

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
 Data File : PL096306.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jul 2025 14:39
 Operator : AR\AJ
 Sample : PB168794BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168794BS

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 23:01:33 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	2.827	68511192	101.9E6	18.775	17.651
28)	SA Decachlor...	9.022	7.996	57234686	94040417	20.346	18.859
Target Compounds							
2)	A alpha-BHC	3.984	3.333	272.4E6	405.8E6	52.960	48.110
3)	MA gamma-BHC...	4.313	3.666	258.1E6	377.4E6	51.822	47.915
4)	MA Heptachlor	4.906	4.015	246.4E6	359.2E6	53.777	47.209
5)	MB Aldrin	5.246	4.298	247.9E6	348.7E6	51.287	47.793
6)	B beta-BHC	4.499	3.962	108.8E6	158.7E6	52.325	46.339
7)	B delta-BHC	4.745	4.195	237.2E6	369.3E6	52.933	47.952
8)	B Heptachlo...	5.665	4.801	226.9E6	321.4E6	54.694m	48.079
9)	A Endosulfan I	6.048	5.172	210.4E6	295.3E6	52.114	41.164
10)	B gamma-Chl...	5.920	5.053	228.6E6	333.1E6	51.669	47.450
11)	B alpha-Chl...	6.000	5.117	226.9E6	327.5E6	51.823	43.547
12)	B 4,4'-DDE	6.170	5.307	195.6E6	311.7E6	52.757	48.222
13)	MA Dieldrin	6.320	5.437	221.5E6	325.9E6	52.390	47.786
14)	MA Endrin	6.547	5.712	167.6E6	270.1E6	53.876	44.300
15)	B Endosulfa...	6.759	6.004	183.8E6	281.0E6	52.968	47.929
16)	A 4,4'-DDD	6.679	5.859	161.6E6	267.3E6	55.498	52.110
17)	MA 4,4'-DDT	6.994	6.112	160.9E6	260.7E6	53.020	45.459
18)	B Endrin al...	6.888	6.183	138.4E6	219.1E6	61.909	49.194
19)	B Endosulfa...	7.121	6.406	167.7E6	269.7E6	54.822	47.954
20)	A Methoxychlor	7.466	6.685	81052955	134.2E6	51.449	44.170
21)	B Endrin ke...	7.601	6.910	183.3E6	310.5E6	55.532	49.655
22)	Mirex	8.081	7.101	135.9E6	220.8E6	48.838	44.438

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071025\
Data File : PL096306.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 14:39
Operator : AR\AJ
Sample : PB168794BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

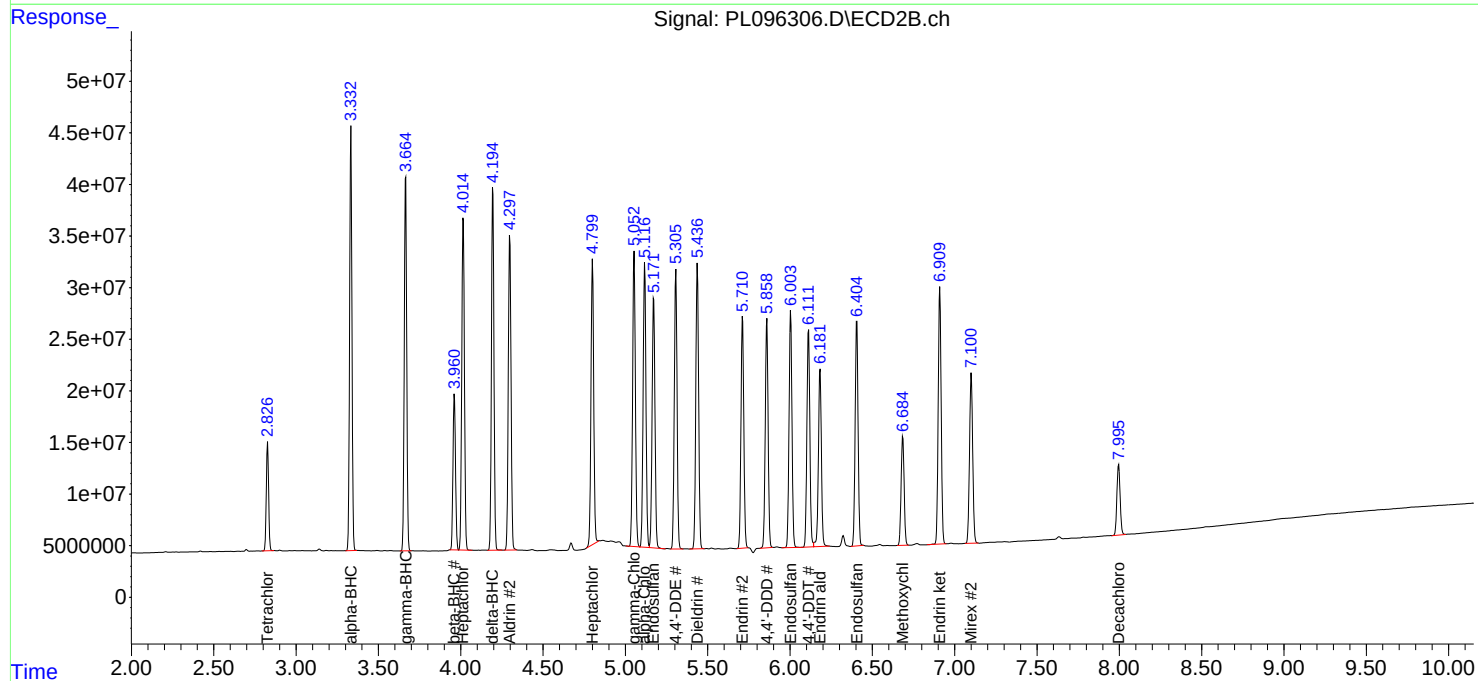
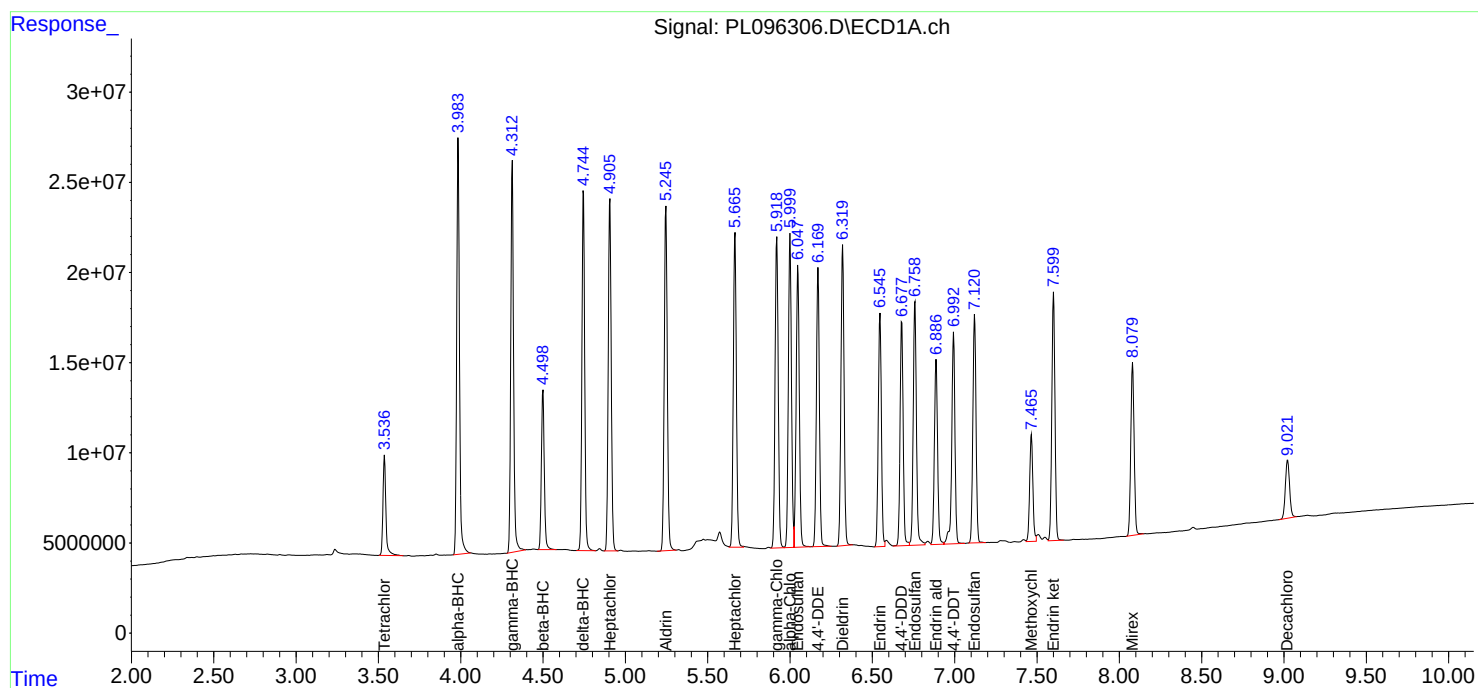
Instrument :
ECD_L
ClientSampleId :
PB168794BS

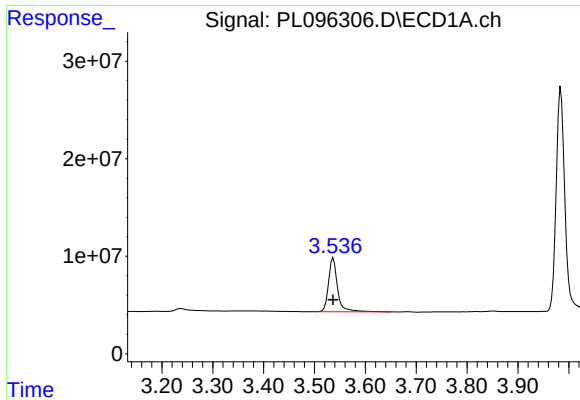
Manual Integrations
APPROVED

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 23:01:33 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





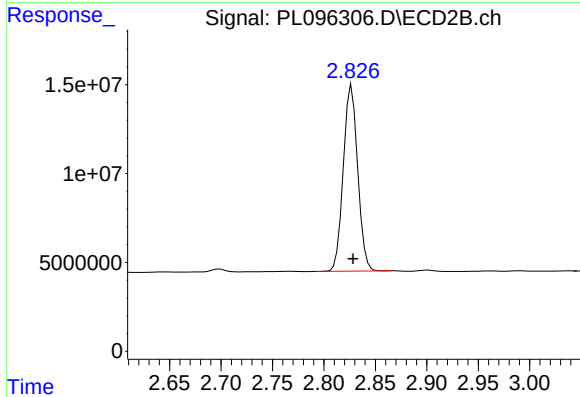
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 68511192
Conc: 18.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

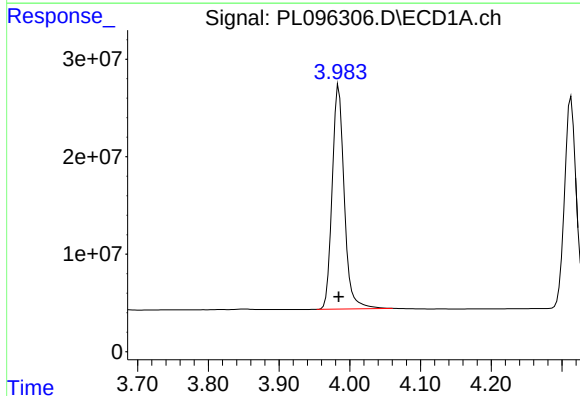
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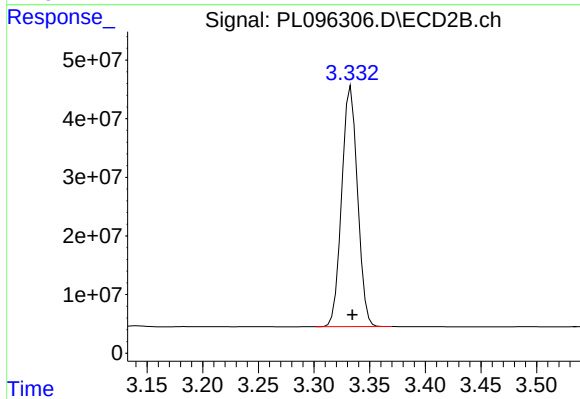
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 101865859
Conc: 17.65 ng/ml



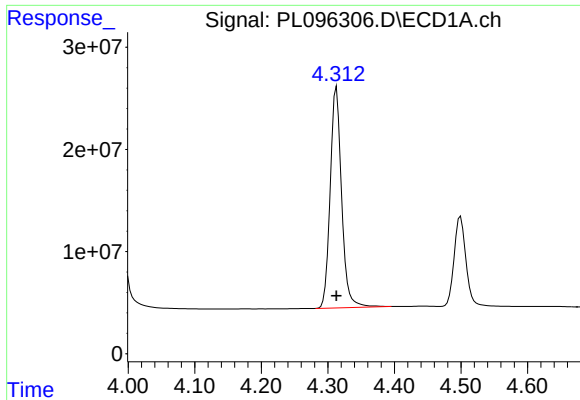
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 272382510
Conc: 52.96 ng/ml



#2 alpha-BHC

R.T.: 3.333 min
Delta R.T.: -0.001 min
Response: 405778495
Conc: 48.11 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.313 min
Delta R.T.: 0.000 min
Response: 258054318
Conc: 51.82 ng/ml

Instrument :

ECD_L

ClientSampleId :

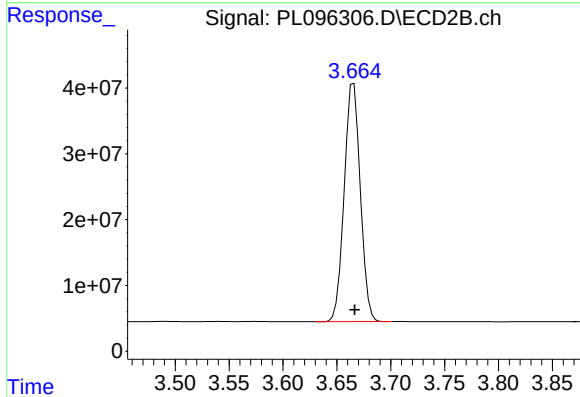
PB168794BS

Manual Integrations

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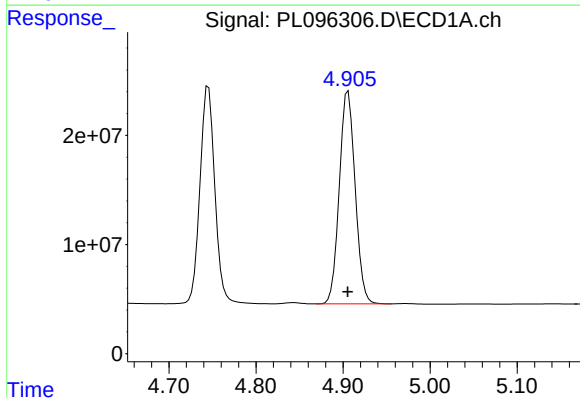
Reviewed By :Abdul Mirza 07/11/2025

Supervised By :mohammad ahmed 07/15/2025



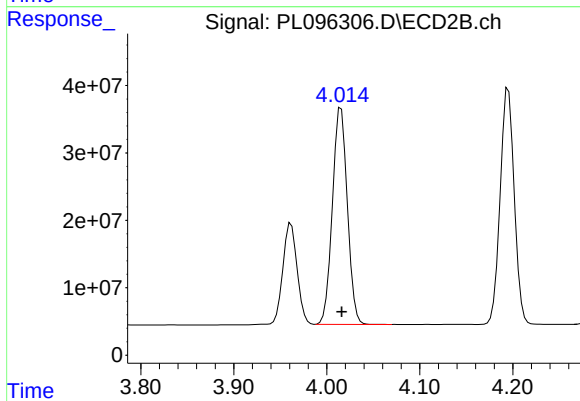
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 377373648
Conc: 47.92 ng/ml



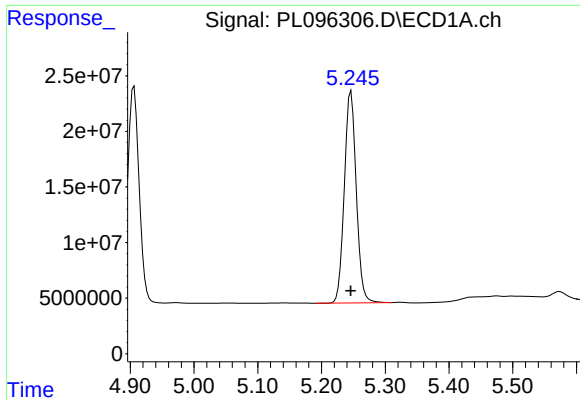
#4 Heptachlor

R.T.: 4.906 min
Delta R.T.: 0.000 min
Response: 246364526
Conc: 53.78 ng/ml



#4 Heptachlor

R.T.: 4.015 min
Delta R.T.: 0.000 min
Response: 359152193
Conc: 47.21 ng/ml



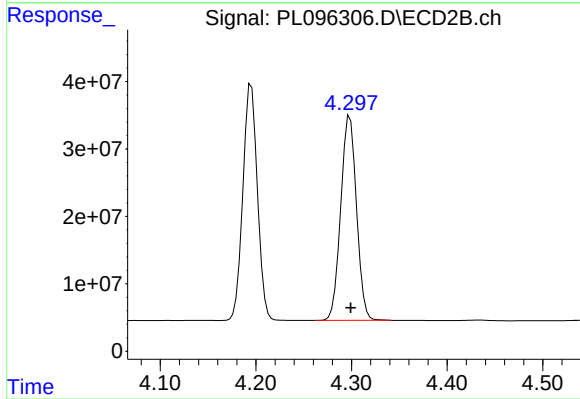
#5 Aldrin

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 247904886
Conc: 51.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

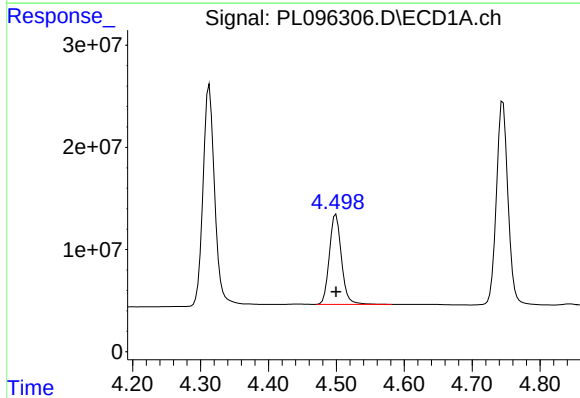
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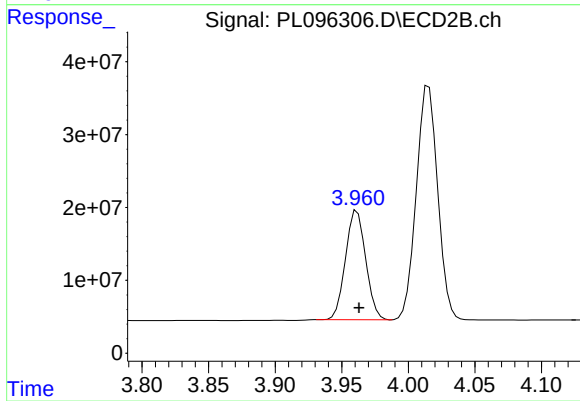
#5 Aldrin

R.T.: 4.298 min
Delta R.T.: -0.001 min
Response: 348677328
Conc: 47.79 ng/ml



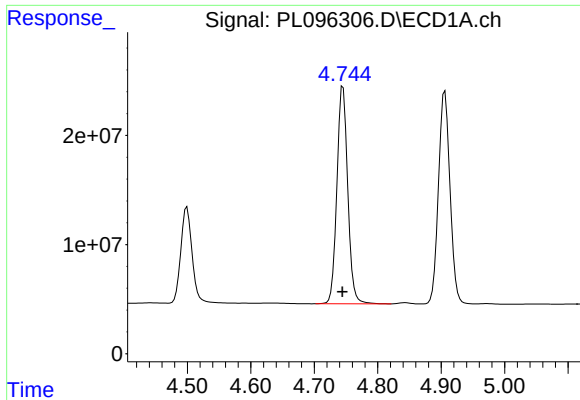
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 108772859
Conc: 52.32 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 158660332
Conc: 46.34 ng/ml



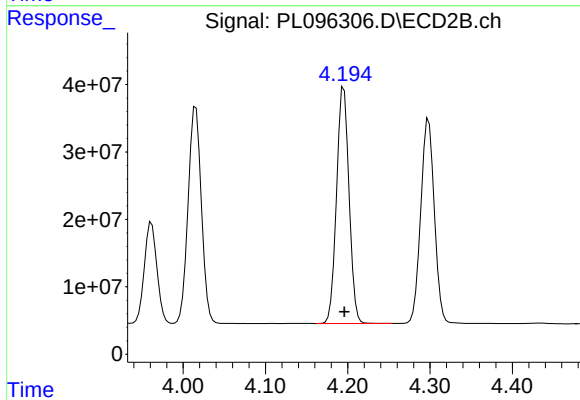
#7 delta-BHC

R.T.: 4.745 min
Delta R.T.: 0.000 min
Response: 237211104
Conc: 52.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

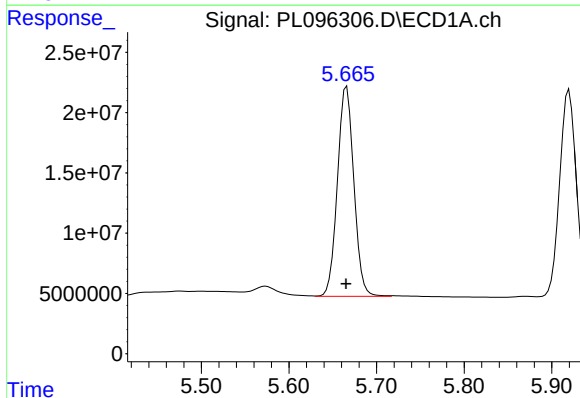
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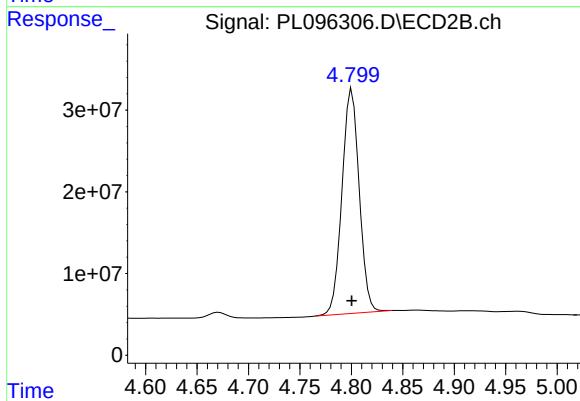
#7 delta-BHC

R.T.: 4.195 min
Delta R.T.: 0.000 min
Response: 369323030
Conc: 47.95 ng/ml



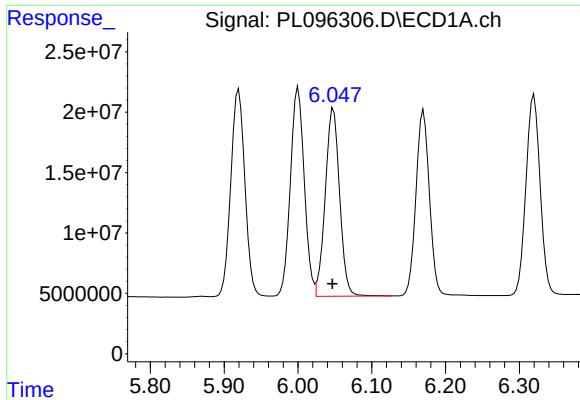
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 226933140
Conc: 54.69 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.801 min
Delta R.T.: 0.000 min
Response: 321401989
Conc: 48.08 ng/ml



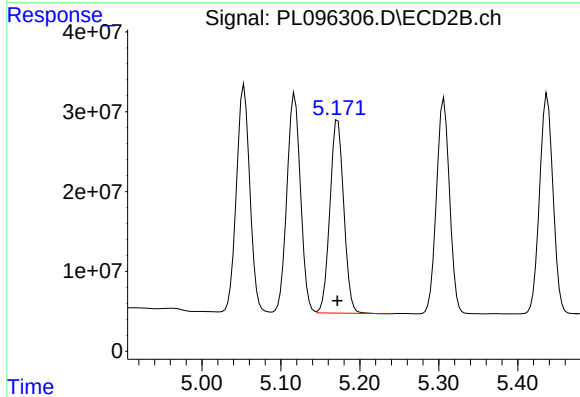
#9 Endosulfan I

R.T.: 6.048 min
Delta R.T.: 0.001 min
Response: 210396674
Conc: 52.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

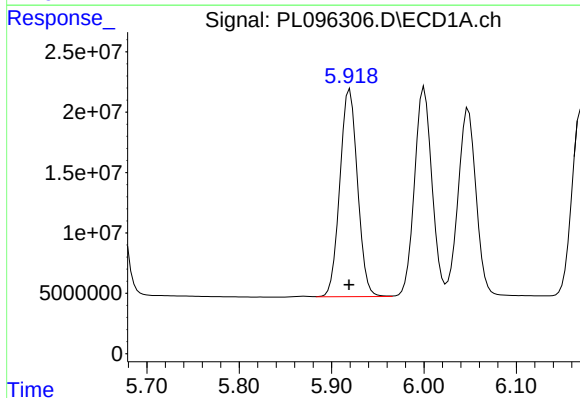
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Supervised By :mohammad ahmed 07/15/2025



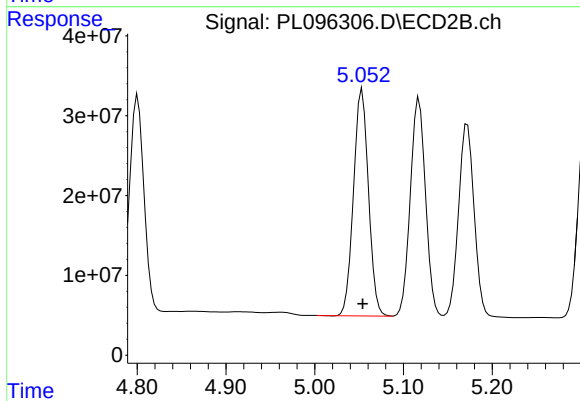
#9 Endosulfan I

R.T.: 5.172 min
Delta R.T.: 0.000 min
Response: 295317715
Conc: 41.16 ng/ml



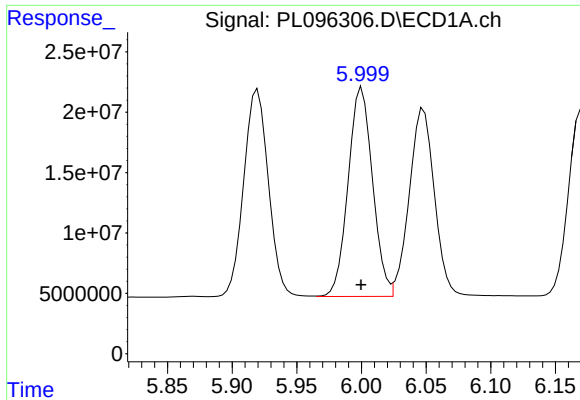
#10 gamma-Chlordane

R.T.: 5.920 min
Delta R.T.: 0.001 min
Response: 228625861
Conc: 51.67 ng/ml



#10 gamma-Chlordane

R.T.: 5.053 min
Delta R.T.: 0.000 min
Response: 333084165
Conc: 47.45 ng/ml



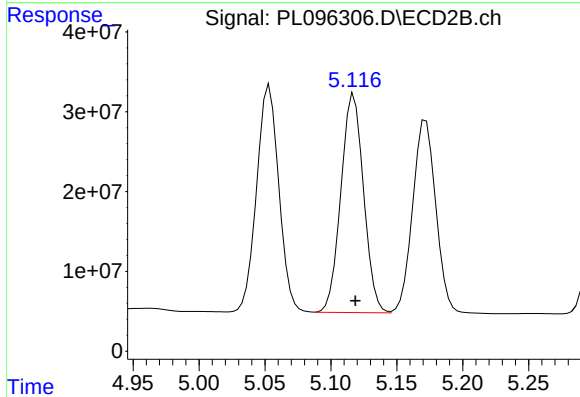
#11 alpha-Chlordane

R.T.: 6.000 min
Delta R.T.: 0.000 min
Response: 226924019
Conc: 51.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

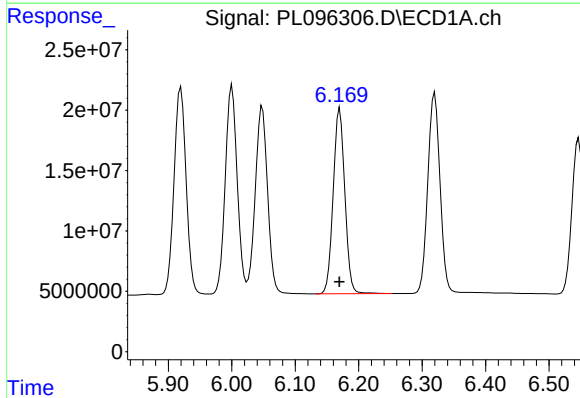
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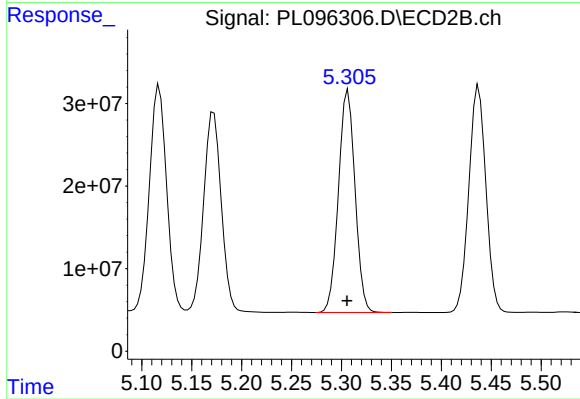
#11 alpha-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 327482787
Conc: 43.55 ng/ml



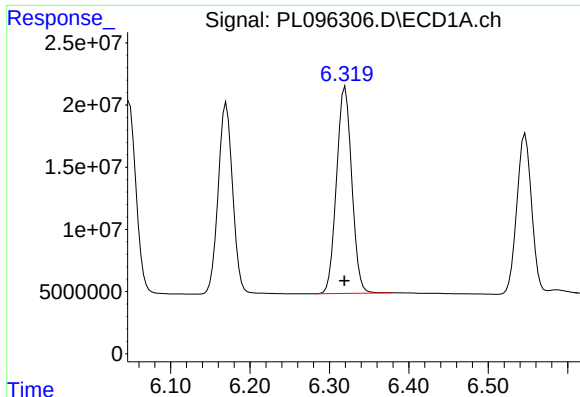
#12 4,4'-DDE

R.T.: 6.170 min
Delta R.T.: 0.000 min
Response: 195594103
Conc: 52.76 ng/ml



#12 4,4'-DDE

R.T.: 5.307 min
Delta R.T.: 0.001 min
Response: 311694482
Conc: 48.22 ng/ml



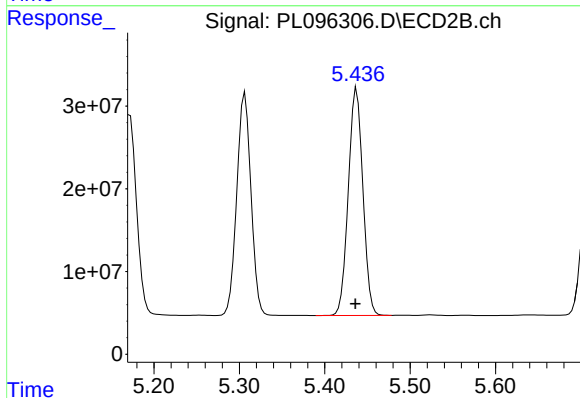
#13 Dieldrin

R.T.: 6.320 min
Delta R.T.: 0.000 min
Response: 221526053
Conc: 52.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

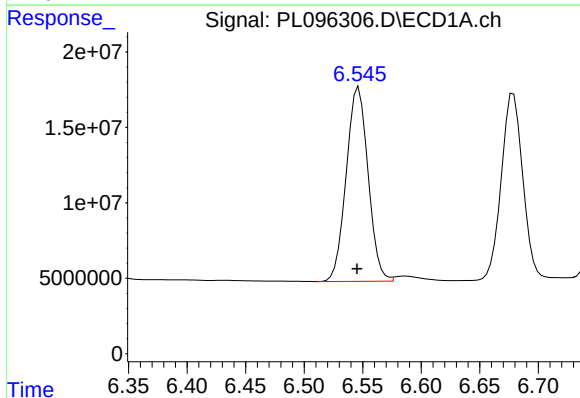
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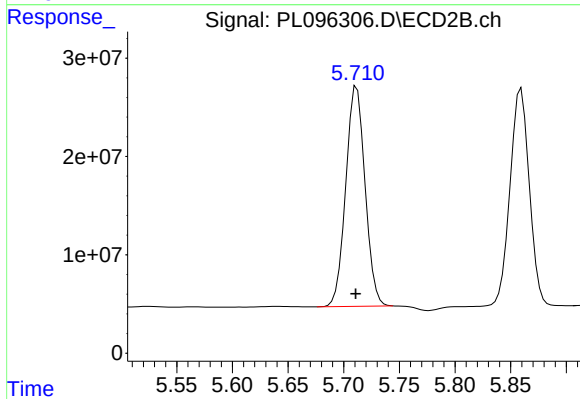
#13 Dieldrin

R.T.: 5.437 min
Delta R.T.: 0.001 min
Response: 325862323
Conc: 47.79 ng/ml



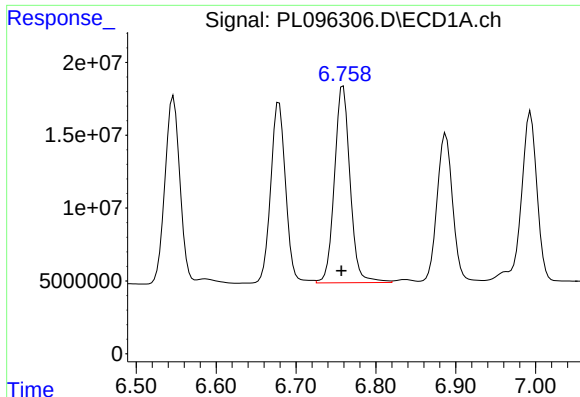
#14 Endrin

R.T.: 6.547 min
Delta R.T.: 0.001 min
Response: 167566647
Conc: 53.88 ng/ml



#14 Endrin

R.T.: 5.712 min
Delta R.T.: 0.001 min
Response: 270076215
Conc: 44.30 ng/ml



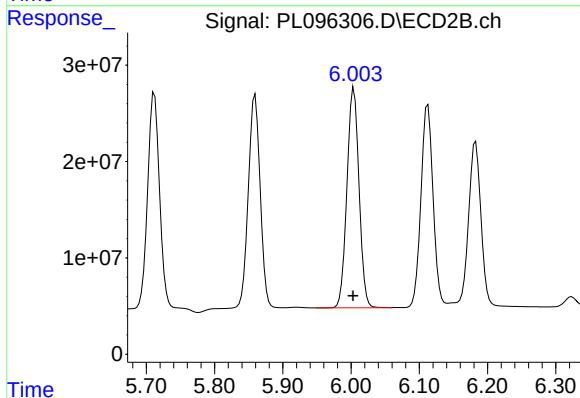
#15 Endosulfan II

R.T.: 6.759 min
Delta R.T.: 0.002 min
Response: 183800693
Conc: 52.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

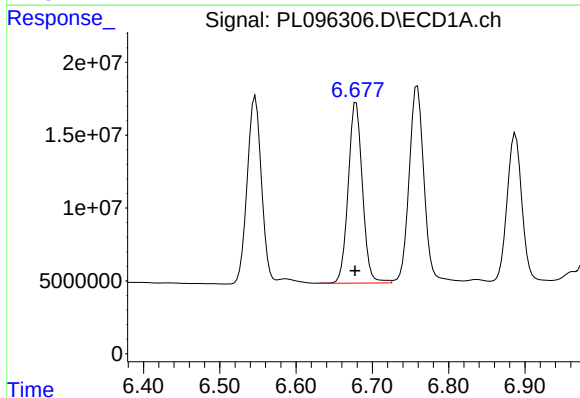
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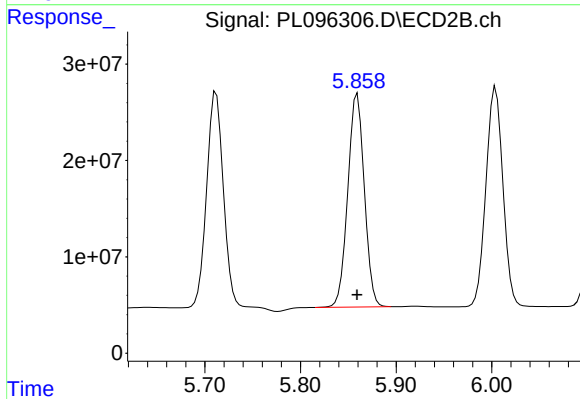
#15 Endosulfan II

R.T.: 6.004 min
Delta R.T.: 0.002 min
Response: 281048363
Conc: 47.93 ng/ml



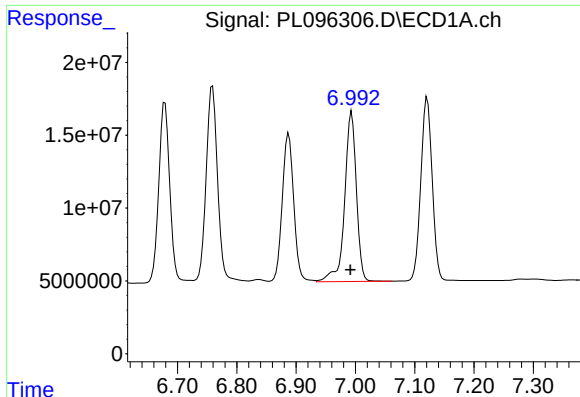
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 161594289
Conc: 55.50 ng/ml



#16 4,4'-DDD

R.T.: 5.859 min
Delta R.T.: 0.000 min
Response: 267256018
Conc: 52.11 ng/ml



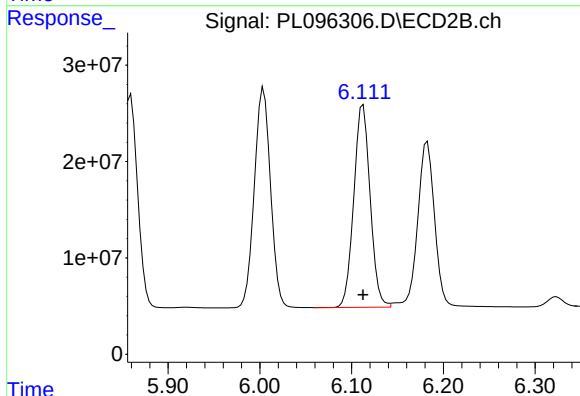
#17 4,4'-DDT

R.T.: 6.994 min
Delta R.T.: 0.002 min
Response: 160926592
Conc: 53.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

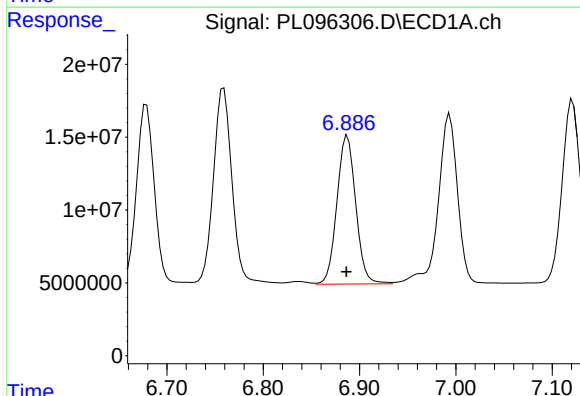
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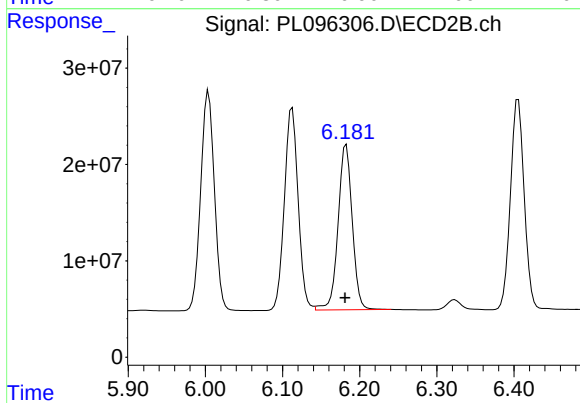
#17 4,4'-DDT

R.T.: 6.112 min
Delta R.T.: 0.000 min
Response: 260715277
Conc: 45.46 ng/ml



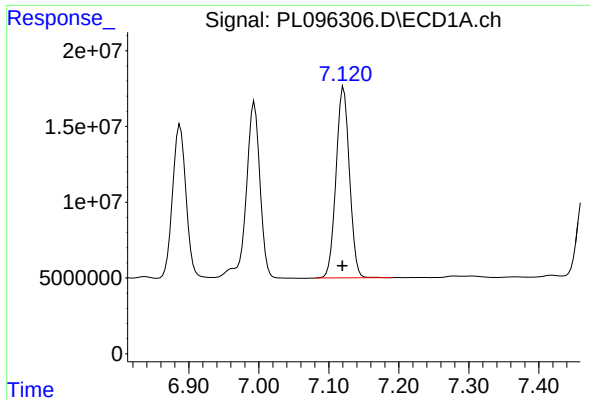
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.001 min
Response: 138400169
Conc: 61.91 ng/ml



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 219140841
Conc: 49.19 ng/ml



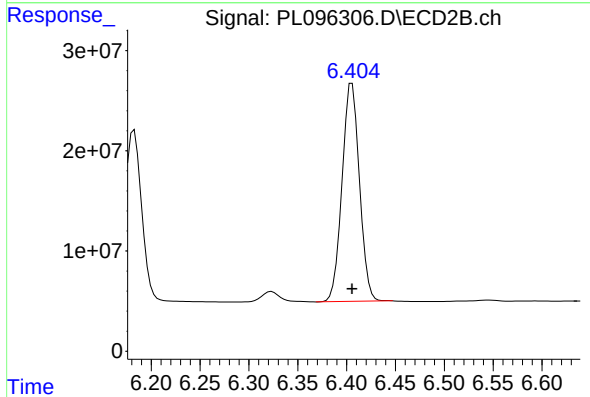
#19 Endosulfan Sulfate

R.T.: 7.121 min
Delta R.T.: 0.002 min
Response: 167692006
Conc: 54.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

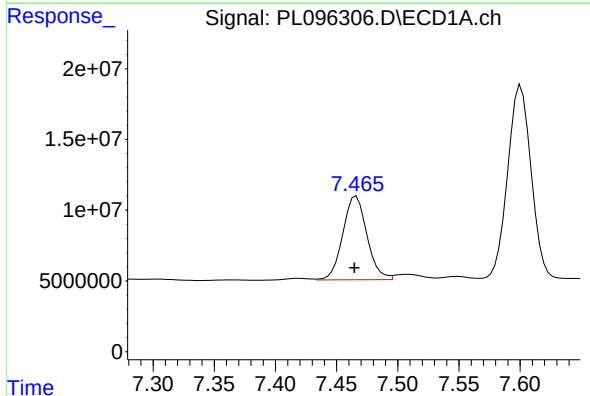
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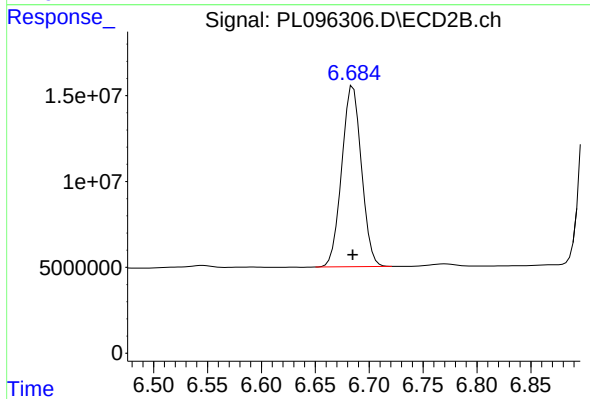
#19 Endosulfan Sulfate

R.T.: 6.406 min
Delta R.T.: 0.000 min
Response: 269711975
Conc: 47.95 ng/ml



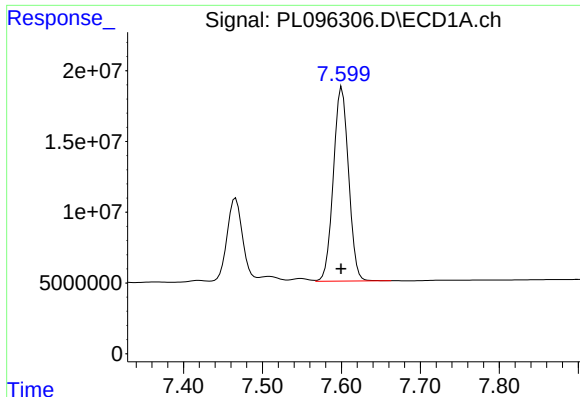
#20 Methoxychlor

R.T.: 7.466 min
Delta R.T.: 0.002 min
Response: 81052955
Conc: 51.45 ng/ml



#20 Methoxychlor

R.T.: 6.685 min
Delta R.T.: 0.000 min
Response: 134179244
Conc: 44.17 ng/ml



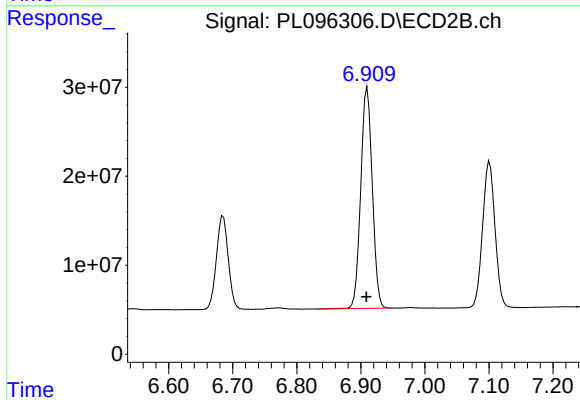
#21 Endrin ketone

R.T.: 7.601 min
Delta R.T.: 0.001 min
Response: 183347708
Conc: 55.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

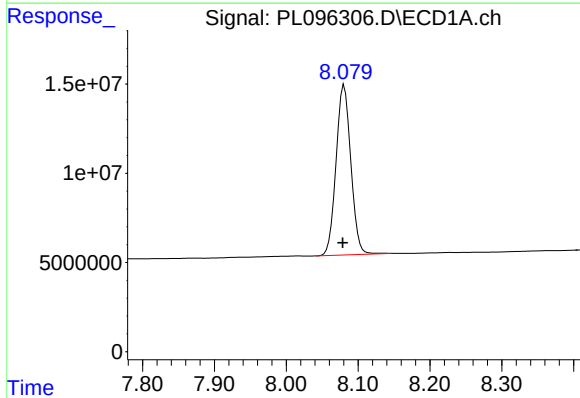
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Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



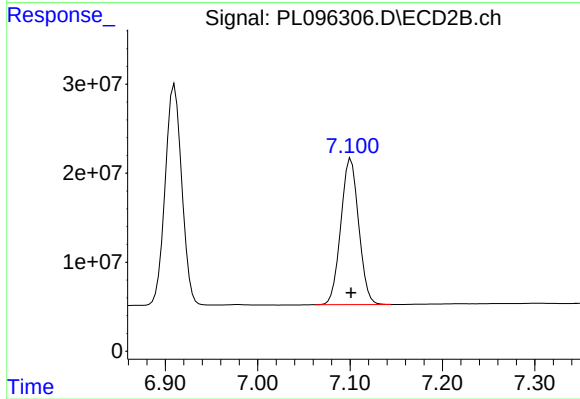
#21 Endrin ketone

R.T.: 6.910 min
Delta R.T.: 0.001 min
Response: 310457687
Conc: 49.66 ng/ml



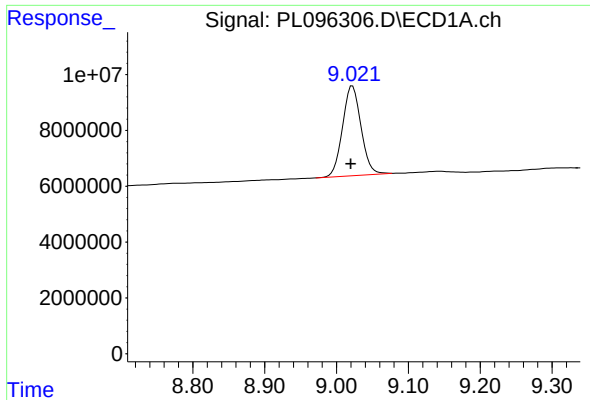
#22 Mirex

R.T.: 8.081 min
Delta R.T.: 0.002 min
Response: 135878496
Conc: 48.84 ng/ml



#22 Mirex

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 220776164
Conc: 44.44 ng/ml



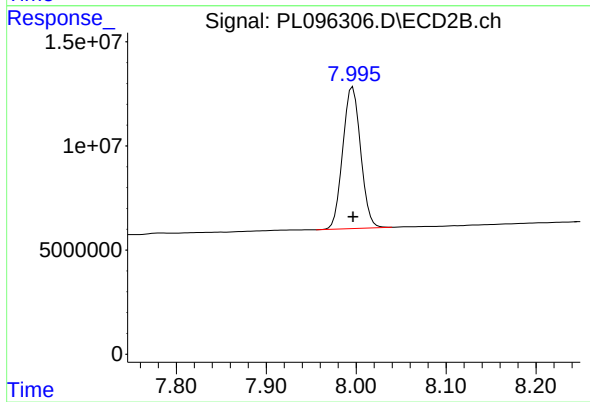
#28 Decachlorobiphenyl

R.T.: 9.022 min
Delta R.T.: 0.002 min
Response: 57234686
Conc: 20.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168794BS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/15/2025



#28 Decachlorobiphenyl

R.T.: 7.996 min
Delta R.T.: 0.000 min
Response: 94040417
Conc: 18.86 ng/ml