45.36 ng/ml



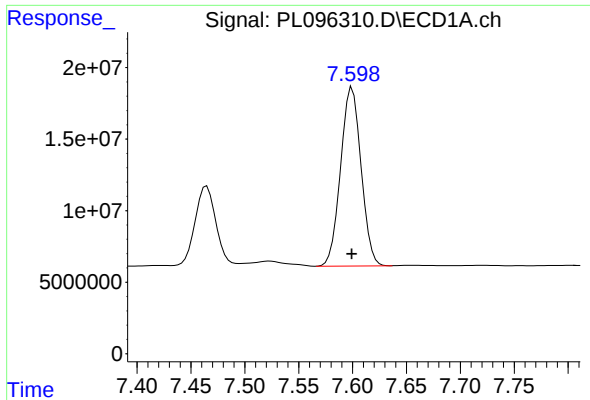
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 74704339
Conc: 47.42 ng/ml m



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 130740887
Conc: 43.04 ng/ml



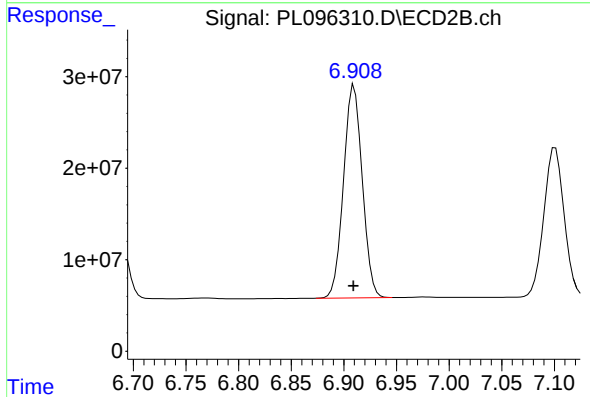
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 165186262
Conc: 50.03 ng/ml

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

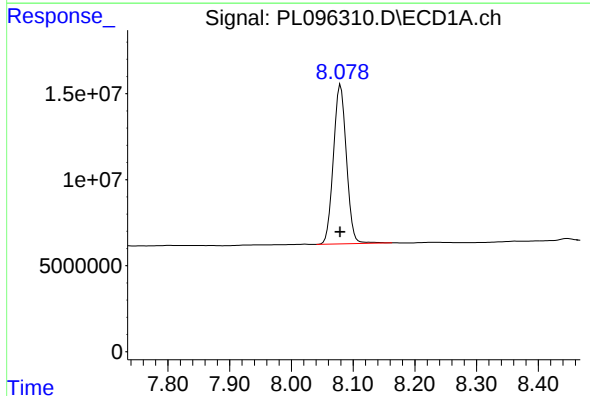
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



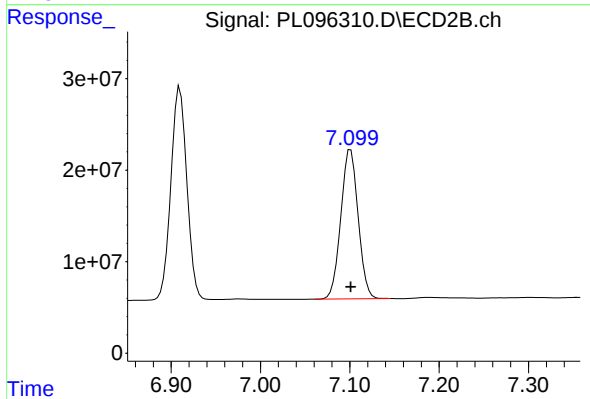
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 289696539
Conc: 46.33 ng/ml m



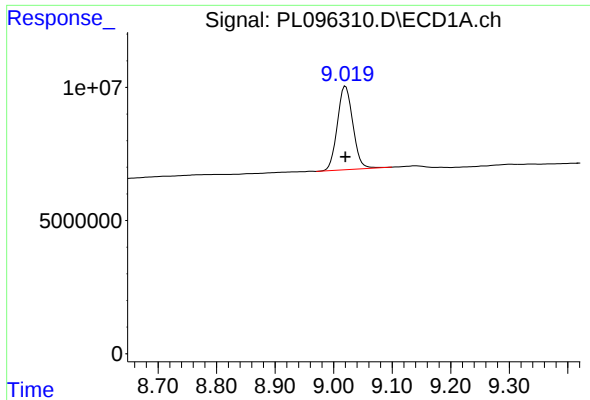
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.001 min
Response: 135629915
Conc: 48.75 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 219863454
Conc: 44.25 ng/ml



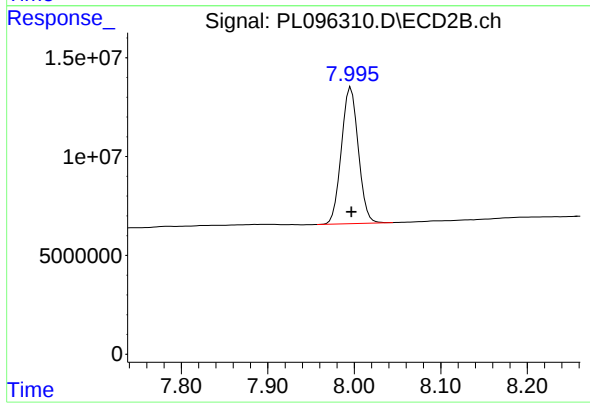
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 57993236
Conc: 20.62 ng/ml

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

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 93251081
Conc: 18.70 ng/ml