

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032525\
 Data File : PL094837.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Mar 2025 14:41
 Operator : AR\AJ
 Sample : Q1626-01MS 10X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 CO-32-1MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/26/2025
 Supervised By : mohammad ahmed 03/27/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 26 01:19:09 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.536	2.770	4532998	6619577	1.601	1.855
2) SA Decachlor...	9.047	7.902	6010853	7608731	2.852m	1.884m#
Target Compounds						
2) A alpha-BHC	3.991	3.271	18550571	23731092	4.467	4.402
3) MA gamma-BHC...	4.323	3.599	19955551	27826450	5.001m	5.414m
4) MA Heptachlor	4.910	3.937	18266848	23105827	4.706m	4.386m
5) MB Aldrin	5.252	4.218	16268365	26741873	4.406m	5.484
6) B beta-BHC	4.523	3.901	7713033	11689118	4.180m	5.262m#
7) B delta-BHC	4.766	4.130	27343662	20180546	7.021m	4.035 #
8) B Heptachlo...	5.677	4.719	28155707	21665428	8.417m	4.732m#
9) A Endosulfan I	6.065	5.092	13834131	12632209	4.506	2.878 #
10) B gamma-Chl...	5.936	4.968	31822475	38019748	9.445	7.874m
11) B alpha-Chl...	6.016	5.033	24631464	37534707	7.471	7.864
12) B 4,4'-DDE	6.187	5.223	20430137	25341351	6.944m	5.451
13) MA Dieldrin	6.340	5.356	23125898	57971915	7.231m	11.948 #
14) MA Endrin	6.571	5.631	23758111	25423342	8.571	5.826 #
15) B Endosulfa...	6.789	5.921	13391043	28343102	4.933m	6.548m#
16) A 4,4'-DDD	6.710	5.777	32430086	22810314	14.972m	6.343 #
17) MA 4,4'-DDT	7.020	6.024	15759074	61917562	6.626	15.356 #
18) B Endrin al...	6.921	6.104	8269594	14918276	3.917m	4.433m
19) B Endosulfa...	7.154	6.325	17072888	27827591	7.020m	6.831
20) A Methoxychlor	7.496	6.599	6165610	6180917	5.151m	2.914m#
21) B Endrin ke...	7.641	6.832	12378408	18241446	4.683	3.822
22) Mirex	8.112	7.011	9300607	13918443	4.501m	3.667m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032525\
Data File : PL094837.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Mar 2025 14:41
Operator : AR\AJ
Sample : Q1626-01MS 10X
Misc :
ALS Vial : 9 Sample Multiplier: 1

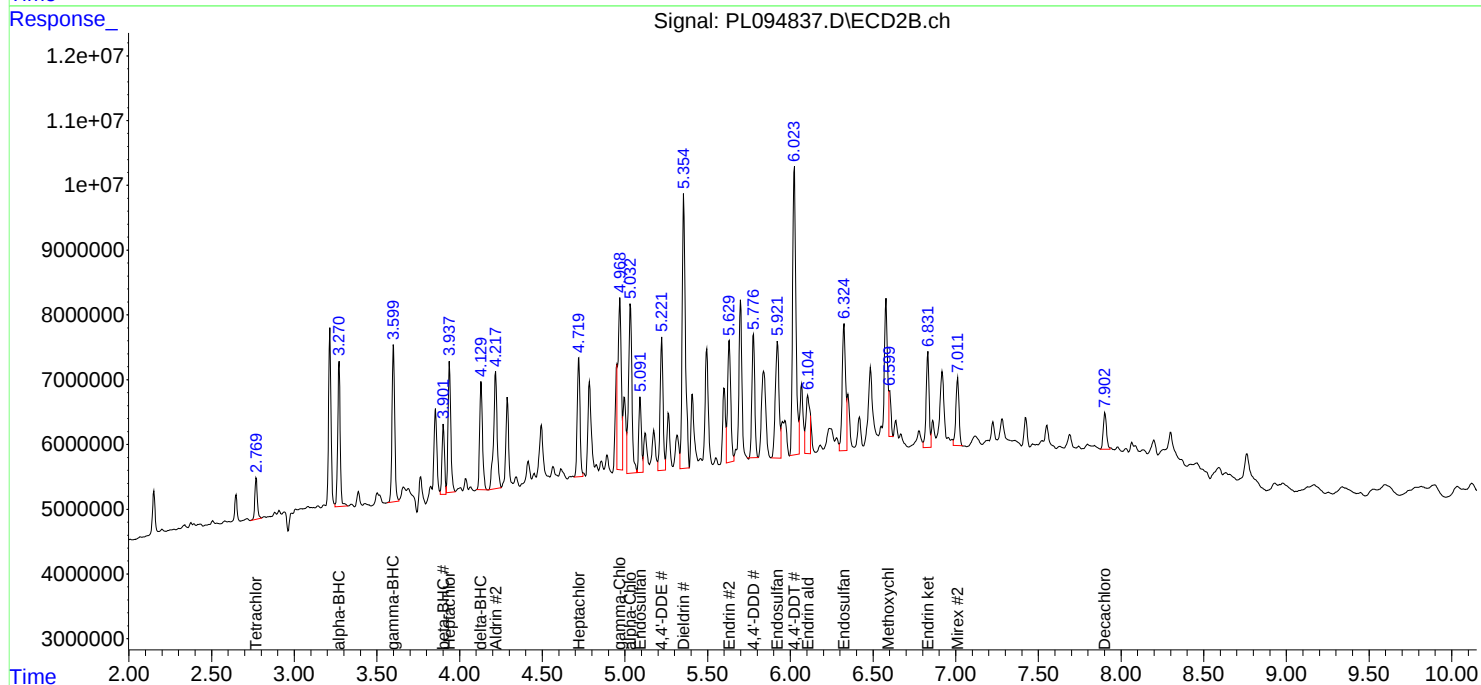
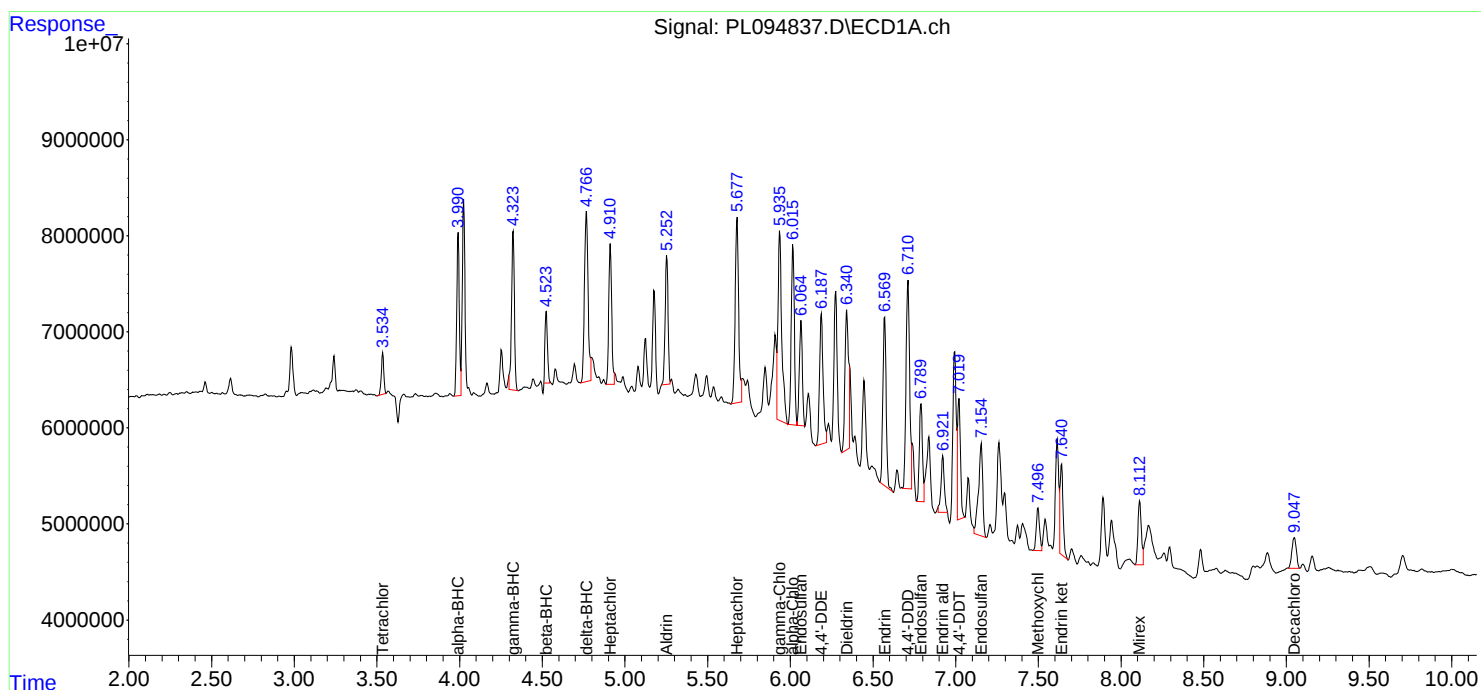
Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

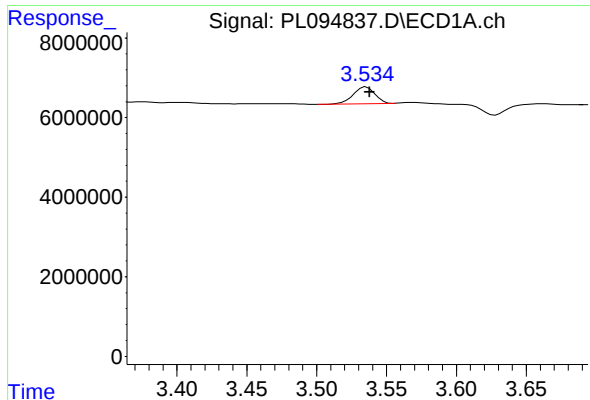
Manual Integrations
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Supervised By :mohammad ahmed 03/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 26 01:19:09 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





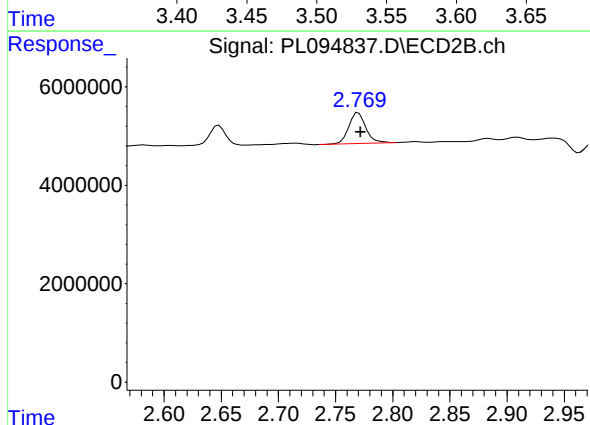
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.002 min
Response: 4532998
Conc: 1.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

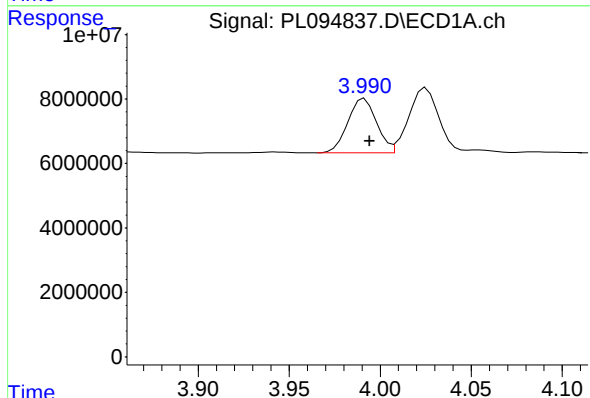
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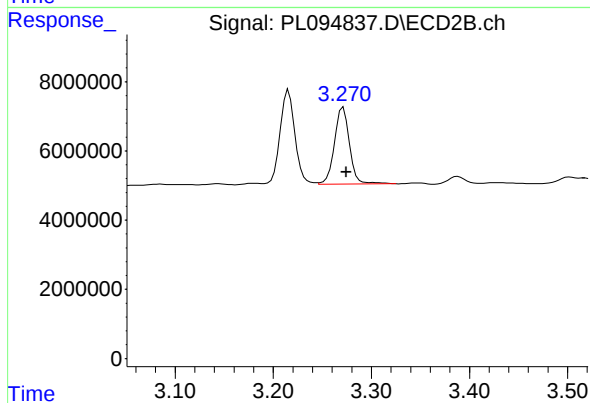
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 6619577
Conc: 1.85 ng/ml



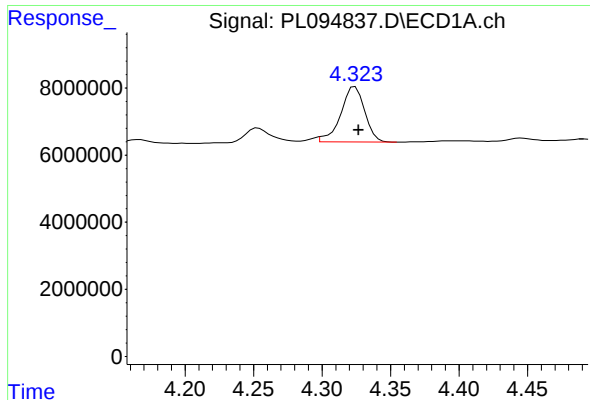
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 18550571
Conc: 4.47 ng/ml



#2 alpha-BHC

R.T.: 3.271 min
Delta R.T.: -0.003 min
Response: 23731092
Conc: 4.40 ng/ml



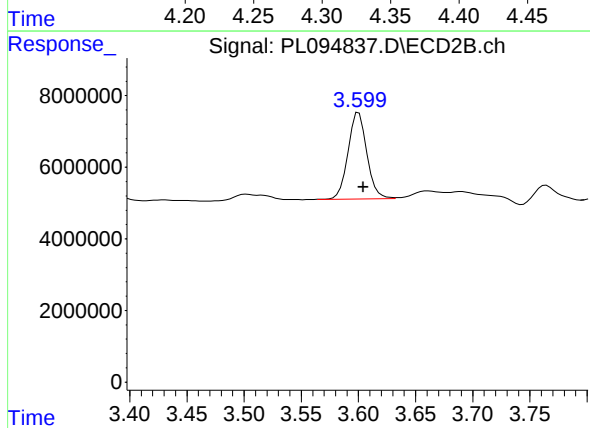
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.004 min
Response: 19955551
Conc: 5.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

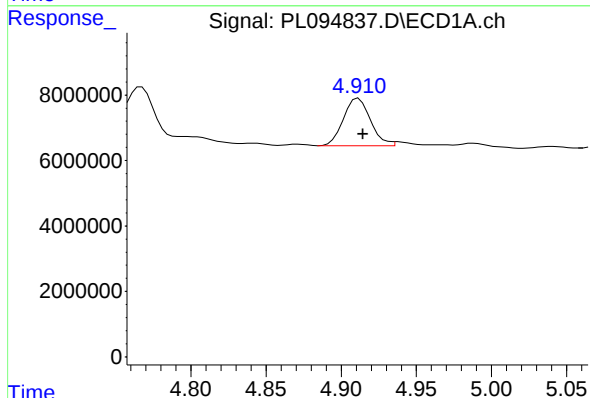
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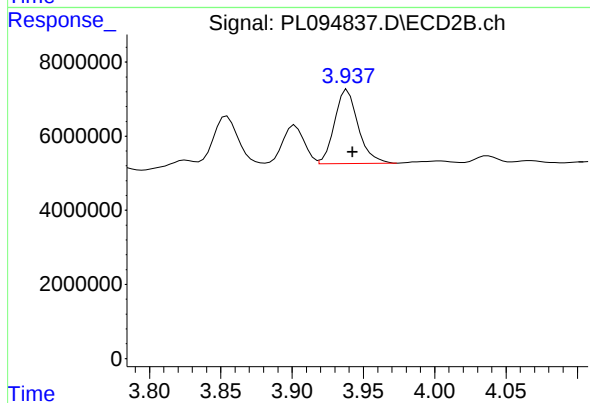
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 27826450
Conc: 5.41 ng/ml m



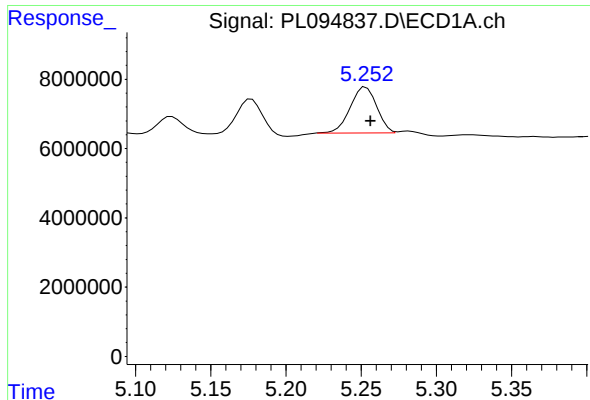
#4 Heptachlor

R.T.: 4.910 min
Delta R.T.: -0.004 min
Response: 18266848
Conc: 4.71 ng/ml m



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.005 min
Response: 23105827
Conc: 4.39 ng/ml m



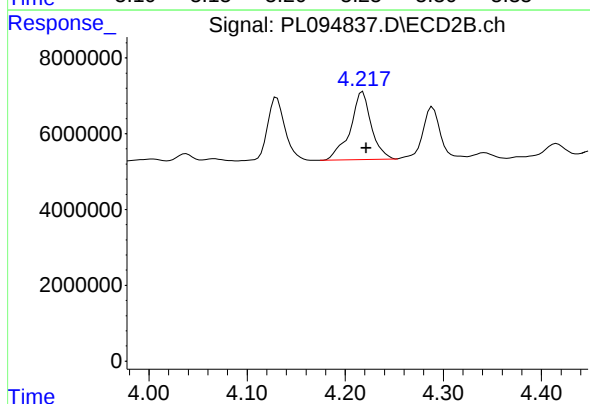
#5 Aldrin

R.T.: 5.252 min
Delta R.T.: -0.005 min
Response: 16268365
Conc: 4.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

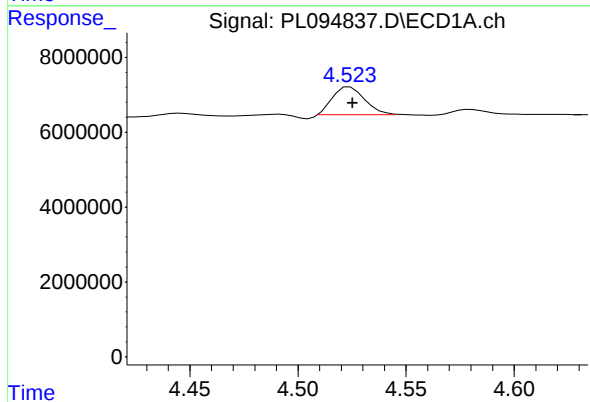
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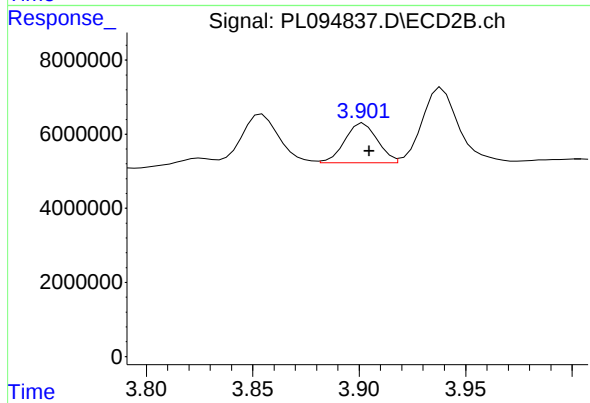
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.004 min
Response: 26741873
Conc: 5.48 ng/ml



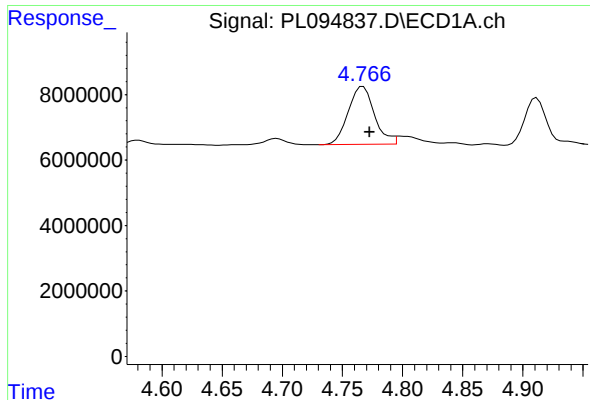
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 7713033
Conc: 4.18 ng/ml m



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.004 min
Response: 11689118
Conc: 5.26 ng/ml m



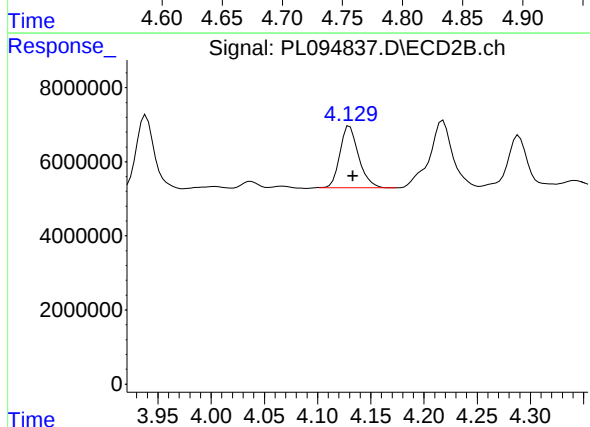
#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: -0.007 min
Response: 27343662
Conc: 7.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

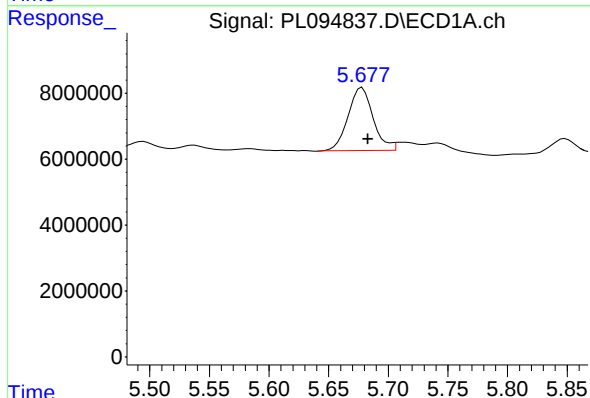
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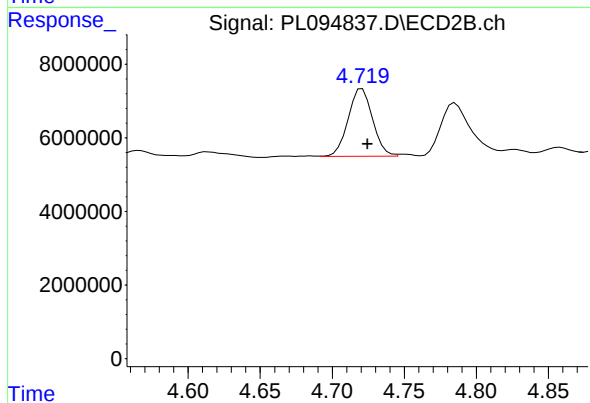
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 20180546
Conc: 4.03 ng/ml



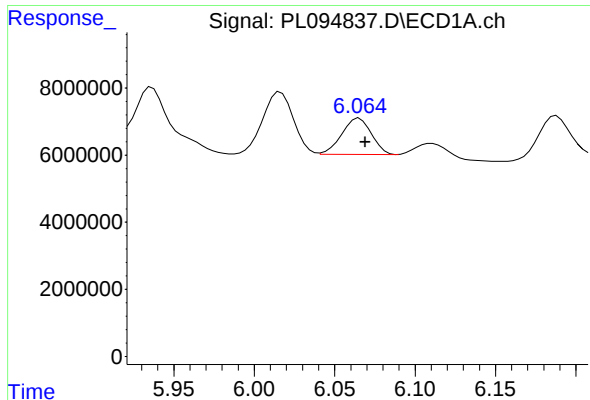
#8 Heptachlor epoxide

R.T.: 5.677 min
Delta R.T.: -0.006 min
Response: 28155707
Conc: 8.42 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 21665428
Conc: 4.73 ng/ml m



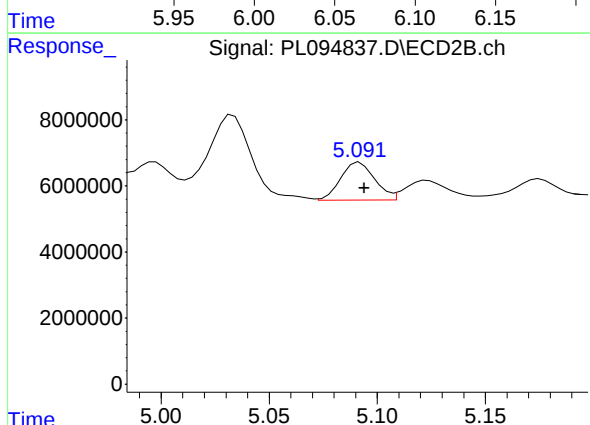
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 13834131
Conc: 4.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

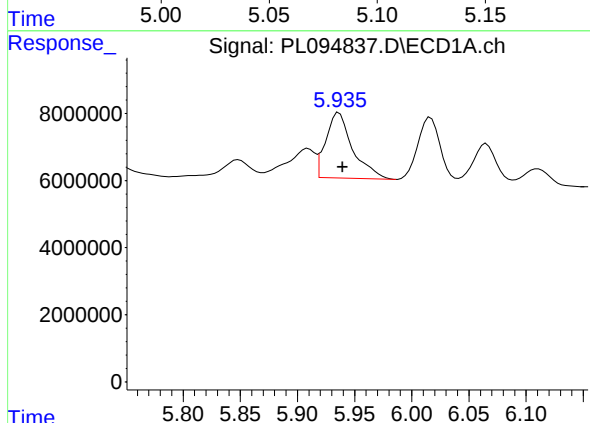
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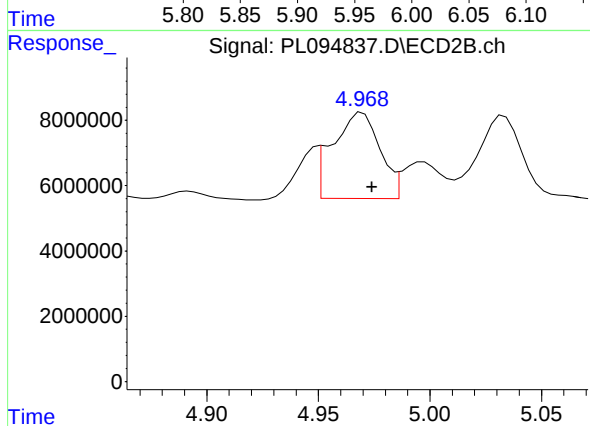
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 12632209
Conc: 2.88 ng/ml



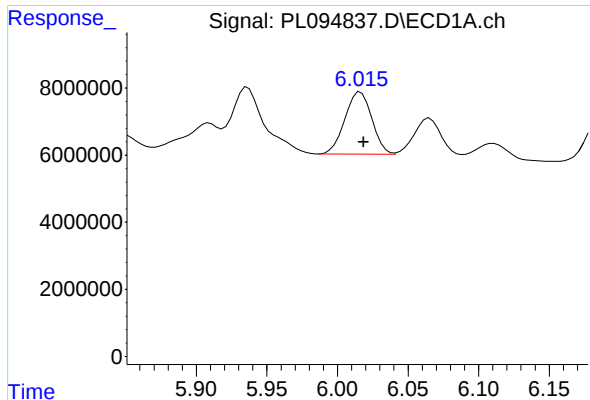
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 31822475
Conc: 9.44 ng/ml



#10 gamma-Chlordane

R.T.: 4.968 min
Delta R.T.: -0.006 min
Response: 38019748
Conc: 7.87 ng/ml m



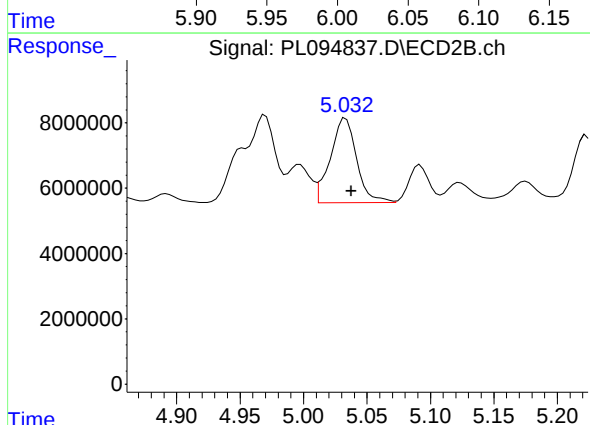
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.002 min
Response: 24631464
Conc: 7.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

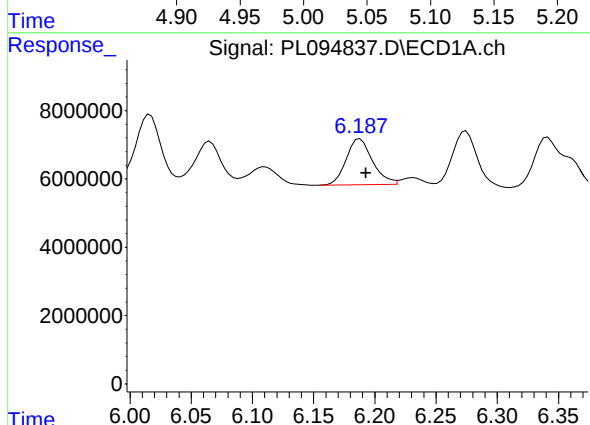
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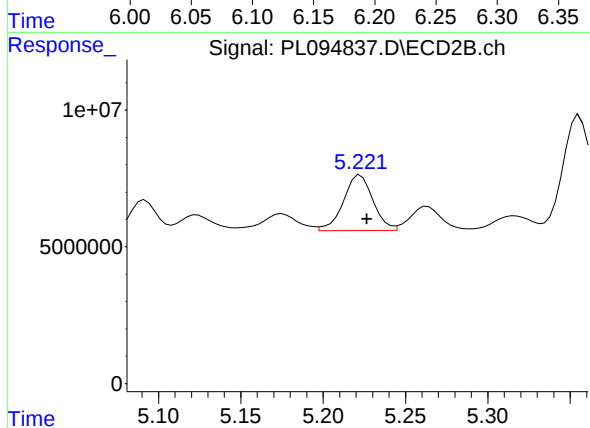
#11 alpha-Chlordane

R.T.: 5.033 min
Delta R.T.: -0.004 min
Response: 37534707
Conc: 7.86 ng/ml



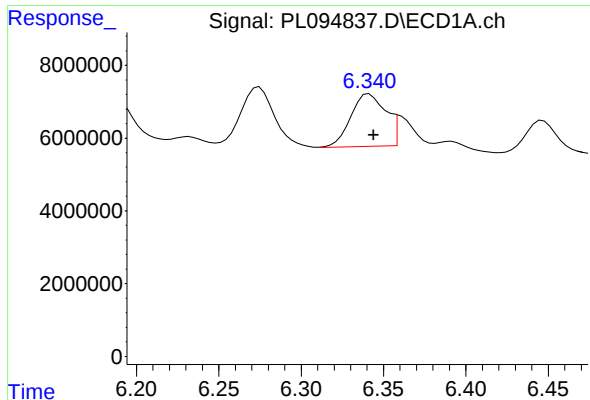
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.006 min
Response: 20430137
Conc: 6.94 ng/ml m



#12 4,4'-DDE

R.T.: 5.223 min
Delta R.T.: -0.004 min
Response: 25341351
Conc: 5.45 ng/ml



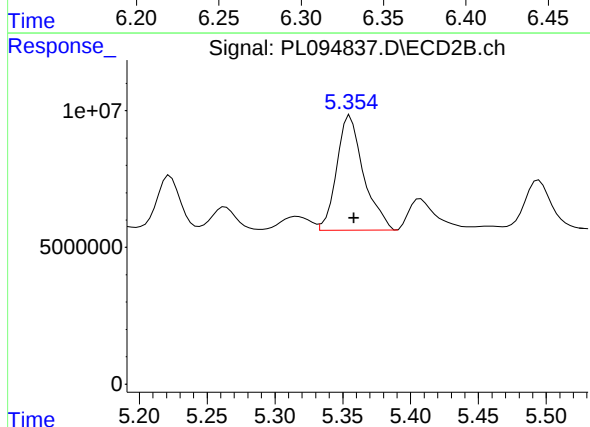
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 23125898
Conc: 7.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

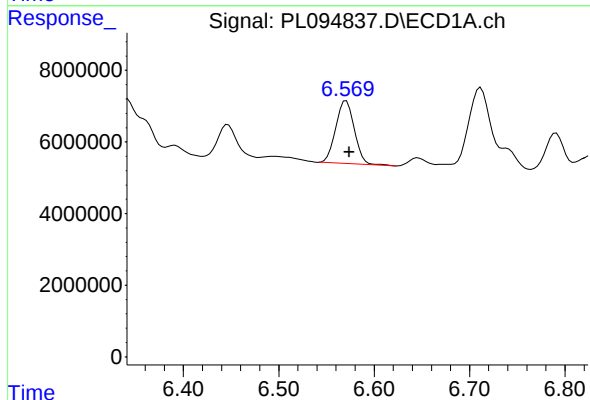
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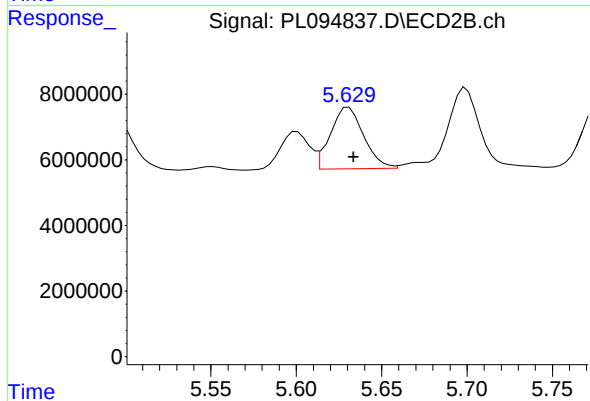
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.003 min
Response: 57971915
Conc: 11.95 ng/ml



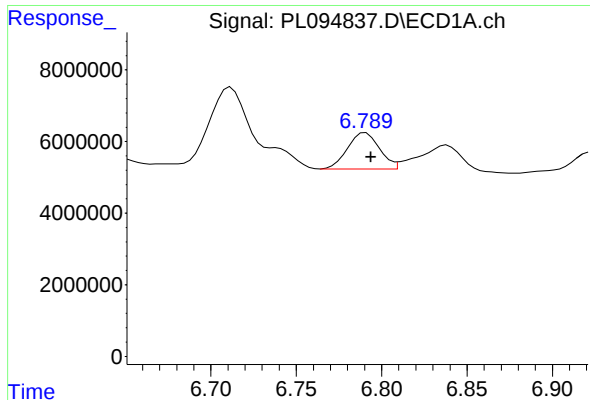
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 23758111
Conc: 8.57 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 25423342
Conc: 5.83 ng/ml



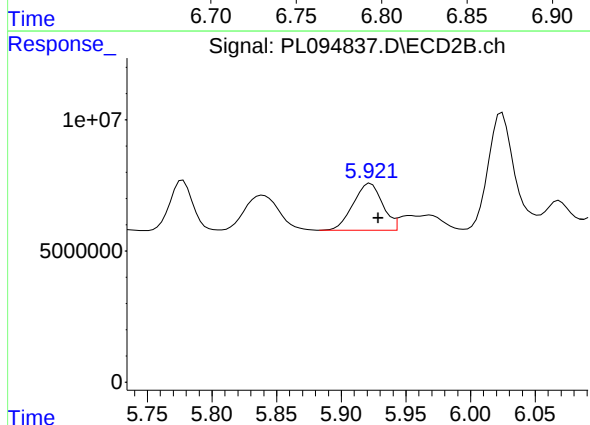
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: -0.004 min
Response: 13391043
Conc: 4.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

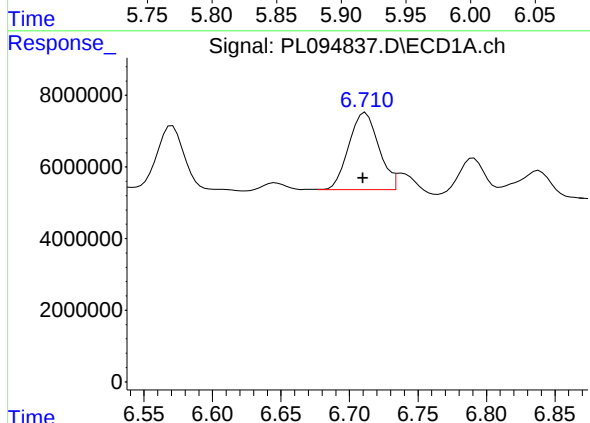
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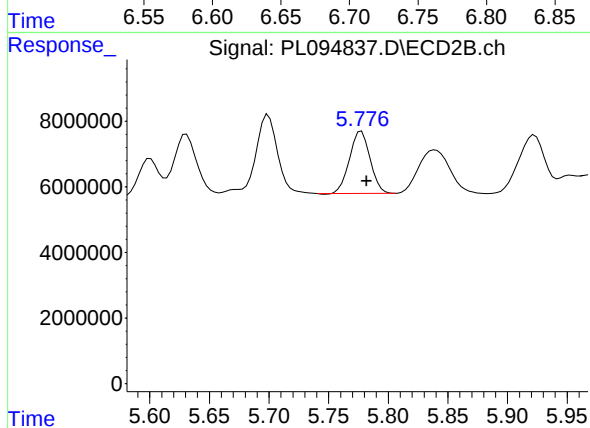
#15 Endosulfan II

R.T.: 5.921 min
Delta R.T.: -0.007 min
Response: 28343102
Conc: 6.55 ng/ml m



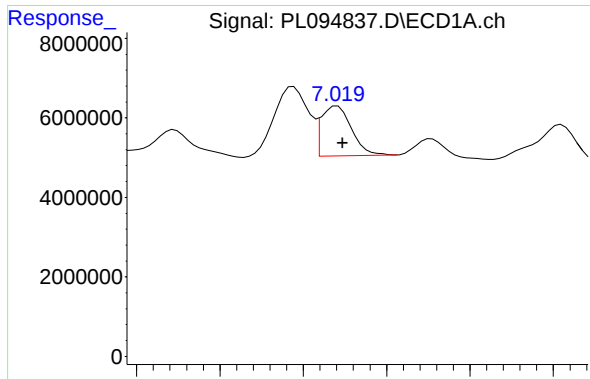
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.000 min
Response: 32430086
Conc: 14.97 ng/ml m



#16 4,4'-DDD

R.T.: 5.777 min
Delta R.T.: -0.004 min
Response: 22810314
Conc: 6.34 ng/ml



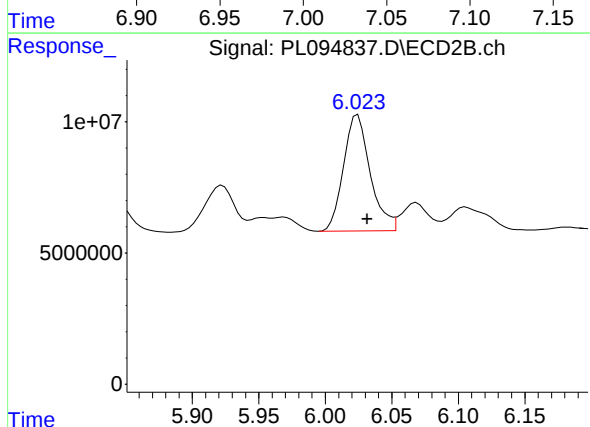
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.003 min
Response: 15759074
Conc: 6.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

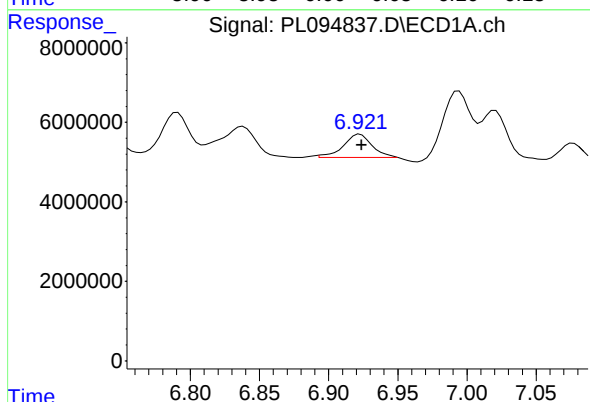
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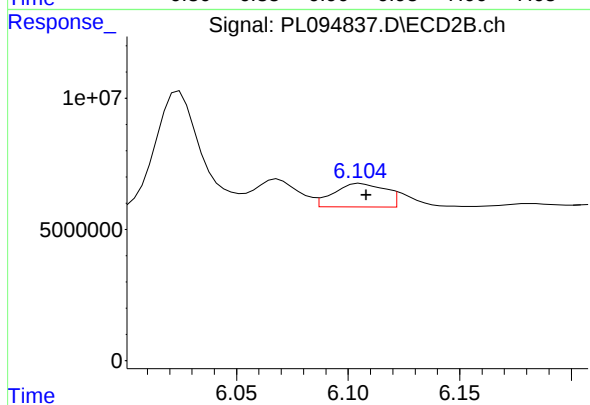
#17 4,4'-DDT

R.T.: 6.024 min
Delta R.T.: -0.007 min
Response: 61917562
Conc: 15.36 ng/ml



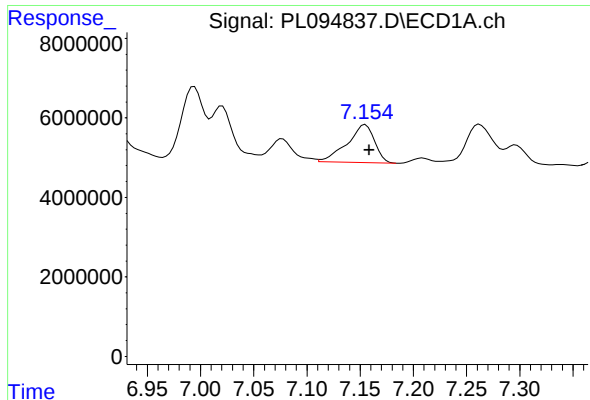
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: -0.002 min
Response: 8269594
Conc: 3.92 ng/ml m



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 14918276
Conc: 4.43 ng/ml m



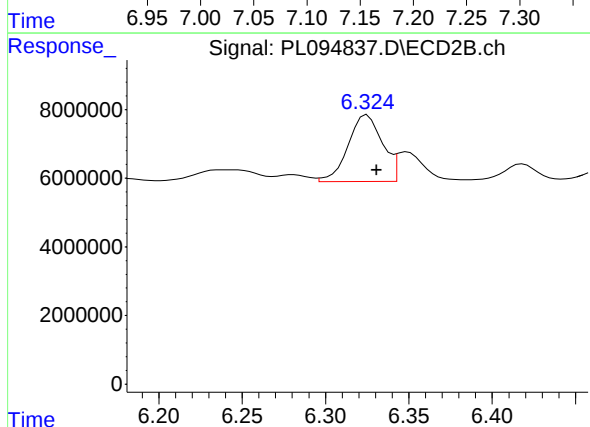
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: -0.005 min
Response: 17072888
Conc: 7.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

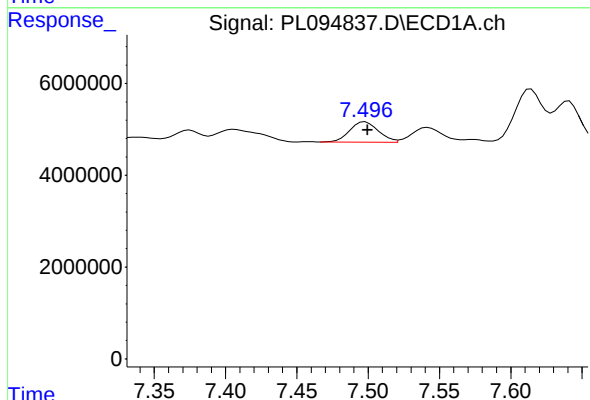
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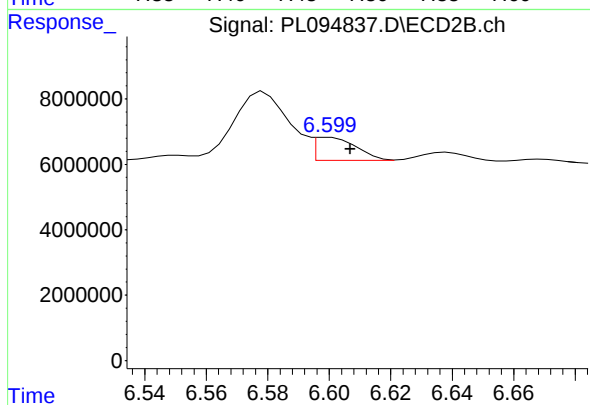
#19 Endosulfan Sulfate

R.T.: 6.325 min
Delta R.T.: -0.006 min
Response: 27827591
Conc: 6.83 ng/ml



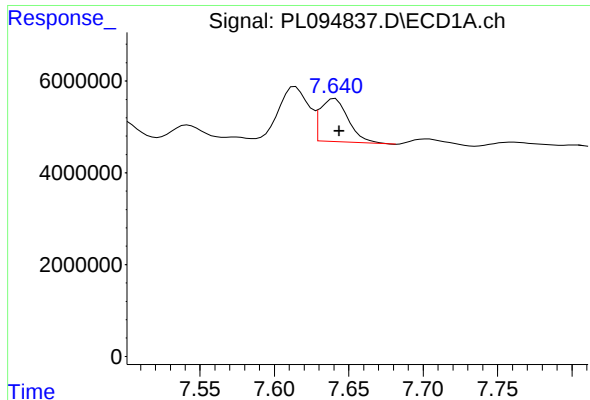
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.003 min
Response: 6165610
Conc: 5.15 ng/ml m



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.008 min
Response: 6180917
Conc: 2.91 ng/ml m



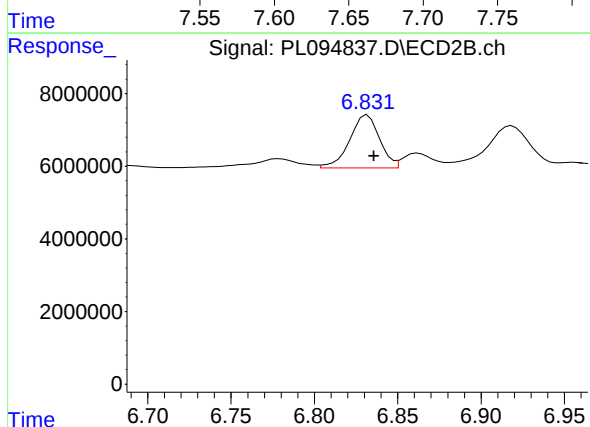
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 12378408
Conc: 4.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

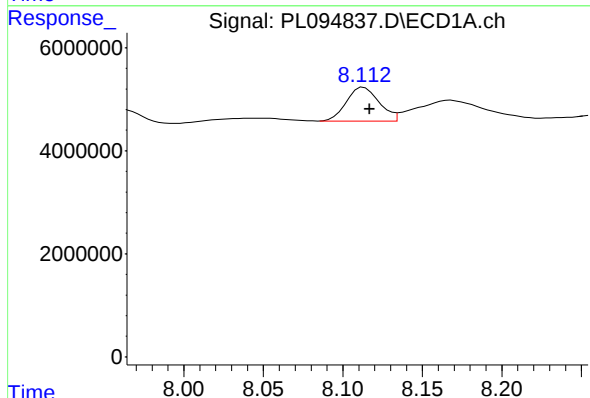
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/26/2025
Supervised By :mohammad ahmed 03/27/2025



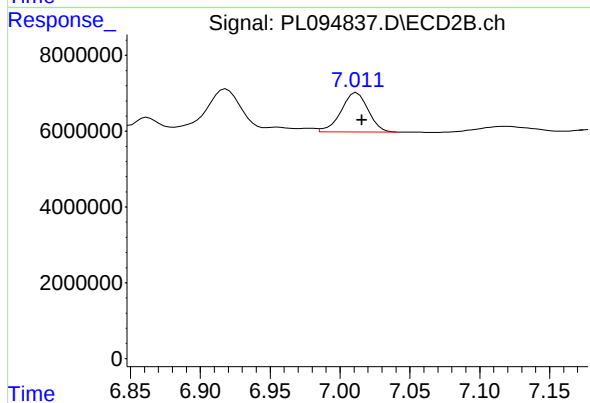
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 18241446
Conc: 3.82 ng/ml



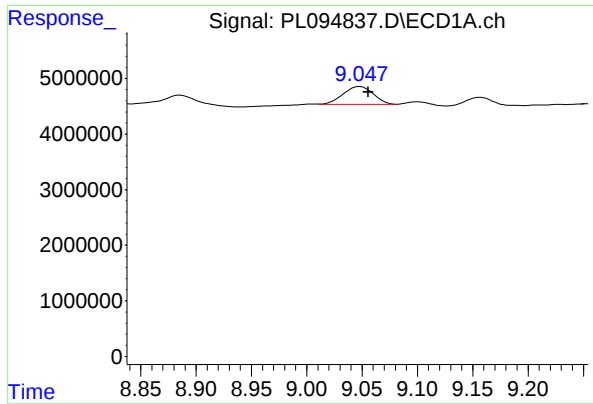
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.005 min
Response: 9300607
Conc: 4.50 ng/ml m



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.005 min
Response: 13918443
Conc: 3.67 ng/ml m



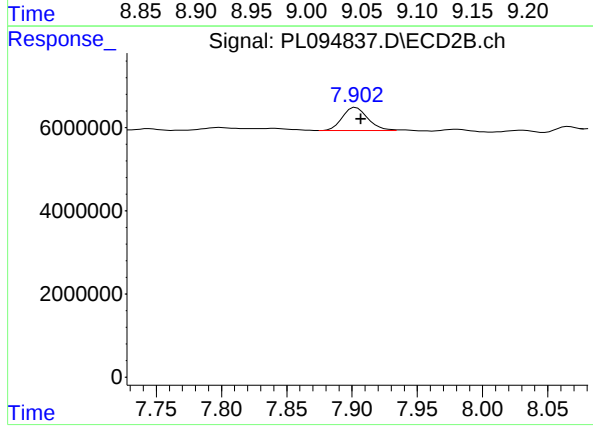
#28 Decachlorobiphenyl

R.T.: 9.047 min
Delta R.T.: -0.009 min
Response: 6010853
Conc: 2.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
CO-32-1MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/26/2025
Supervised By :mohammad ahmed 03/27/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 7608731
Conc: 1.88 ng/ml m