

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091425\
 Data File : PL097193.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Sep 2025 14:11
 Operator : AR\AJ
 Sample : PB169671BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB169671BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/16/2025
 Supervised By : mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 13 02:10:19 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...	3.526	2.823	86232372	119.4E6	21.865	21.187
28)	SA Decachlor...	8.998	7.982	67605178	104.2E6	22.834	21.723
Target Compounds							
2)	A alpha-BHC	3.973	3.328	284.0E6	400.1E6	49.010	48.730
3)	MA gamma-BHC...	4.301	3.660	265.1E6	368.3E6	48.530	50.001
4)	MA Heptachlor	4.892	4.007	262.3E6	350.8E6	49.197	46.627
5)	MB Aldrin	5.230	4.290	257.2E6	343.8E6	48.964m	48.888
6)	B beta-BHC	4.488	3.956	110.8E6	153.1E6	48.463	46.932
7)	B delta-BHC	4.734	4.188	252.5E6	357.4E6	56.104	48.635
8)	B Heptachlo...	5.649	4.791	265.9E6	309.9E6	51.682m	49.002
9)	A Endosulfan I	6.032	5.162	211.4E6	277.7E6	49.194	46.346
10)	B gamma-Chl...	5.903	5.043	227.7E6	325.4E6	49.431m	49.225
11)	B alpha-Chl...	5.984	5.107	233.5E6	324.5E6	49.618	49.701
12)	B 4,4'-DDE	6.155	5.295	203.1E6	295.5E6	50.891	48.015
13)	MA Dieldrin	6.304	5.425	221.3E6	337.7E6	48.725	51.534m
14)	MA Endrin	6.529	5.703	179.5E6	353.5E6	47.922m	59.844
15)	B Endosulfa...	6.742	5.993	194.1E6	263.0E6	44.066m	45.993
16)	A 4,4'-DDD	6.662	5.848	172.8E6	266.5E6	54.753m	51.035
17)	MA 4,4'-DDT	6.976	6.100	141.4E6	223.1E6	40.359m	40.725
18)	B Endrin al...	6.871	6.171	136.3E6	212.2E6	52.385m	51.144
19)	B Endosulfa...	7.106	6.394	172.1E6	262.6E6	50.113	46.876
20)	A Methoxychlor	7.449	6.672	91823957	120.6E6	52.909m	40.214
21)	B Endrin ke...	7.584	6.896	182.8E6	555.7E6	51.406	88.793m#
22)	Mirex	8.063	7.087	145.2E6	214.5E6	48.542	44.174

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL091425\
Data File : PL097193.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Sep 2025 14:11
Operator : AR\AJ
Sample : PB169671BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

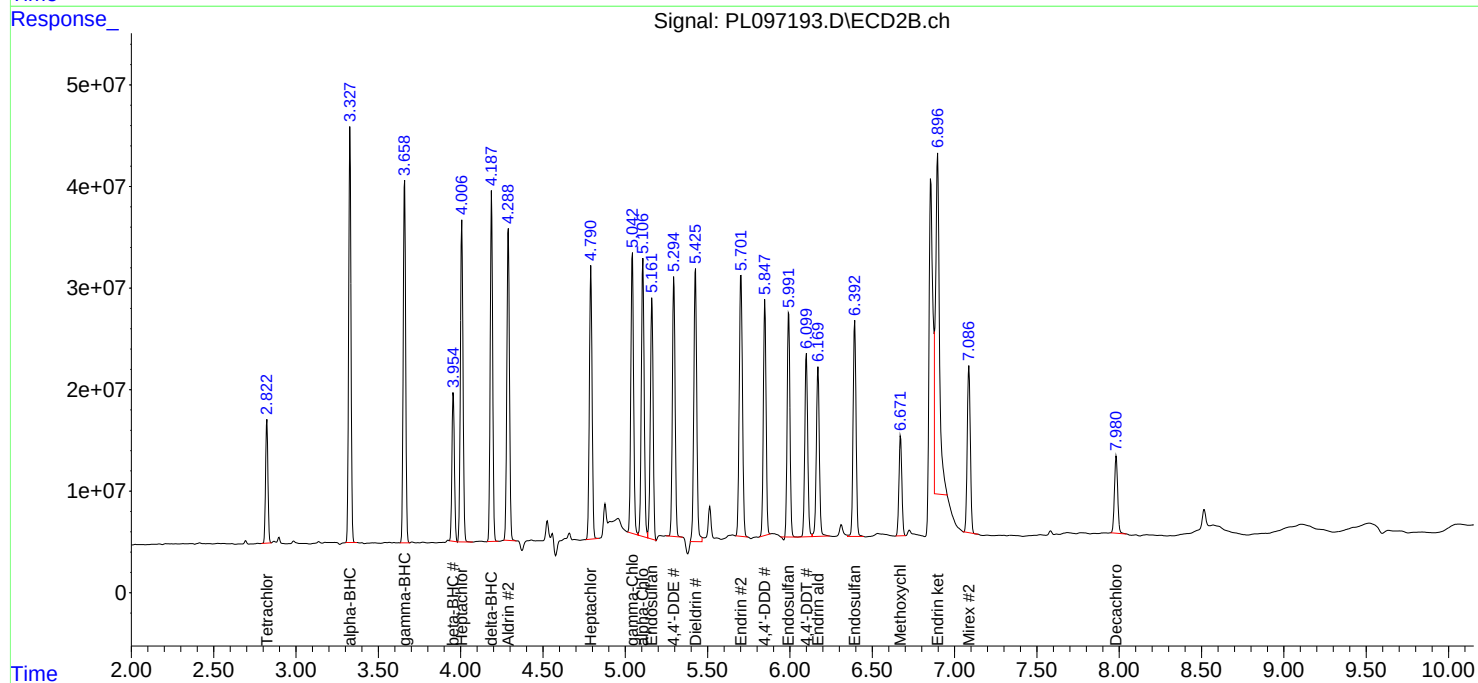
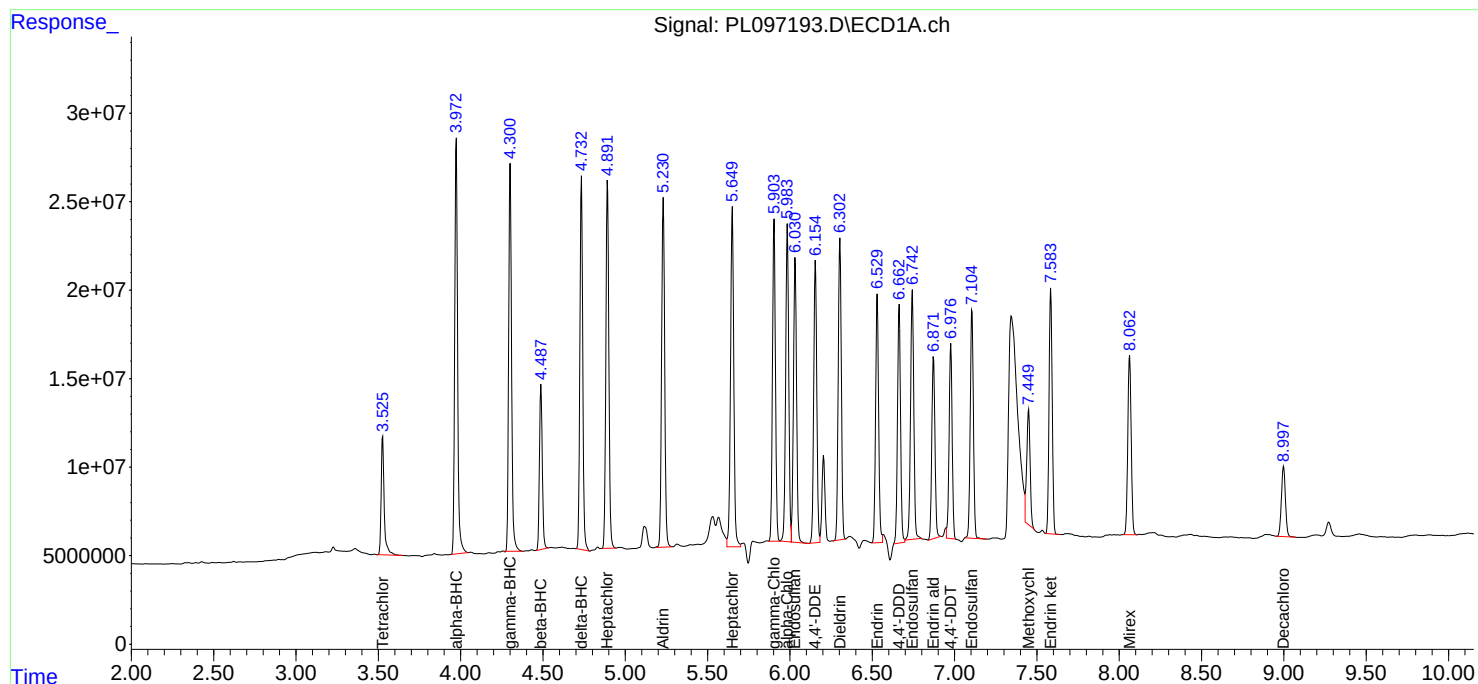
Instrument :
ECD_L
ClientSampleId :
PB169671BS

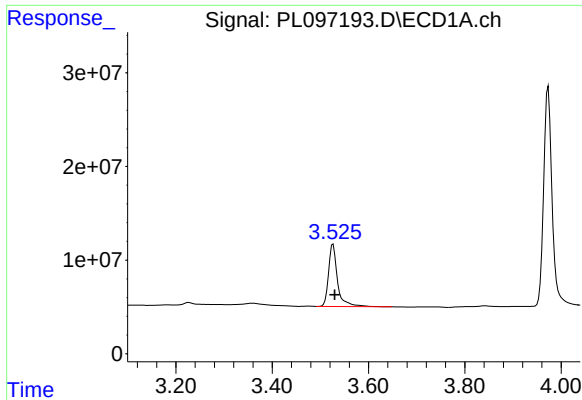
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 13 02:10:19 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





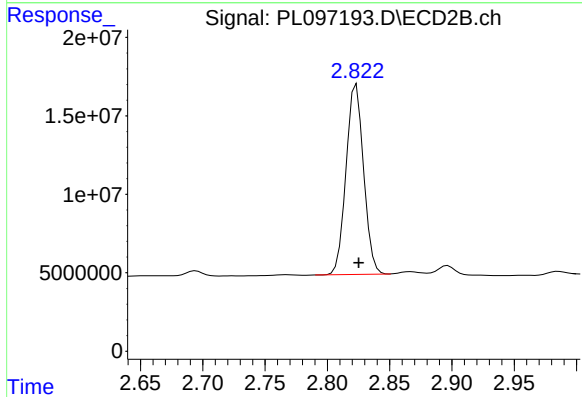
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: -0.004 min
Response: 86232372
Conc: 21.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

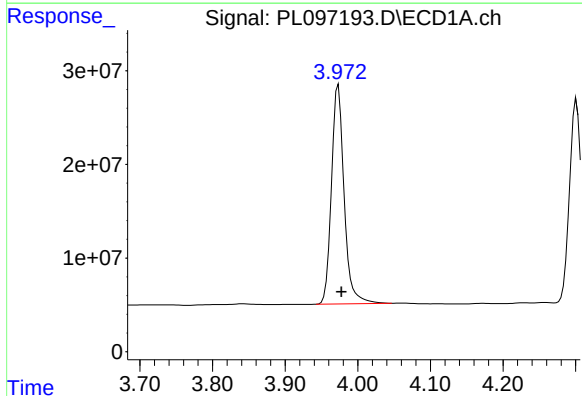
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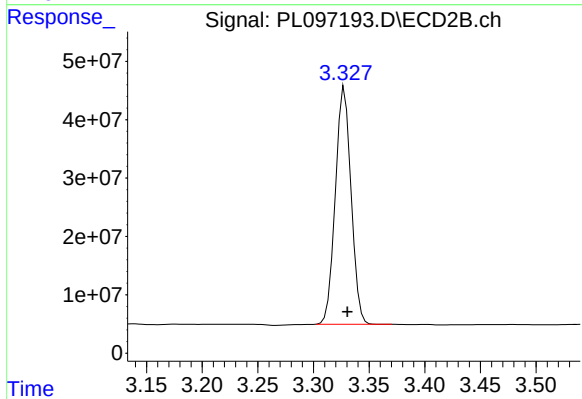
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.002 min
Response: 119422369
Conc: 21.19 ng/ml



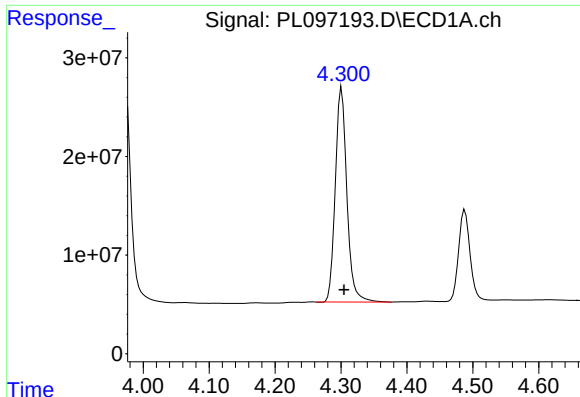
#2 alpha-BHC

R.T.: 3.973 min
Delta R.T.: -0.004 min
Response: 283966510
Conc: 49.01 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.002 min
Response: 400133537
Conc: 48.73 ng/ml



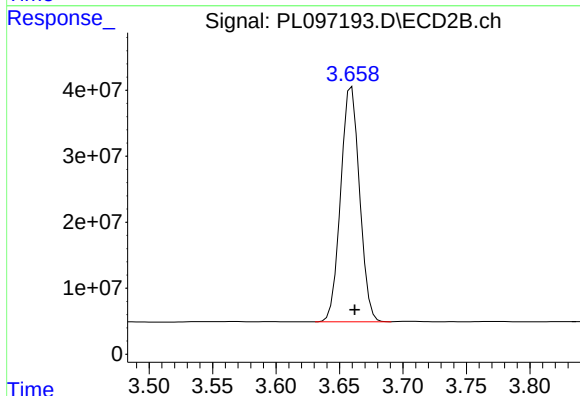
#3 gamma-BHC (Lindane)

R.T.: 4.301 min
Delta R.T.: -0.003 min
Response: 265058773
Conc: 48.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

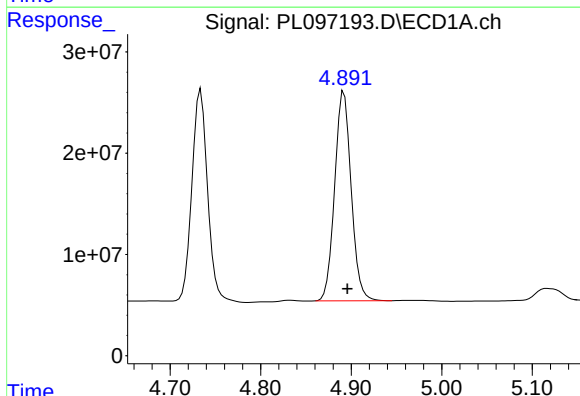
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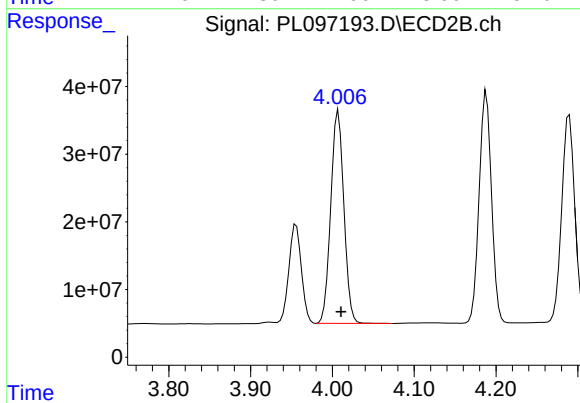
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.002 min
Response: 368329589
Conc: 50.00 ng/ml



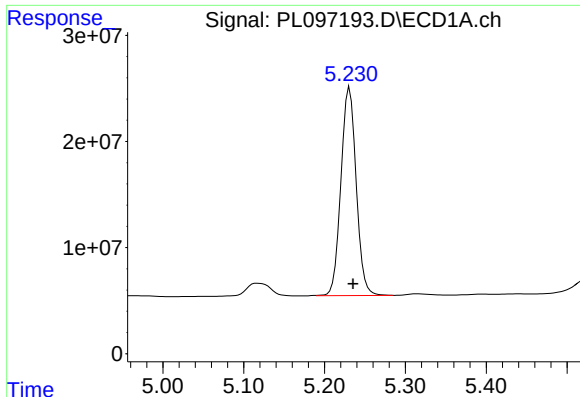
#4 Heptachlor

R.T.: 4.892 min
Delta R.T.: -0.004 min
Response: 262337694
Conc: 49.20 ng/ml



#4 Heptachlor

R.T.: 4.007 min
Delta R.T.: -0.003 min
Response: 350830278
Conc: 46.63 ng/ml



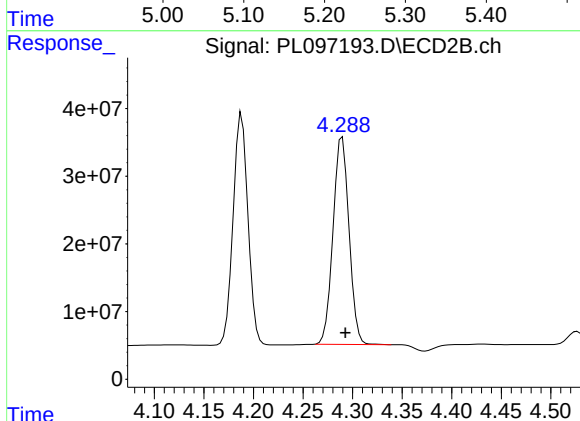
#5 Aldrin

R.T.: 5.230 min
Delta R.T.: -0.005 min
Response: 257231477
Conc: 48.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

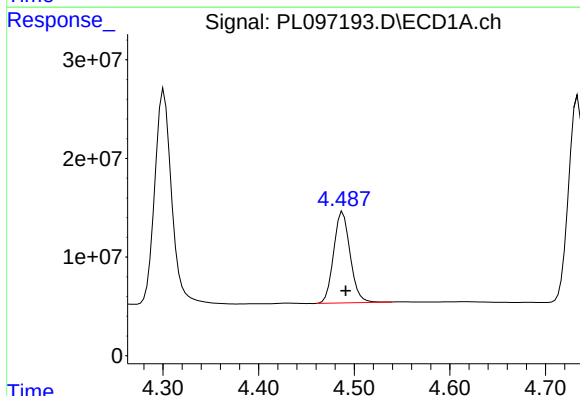
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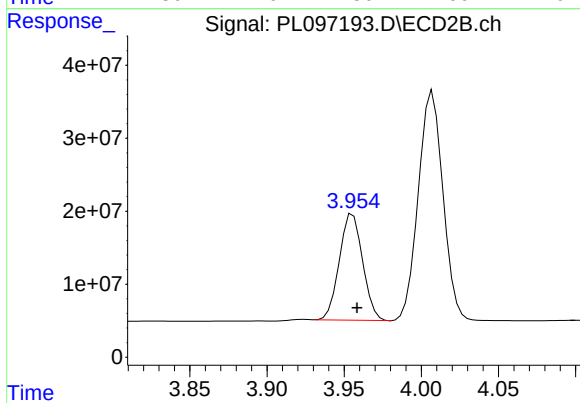
#5 Aldrin

R.T.: 4.290 min
Delta R.T.: -0.003 min
Response: 343819292
Conc: 48.89 ng/ml



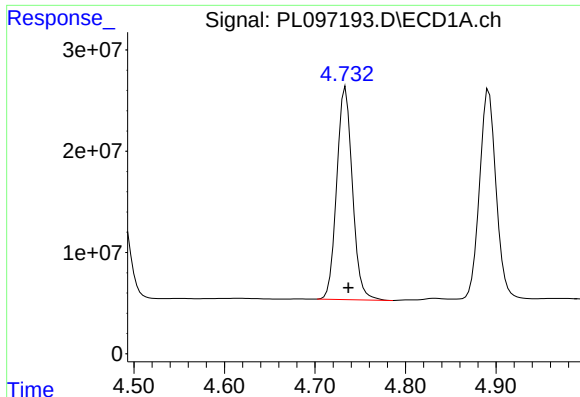
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: -0.003 min
Response: 110836555
Conc: 48.46 ng/ml



#6 beta-BHC

R.T.: 3.956 min
Delta R.T.: -0.003 min
Response: 153106854
Conc: 46.93 ng/ml



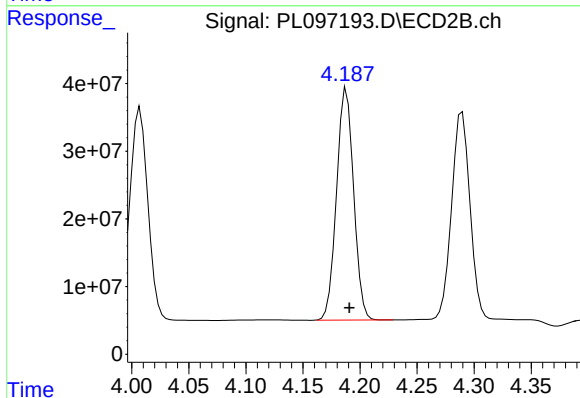
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.003 min
Response: 252467797
Conc: 56.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

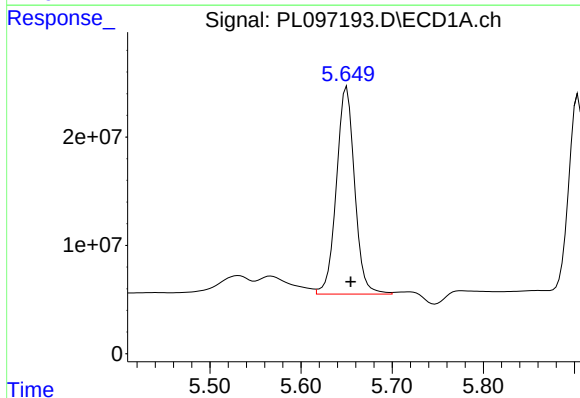
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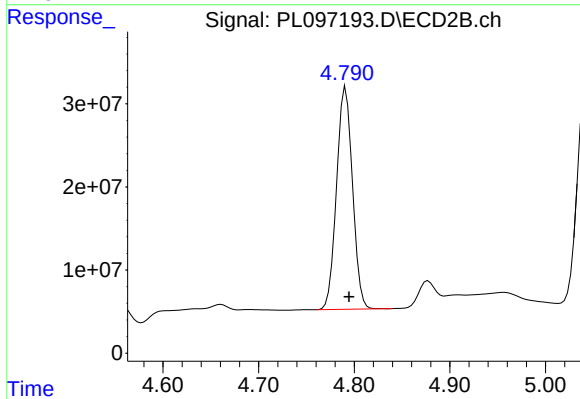
#7 delta-BHC

R.T.: 4.188 min
Delta R.T.: -0.003 min
Response: 357413603
Conc: 48.64 ng/ml



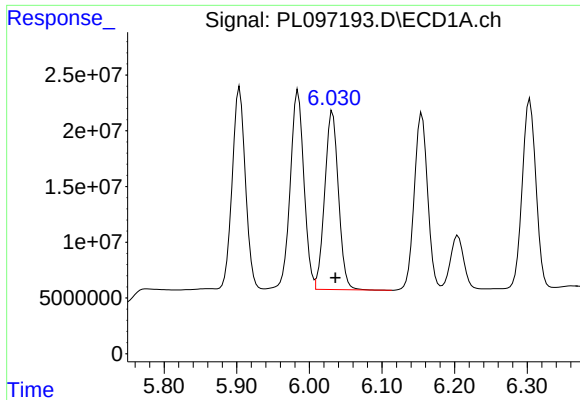
#8 Heptachlor epoxide

R.T.: 5.649 min
Delta R.T.: -0.006 min
Response: 265948174
Conc: 51.68 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.791 min
Delta R.T.: -0.004 min
Response: 309934885
Conc: 49.00 ng/ml



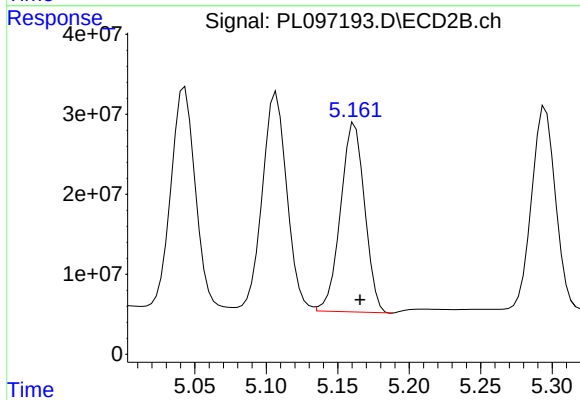
#9 Endosulfan I

R.T.: 6.032 min
Delta R.T.: -0.004 min
Response: 211375393
Conc: 49.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

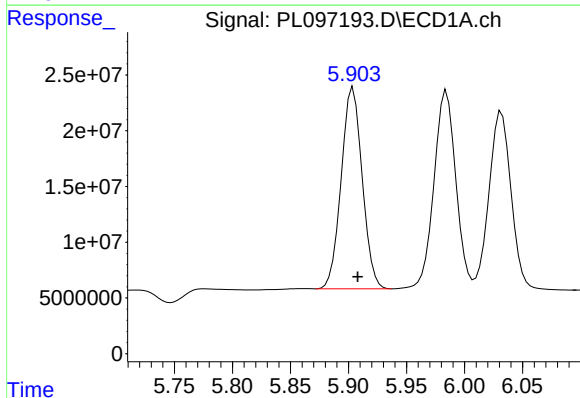
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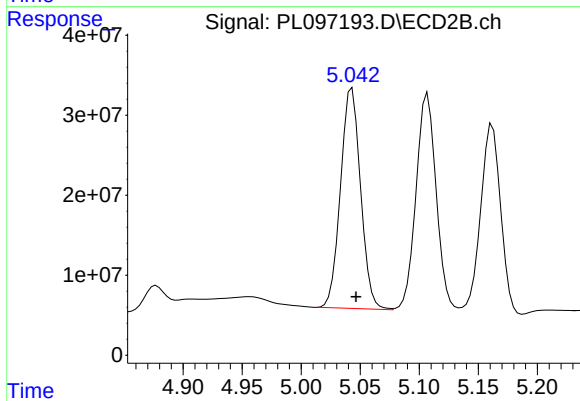
#9 Endosulfan I

R.T.: 5.162 min
Delta R.T.: -0.004 min
Response: 277671242
Conc: 46.35 ng/ml



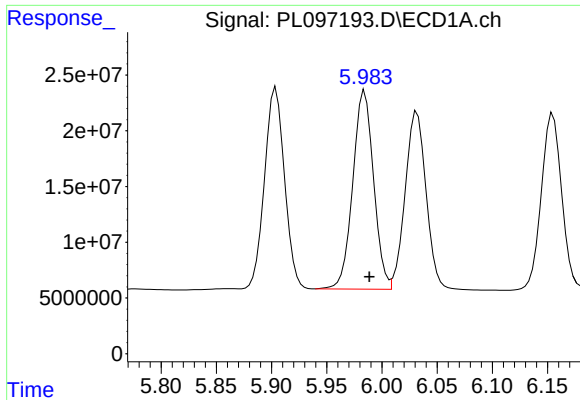
#10 gamma-Chlordane

R.T.: 5.903 min
Delta R.T.: -0.005 min
Response: 227653181
Conc: 49.43 ng/ml m



#10 gamma-Chlordane

R.T.: 5.043 min
Delta R.T.: -0.003 min
Response: 325432855
Conc: 49.23 ng/ml



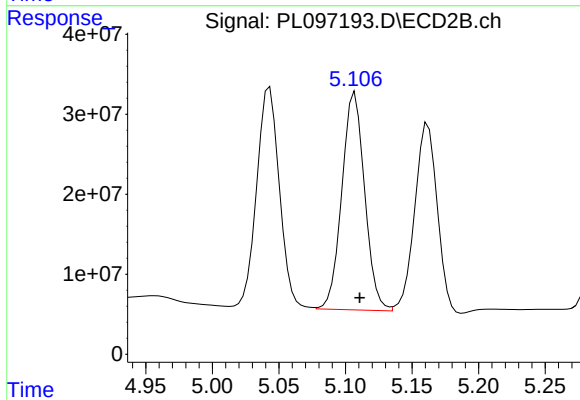
#11 alpha-Chlordane

R.T.: 5.984 min
Delta R.T.: -0.004 min
Response: 233495762
Conc: 49.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

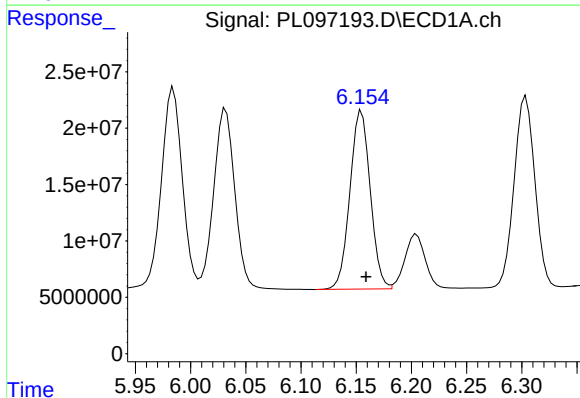
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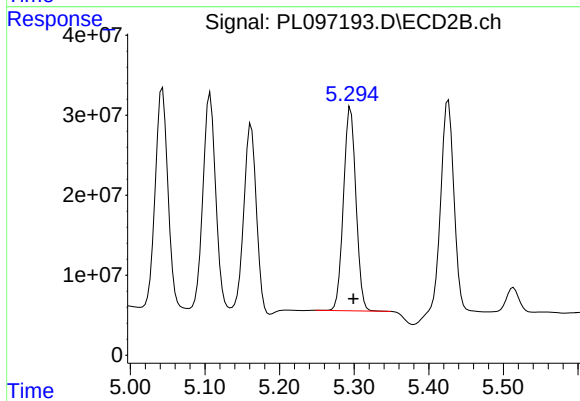
#11 alpha-Chlordane

R.T.: 5.107 min
Delta R.T.: -0.003 min
Response: 324534541
Conc: 49.70 ng/ml



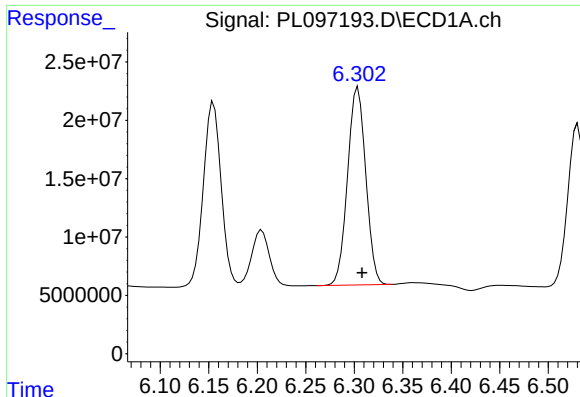
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: -0.004 min
Response: 203061813
Conc: 50.89 ng/ml



#12 4,4'-DDE

R.T.: 5.295 min
Delta R.T.: -0.004 min
Response: 295519139
Conc: 48.02 ng/ml



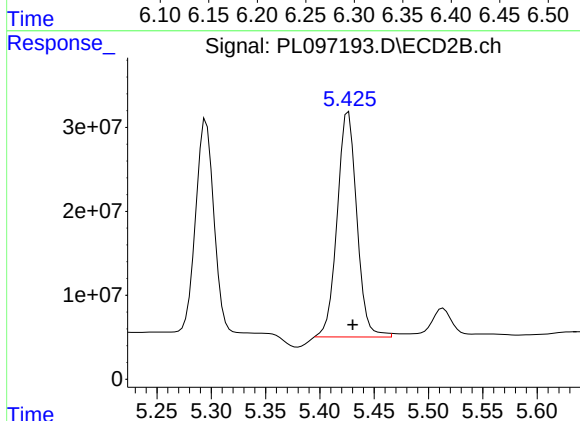
#13 Dieldrin

R.T.: 6.304 min
Delta R.T.: -0.004 min
Response: 221253303
Conc: 48.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

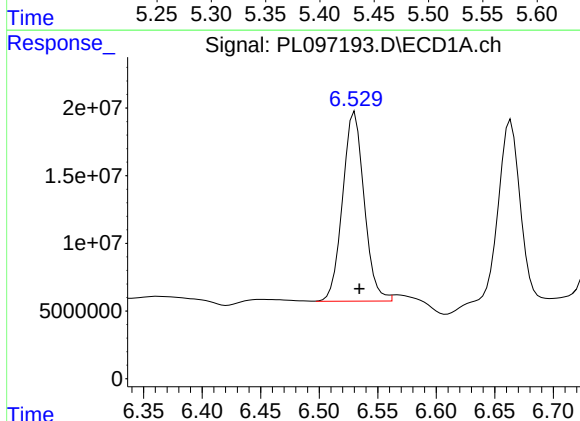
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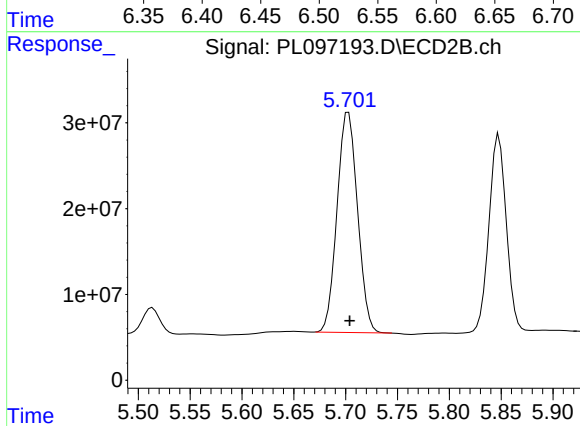
#13 Dieldrin

R.T.: 5.425 min
Delta R.T.: -0.005 min
Response: 337703311
Conc: 51.53 ng/ml m



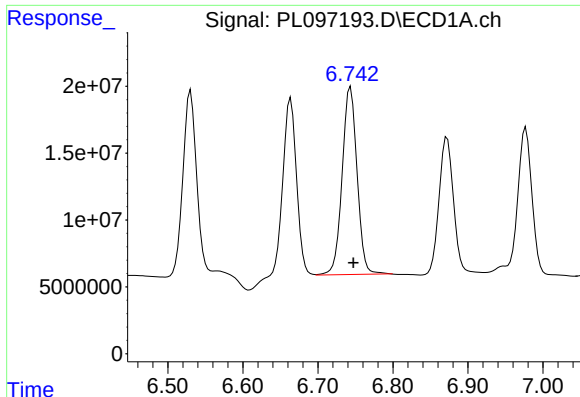
#14 Endrin

R.T.: 6.529 min
Delta R.T.: -0.005 min
Response: 179461449
Conc: 47.92 ng/ml m



#14 Endrin

R.T.: 5.703 min
Delta R.T.: -0.001 min
Response: 353507261
Conc: 59.84 ng/ml



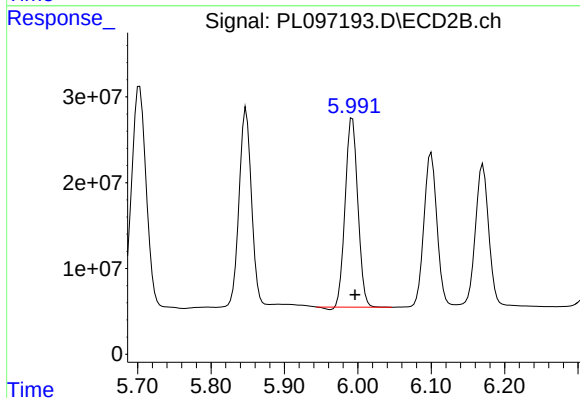
#15 Endosulfan II

R.T.: 6.742 min
Delta R.T.: -0.005 min
Response: 194112863
Conc: 44.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

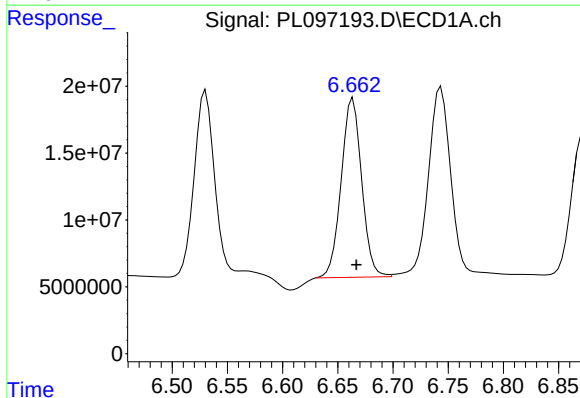
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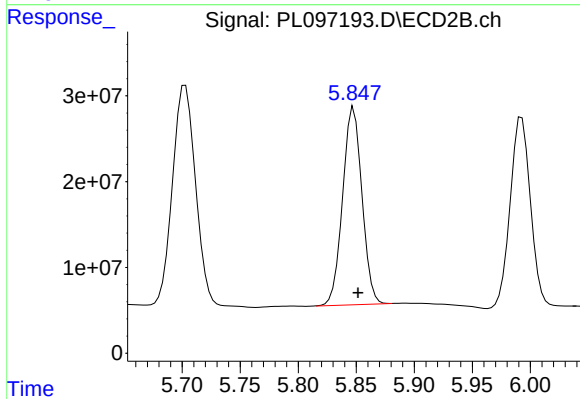
#15 Endosulfan II

R.T.: 5.993 min
Delta R.T.: -0.004 min
Response: 263022184
Conc: 45.99 ng/ml



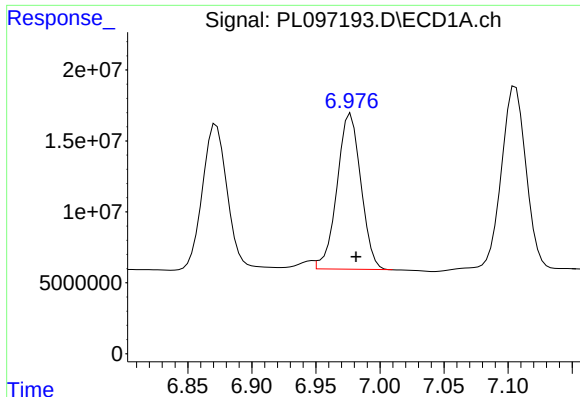
#16 4,4'-DDD

R.T.: 6.662 min
Delta R.T.: -0.005 min
Response: 172790057
Conc: 54.75 ng/ml m



#16 4,4'-DDD

R.T.: 5.848 min
Delta R.T.: -0.004 min
Response: 266522496
Conc: 51.03 ng/ml



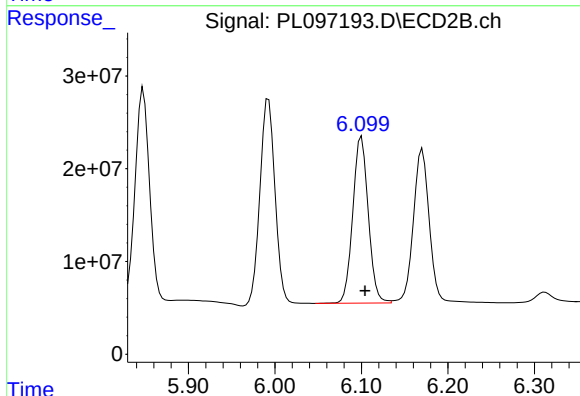
#17 4,4'-DDT

R.T.: 6.976 min
Delta R.T.: -0.006 min
Response: 141354558
Conc: 40.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

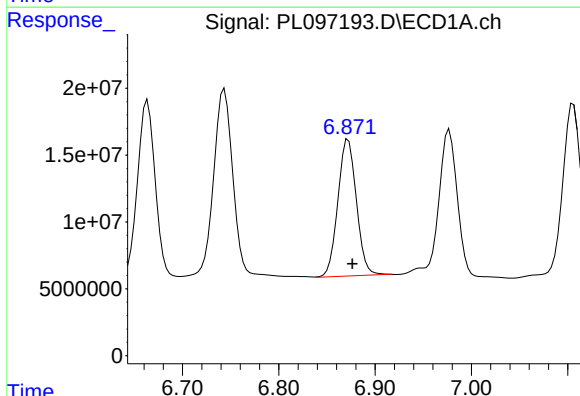
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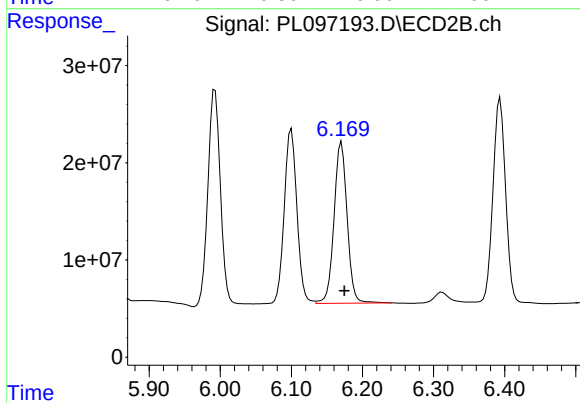
#17 4,4'-DDT

R.T.: 6.100 min
Delta R.T.: -0.004 min
Response: 223058545
Conc: 40.72 ng/ml



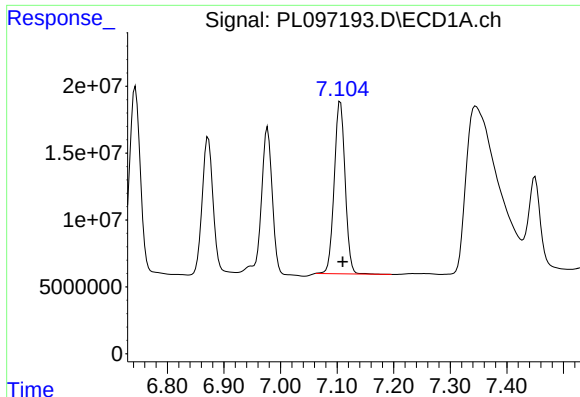
#18 Endrin aldehyde

R.T.: 6.871 min
Delta R.T.: -0.006 min
Response: 136275852
Conc: 52.38 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.004 min
Response: 212198013
Conc: 51.14 ng/ml



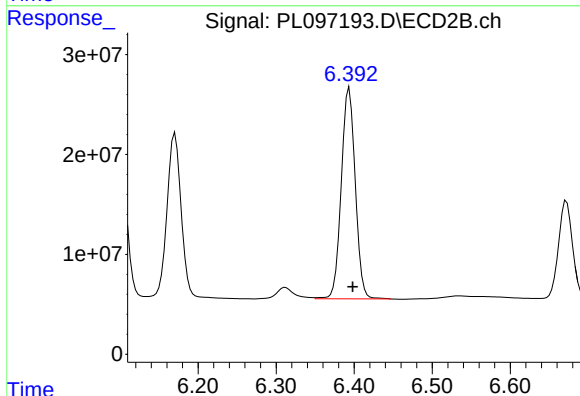
#19 Endosulfan Sulfate

R.T.: 7.106 min
Delta R.T.: -0.004 min
Response: 172056349
Conc: 50.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

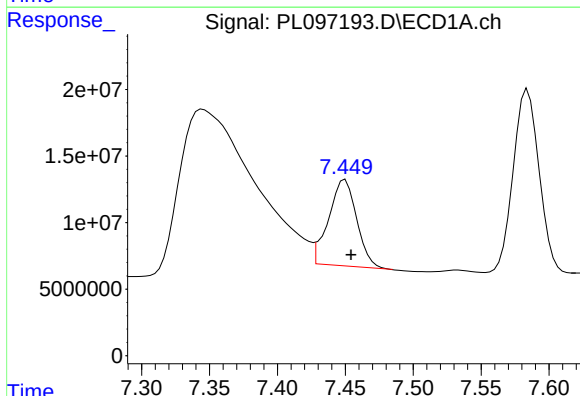
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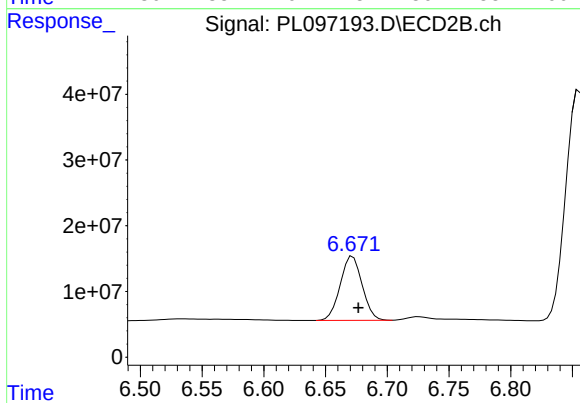
#19 Endosulfan Sulfate

R.T.: 6.394 min
Delta R.T.: -0.004 min
Response: 262642477
Conc: 46.88 ng/ml



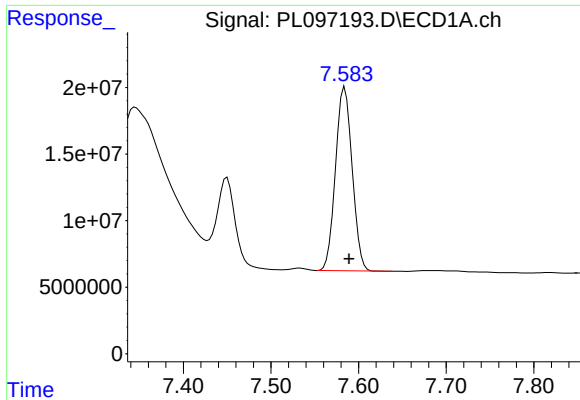
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: -0.006 min
Response: 91823957
Conc: 52.91 ng/ml m



#20 Methoxychlor

R.T.: 6.672 min
Delta R.T.: -0.005 min
Response: 120632879
Conc: 40.21 ng/ml



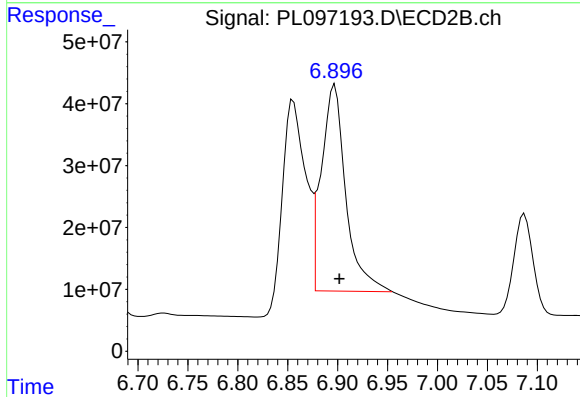
#21 Endrin ketone

R.T.: 7.584 min
Delta R.T.: -0.005 min
Response: 182761039
Conc: 51.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

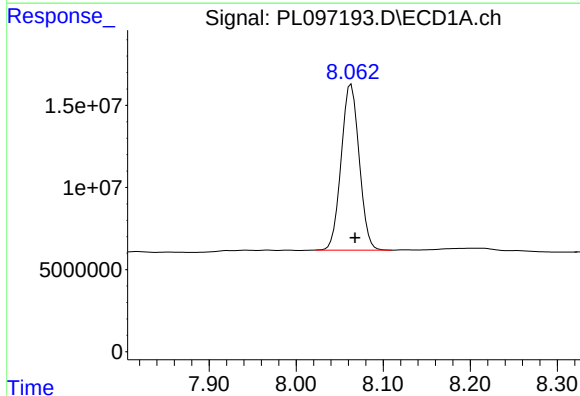
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/16/2025
Supervised By :mohammad ahmed 09/17/2025



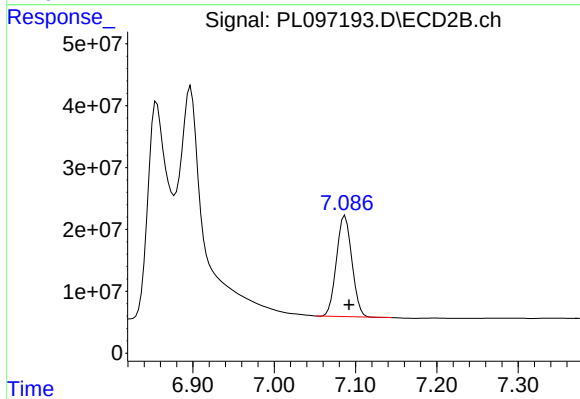
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: -0.006 min
Response: 555746311
Conc: 88.79 ng/ml m



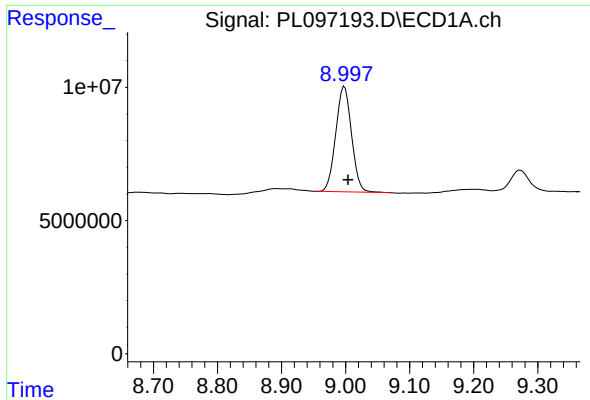
#22 Mirex

R.T.: 8.063 min
Delta R.T.: -0.004 min
Response: 145233492
Conc: 48.54 ng/ml



#22 Mirex

R.T.: 7.087 min
Delta R.T.: -0.005 min
Response: 214536115
Conc: 44.17 ng/ml



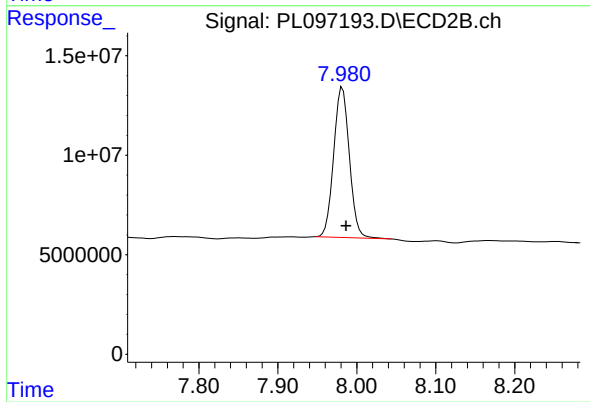
#28 Decachlorobiphenyl

R.T.: 8.998 min
Delta R.T.: -0.006 min
Response: 67605178
Conc: 22.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB169671BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 7.982 min
Delta R.T.: -0.005 min
Response: 104180266
Conc: 21.72 ng/ml