

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096902.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 18:09
 Operator : AR\AJ
 Sample : PB169298BS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169298BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/20/2025
 Supervised By : mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 01:38:59 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 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...	3.530	2.825	59733511	90181286	18.779	18.875
28)	SA Decachlor...	9.001	7.986	50000213	83581175	20.967m	19.266
Target Compounds							
2)	A alpha-BHC	3.977	3.330	234.0E6	358.8E6	50.588	50.701
3)	MA gamma-BHC...	4.303	3.662	226.7E6	335.2E6	51.243m	50.759
4)	MA Heptachlor	4.896	4.010	224.1E6	332.2E6	53.928	49.865
5)	MB Aldrin	5.235	4.293	217.9E6	315.0E6	50.669	50.753
6)	B beta-BHC	4.490	3.958	93226637	141.6E6	51.650m	50.186
7)	B delta-BHC	4.737	4.191	210.3E6	329.1E6	52.714	50.839
8)	B Heptachlo...	5.654	4.795	201.4E6	287.0E6	52.234	50.254
9)	A Endosulfan I	6.036	5.165	178.7E6	267.1E6	49.681	48.288
10)	B gamma-Chl...	5.908	5.046	196.5E6	299.9E6	51.640	51.006
11)	B alpha-Chl...	5.988	5.110	194.9E6	295.2E6	50.566	50.042
12)	B 4,4'-DDE	6.159	5.299	162.6E6	280.3E6	50.620	50.834
13)	MA Dieldrin	6.308	5.430	184.7E6	295.8E6	49.758	50.073
14)	MA Endrin	6.533	5.704	153.4E6	268.3E6	50.670m	49.631
15)	B Endosulfa...	6.748	5.996	160.1E6	252.6E6	49.997	49.171
16)	A 4,4'-DDD	6.667	5.851	132.2E6	237.2E6	52.270	50.408
17)	MA 4,4'-DDT	6.981	6.104	140.1E6	241.0E6	48.849	47.643
18)	B Endrin al...	6.876	6.174	113.9E6	191.8E6	53.079	52.755
19)	B Endosulfa...	7.108	6.398	140.8E6	244.5E6	48.994m	48.071
20)	A Methoxychlor	7.454	6.675	69173434	130.3E6	47.109	47.545m
21)	B Endrin ke...	7.589	6.902	147.0E6	272.6E6	48.900	48.937
22)	Mirex	8.066	7.092	119.1E6	208.4E6	48.022m	47.787

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

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Data File : PL096902.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Aug 2025 18:09
Operator : AR\AJ
Sample : PB169298BS
Misc :
ALS Vial : 21 Sample Multiplier: 1

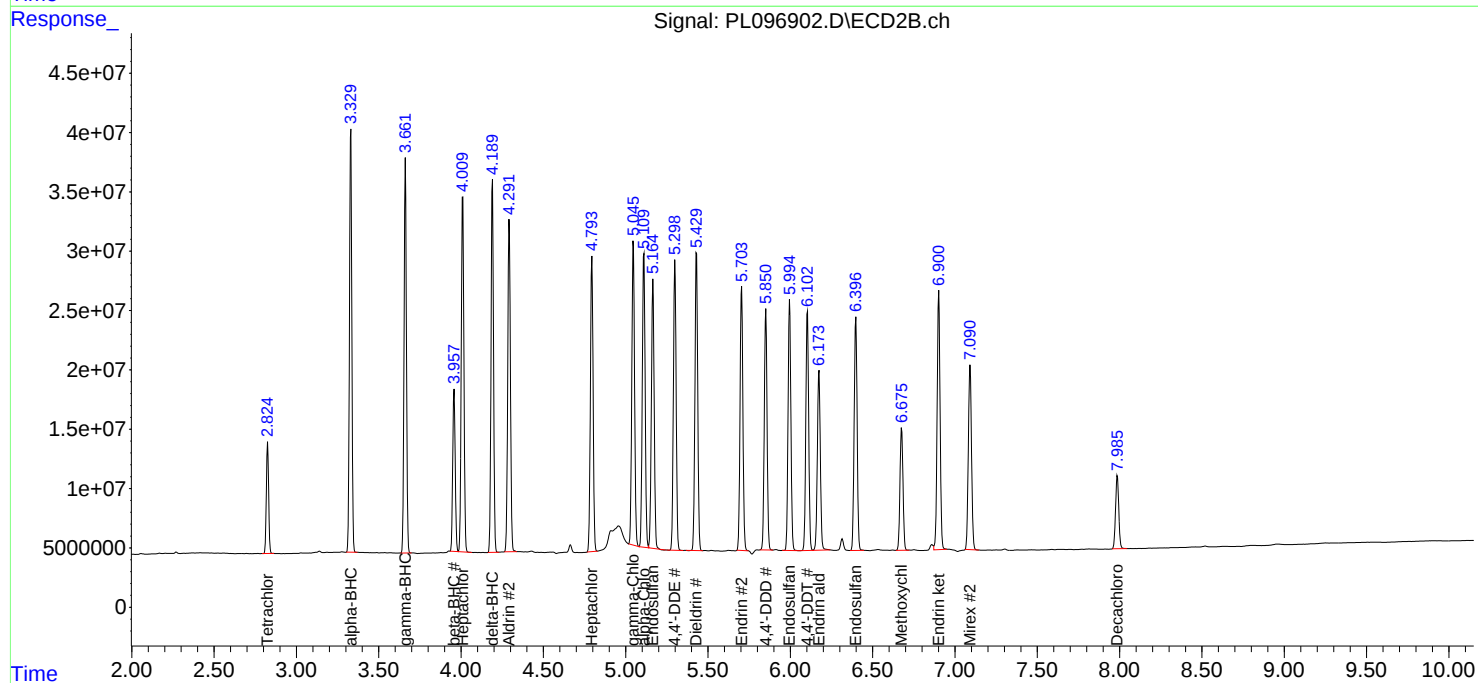
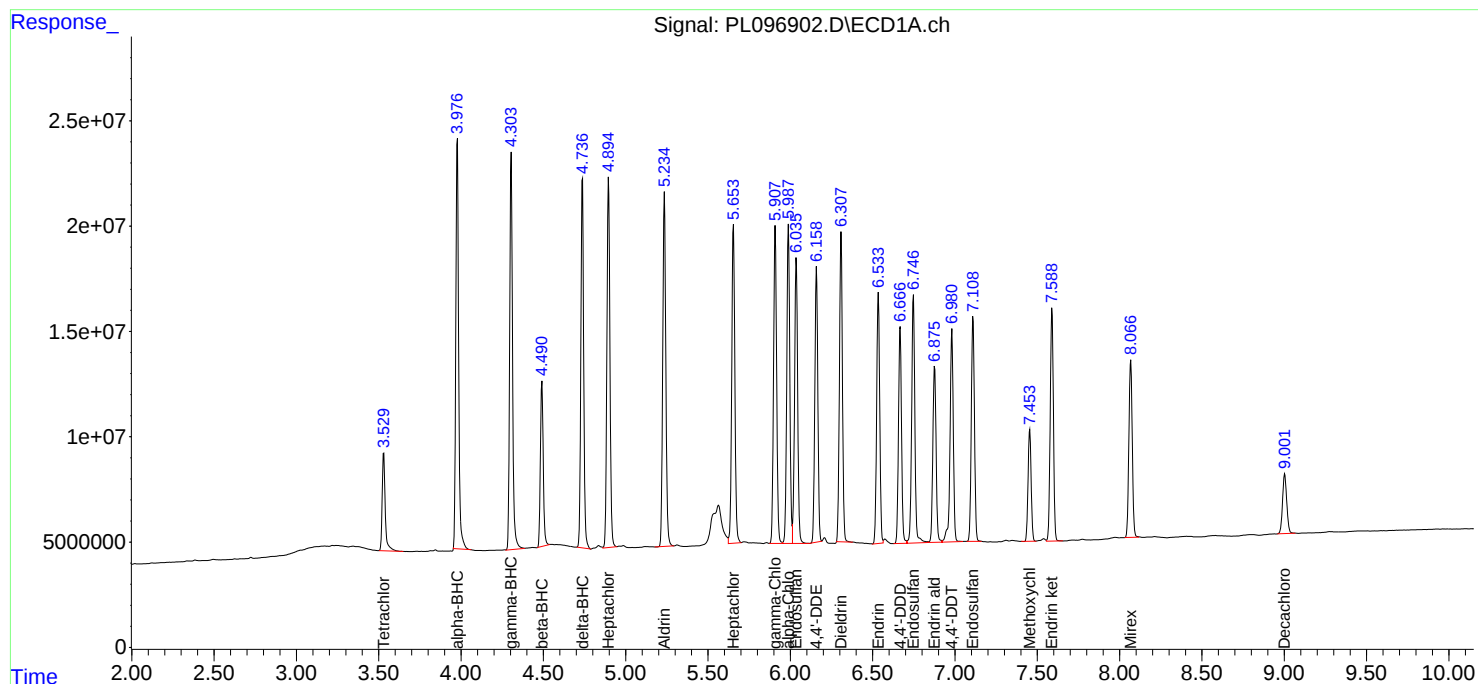
Instrument :
ECD_L
ClientSampleId :
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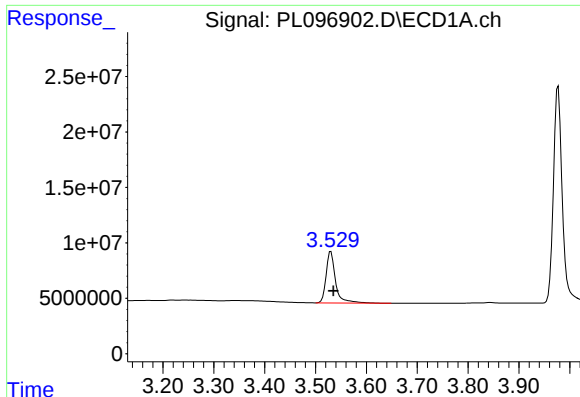
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 20 01:38:59 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
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QLast Update : Fri Aug 08 15:43:38 2025
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





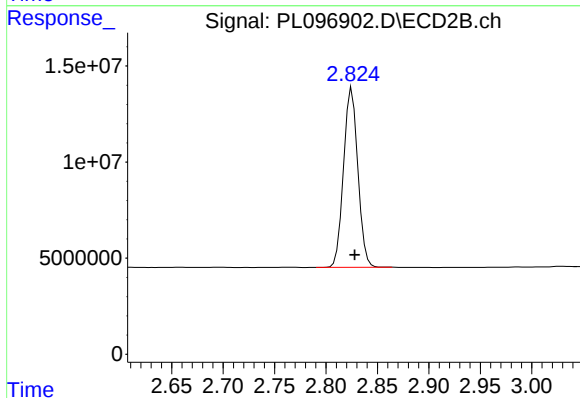
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 59733511
Conc: 18.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

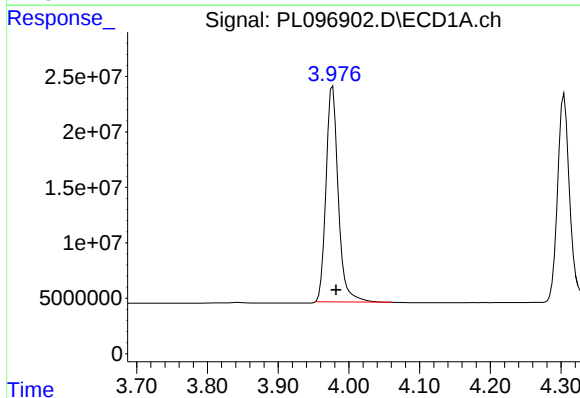
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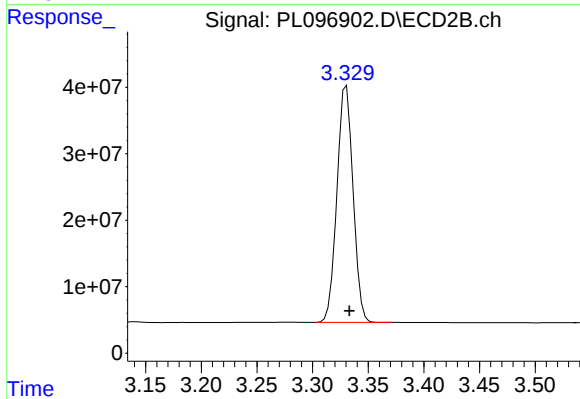
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 90181286
Conc: 18.88 ng/ml



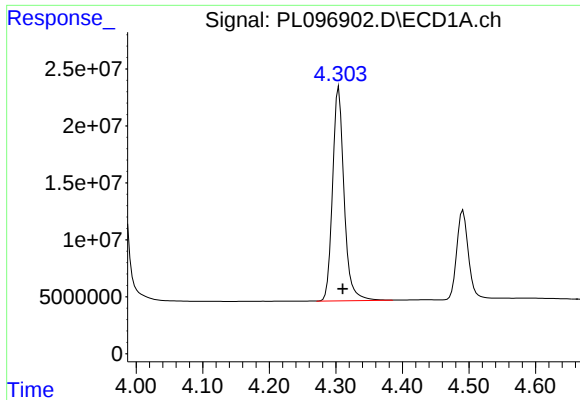
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 234035923
Conc: 50.59 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 358814609
Conc: 50.70 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 226672469
Conc: 51.24 ng/ml

Instrument :

ECD_L

ClientSampleId :

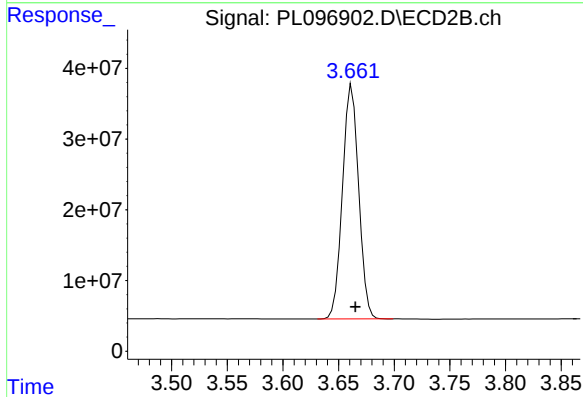
PB169298BS

Manual Integrations

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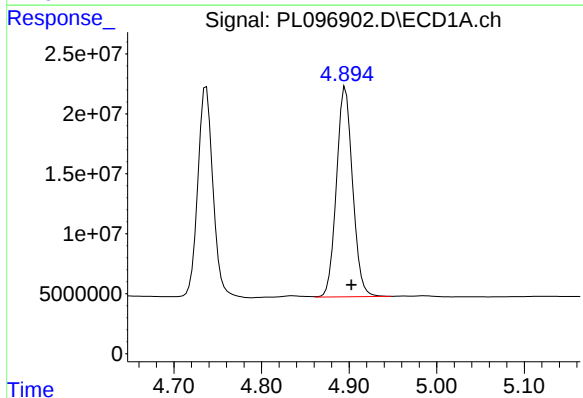
Reviewed By :Abdul Mirza 08/20/2025

Supervised By :mohammad ahmed 08/21/2025



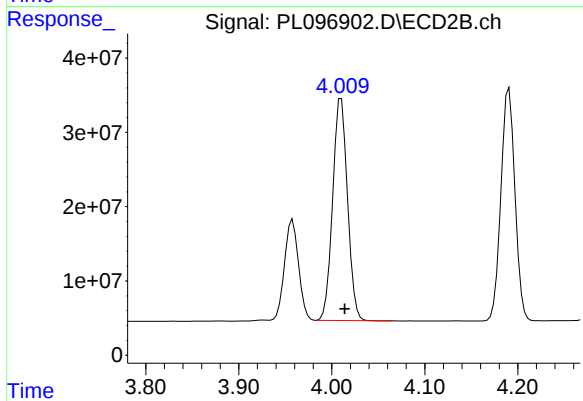
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 335182928
Conc: 50.76 ng/ml



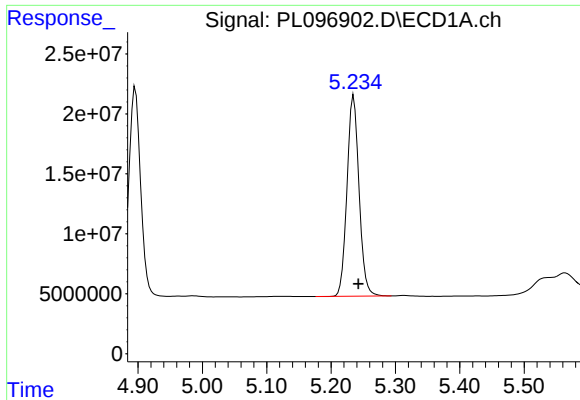
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 224109116
Conc: 53.93 ng/ml



#4 Heptachlor

R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 332200567
Conc: 49.87 ng/ml



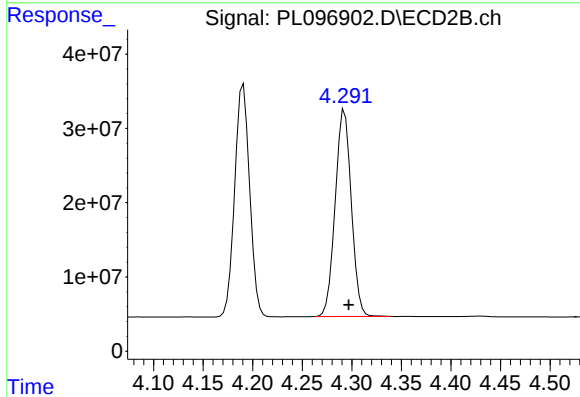
#5 Aldrin

R.T.: 5.235 min
Delta R.T.: -0.008 min
Response: 217928984
Conc: 50.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

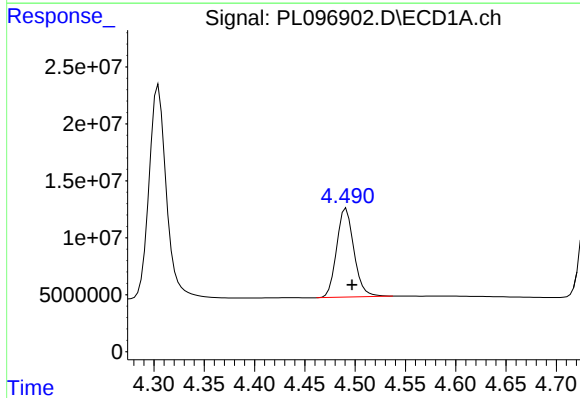
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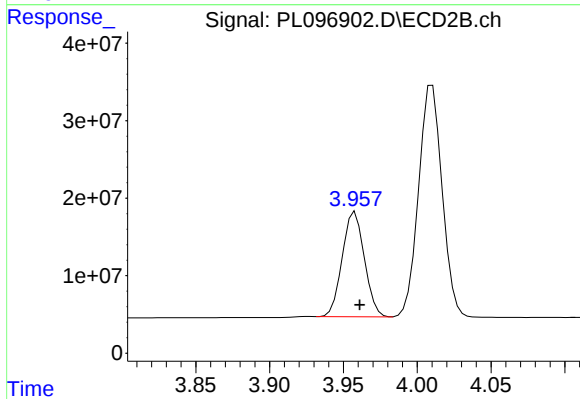
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 315026537
Conc: 50.75 ng/ml



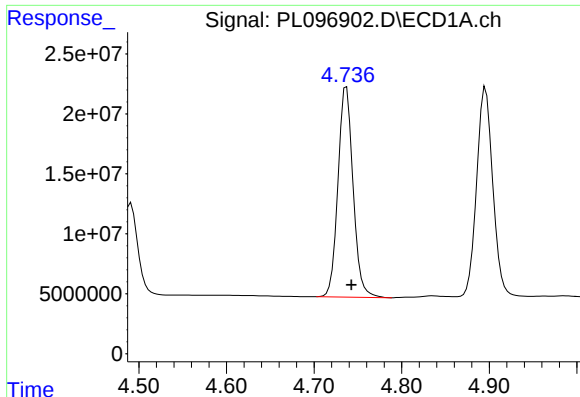
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 93226637
Conc: 51.65 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 141570116
Conc: 50.19 ng/ml



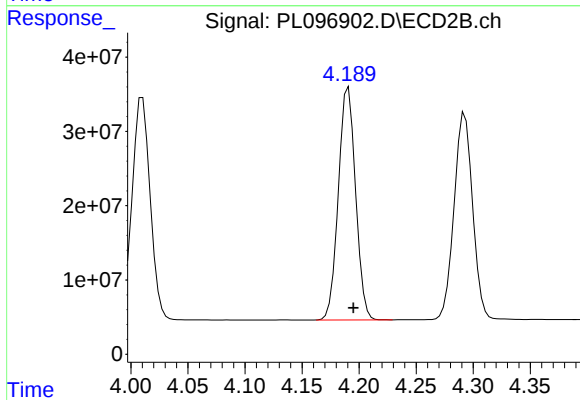
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.006 min
Response: 210319853
Conc: 52.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

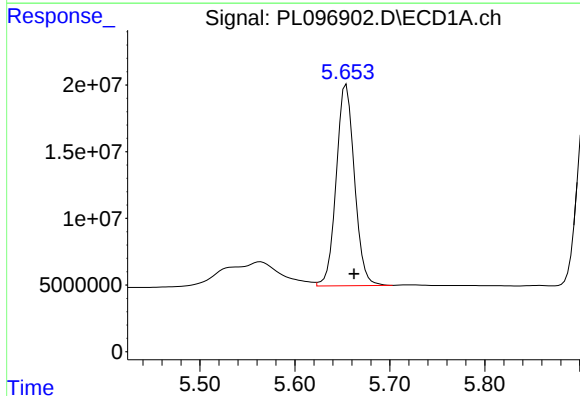
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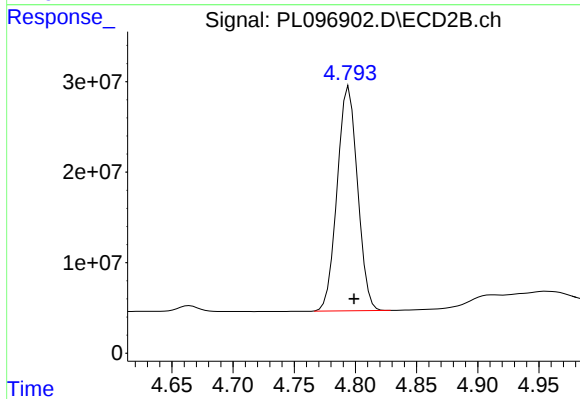
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 329115232
Conc: 50.84 ng/ml



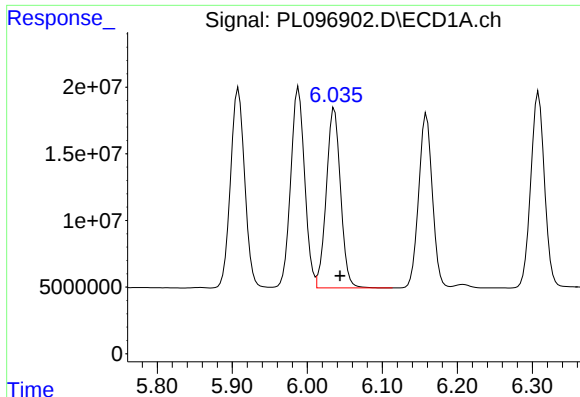
#8 Heptachlor epoxide

R.T.: 5.654 min
Delta R.T.: -0.008 min
Response: 201440938
Conc: 52.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 287016261
Conc: 50.25 ng/ml



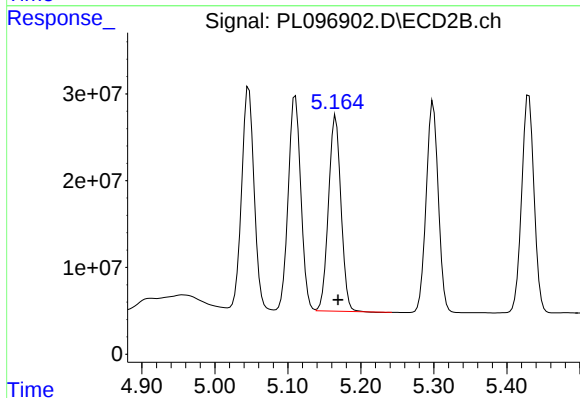
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 178670637
Conc: 49.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

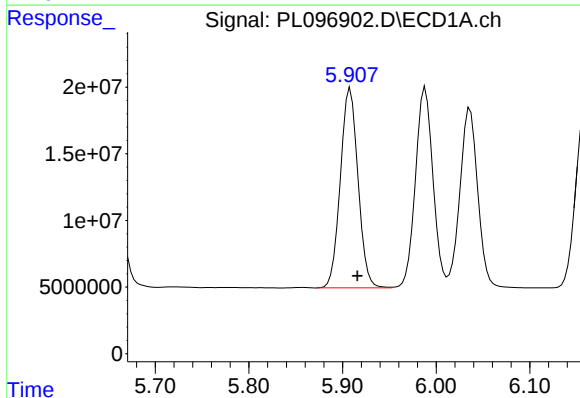
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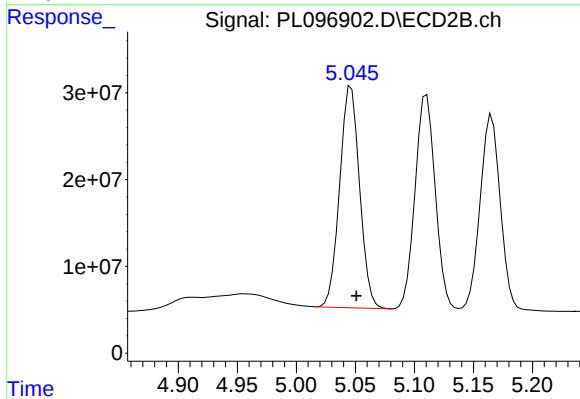
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 267102302
Conc: 48.29 ng/ml



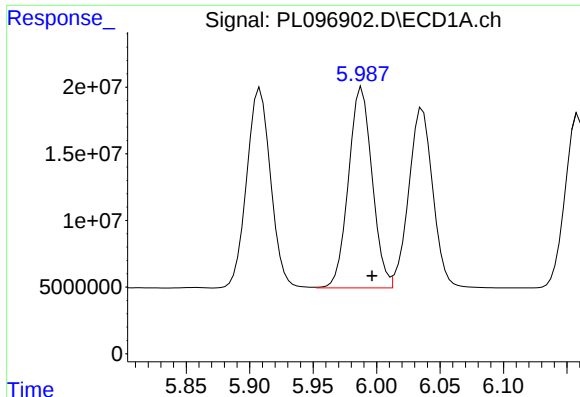
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.008 min
Response: 196503694
Conc: 51.64 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 299920367
Conc: 51.01 ng/ml



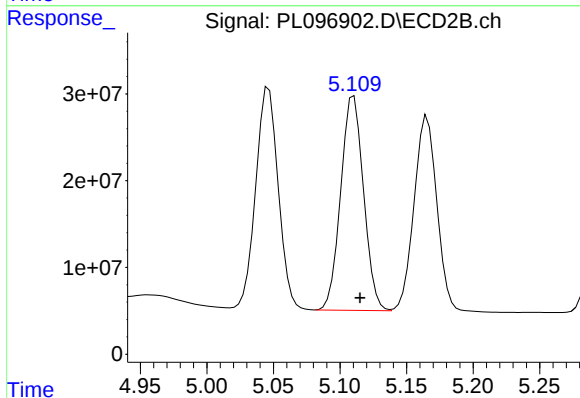
#11 alpha-Chlordane

R.T.: 5.988 min
Delta R.T.: -0.008 min
Response: 194915132
Conc: 50.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

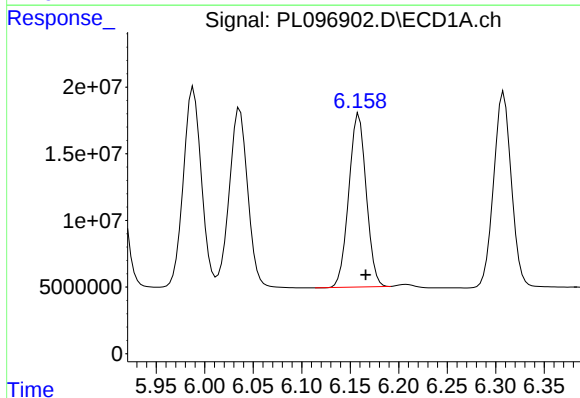
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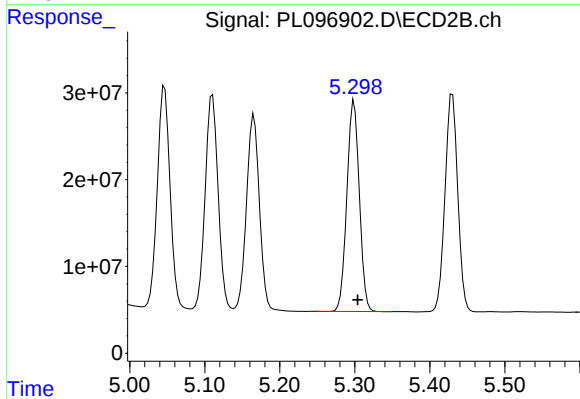
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 295191708
Conc: 50.04 ng/ml



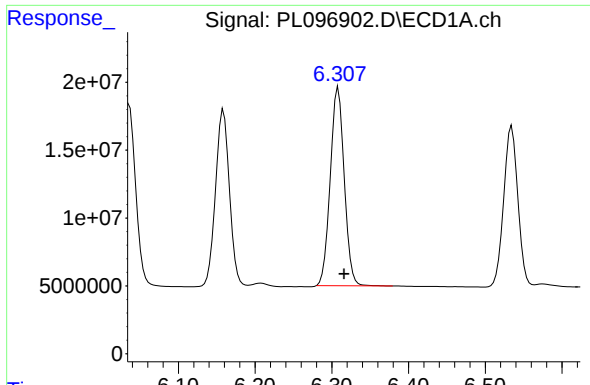
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 162553750
Conc: 50.62 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 280318562
Conc: 50.83 ng/ml



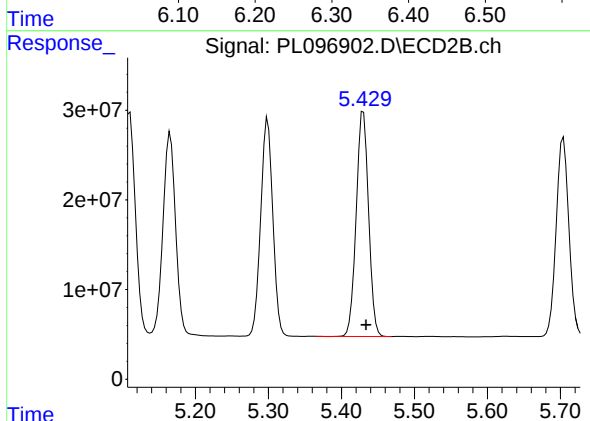
#13 Dieldrin

R.T.: 6.308 min
Delta R.T.: -0.007 min
Response: 184659782
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

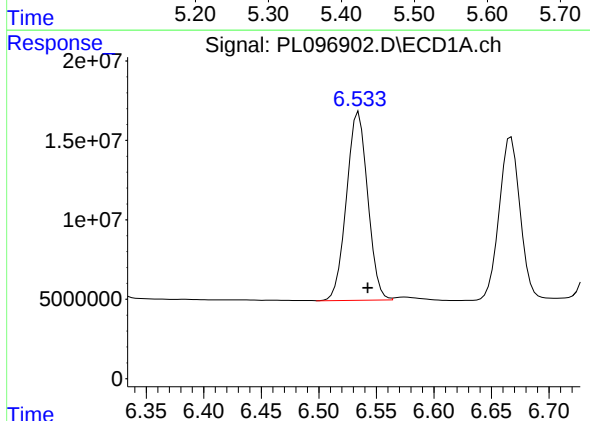
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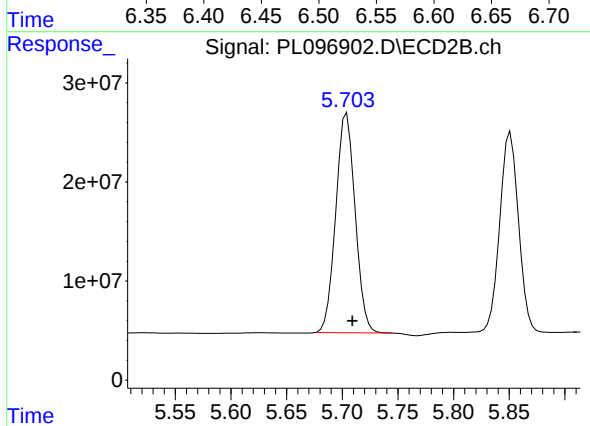
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 295757797
Conc: 50.07 ng/ml



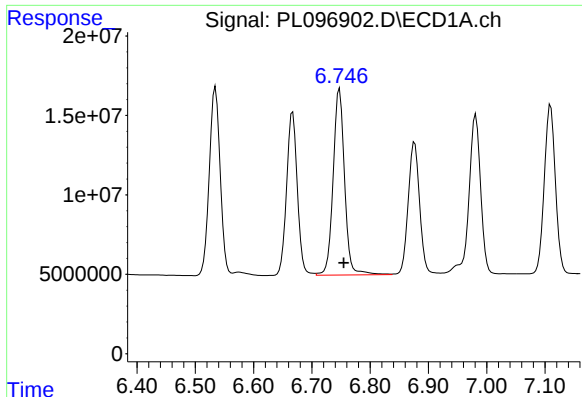
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 153368442
Conc: 50.67 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 268302286
Conc: 49.63 ng/ml



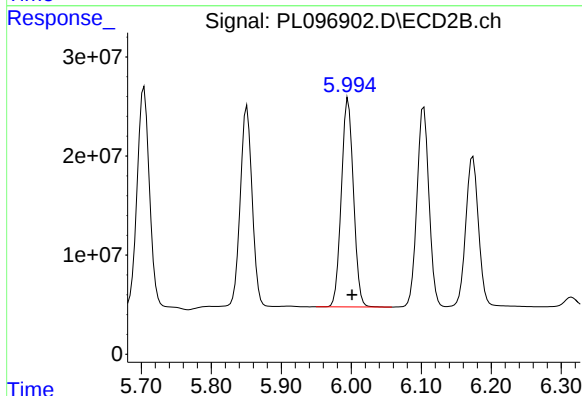
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 160122440
Conc: 50.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

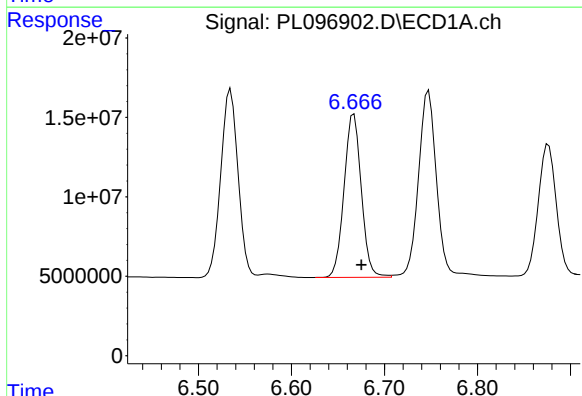
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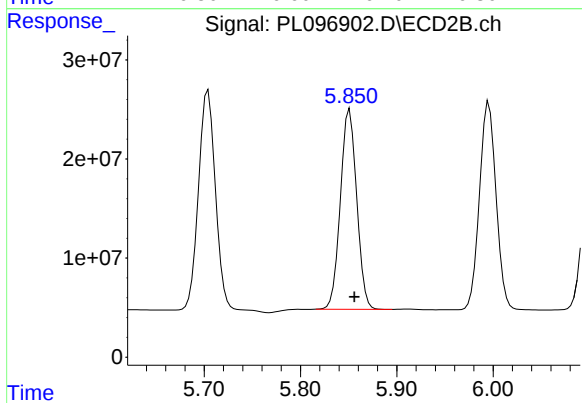
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 252552673
Conc: 49.17 ng/ml



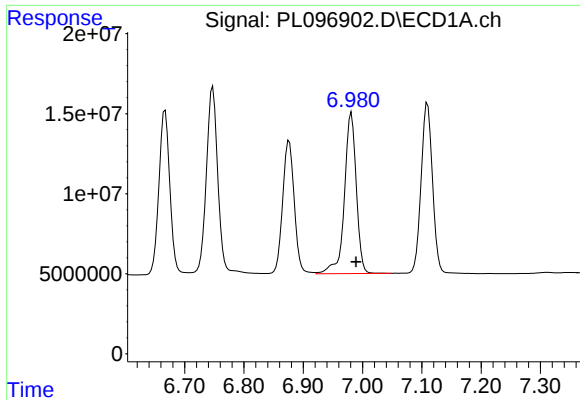
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 132158768
Conc: 52.27 ng/ml



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 237184514
Conc: 50.41 ng/ml



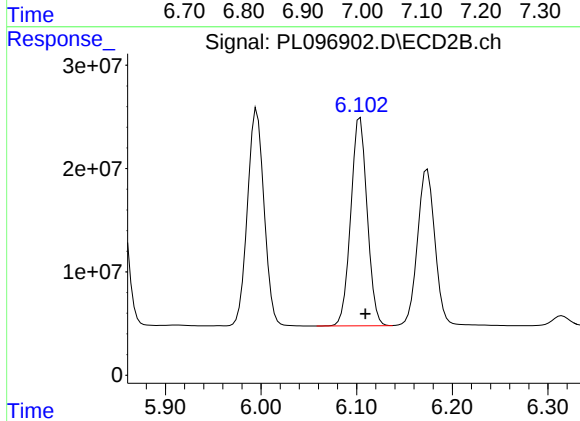
#17 4,4'-DDT

R.T.: 6.981 min
Delta R.T.: -0.008 min
Response: 140084088
Conc: 48.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

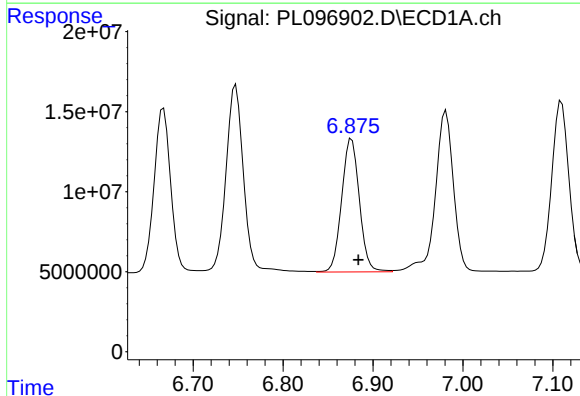
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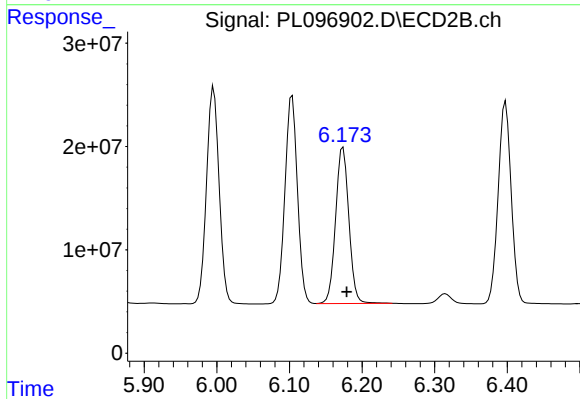
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 240994935
Conc: 47.64 ng/ml



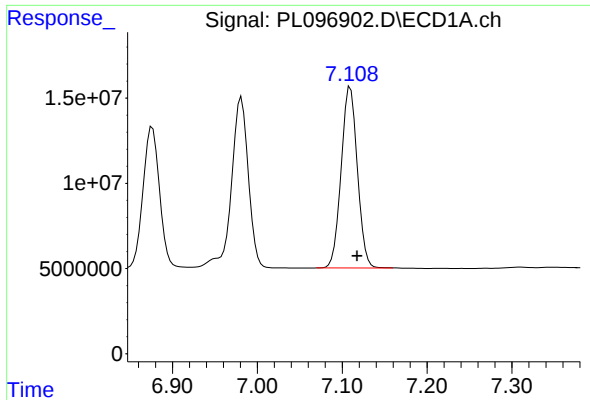
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.007 min
Response: 113902393
Conc: 53.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 191767789
Conc: 52.76 ng/ml



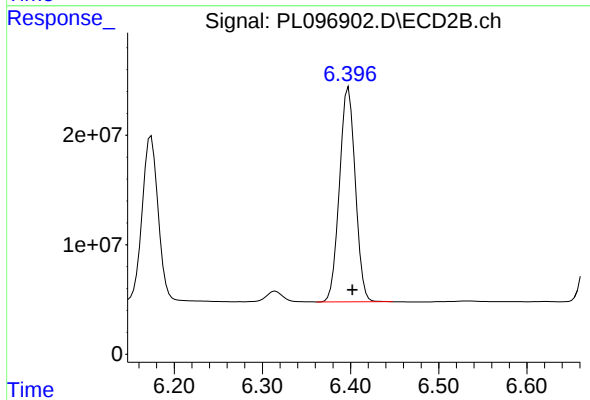
#19 Endosulfan Sulfate

R.T.: 7.108 min
Delta R.T.: -0.009 min
Response: 140793857
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

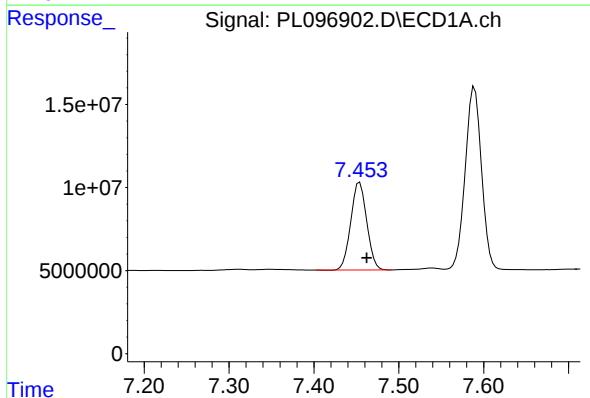
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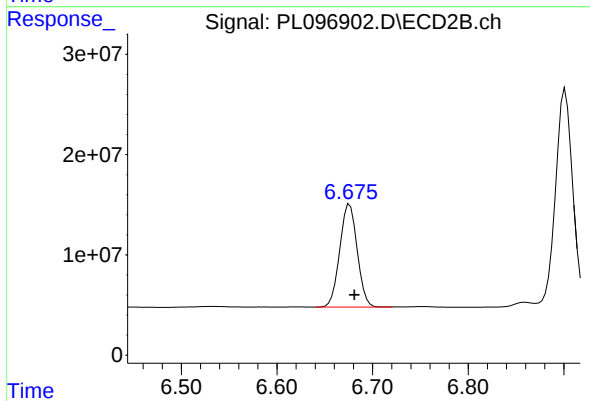
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 244496962
Conc: 48.07 ng/ml



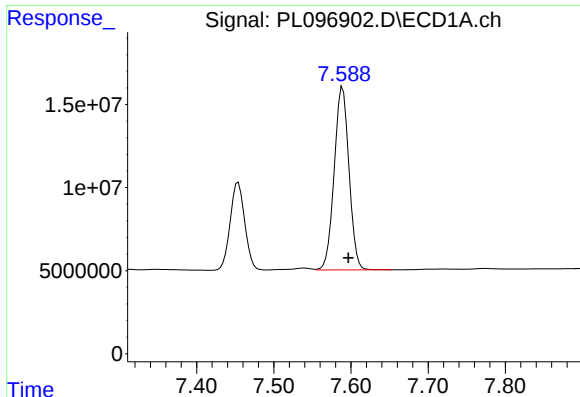
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 69173434
Conc: 47.11 ng/ml



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 130296890
Conc: 47.54 ng/ml m



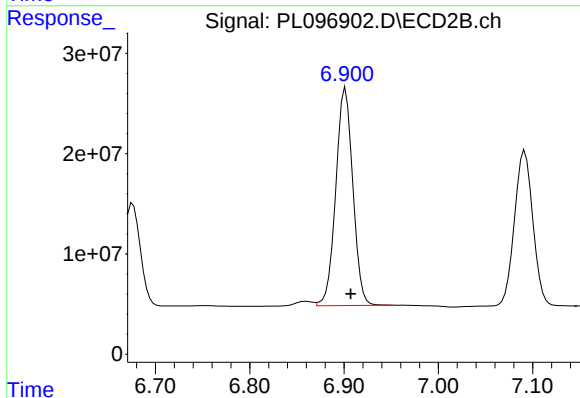
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.007 min
Response: 147028159
Conc: 48.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

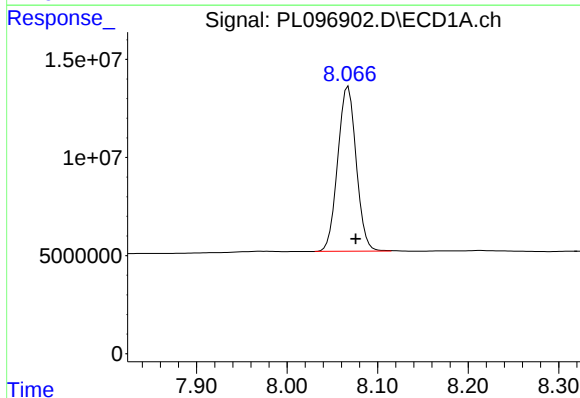
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/20/2025
Supervised By :mohammad ahmed 08/21/2025



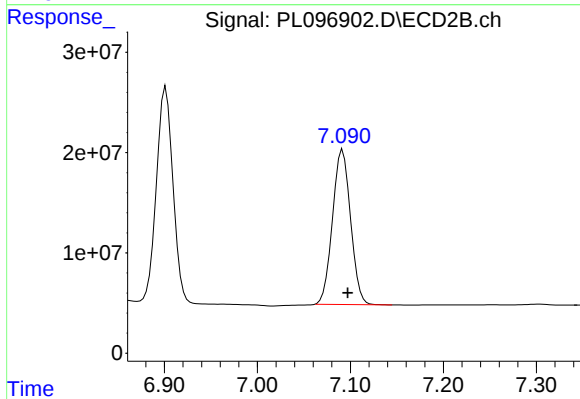
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 272567450
Conc: 48.94 ng/ml



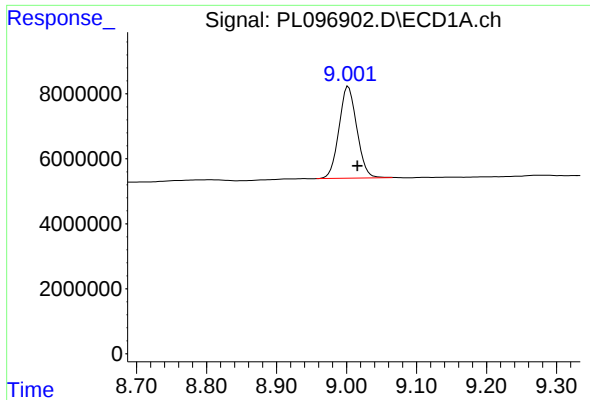
#22 Mirex

R.T.: 8.066 min
Delta R.T.: -0.010 min
Response: 119064074
Conc: 48.02 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 208390663
Conc: 47.79 ng/ml



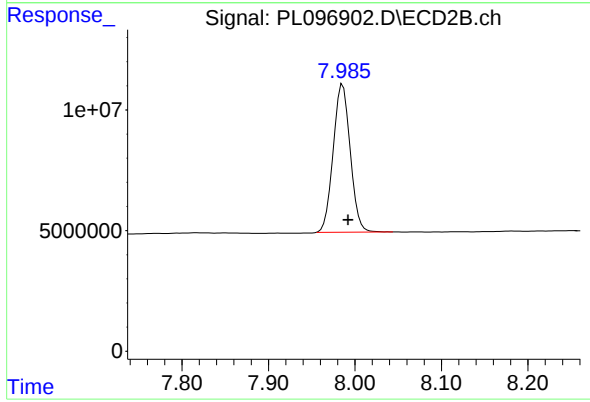
#28 Decachlorobiphenyl

R.T.: 9.001 min
Delta R.T.: -0.015 min
Response: 50000213
Conc: 20.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169298BS

Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 83581175
Conc: 19.27 ng/ml