

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
 Data File : PL097152.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Sep 2025 17:52
 Operator : AR\AJ
 Sample : PB169663BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169663BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/12/2025
 Supervised By : mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 12 01:21:33 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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...	3.527	2.823	84763876	125.8E6	21.493	22.325
28)	SA Decachlor...	8.999	7.982	66640938	121.5E6	22.509	25.333
Target Compounds							
2)	A alpha-BHC	3.973	3.328	288.0E6	423.3E6	49.713	51.556
3)	MA gamma-BHC...	4.301	3.660	267.7E6	394.6E6	49.013	53.566
4)	MA Heptachlor	4.892	4.008	268.0E6	386.7E6	50.263	51.390
5)	MB Aldrin	5.232	4.290	257.7E6	371.1E6	49.044	52.766
6)	B beta-BHC	4.488	3.956	110.2E6	165.6E6	48.170	50.776
7)	B delta-BHC	4.734	4.188	245.2E6	382.1E6	54.496	52.001
8)	B Heptachlo...	5.651	4.792	238.8E6	338.6E6	46.414	53.528
9)	A Endosulfan I	6.033	5.162	210.7E6	317.5E6	49.032	52.998
10)	B gamma-Chl...	5.904	5.043	228.5E6	354.1E6	49.617m	53.557
11)	B alpha-Chl...	5.985	5.107	227.7E6	348.2E6	48.386	53.328
12)	B 4,4'-DDE	6.156	5.296	191.3E6	332.4E6	47.938	54.013
13)	MA Dieldrin	6.305	5.427	222.9E6	349.4E6	49.088	53.323
14)	MA Endrin	6.531	5.701	178.3E6	303.3E6	47.612	51.347
15)	B Endosulfa...	6.744	5.993	195.2E6	301.1E6	44.308	52.649
16)	A 4,4'-DDD	6.664	5.848	155.1E6	286.9E6	49.162	54.937
17)	MA 4,4'-DDT	6.978	6.101	160.3E6	283.0E6	45.780	51.664
18)	B Endrin al...	6.873	6.172	135.7E6	231.5E6	52.160	56.260
19)	B Endosulfa...	7.106	6.395	166.4E6	291.4E6	48.455	52.014
20)	A Methoxychlor	7.451	6.673	78197046	151.4E6	45.057	50.486
21)	B Endrin ke...	7.585	6.899	178.0E6	331.0E6	50.057	52.883
22)	Mirex	8.064	7.088	142.6E6	255.0E6	47.653	52.509

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091325\
Data File : PL097152.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Sep 2025 17:52
Operator : AR\AJ
Sample : PB169663BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

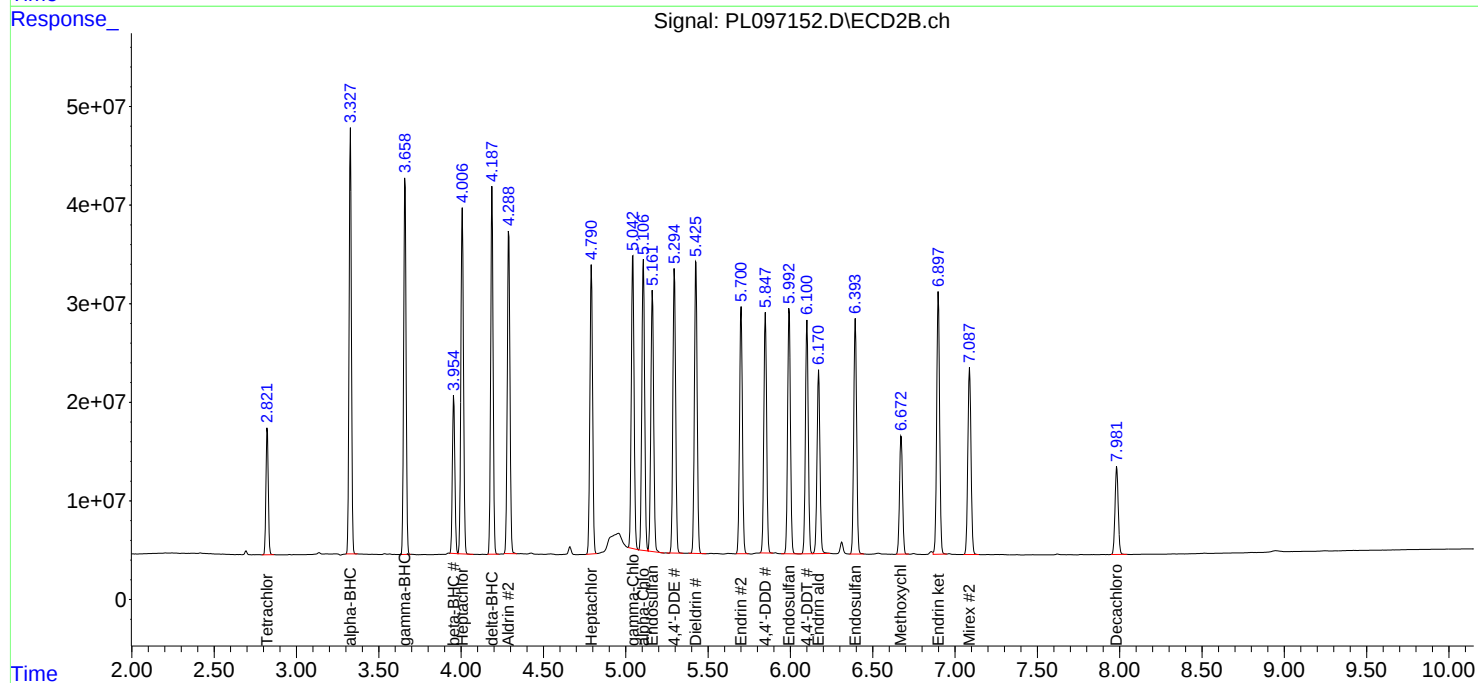
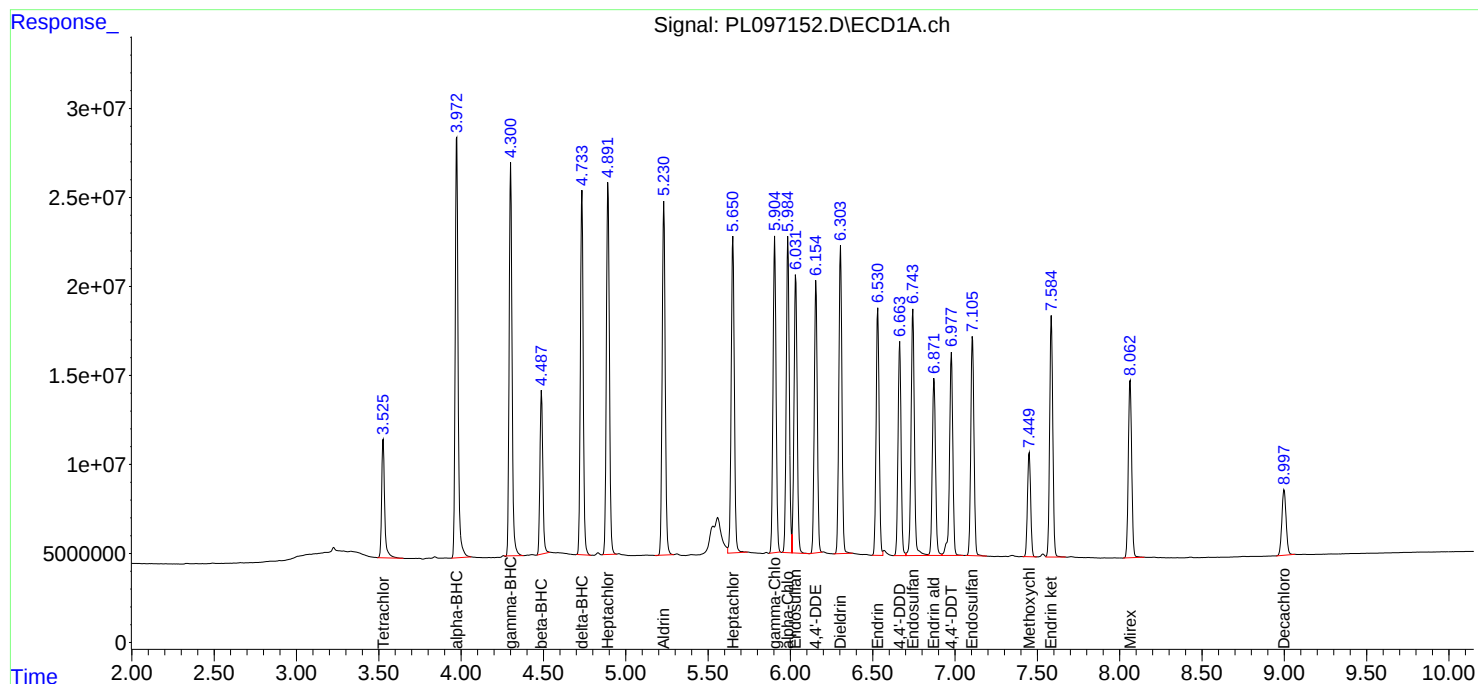
Instrument :
ECD_L
ClientSampleId :
PB169663BS

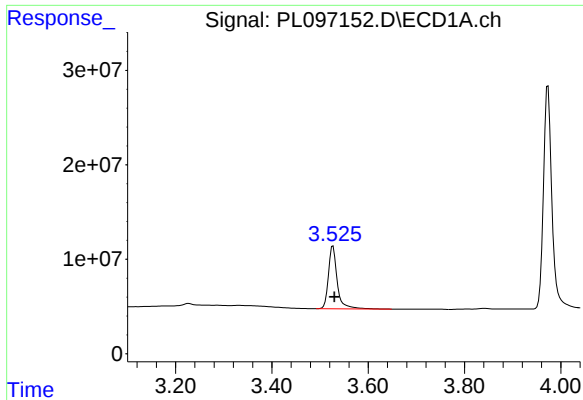
Manual Integrations
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Supervised By :mohammad ahmed 09/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 12 01:21:33 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
Quant Title : GC Extractables
QLast Update : Thu Aug 21 06:34:01 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





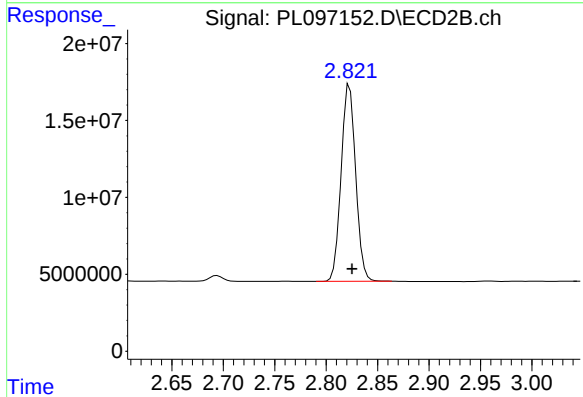
#1 Tetrachloro-m-xylene

R.T.: 3.527 min
Delta R.T.: -0.003 min
Response: 84763876
Conc: 21.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

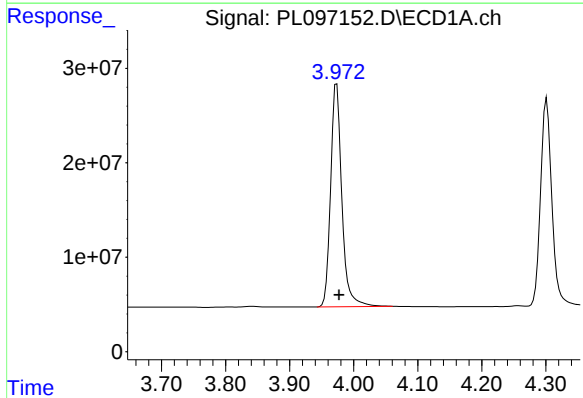
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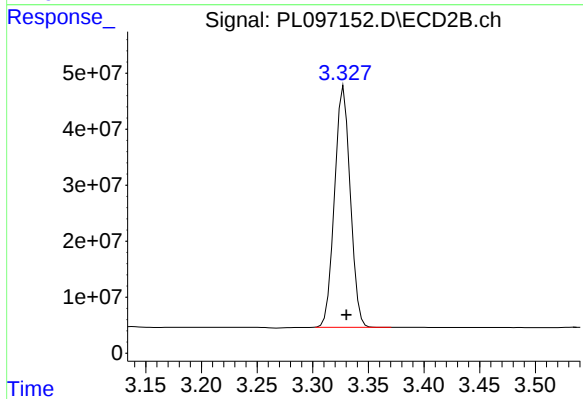
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.002 min
Response: 125839618
Conc: 22.33 ng/ml



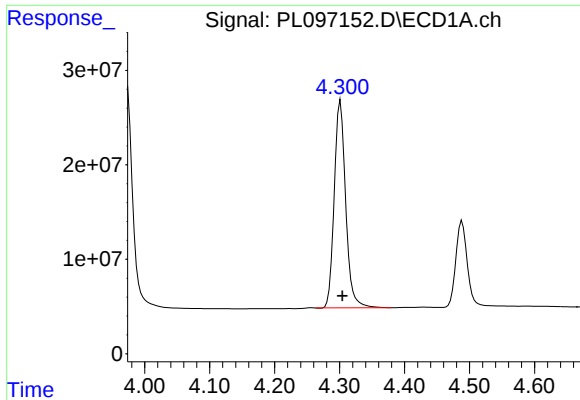
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.004 min
Response: 288037615
Conc: 49.71 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.003 min
Response: 423344457
Conc: 51.56 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.003 min
Response: 267700261
Conc: 49.01 ng/ml

Instrument :

ECD_L

ClientSampleId :

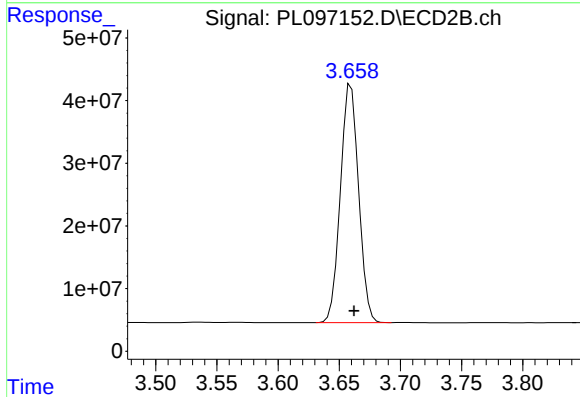
PB169663BS

Manual Integrations

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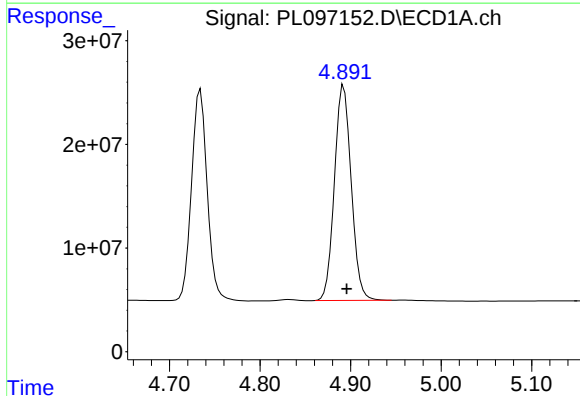
Reviewed By :Abdul Mirza 09/12/2025

Supervised By :mohammad ahmed 09/15/2025



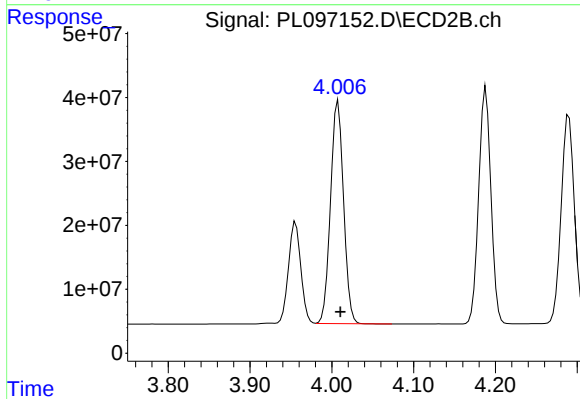
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 394592665
Conc: 53.57 ng/ml



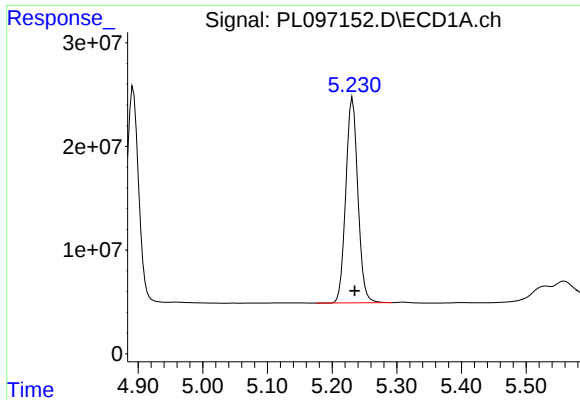
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 268020295
Conc: 50.26 ng/ml



#4 Heptachlor

R.T.: 4.008 min
Delta R.T.: -0.003 min
Response: 386667389
Conc: 51.39 ng/ml



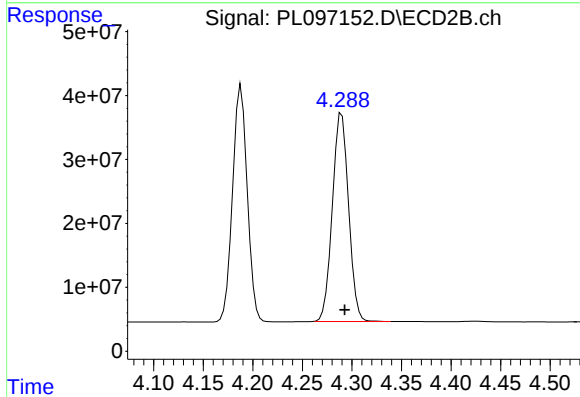
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: -0.004 min
Response: 257653359
Conc: 49.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

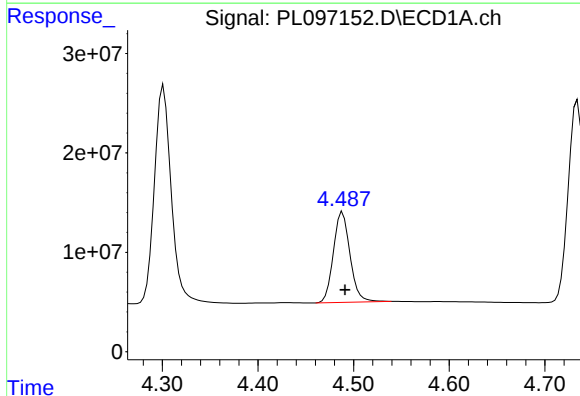
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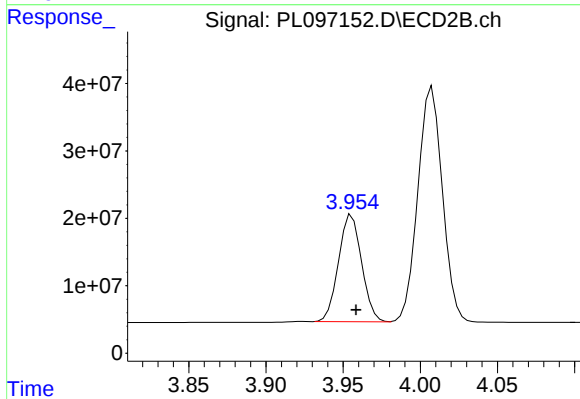
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: -0.003 min
Response: 371094777
Conc: 52.77 ng/ml



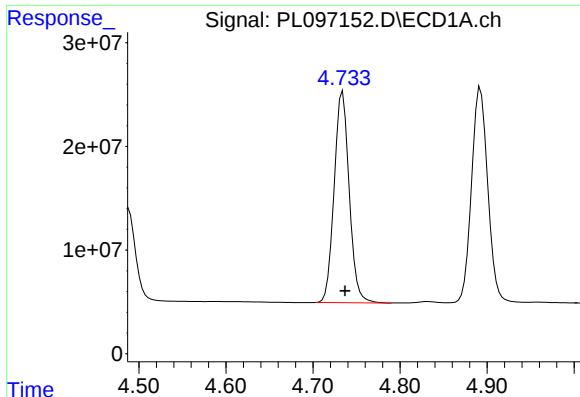
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 110166088
Conc: 48.17 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.003 min
Response: 165644615
Conc: 50.78 ng/ml



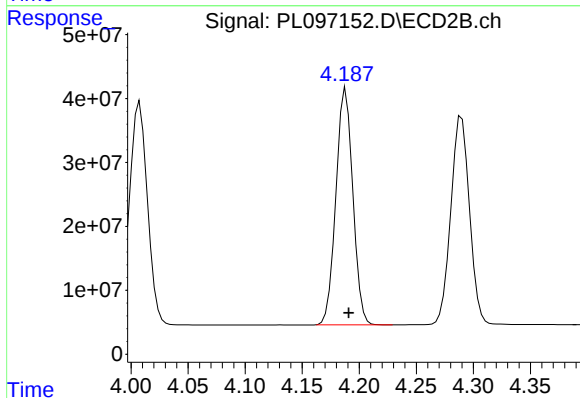
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 245230142
Conc: 54.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

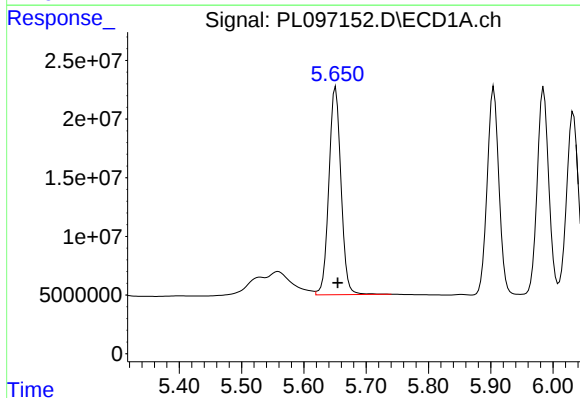
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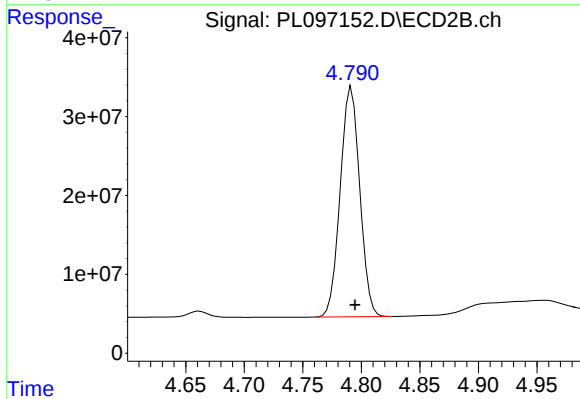
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 382149158
Conc: 52.00 ng/ml



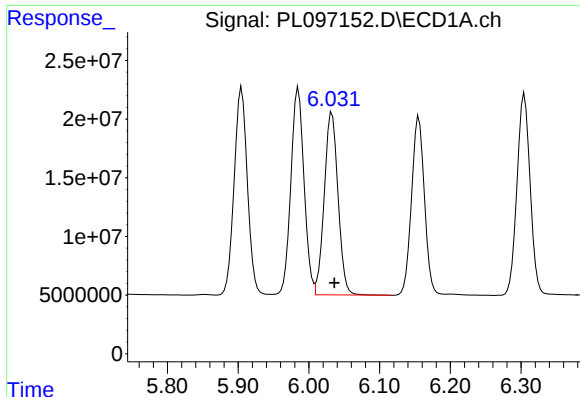
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: -0.004 min
Response: 238836819
Conc: 46.41 ng/ml



#8 Heptachlor epoxide

R.T.: 4.792 min
Delta R.T.: -0.003 min
Response: 338562927
Conc: 53.53 ng/ml



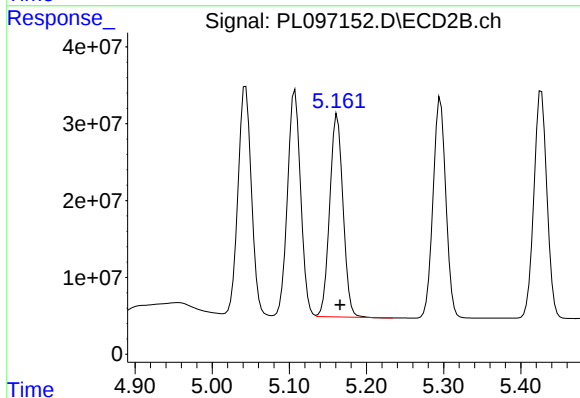
#9 Endosulfan I

R.T.: 6.033 min
Delta R.T.: -0.003 min
Response: 210680692
Conc: 49.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

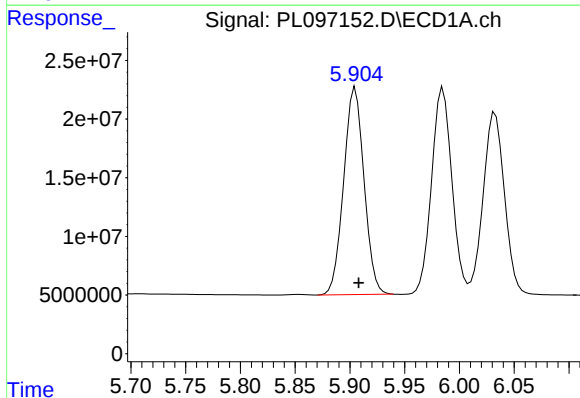
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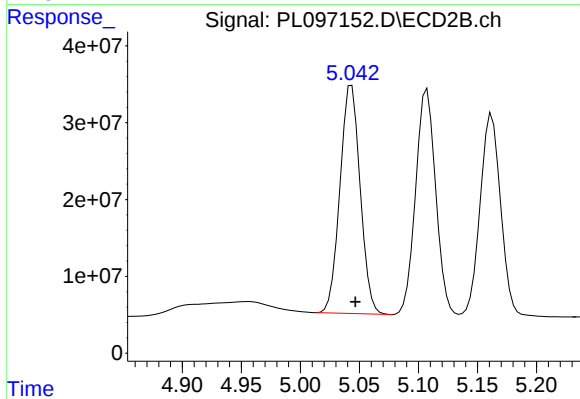
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.003 min
Response: 317526003
Conc: 53.00 ng/ml



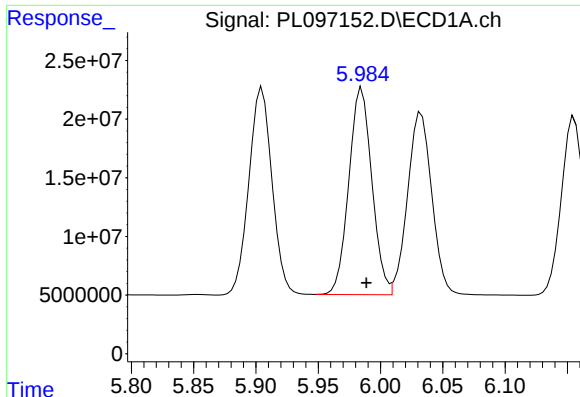
#10 gamma-Chlordane

R.T.: 5.904 min
Delta R.T.: -0.004 min
Response: 228510096
Conc: 49.62 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.003 min
Response: 354071889
Conc: 53.56 ng/ml



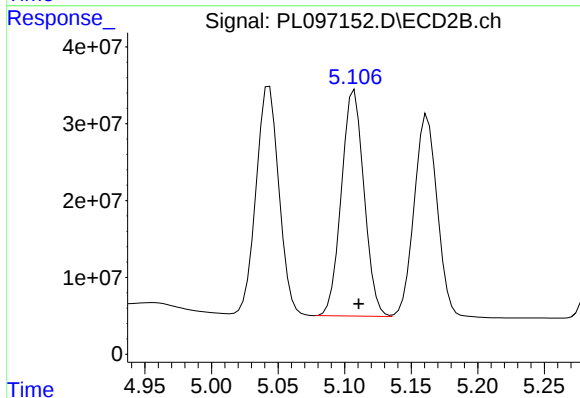
#11 alpha-Chlordane

R.T.: 5.985 min
Delta R.T.: -0.004 min
Response: 227701141
Conc: 48.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

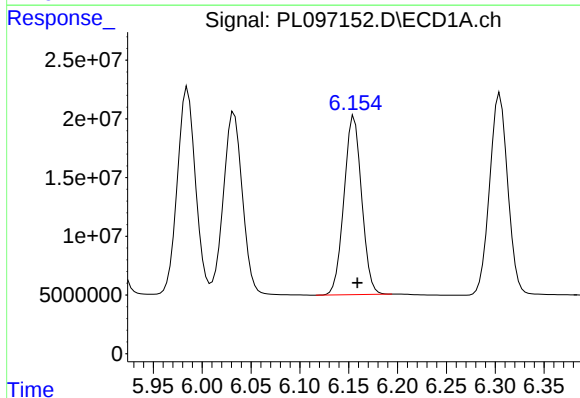
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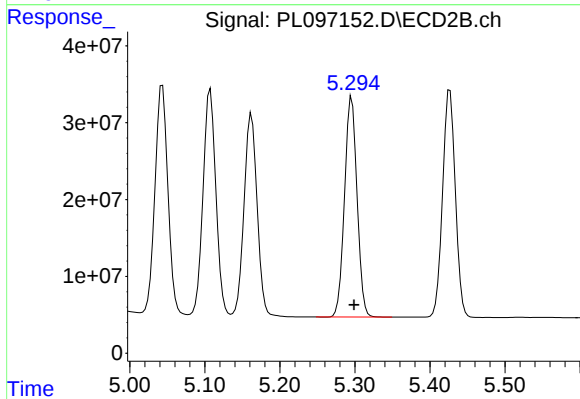
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.003 min
Response: 348216203
Conc: 53.33 ng/ml



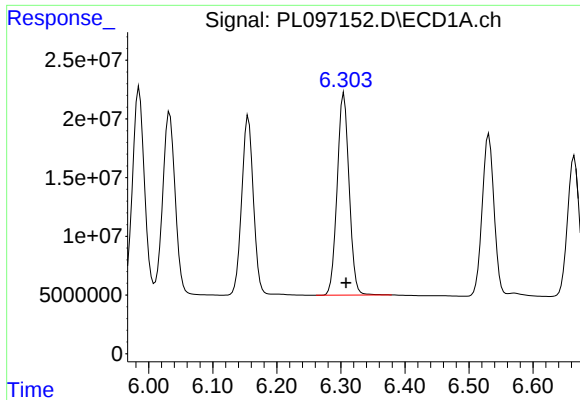
#12 4,4'-DDE

R.T.: 6.156 min
Delta R.T.: -0.003 min
Response: 191277816
Conc: 47.94 ng/ml



#12 4,4'-DDE

R.T.: 5.296 min
Delta R.T.: -0.003 min
Response: 332434474
Conc: 54.01 ng/ml



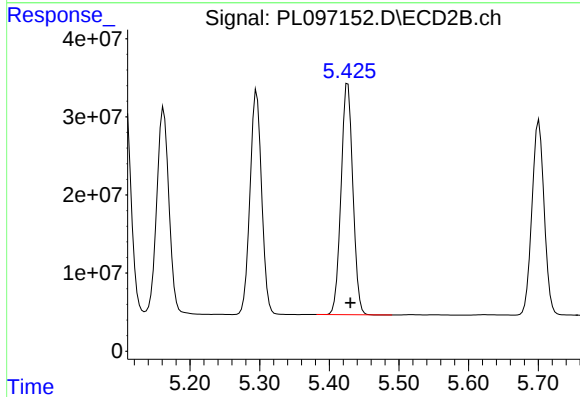
#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: -0.003 min
Response: 222901576
Conc: 49.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

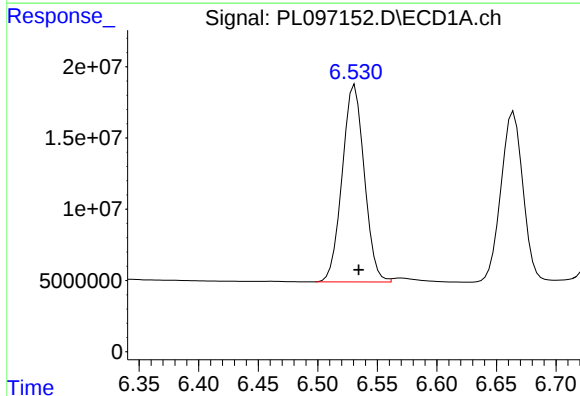
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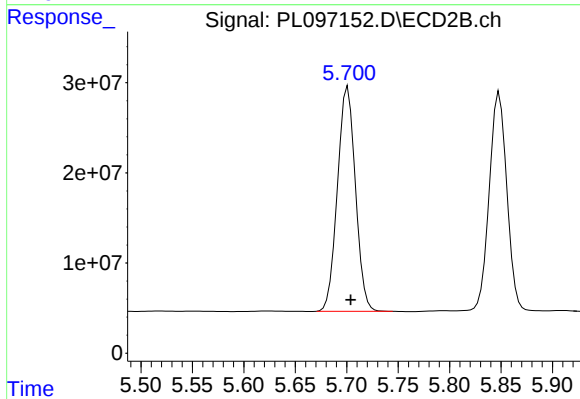
#13 Dieldrin

R.T.: 5.427 min
Delta R.T.: -0.004 min
Response: 349425307
Conc: 53.32 ng/ml



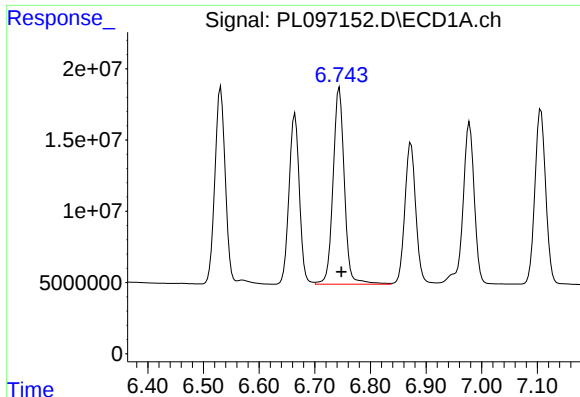
#14 Endrin

R.T.: 6.531 min
Delta R.T.: -0.003 min
Response: 178303273
Conc: 47.61 ng/ml



#14 Endrin

R.T.: 5.701 min
Delta R.T.: -0.003 min
Response: 303318103
Conc: 51.35 ng/ml



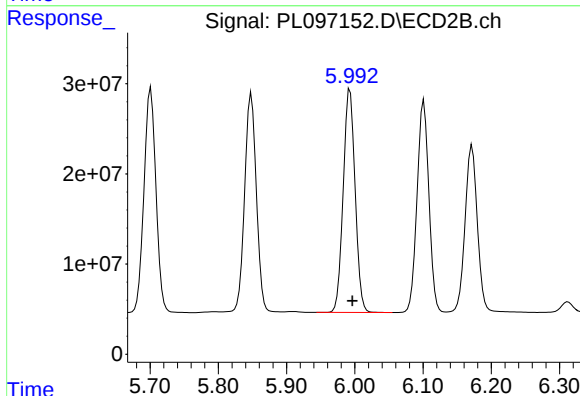
#15 Endosulfan II

R.T.: 6.744 min
Delta R.T.: -0.003 min
Response: 195181390
Conc: 44.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

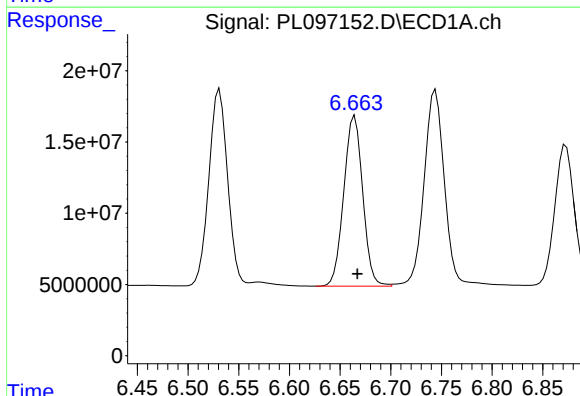
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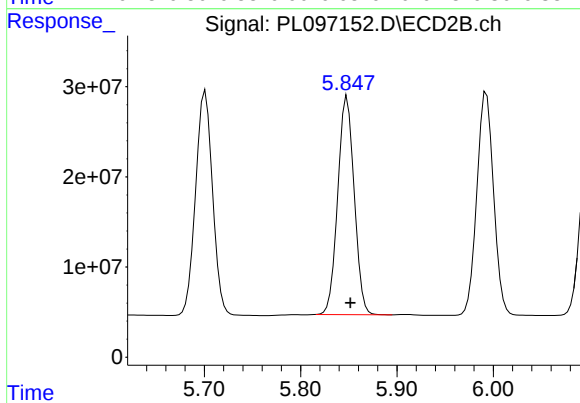
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.003 min
Response: 301087416
Conc: 52.65 ng/ml



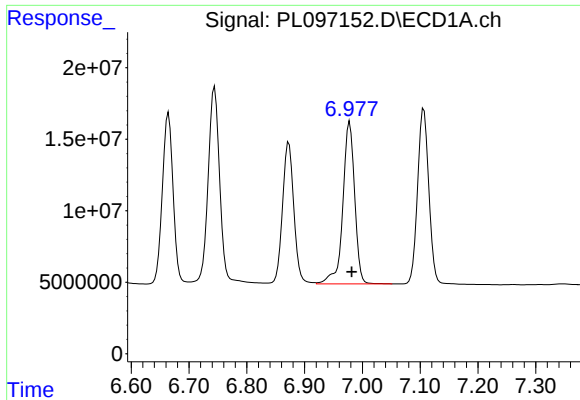
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: -0.002 min
Response: 155146546
Conc: 49.16 ng/ml



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.003 min
Response: 286899934
Conc: 54.94 ng/ml



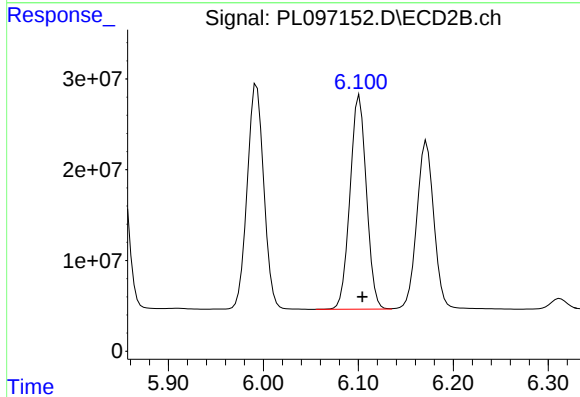
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: -0.003 min
Response: 160341627
Conc: 45.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

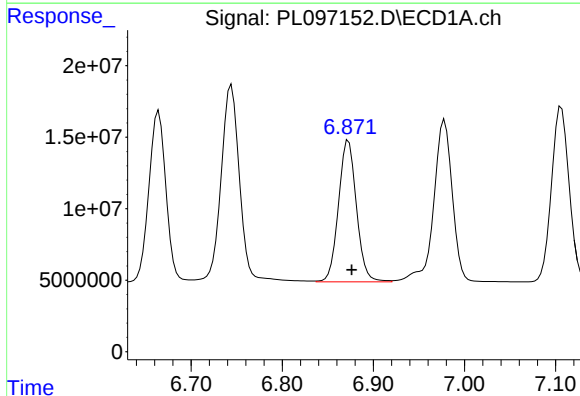
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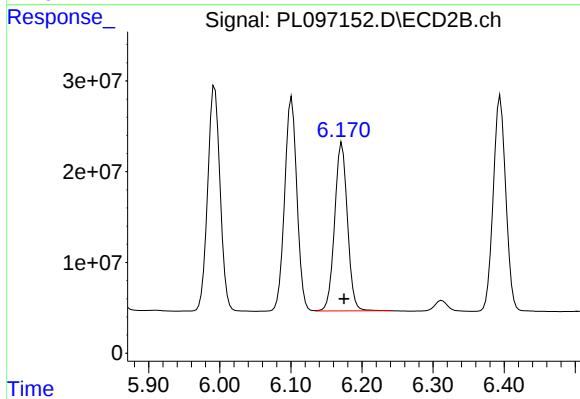
#17 4,4'-DDT

R.T.: 6.101 min
Delta R.T.: -0.003 min
Response: 282974831
Conc: 51.66 ng/ml



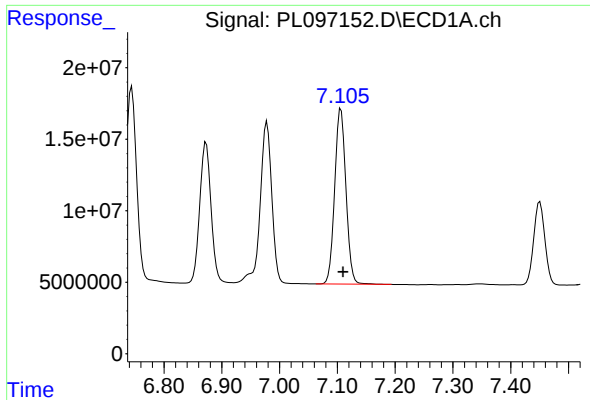
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.004 min
Response: 135690765
Conc: 52.16 ng/ml



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 231534268
Conc: 56.26 ng/ml



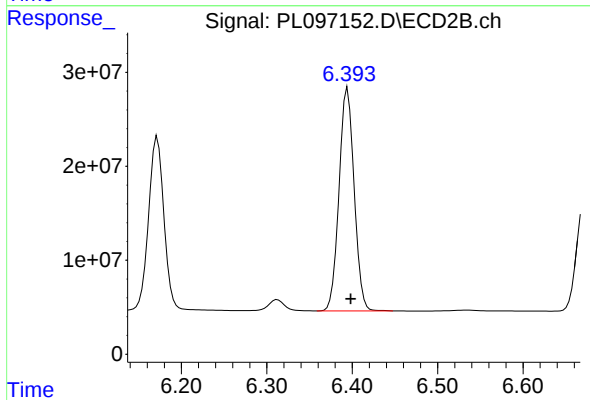
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.004 min
Response: 166364226
Conc: 48.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

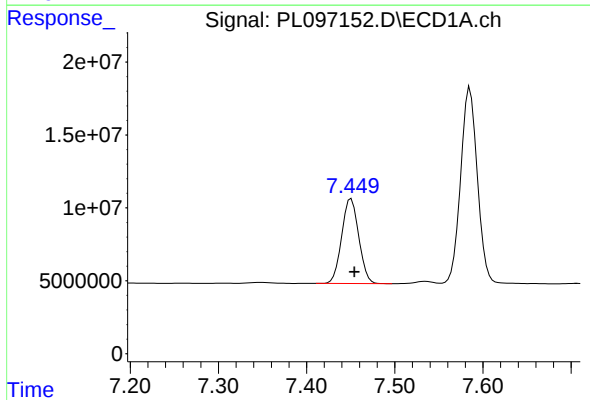
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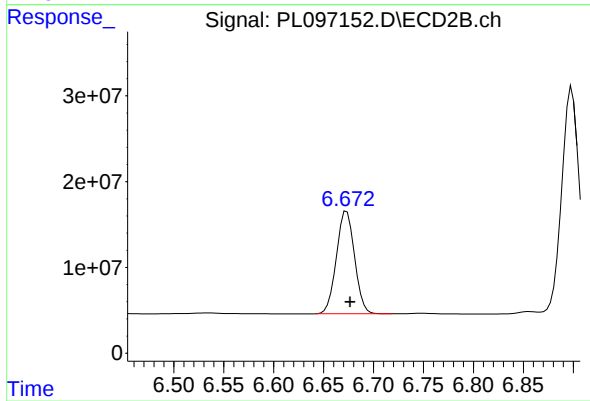
#19 Endosulfan Sulfate

R.T.: 6.395 min
Delta R.T.: -0.004 min
Response: 291430304
Conc: 52.01 ng/ml



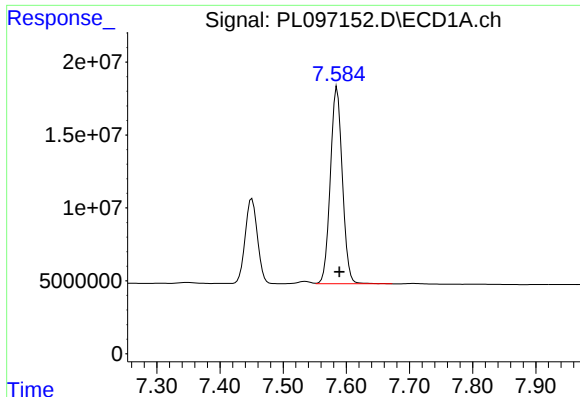
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: -0.004 min
Response: 78197046
Conc: 45.06 ng/ml



#20 Methoxychlor

R.T.: 6.673 min
Delta R.T.: -0.003 min
Response: 151448076
Conc: 50.49 ng/ml



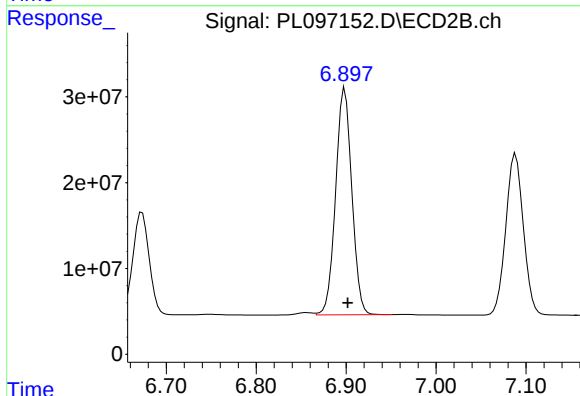
#21 Endrin ketone

R.T.: 7.585 min
Delta R.T.: -0.004 min
Response: 177966309
Conc: 50.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

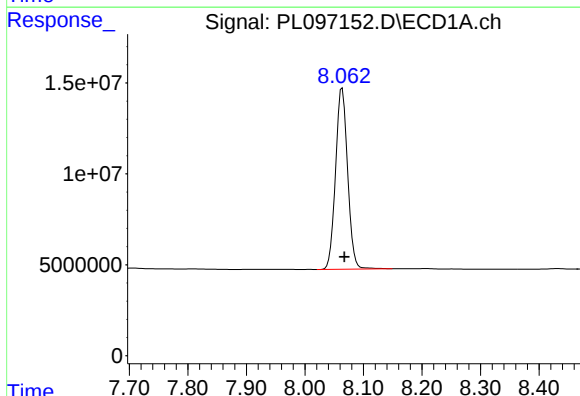
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/12/2025
Supervised By :mohammad ahmed 09/15/2025



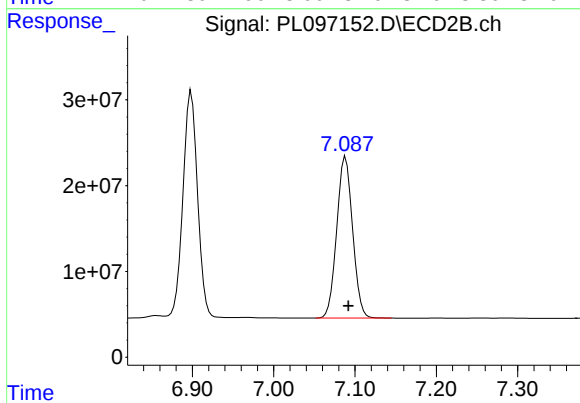
#21 Endrin ketone

R.T.: 6.899 min
Delta R.T.: -0.003 min
Response: 330988143
Conc: 52.88 ng/ml



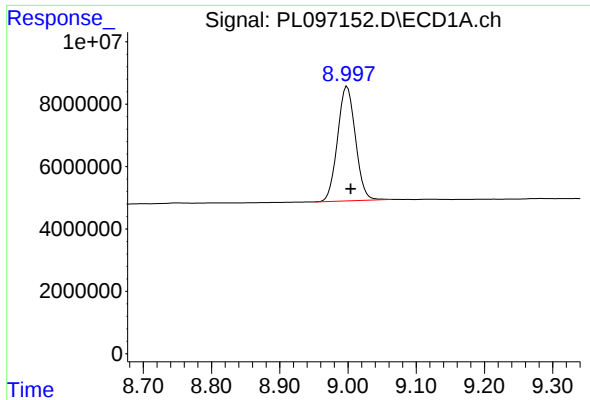
#22 Mirex

R.T.: 8.064 min
Delta R.T.: -0.004 min
Response: 142571598
Conc: 47.65 ng/ml



#22 Mirex

R.T.: 7.088 min
Delta R.T.: -0.003 min
Response: 255014408
Conc: 52.51 ng/ml



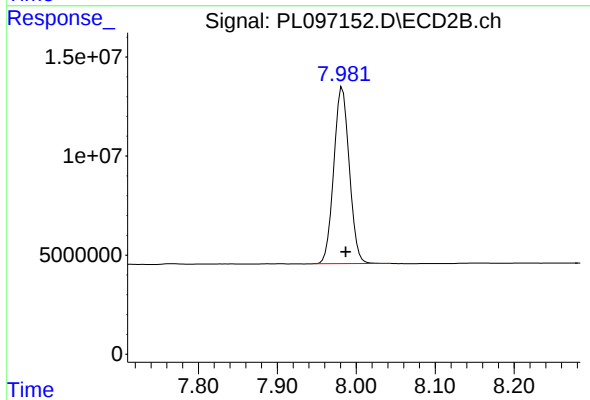
#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.005 min
Response: 66640938
Conc: 22.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169663BS

Manual Integrations
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Supervised By :mohammad ahmed 09/15/2025



#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.004 min
Response: 121490229
Conc: 25.33 ng/ml