

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096823.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 16:21
 Operator : AR\AJ
 Sample : PB169225BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169225BS

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 18 05:55:14 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	60775217	94199127	19.107	19.716
28)	SA Decachlor...	9.003	7.987	48814775	90894687	20.470m	20.952
Target Compounds							
2)	A alpha-BHC	3.976	3.330	231.9E6	354.3E6	50.129m	50.066
3)	MA gamma-BHC...	4.303	3.662	219.1E6	330.6E6	49.539m	50.059
4)	MA Heptachlor	4.896	4.011	219.5E6	326.3E6	52.820	48.974
5)	MB Aldrin	5.235	4.293	212.1E6	307.8E6	49.311	49.594
6)	B beta-BHC	4.490	3.958	90346488	140.1E6	50.054m	49.652
7)	B delta-BHC	4.737	4.191	200.6E6	323.8E6	50.286	50.023
8)	B Heptachlo...	5.655	4.795	194.9E6	279.8E6	50.536	48.985
9)	A Endosulfan I	6.036	5.166	176.2E6	263.2E6	48.990	47.574
10)	B gamma-Chl...	5.908	5.047	191.4E6	291.6E6	50.305	49.595
11)	B alpha-Chl...	5.989	5.111	192.7E6	287.4E6	49.982	48.722
12)	B 4,4'-DDE	6.159	5.299	157.6E6	272.8E6	49.062	49.477
13)	MA Dieldrin	6.307	5.430	183.1E6	290.5E6	49.329m	49.185
14)	MA Endrin	6.534	5.705	153.6E6	261.5E6	50.761m	48.378
15)	B Endosulfa...	6.748	5.996	162.5E6	250.1E6	50.742	48.697
16)	A 4,4'-DDD	6.667	5.852	127.2E6	232.6E6	50.315	49.441
17)	MA 4,4'-DDT	6.982	6.104	142.3E6	245.6E6	49.616	48.551
18)	B Endrin al...	6.876	6.174	114.1E6	199.7E6	53.165	54.945
19)	B Endosulfa...	7.109	6.398	138.2E6	246.6E6	48.092m	48.484
20)	A Methoxychlor	7.454	6.676	71535659	132.8E6	48.718	48.452
21)	B Endrin ke...	7.589	6.902	147.3E6	288.7E6	48.986	51.834
22)	Mirex	8.067	7.092	119.6E6	213.1E6	48.231m	48.857

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

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Data File : PL096823.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Aug 2025 16:21
Operator : AR\AJ
Sample : PB169225BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

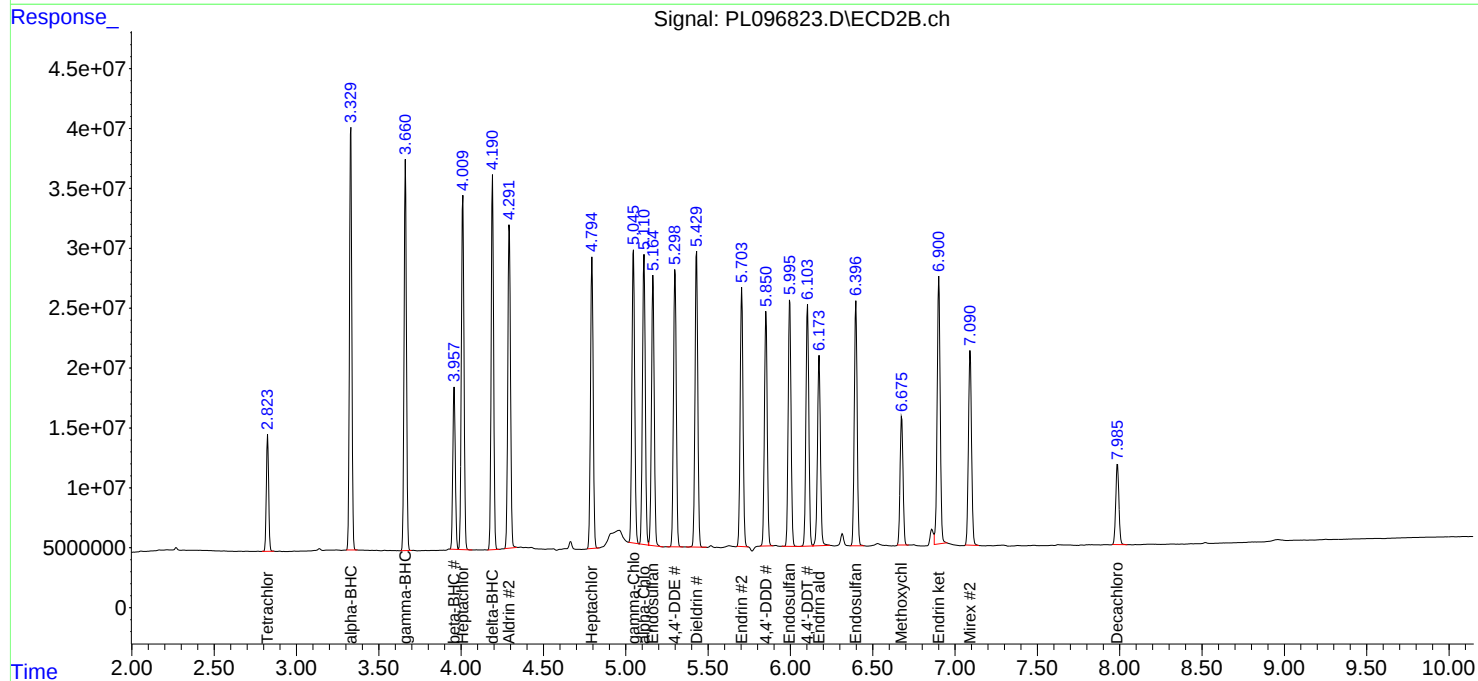
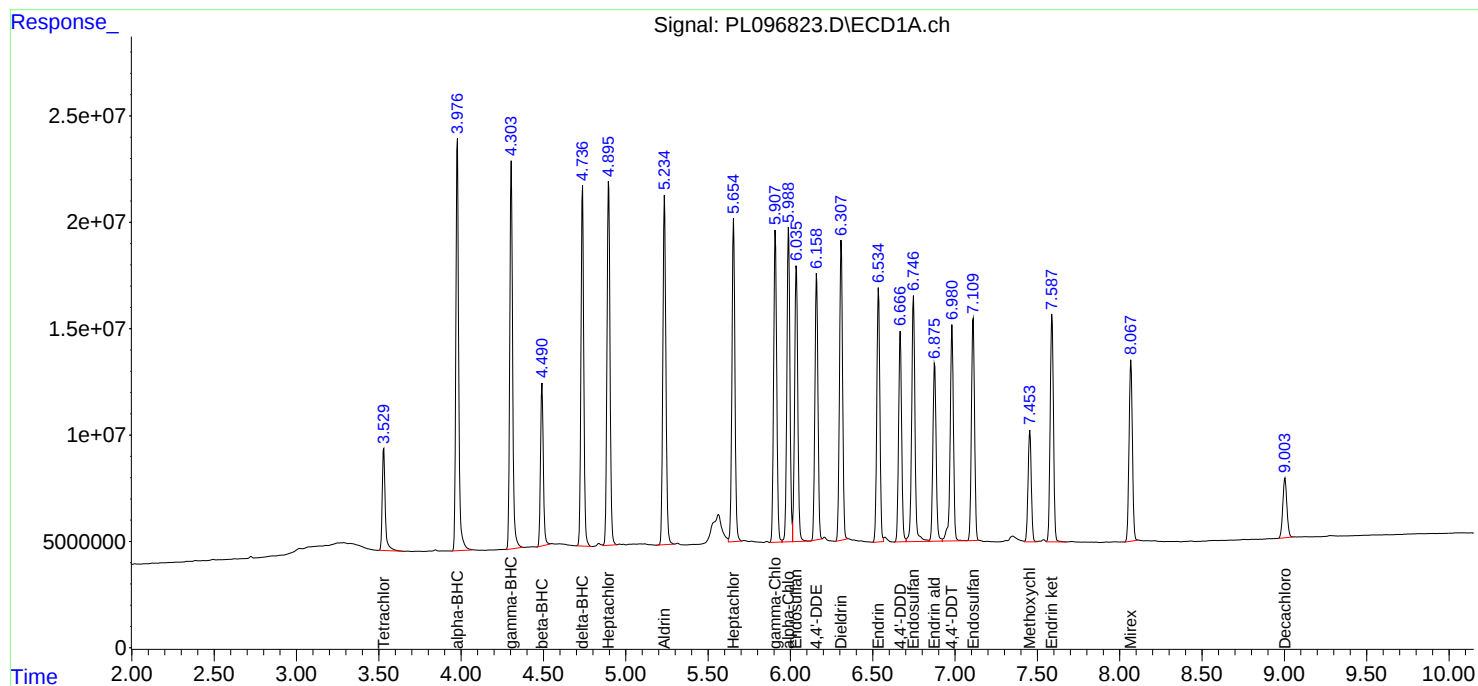
Instrument :
ECD_L
ClientSampleId :
PB169225BS

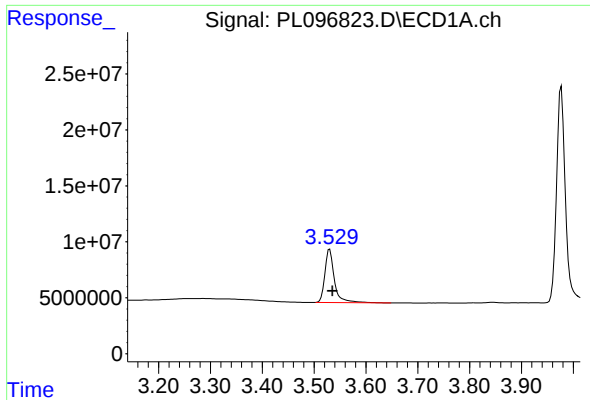
Manual Integrations
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Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 18 05:55:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
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Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





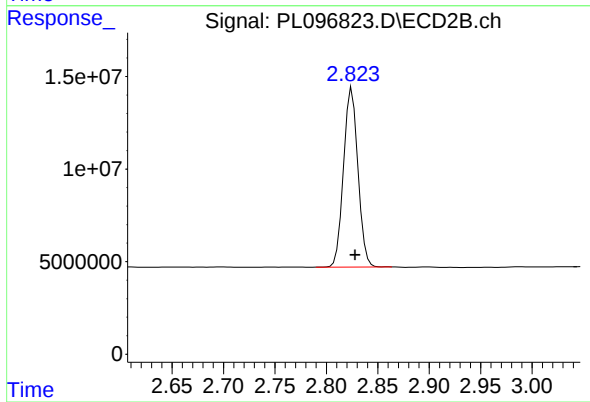
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 60775217
Conc: 19.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

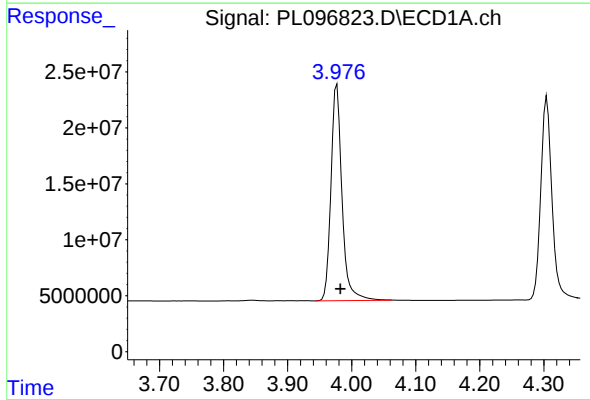
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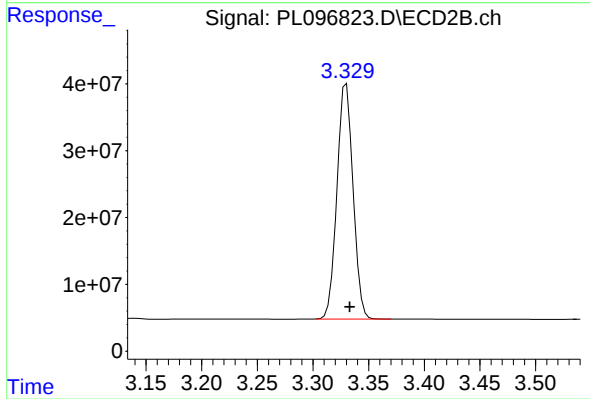
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 94199127
Conc: 19.72 ng/ml



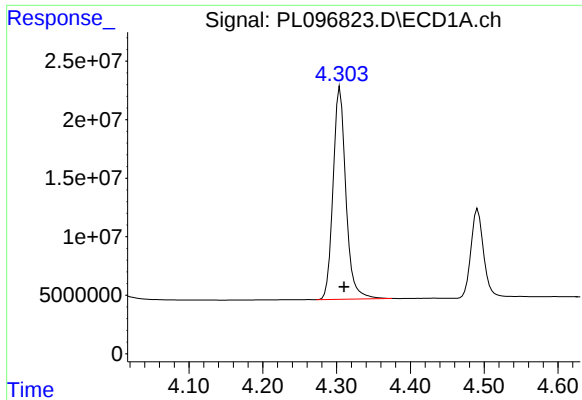
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.007 min
Response: 231916800
Conc: 50.13 ng/ml m



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 354317224
Conc: 50.07 ng/ml



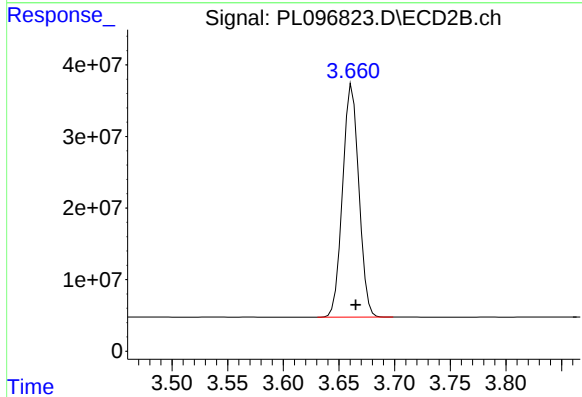
#3 gamma-BHC (Lindane)

R.T.: 4.303 min
Delta R.T.: -0.007 min
Response: 219130977
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

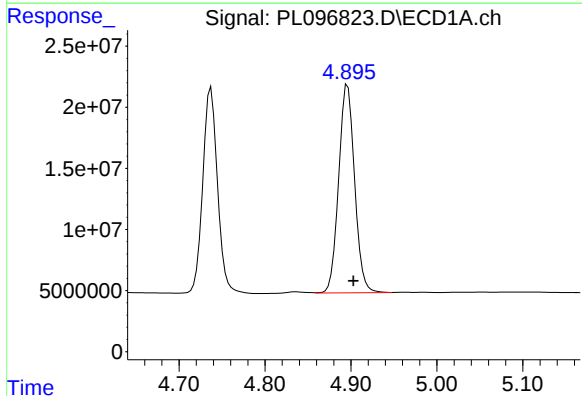
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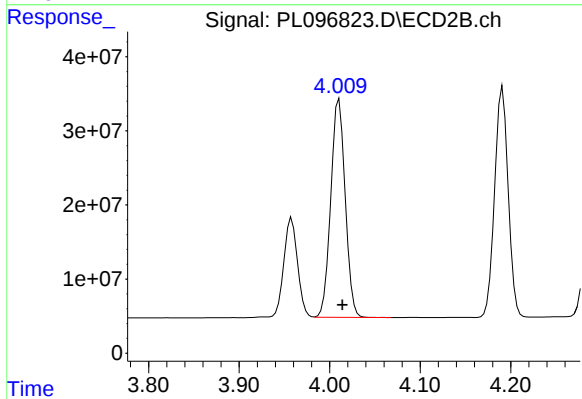
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 330559345
Conc: 50.06 ng/ml



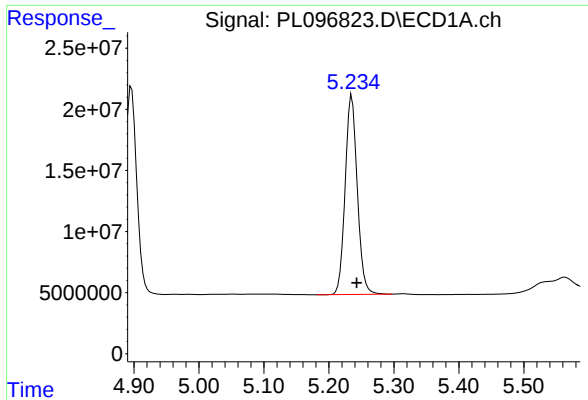
#4 Heptachlor

R.T.: 4.896 min
Delta R.T.: -0.007 min
Response: 219501777
Conc: 52.82 ng/ml



#4 Heptachlor

R.T.: 4.011 min
Delta R.T.: -0.003 min
Response: 326259099
Conc: 48.97 ng/ml



#5 Aldrin

R.T.: 5.235 min
Delta R.T.: -0.008 min
Response: 212087085
Conc: 49.31 ng/ml

Instrument :

ECD_L

ClientSampleId :

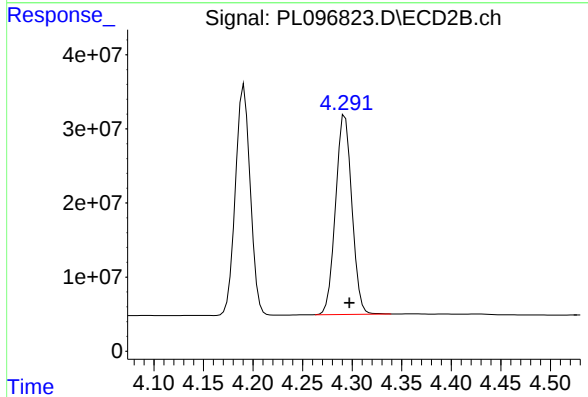
PB169225BS

Manual Integrations

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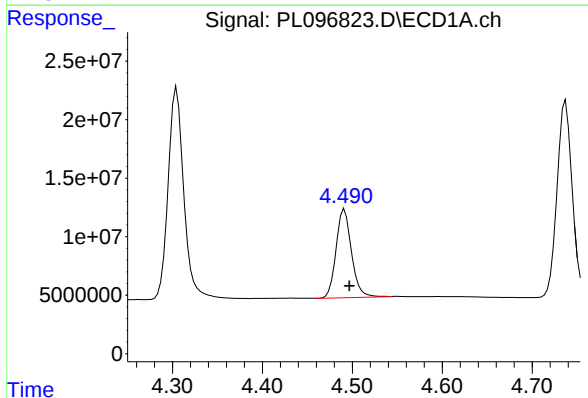
Reviewed By :Abdul Mirza 08/20/2025

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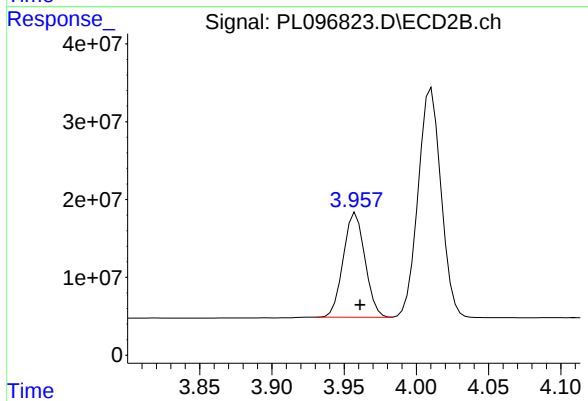
#5 Aldrin

R.T.: 4.293 min
Delta R.T.: -0.004 min
Response: 307833389
Conc: 49.59 ng/ml



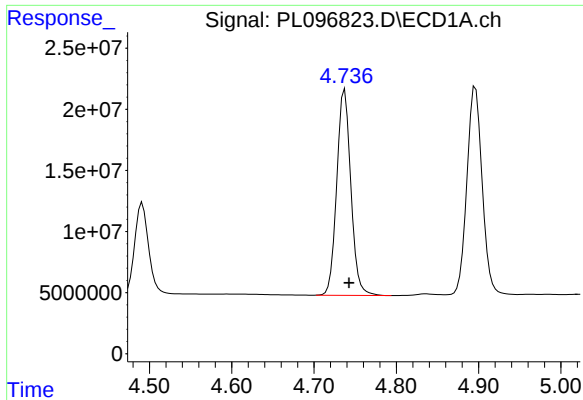
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 90346488
Conc: 50.05 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 140064434
Conc: 49.65 ng/ml



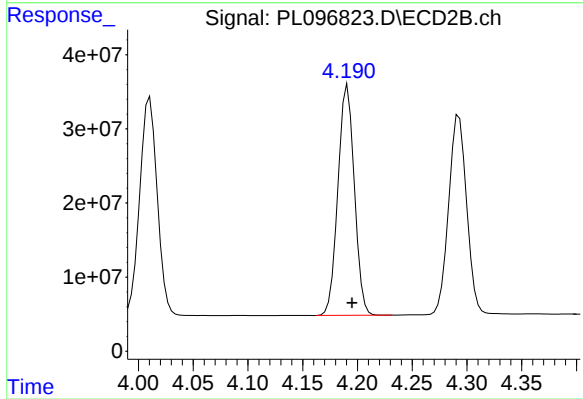
#7 delta-BHC

R.T.: 4.737 min
Delta R.T.: -0.005 min
Response: 200634572
Conc: 50.29 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

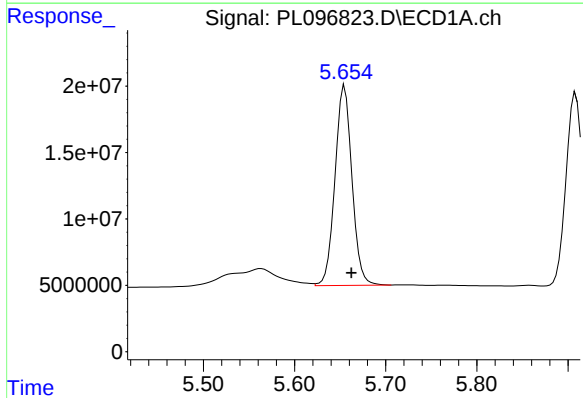
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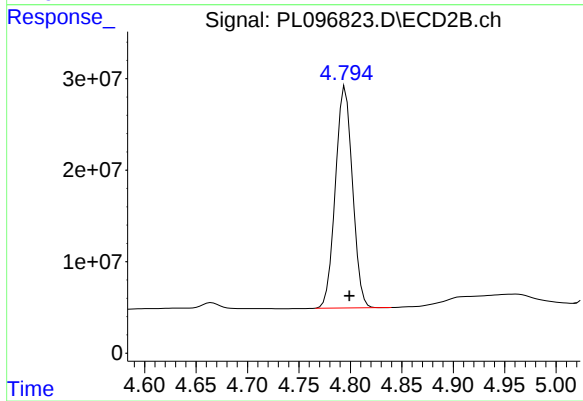
#7 delta-BHC

R.T.: 4.191 min
Delta R.T.: -0.004 min
Response: 323827369
Conc: 50.02 ng/ml



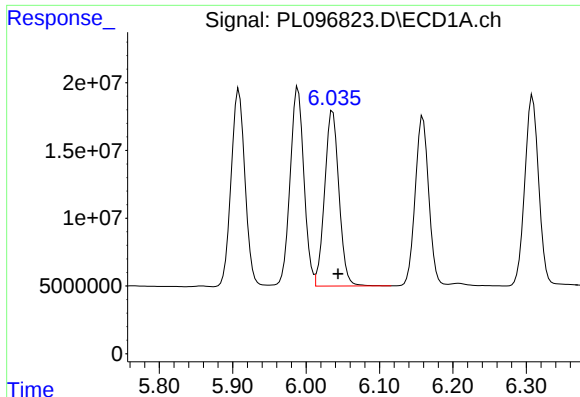
#8 Heptachlor epoxide

R.T.: 5.655 min
Delta R.T.: -0.007 min
Response: 194893536
Conc: 50.54 ng/ml



#8 Heptachlor epoxide

R.T.: 4.795 min
Delta R.T.: -0.004 min
Response: 279768553
Conc: 48.98 ng/ml



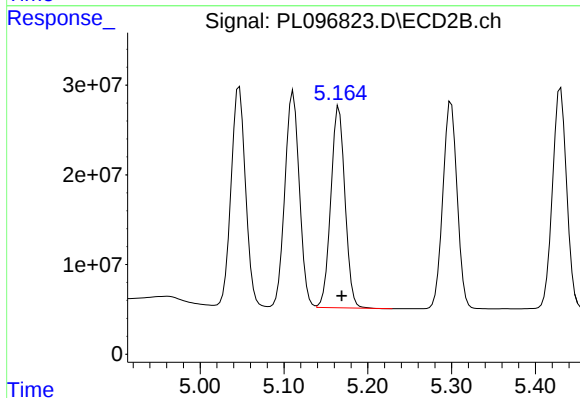
#9 Endosulfan I

R.T.: 6.036 min
Delta R.T.: -0.007 min
Response: 176186217
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

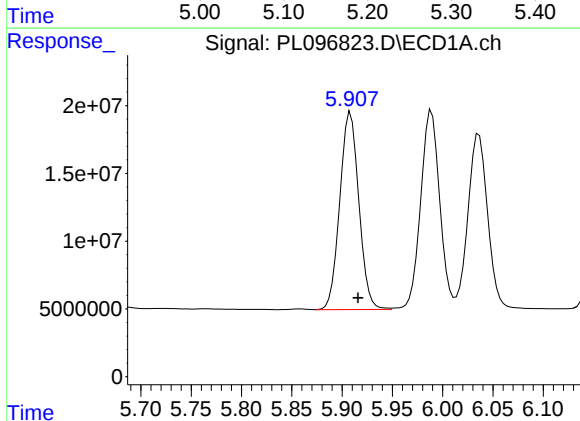
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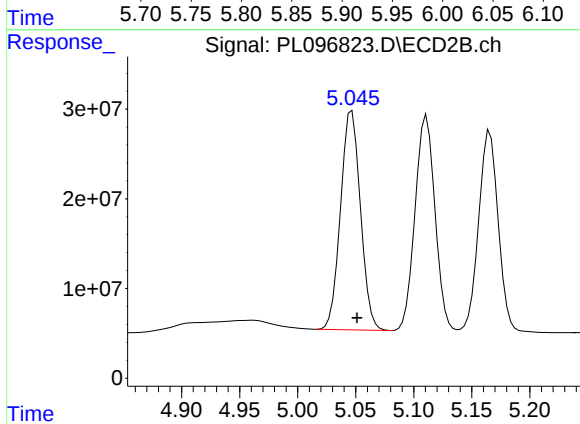
#9 Endosulfan I

R.T.: 5.166 min
Delta R.T.: -0.003 min
Response: 263153744
Conc: 47.57 ng/ml



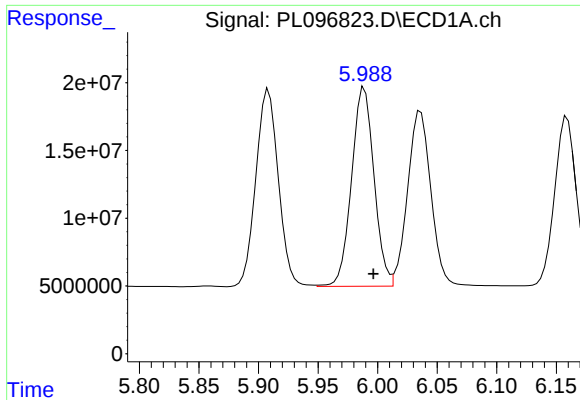
#10 gamma-Chlordane

R.T.: 5.908 min
Delta R.T.: -0.007 min
Response: 191421188
Conc: 50.30 ng/ml



#10 gamma-Chlordane

R.T.: 5.047 min
Delta R.T.: -0.004 min
Response: 291623122
Conc: 49.59 ng/ml



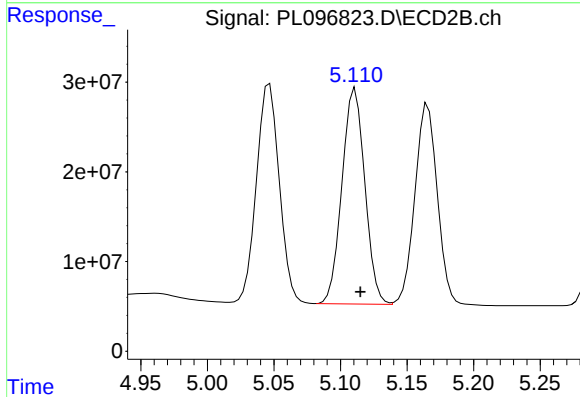
#11 alpha-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.008 min
Response: 192662406
Conc: 49.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

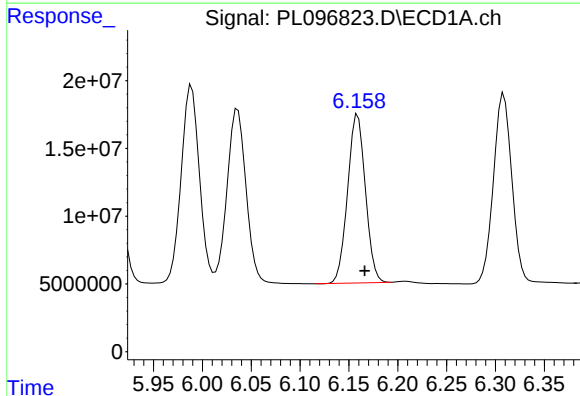
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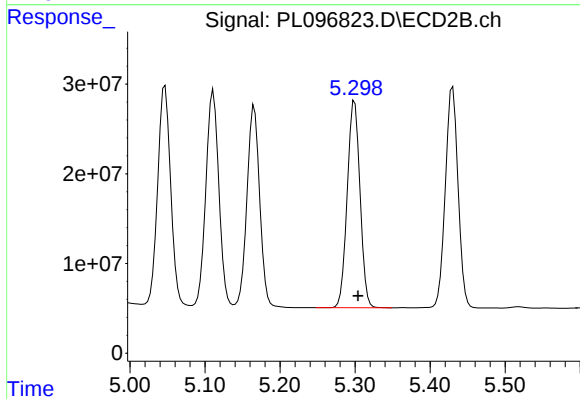
#11 alpha-Chlordane

R.T.: 5.111 min
Delta R.T.: -0.004 min
Response: 287404609
Conc: 48.72 ng/ml



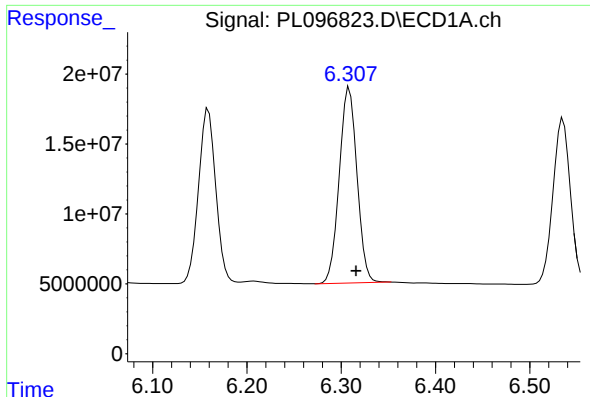
#12 4,4'-DDE

R.T.: 6.159 min
Delta R.T.: -0.007 min
Response: 157550711
Conc: 49.06 ng/ml



#12 4,4'-DDE

R.T.: 5.299 min
Delta R.T.: -0.005 min
Response: 272836065
Conc: 49.48 ng/ml



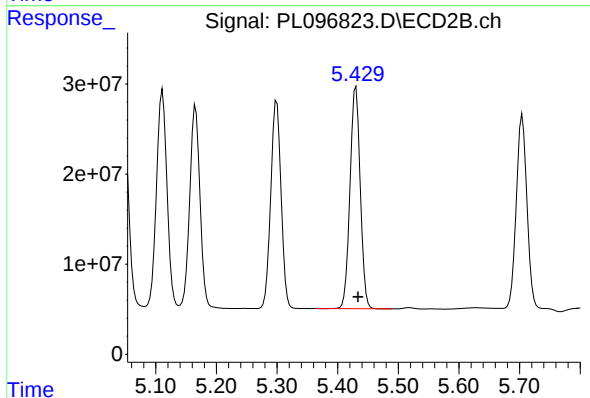
#13 Dieldrin

R.T.: 6.307 min
Delta R.T.: -0.009 min
Response: 183068866
Conc: 49.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

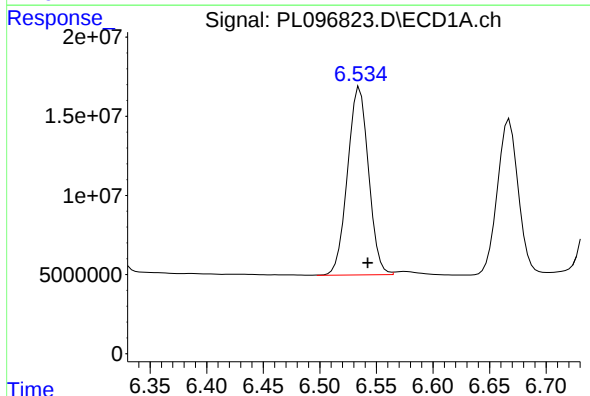
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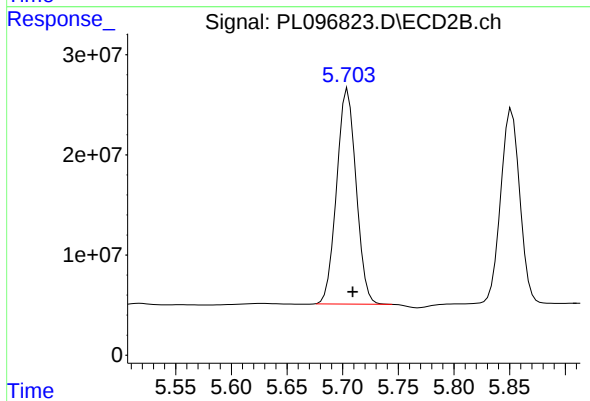
#13 Dieldrin

R.T.: 5.430 min
Delta R.T.: -0.004 min
Response: 290510751
Conc: 49.18 ng/ml



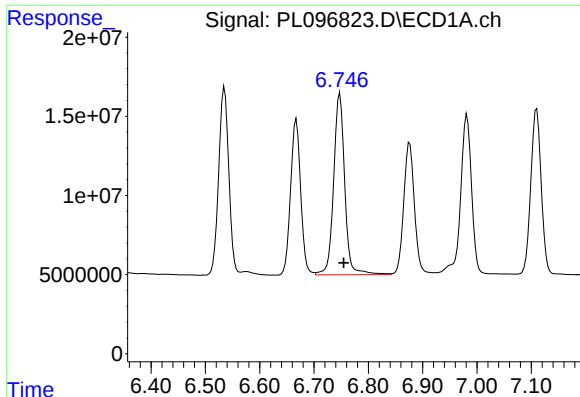
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 153643102
Conc: 50.76 ng/ml m



#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 261530591
Conc: 48.38 ng/ml



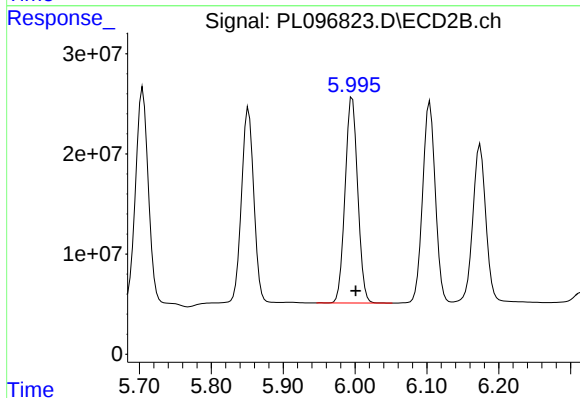
#15 Endosulfan II

R.T.: 6.748 min
Delta R.T.: -0.007 min
Response: 162507755
Conc: 50.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
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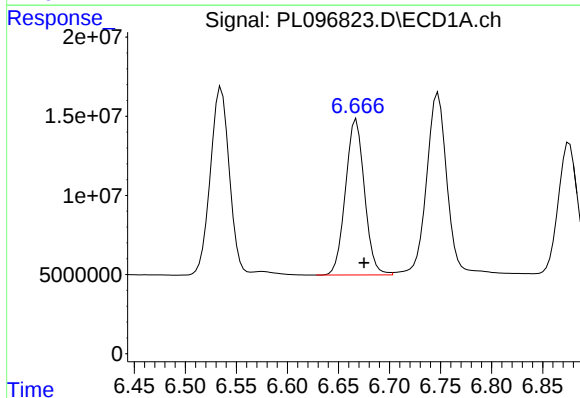
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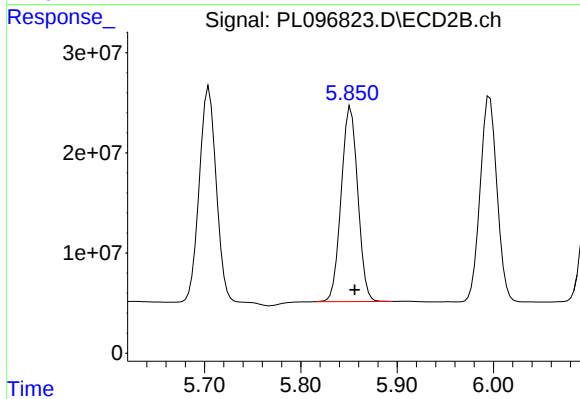
#15 Endosulfan II

R.T.: 5.996 min
Delta R.T.: -0.005 min
Response: 250120283
Conc: 48.70 ng/ml



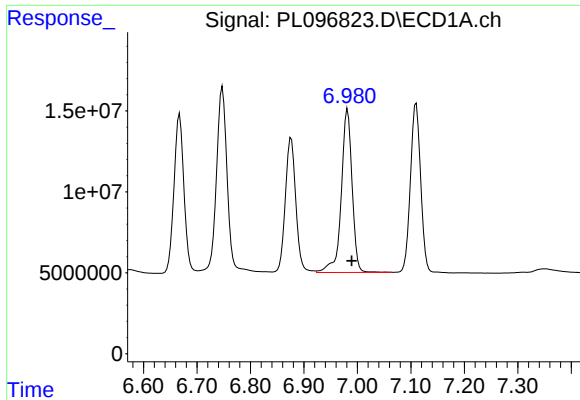
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 127213853
Conc: 50.31 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 232633507
Conc: 49.44 ng/ml



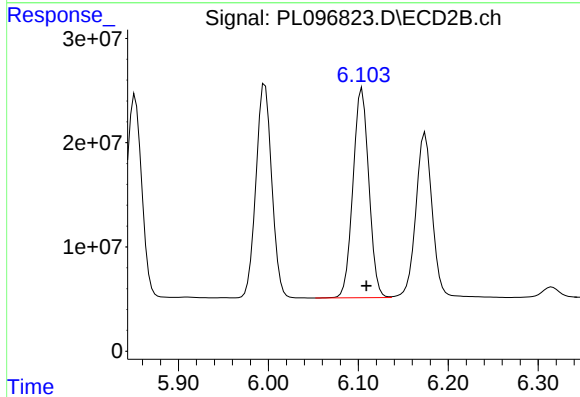
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 142282054
Conc: 49.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

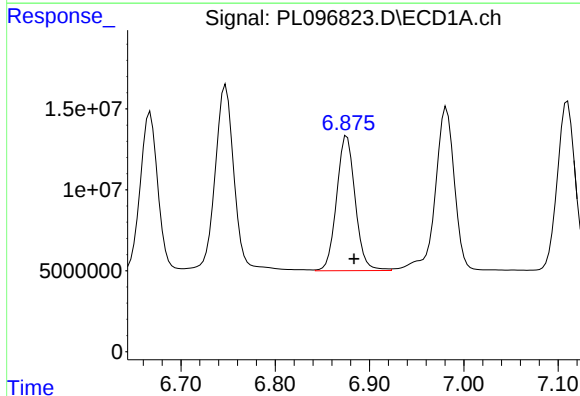
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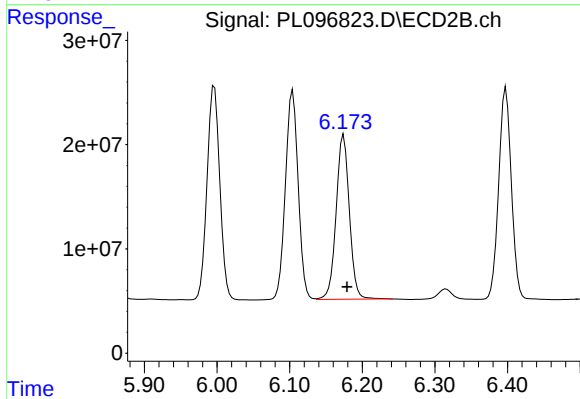
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 245583576
Conc: 48.55 ng/ml



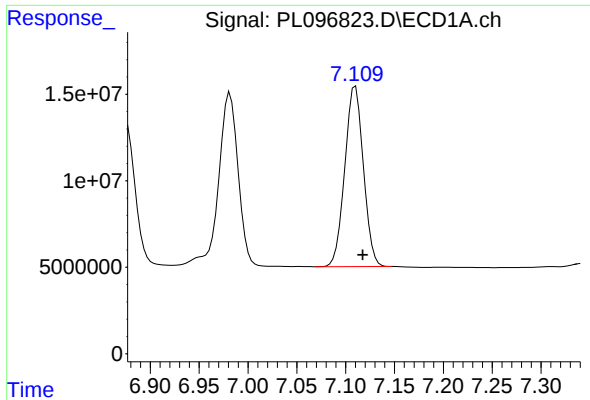
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 114087942
Conc: 53.17 ng/ml



#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 199729538
Conc: 54.95 ng/ml



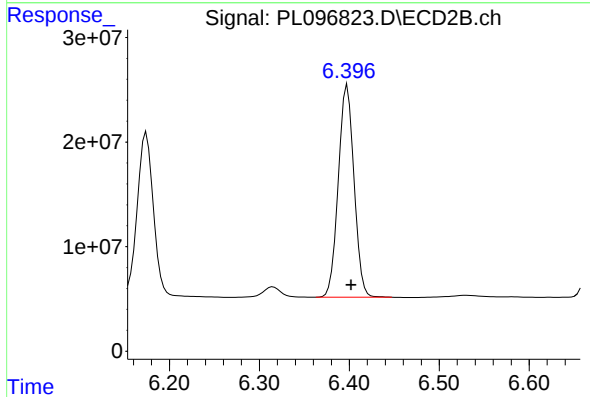
#19 Endosulfan Sulfate

R.T.: 7.109 min
Delta R.T.: -0.009 min
Response: 138200880
Conc: 48.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

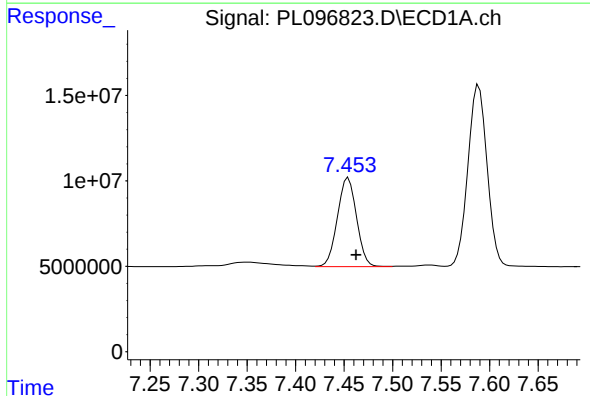
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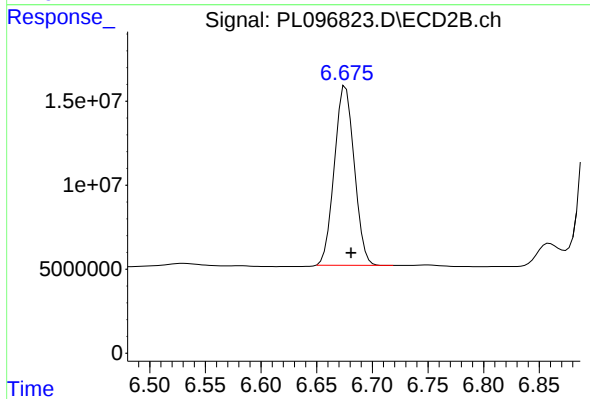
#19 Endosulfan Sulfate

R.T.: 6.398 min
Delta R.T.: -0.004 min
Response: 246600399
Conc: 48.48 ng/ml



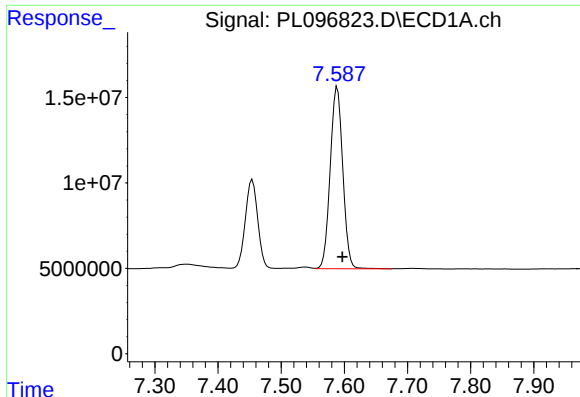
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 71535659
Conc: 48.72 ng/ml



#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 132781179
Conc: 48.45 ng/ml



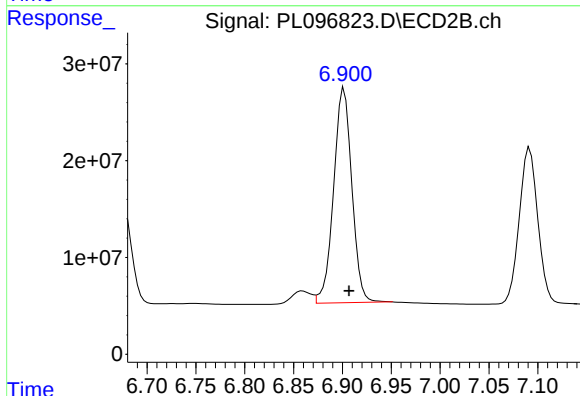
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 147288355
Conc: 48.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

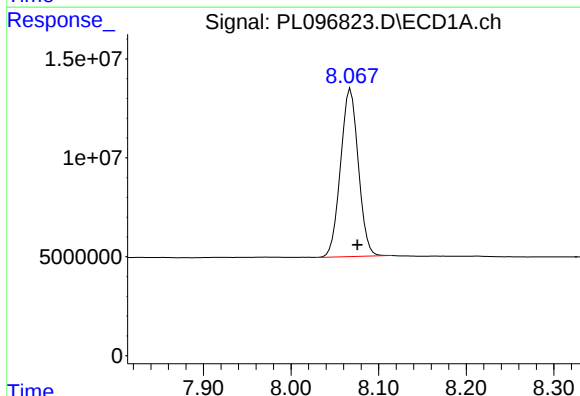
Manual Integrations
APPROVED

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



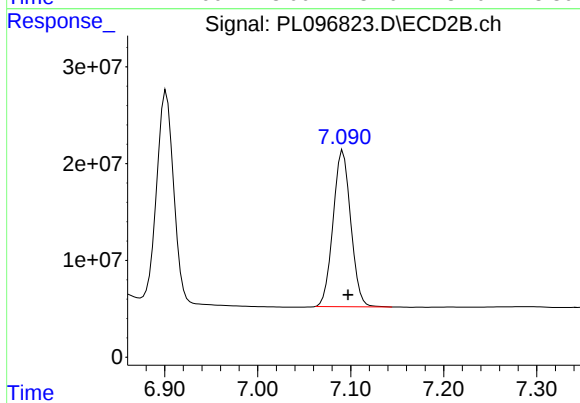
#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 288700248
Conc: 51.83 ng/ml



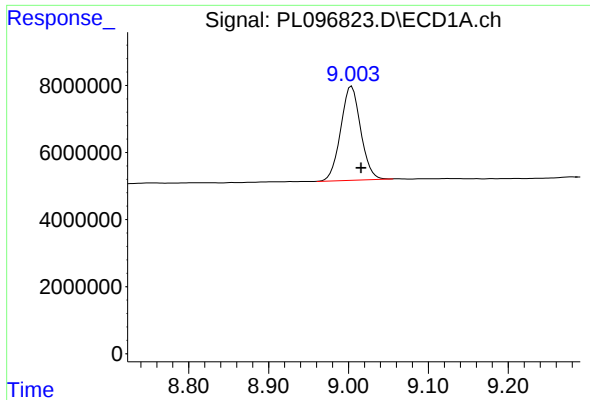
#22 Mirex

R.T.: 8.067 min
Delta R.T.: -0.009 min
Response: 119581307
Conc: 48.23 ng/ml m



#22 Mirex

R.T.: 7.092 min
Delta R.T.: -0.005 min
Response: 213057480
Conc: 48.86 ng/ml



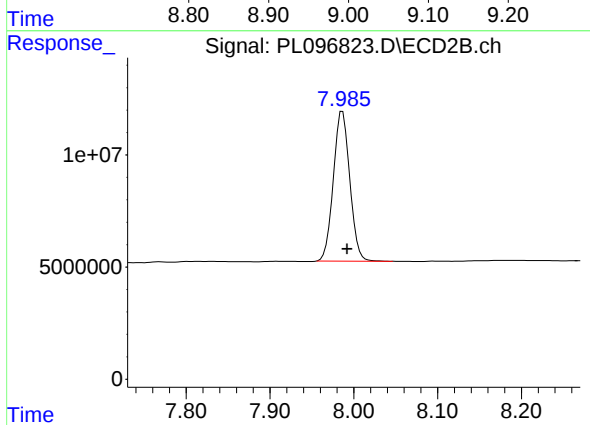
#28 Decachlorobiphenyl

R.T.: 9.003 min
Delta R.T.: -0.013 min
Response: 48814775
Conc: 20.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169225BS

Manual Integrations
APPROVED

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



#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.006 min
Response: 90894687
Conc: 20.95 ng/ml