

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096847.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 12:10
 Operator : AR\AJ
 Sample : PB169283BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169283BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 12:39:32 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...	3.528	2.824	56391539	85423312	17.729m	17.879
28)	SA Decachlor...	9.005	7.986	44529707	81320165	18.673m	18.745
Target Compounds							
2)	A alpha-BHC	3.976	3.330	221.7E6	328.3E6	47.914m	46.384
3)	MA gamma-BHC...	4.303	3.661	208.9E6	306.0E6	47.224m	46.345
4)	MA Heptachlor	4.896	4.010	206.8E6	296.4E6	49.755	44.496
5)	MB Aldrin	5.236	4.292	204.7E6	287.3E6	47.602	46.291
6)	B beta-BHC	4.490	3.958	86509512	131.6E6	47.929m	46.648
7)	B delta-BHC	4.737	4.190	163.2E6	252.4E6	40.900	38.985
8)	B Heptachlo...	5.655	4.794	189.8E6	261.6E6	49.202	45.800
9)	A Endosulfan I	6.036	5.165	169.3E6	245.0E6	47.077	44.290
10)	B gamma-Chl...	5.909	5.046	184.9E6	273.3E6	48.594	46.486
11)	B alpha-Chl...	5.989	5.110	184.1E6	269.1E6	47.766	45.614
12)	B 4,4'-DDE	6.159	5.299	155.6E6	255.4E6	48.470	46.309
13)	MA Dieldrin	6.308	5.430	175.5E6	269.0E6	47.289m	45.551
14)	MA Endrin	6.534	5.704	136.0E6	224.9E6	44.920m	41.610
15)	B Endosulfa...	6.748	5.996	154.6E6	233.2E6	48.264	45.402
16)	A 4,4'-DDD	6.668	5.851	126.0E6	224.0E6	49.838	47.597
17)	MA 4,4'-DDT	6.982	6.104	122.8E6	203.7E6	42.833	40.268
18)	B Endrin al...	6.877	6.174	109.8E6	181.2E6	51.187	49.858
19)	B Endosulfa...	7.109	6.398	129.2E6	220.7E6	44.960m	43.397
20)	A Methoxychlor	7.455	6.674	59447197	110.5E6	40.486	40.325m
21)	B Endrin ke...	7.590	6.902	144.9E6	265.5E6	48.177	47.664
22)	Mirex	8.068	7.090	113.4E6	198.2E6	45.736m	45.442m

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

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Data File : PL096847.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Aug 2025 12:10
Operator : AR\AJ
Sample : PB169283BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

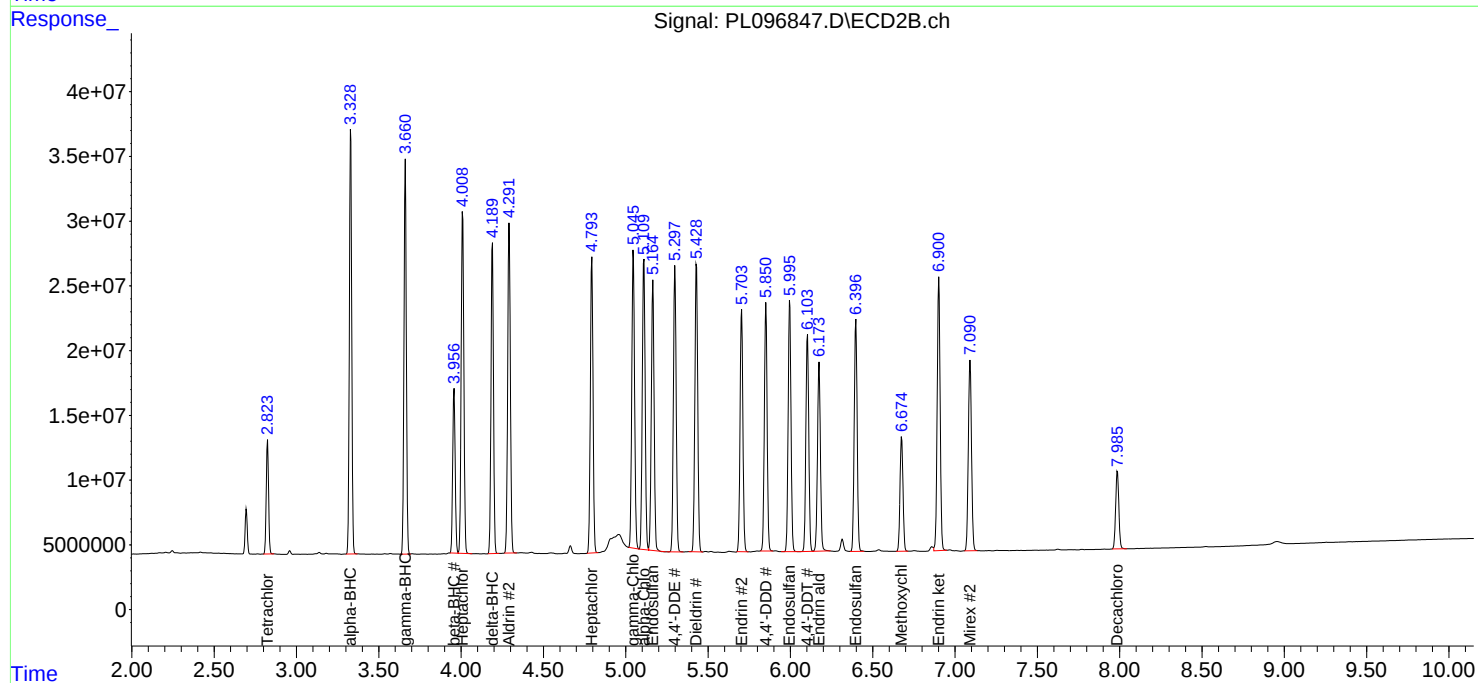
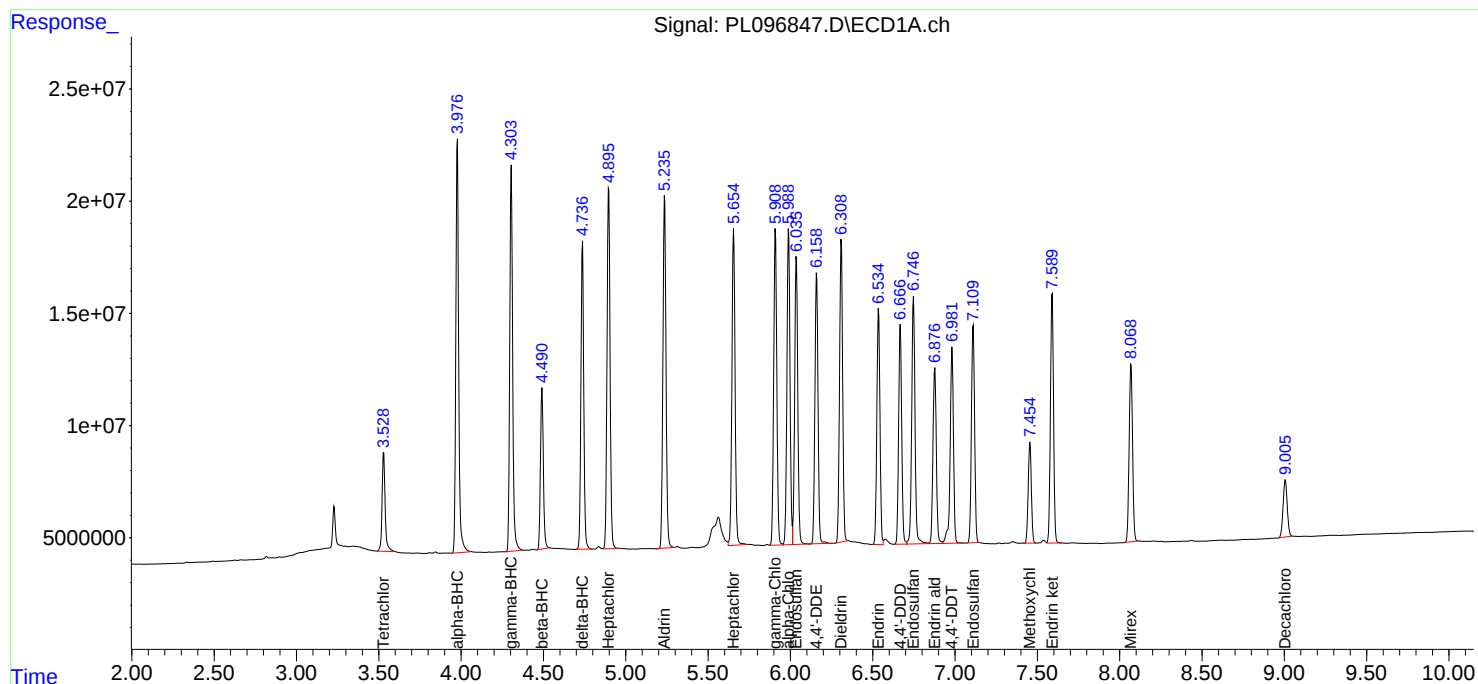
Instrument :
ECD_L
ClientSampleId :
PB169283BS

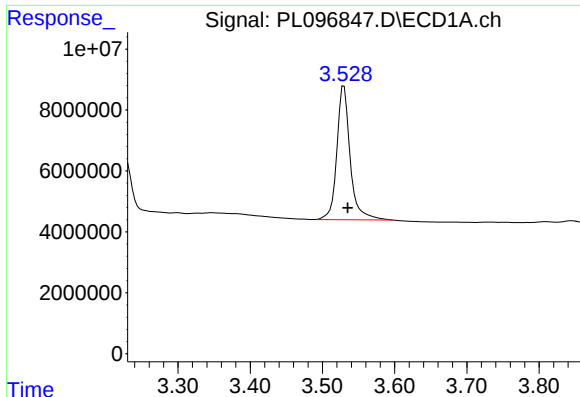
Manual Integrations
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Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 12:39:32 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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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





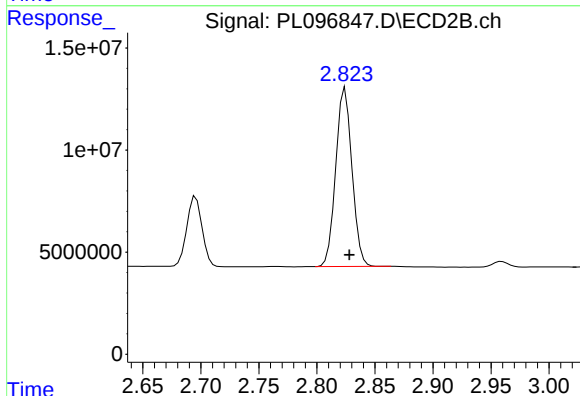
#1 Tetrachloro-m-xylene

R.T.: 3.528 min
Delta R.T.: -0.007 min
Response: 56391539
Conc: 17.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

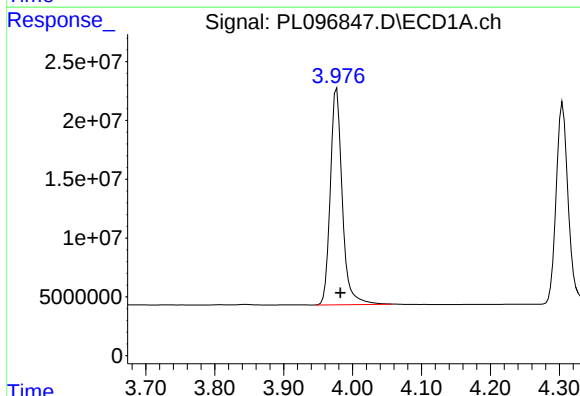
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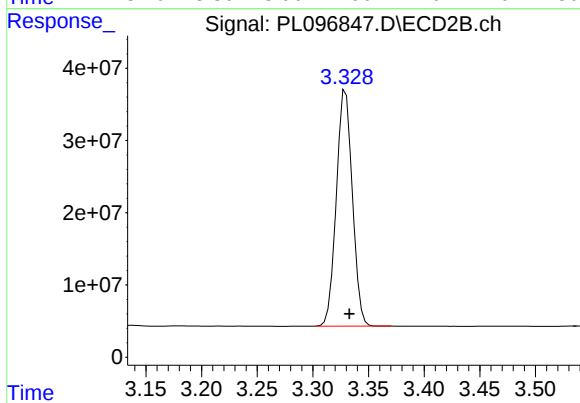
#1 Tetrachloro-m-xylene

R.T.: 2.824 min
Delta R.T.: -0.004 min
Response: 85423312
Conc: 17.88 ng/ml



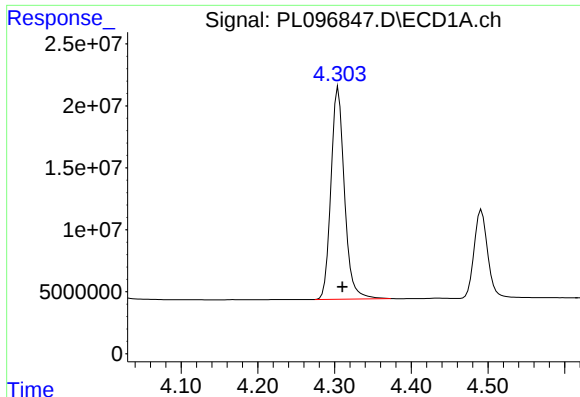
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 221668502
Conc: 47.91 ng/ml m



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 328261593
Conc: 46.38 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 208891612
Conc: 47.22 ng/ml

Instrument :

ECD_L

ClientSampleId :

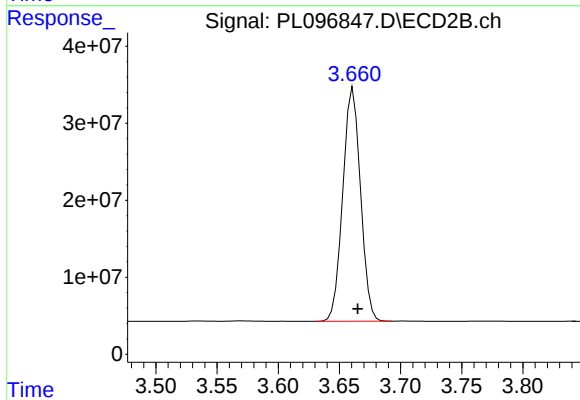
PB169283BS

Manual Integrations

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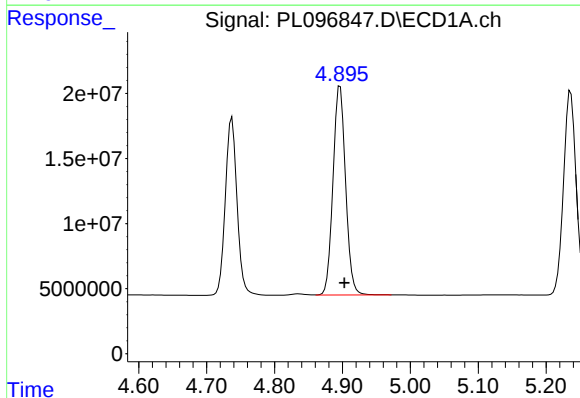
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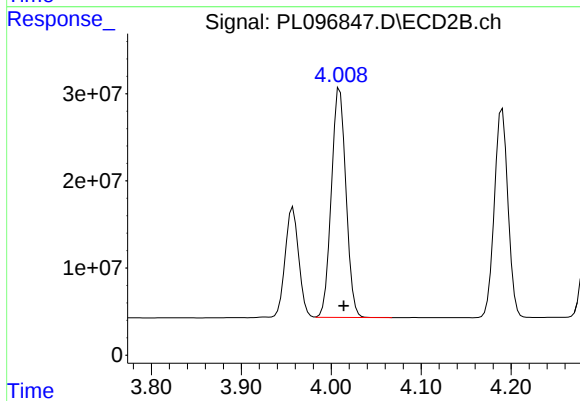
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: -0.004 min
Response: 306029867
Conc: 46.34 ng/ml



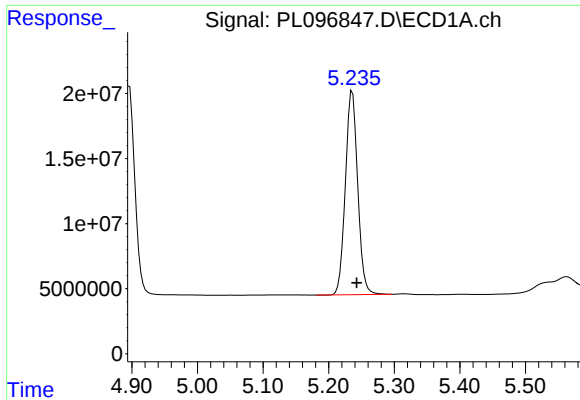
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.006 min
Response: 206766158
Conc: 49.75 ng/ml



#4 Heptachlor

R.T.: 4.010 min
Delta R.T.: -0.004 min
Response: 296430015
Conc: 44.50 ng/ml



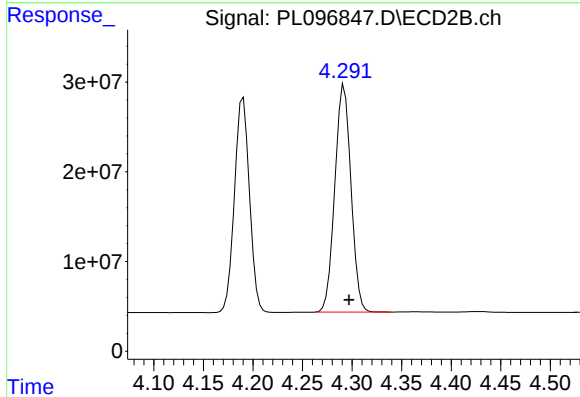
#5 Aldrin

R.T.: 5.236 min
Delta R.T.: -0.007 min
Response: 204735561
Conc: 47.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

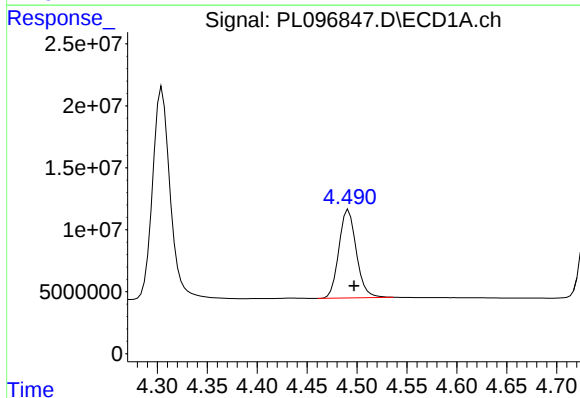
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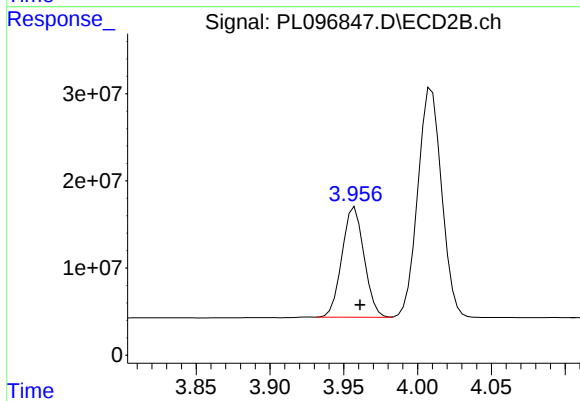
#5 Aldrin

R.T.: 4.292 min
Delta R.T.: -0.005 min
Response: 287331635
Conc: 46.29 ng/ml



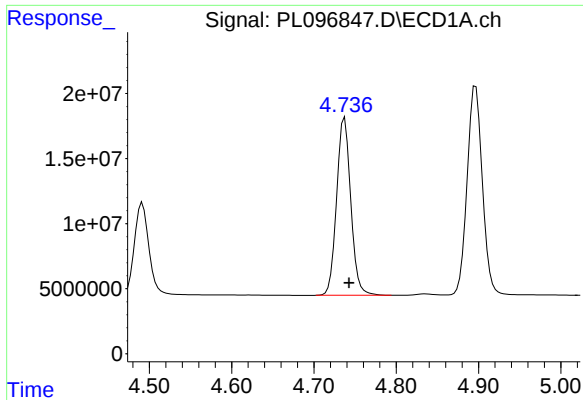
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 86509512
Conc: 47.93 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 131590493
Conc: 46.65 ng/ml



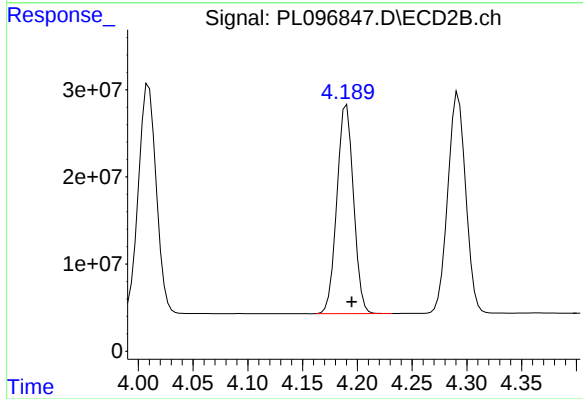
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 163184203
Conc: 40.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

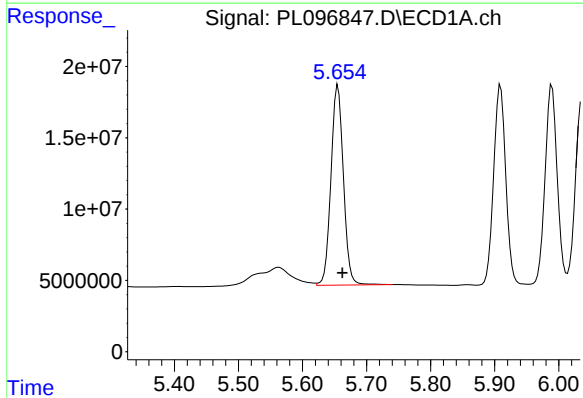
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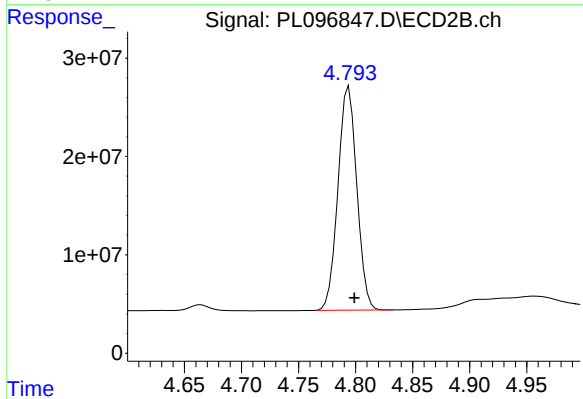
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: -0.005 min
Response: 252376658
Conc: 38.99 ng/ml



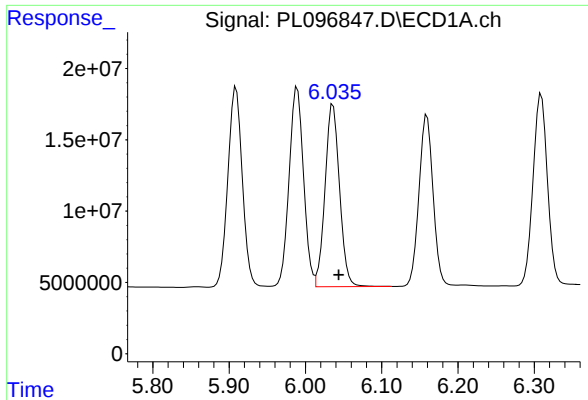
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 189750444
Conc: 49.20 ng/ml



#8 Heptachlor epoxide

R.T.: 4.794 min
Delta R.T.: -0.005 min
Response: 261579883
Conc: 45.80 ng/ml



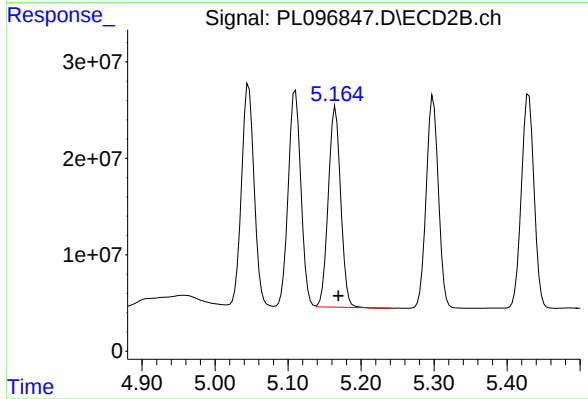
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 169307780
Conc: 47.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

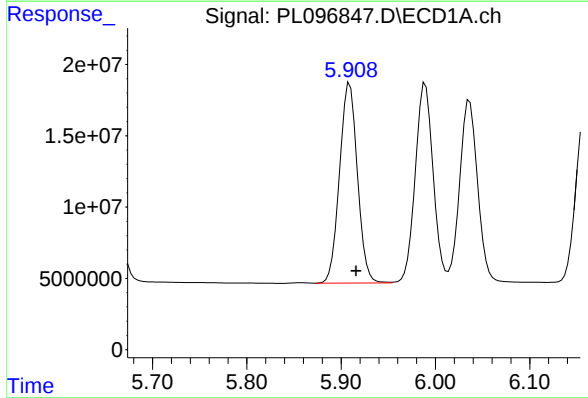
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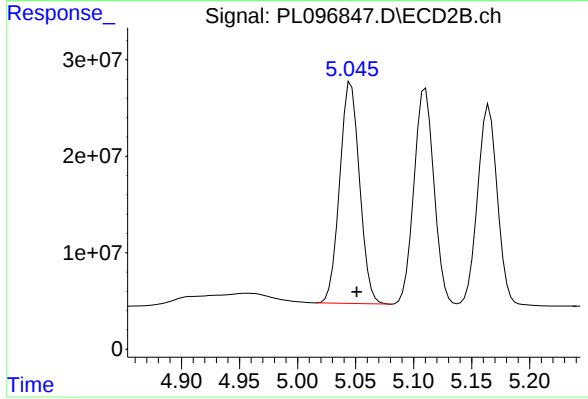
#9 Endosulfan I

R.T.: 5.165 min
Delta R.T.: -0.004 min
Response: 244986582
Conc: 44.29 ng/ml



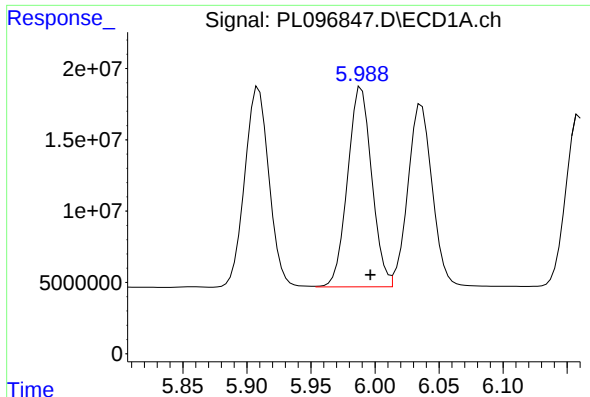
#10 gamma-Chlordane

R.T.: 5.909 min
Delta R.T.: -0.007 min
Response: 184909840
Conc: 48.59 ng/ml



#10 gamma-Chlordane

R.T.: 5.046 min
Delta R.T.: -0.005 min
Response: 273344427
Conc: 46.49 ng/ml



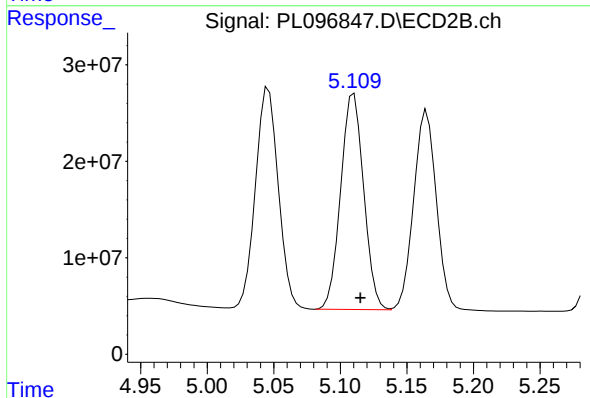
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.007 min
Response: 184120528
Conc: 47.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

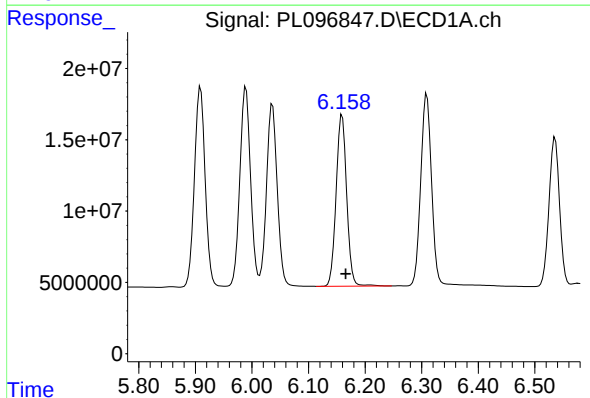
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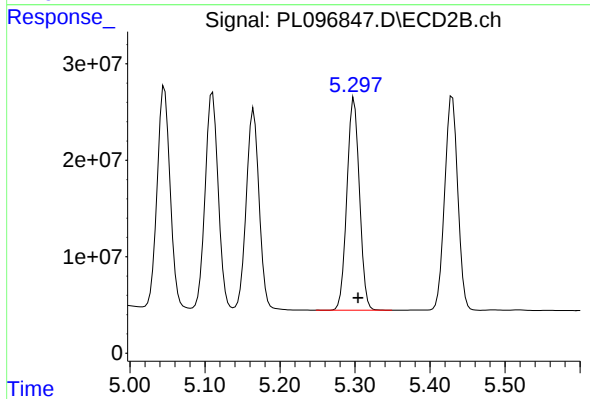
#11 alpha-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.005 min
Response: 269075356
Conc: 45.61 ng/ml



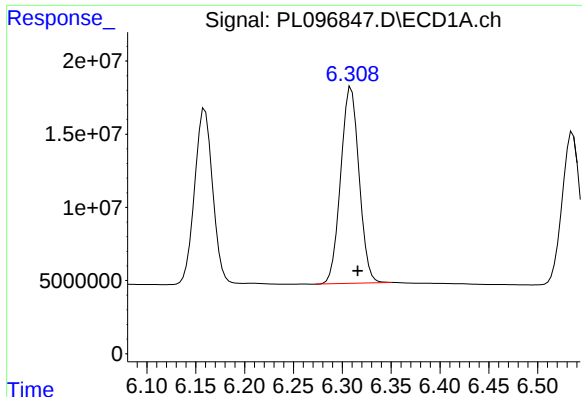
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 155649724
Conc: 48.47 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 255366413
Conc: 46.31 ng/ml



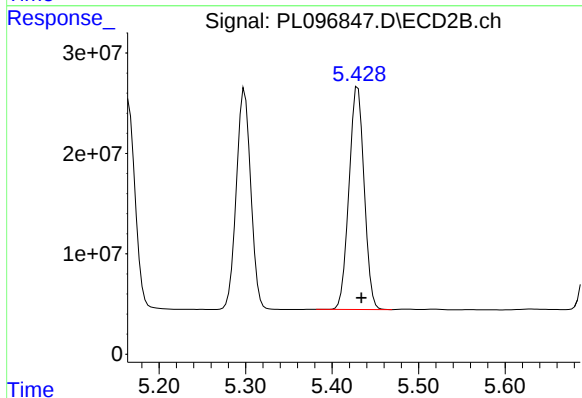
#13 Dieldrin

R.T.: 6.308 min
Delta R.T.: -0.008 min
Response: 175495044
Conc: 47.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

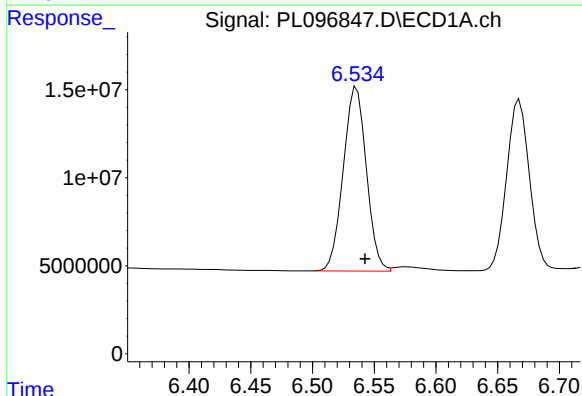
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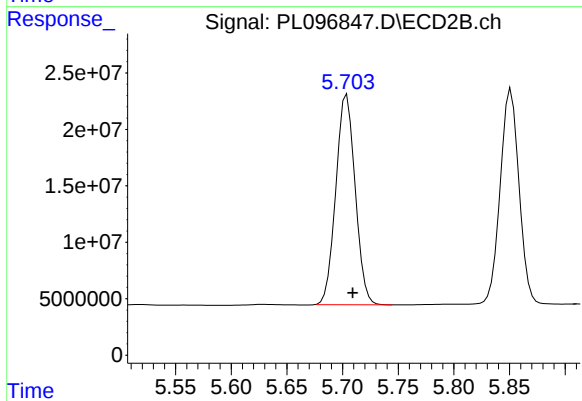
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 269048188
Conc: 45.55 ng/ml



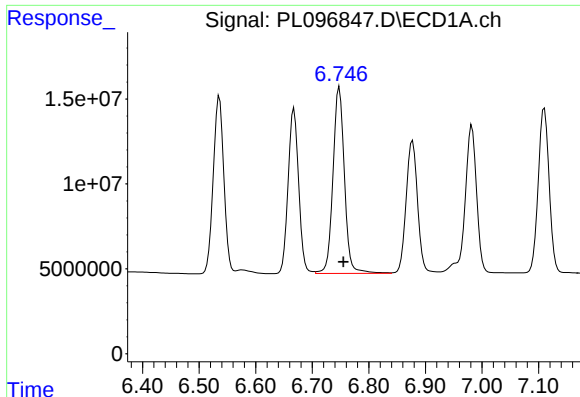
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.008 min
Response: 135963887
Conc: 44.92 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 224943546
Conc: 41.61 ng/ml



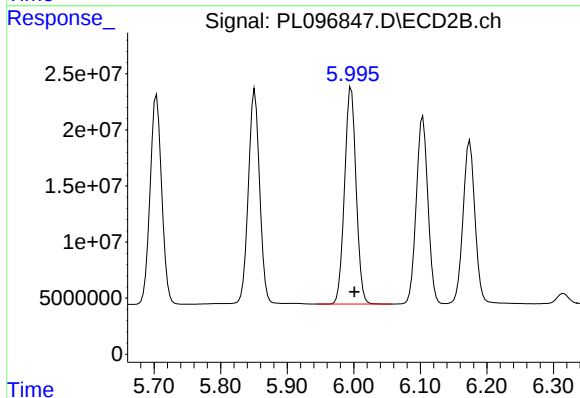
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 154572018
Conc: 48.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

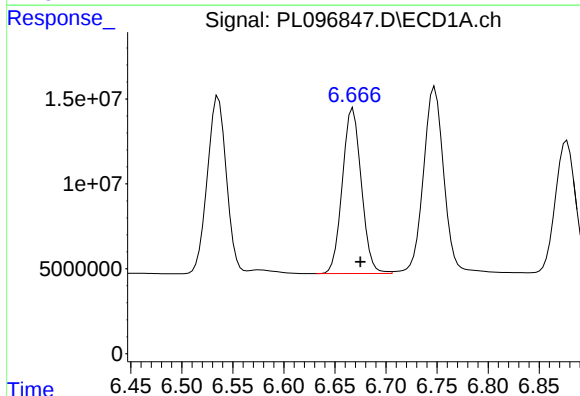
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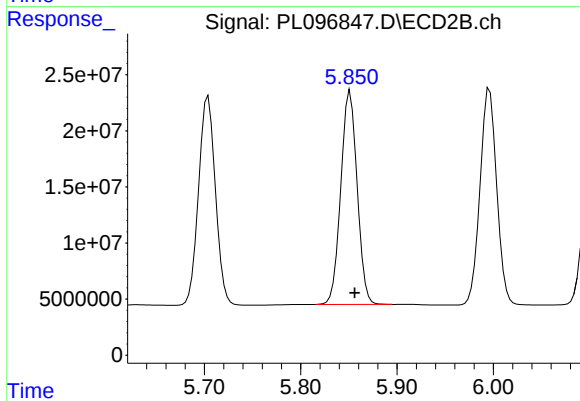
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 233197442
Conc: 45.40 ng/ml



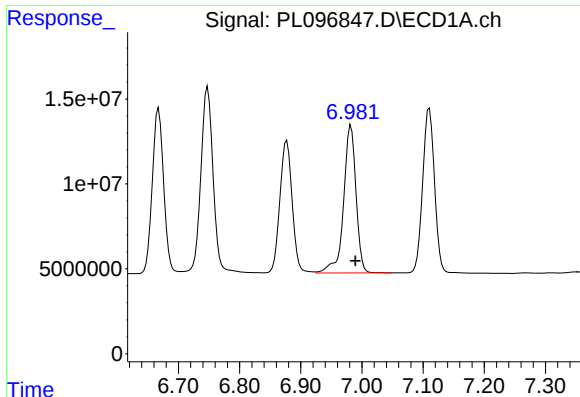
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 126009958
Conc: 49.84 ng/ml



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 223958490
Conc: 47.60 ng/ml



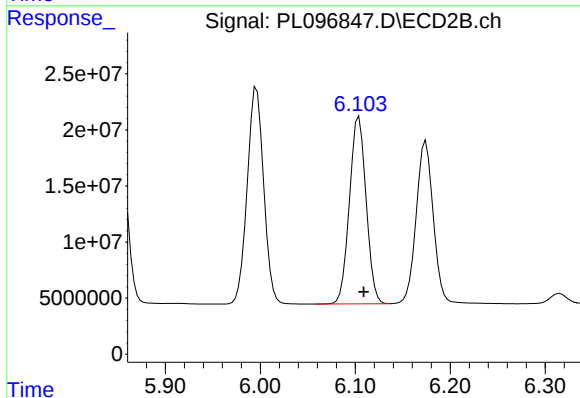
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 122830912
Conc: 42.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

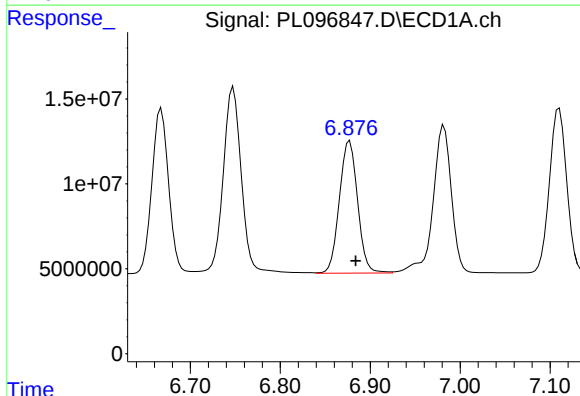
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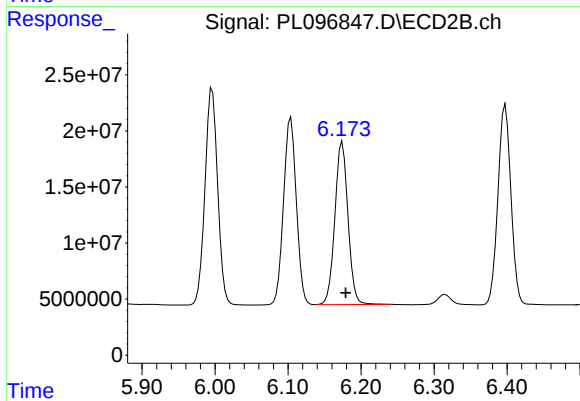
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 203688805
Conc: 40.27 ng/ml



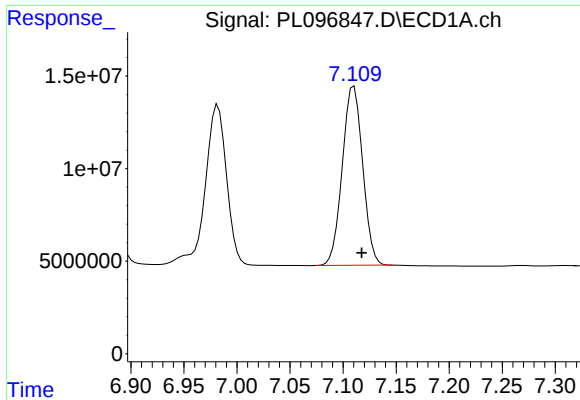
#18 Endrin aldehyde

R.T.: 6.877 min
Delta R.T.: -0.006 min
Response: 109843287
Conc: 51.19 ng/ml



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 181237549
Conc: 49.86 ng/ml



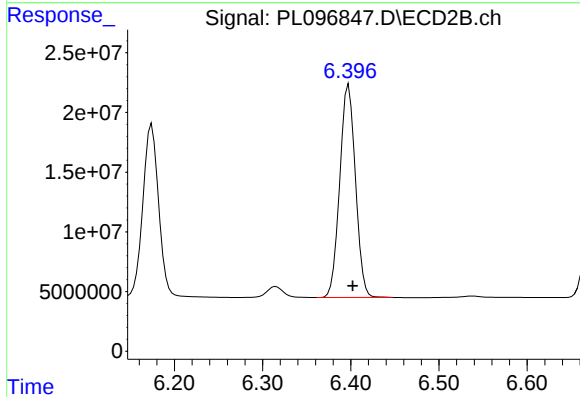
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.009 min
Response: 129200499
Conc: 44.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

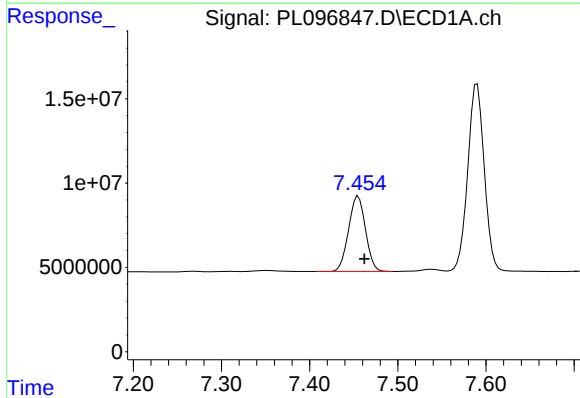
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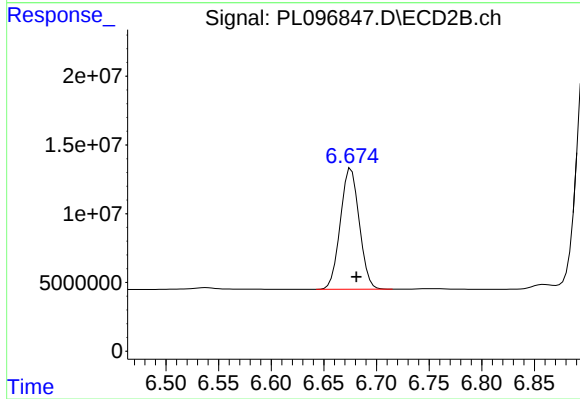
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 220724684
Conc: 43.40 ng/ml



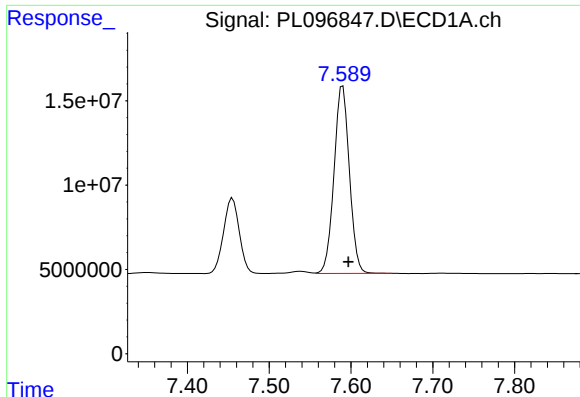
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 59447197
Conc: 40.49 ng/ml



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: -0.007 min
Response: 110509679
Conc: 40.32 ng/ml m



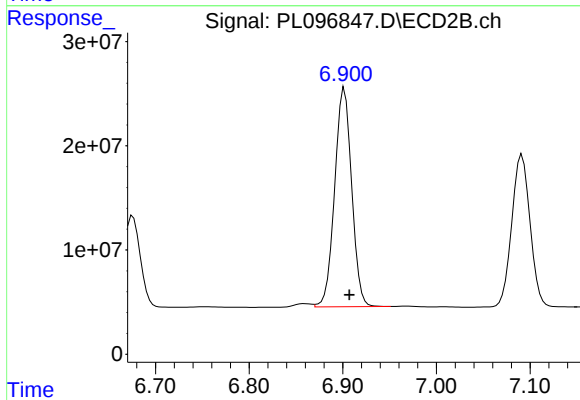
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 144855919
Conc: 48.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

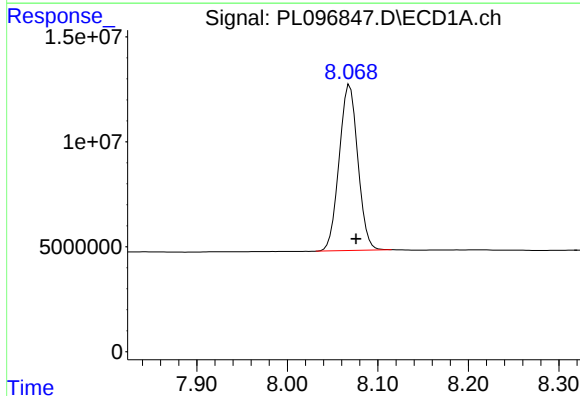
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



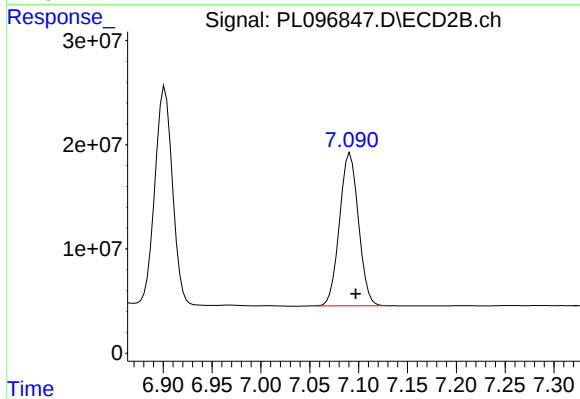
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 265477485
Conc: 47.66 ng/ml



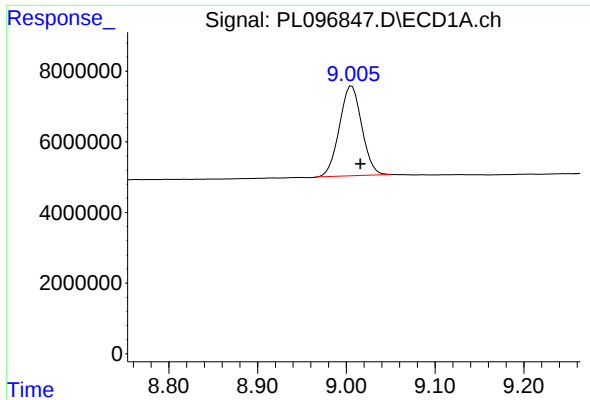
#22 Mirex

R.T.: 8.068 min
Delta R.T.: -0.008 min
Response: 113395670
Conc: 45.74 ng/ml m



#22 Mirex

R.T.: 7.090 min
Delta R.T.: -0.007 min
Response: 198165237
Conc: 45.44 ng/ml m



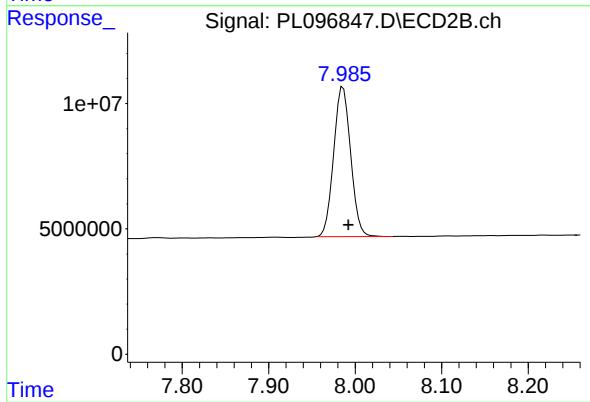
#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 44529707
Conc: 18.67 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169283BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/19/2025
Supervised By :mohammad ahmed 08/20/2025



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 81320165
Conc: 18.74 ng/ml