

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
 Data File : PL094754.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Mar 2025 19:58
 Operator : AR\AJ
 Sample : PB167204BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167204BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/20/2025
 Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 20 01:10:45 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...	3.535	2.770	59249829	78992810	20.931	22.131
28) SA Decachlor...	9.048	7.902	50147433	88744732	23.795	21.970
Target Compounds						
2) A alpha-BHC	3.992	3.272	198.4E6	278.2E6	47.775	51.604
3) MA gamma-BHC...	4.324	3.601	191.4E6	262.6E6	47.956	51.102
4) MA Heptachlor	4.912	3.939	174.8E6	252.3E6	45.044	47.881
5) MB Aldrin	5.253	4.218	175.8E6	249.1E6	47.626	51.082
6) B beta-BHC	4.523	3.901	88120193	116.4E6	47.756	52.421
7) B delta-BHC	4.770	4.130	202.8E6	265.2E6	52.068	53.018
8) B Heptachlo...	5.680	4.719	161.8E6	237.8E6	48.362	51.933m
9) A Endosulfan I	6.065	5.090	149.9E6	223.4E6	48.824	50.906
10) B gamma-Chl...	5.936	4.970	163.8E6	249.3E6	48.615	51.631
11) B alpha-Chl...	6.015	5.034	161.2E6	244.4E6	48.901	51.215
12) B 4,4'-DDE	6.189	5.221	156.4E6	249.0E6	53.153	53.575m
13) MA Dieldrin	6.340	5.353	157.3E6	252.0E6	49.190	51.941m
14) MA Endrin	6.569	5.628	121.6E6	211.2E6	43.873m	48.408m
15) B Endosulfa...	6.790	5.925	135.1E6	227.9E6	49.762	52.651
16) A 4,4'-DDD	6.706	5.778	125.6E6	215.6E6	57.981	59.953
17) MA 4,4'-DDT	7.020	6.027	109.4E6	188.6E6	46.013	46.765
18) B Endrin al...	6.920	6.104	105.5E6	176.5E6	49.967	52.460
19) B Endosulfa...	7.155	6.327	123.4E6	217.4E6	50.739	53.362
20) A Methoxychlor	7.496	6.602	56031317	100.6E6	46.807	47.427
21) B Endrin ke...	7.640	6.832	140.1E6	266.8E6	52.998	55.913
22) Mirex	8.113	7.010	99077067	189.0E6	47.949	49.797m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031925\
Data File : PL094754.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 19 Mar 2025 19:58
Operator : AR\AJ
Sample : PB167204BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167204BS

Manual Integrations

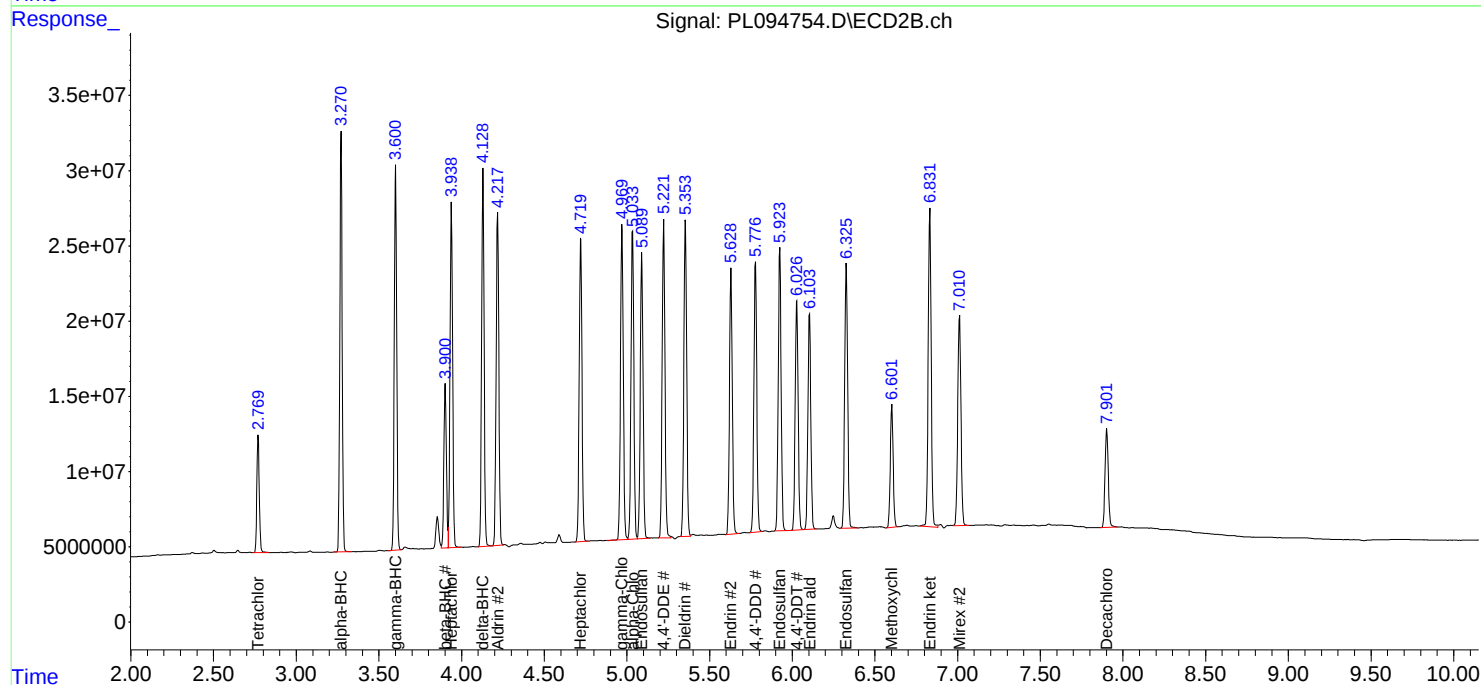
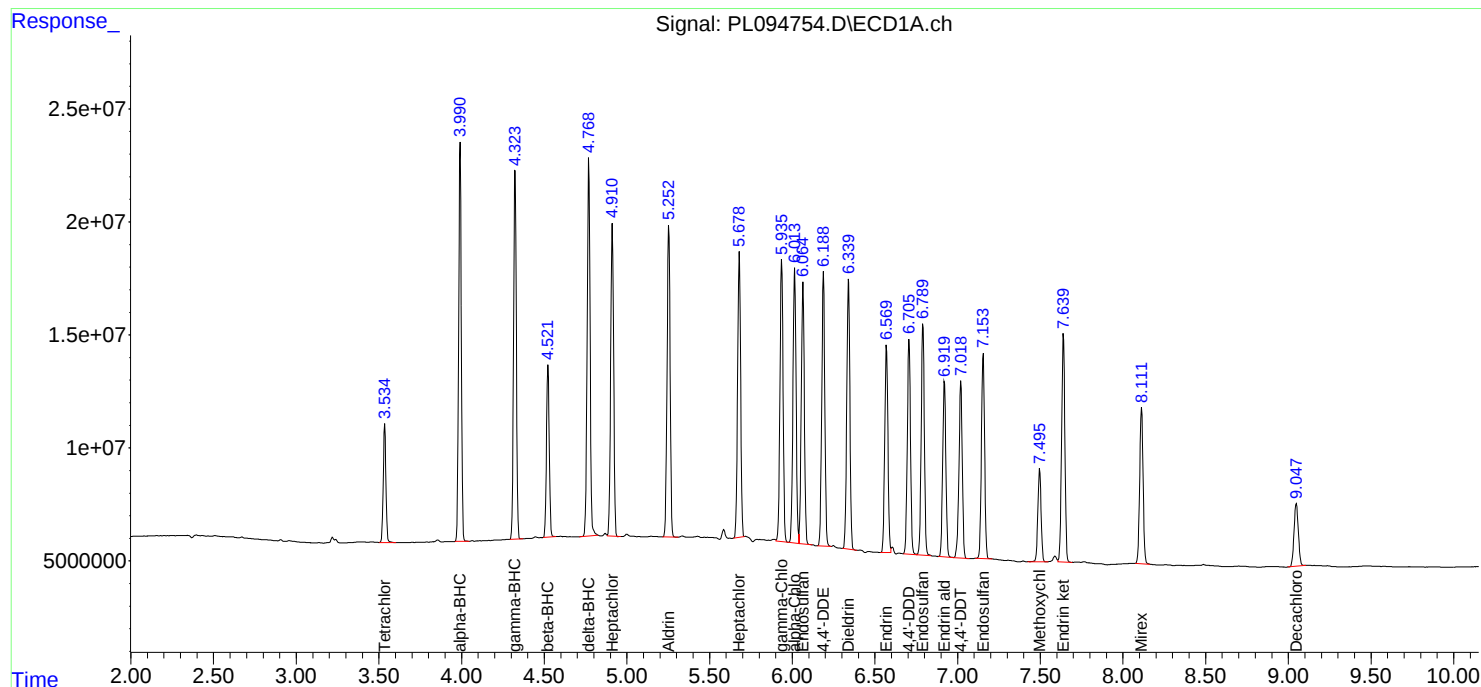
APPROVED

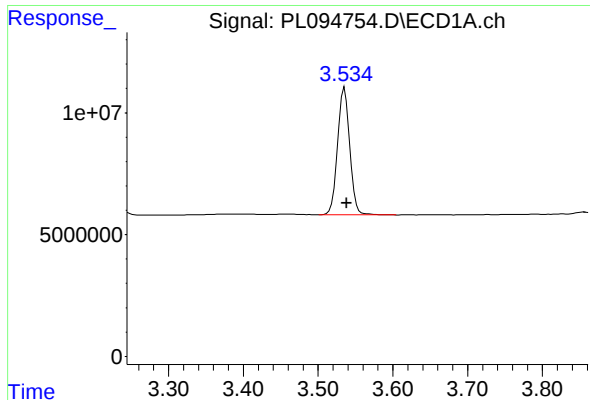
Reviewed By :Abdul Mirza 03/20/2025

Supervised By :mohammad ahmed 03/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 20 01:10:45 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





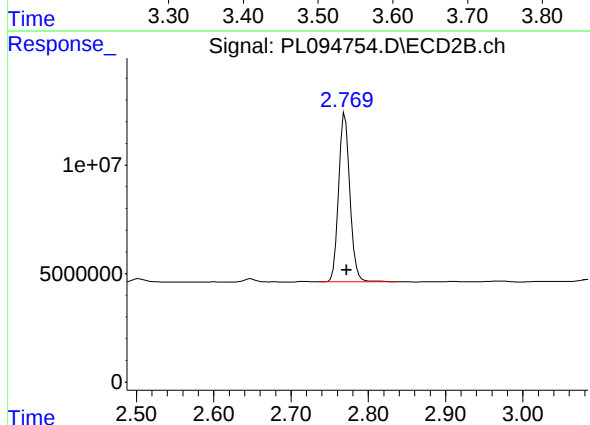
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 59249829
Conc: 20.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

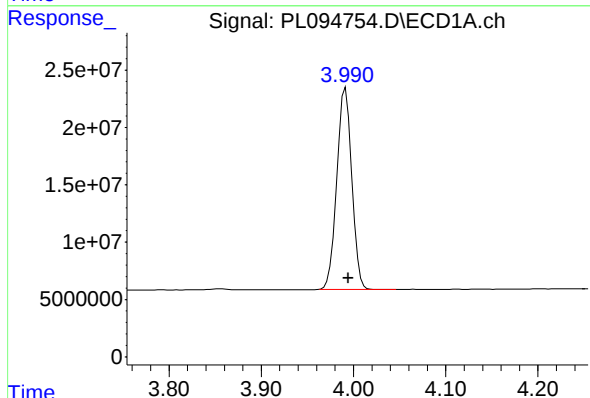
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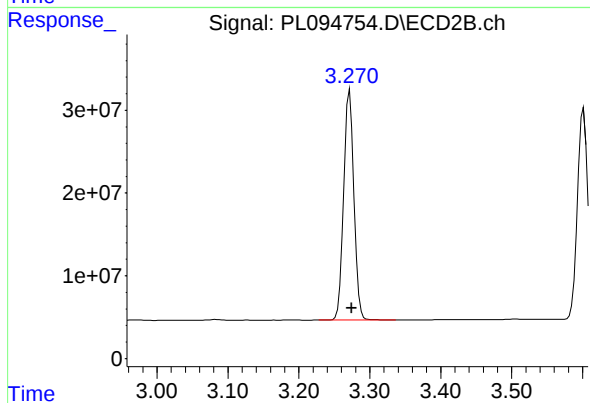
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 78992810
Conc: 22.13 ng/ml



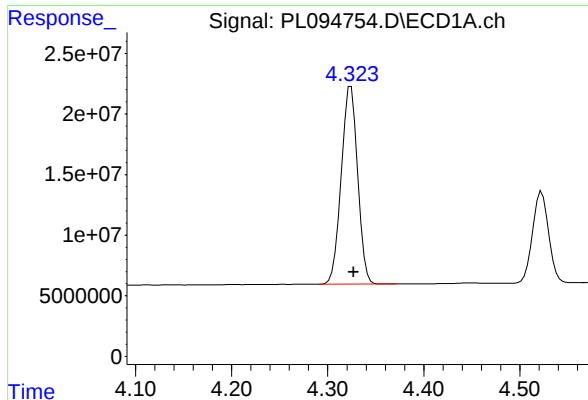
#2 alpha-BHC

R.T.: 3.992 min
Delta R.T.: -0.003 min
Response: 198378064
Conc: 47.77 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.003 min
Response: 278216573
Conc: 51.60 ng/ml



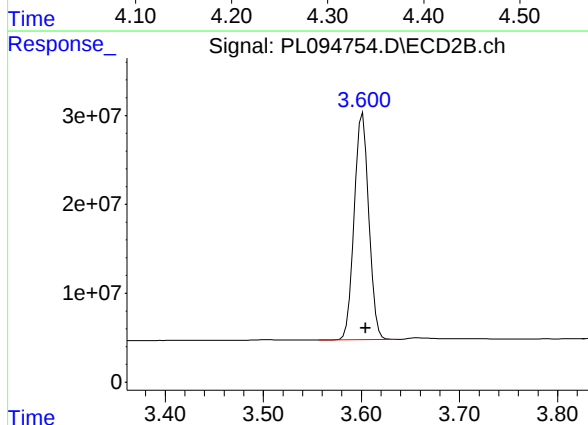
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 191356149
Conc: 47.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

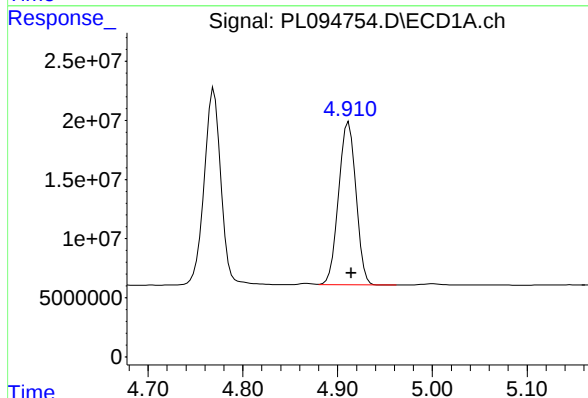
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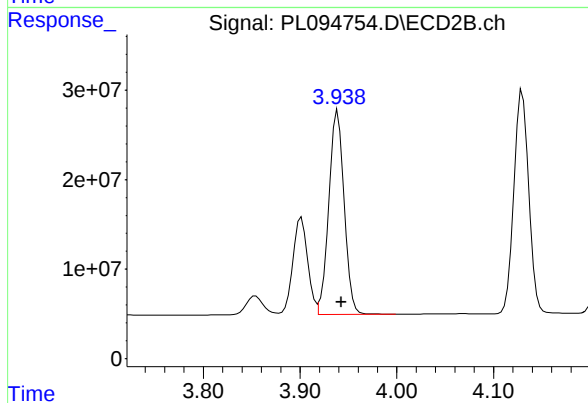
#3 gamma-BHC (Lindane)

R.T.: 3.601 min
Delta R.T.: -0.003 min
Response: 262635441
Conc: 51.10 ng/ml



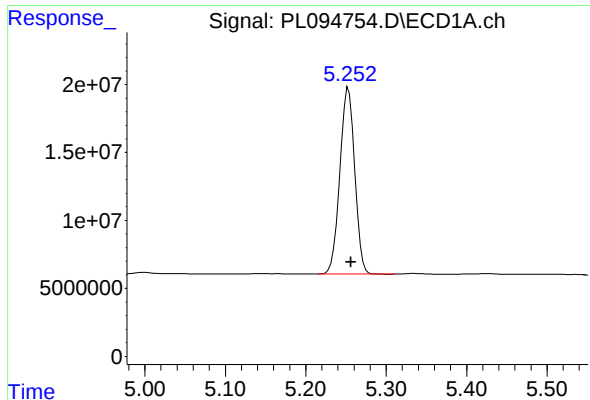
#4 Heptachlor

R.T.: 4.912 min
Delta R.T.: -0.003 min
Response: 174842878
Conc: 45.04 ng/ml



#4 Heptachlor

R.T.: 3.939 min
Delta R.T.: -0.003 min
Response: 252270541
Conc: 47.88 ng/ml



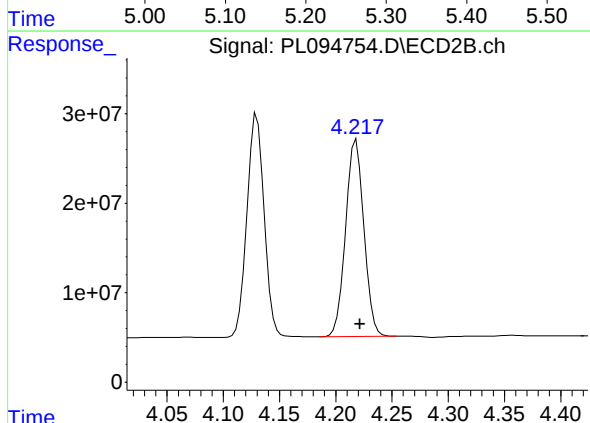
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 175845040
Conc: 47.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

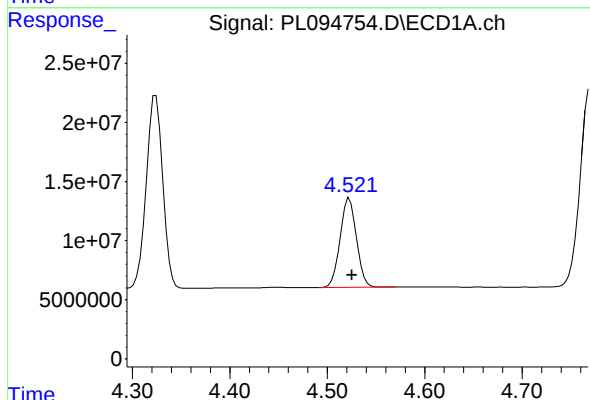
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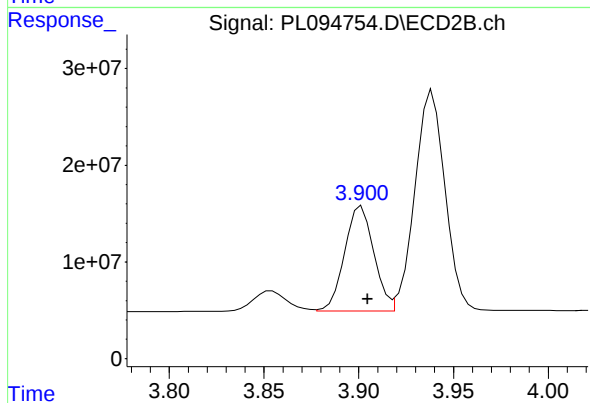
#5 Aldrin

R.T.: 4.218 min
Delta R.T.: -0.003 min
Response: 249091638
Conc: 51.08 ng/ml



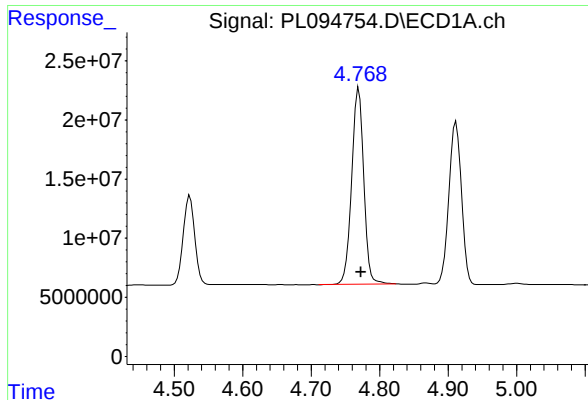
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.003 min
Response: 88120193
Conc: 47.76 ng/ml



#6 beta-BHC

R.T.: 3.901 min
Delta R.T.: -0.003 min
Response: 116442366
Conc: 52.42 ng/ml



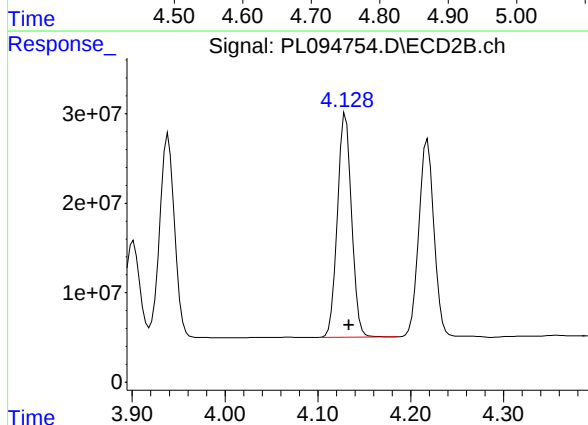
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 202770668
Conc: 52.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

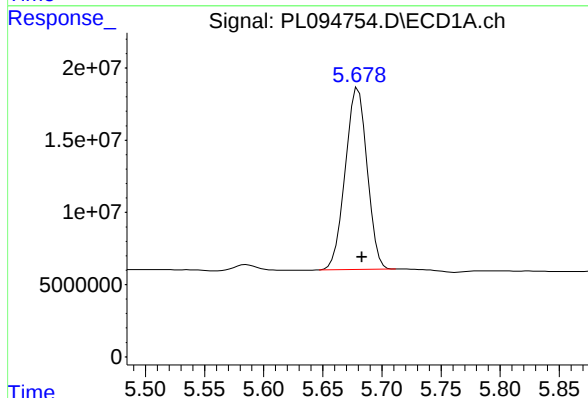
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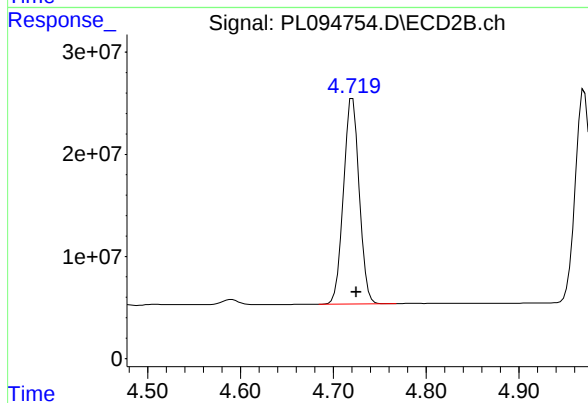
#7 delta-BHC

R.T.: 4.130 min
Delta R.T.: -0.003 min
Response: 265193516
Conc: 53.02 ng/ml



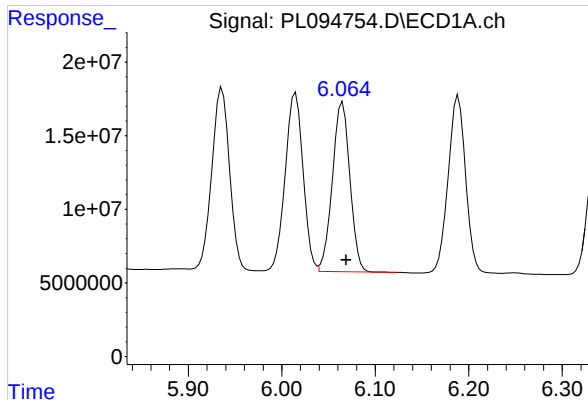
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 161780926
Conc: 48.36 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.005 min
Response: 237780741
Conc: 51.93 ng/ml m



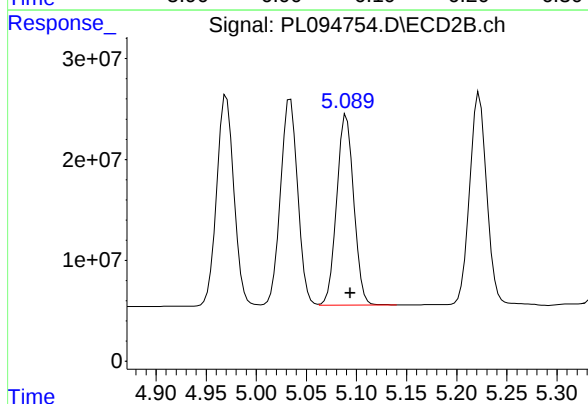
#9 Endosulfan I

R.T.: 6.065 min
Delta R.T.: -0.004 min
Response: 149898143
Conc: 48.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

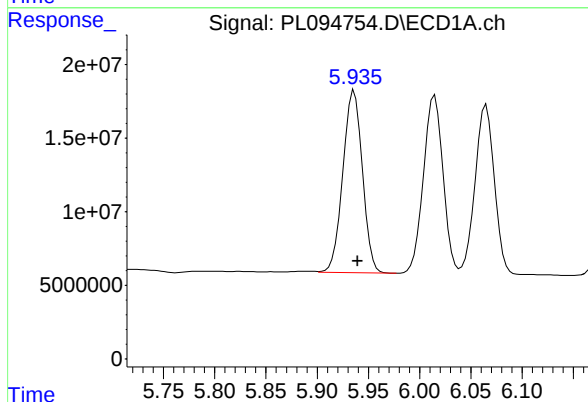
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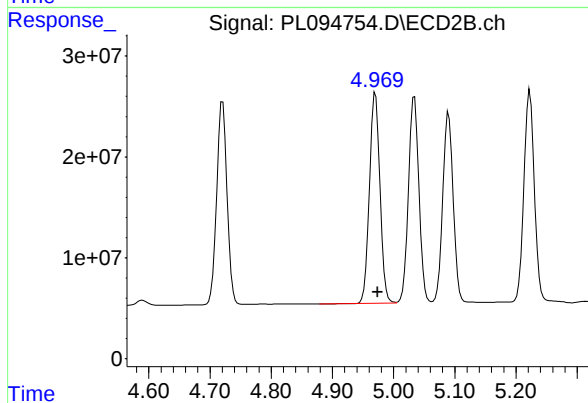
#9 Endosulfan I

R.T.: 5.090 min
Delta R.T.: -0.004 min
Response: 223413814
Conc: 50.91 ng/ml



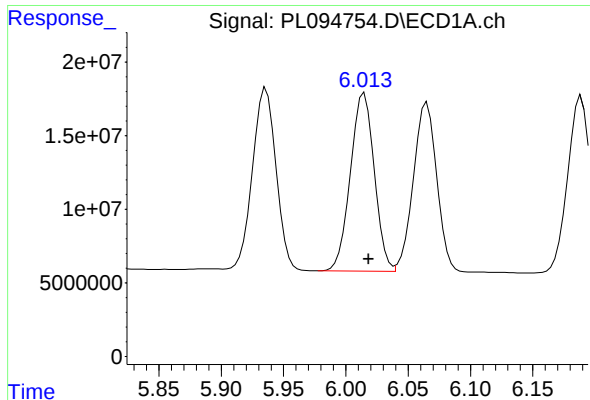
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 163801314
Conc: 48.61 ng/ml



#10 gamma-Chlordane

R.T.: 4.970 min
Delta R.T.: -0.004 min
Response: 249294770
Conc: 51.63 ng/ml



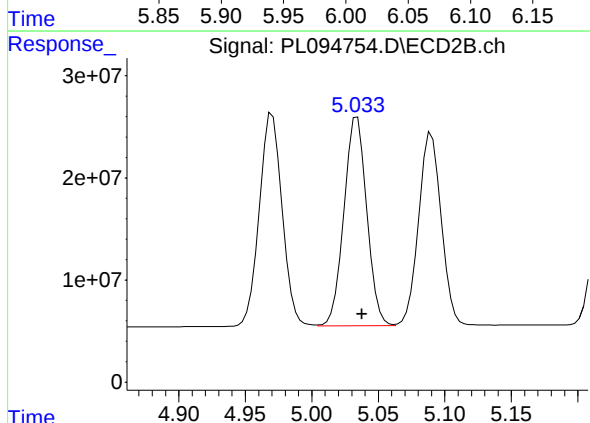
#11 alpha-Chlordane

R.T.: 6.015 min
Delta R.T.: -0.004 min
Response: 161218594
Conc: 48.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

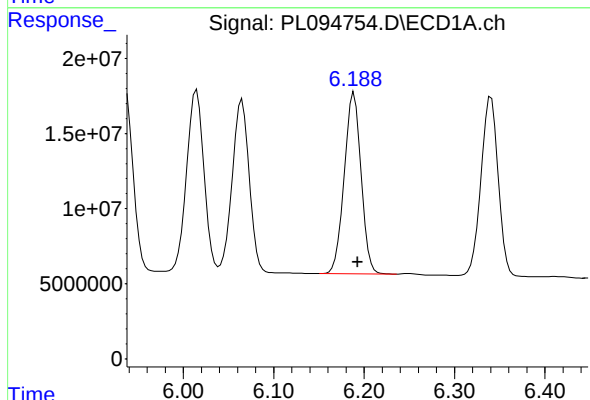
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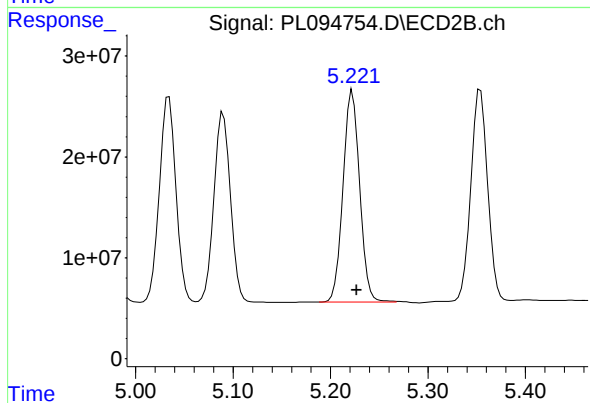
#11 alpha-Chlordane

R.T.: 5.034 min
Delta R.T.: -0.004 min
Response: 244437502
Conc: 51.22 ng/ml



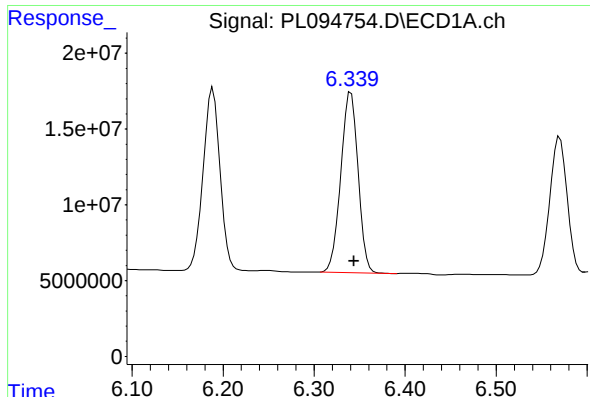
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 156379160
Conc: 53.15 ng/ml



#12 4,4'-DDE

R.T.: 5.221 min
Delta R.T.: -0.005 min
Response: 249043556
Conc: 53.57 ng/ml m



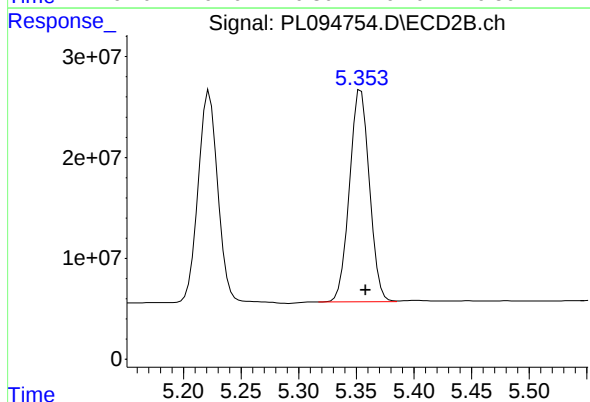
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.004 min
Response: 157315911
Conc: 49.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

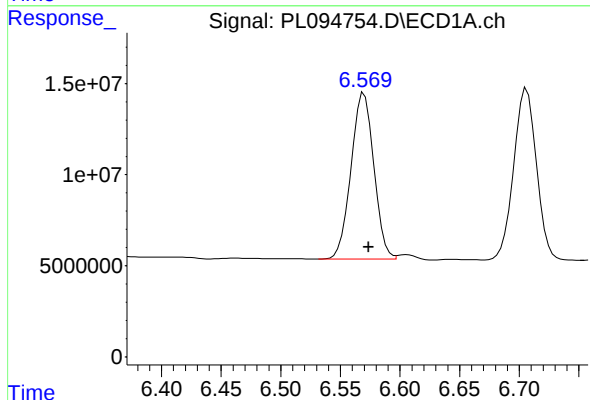
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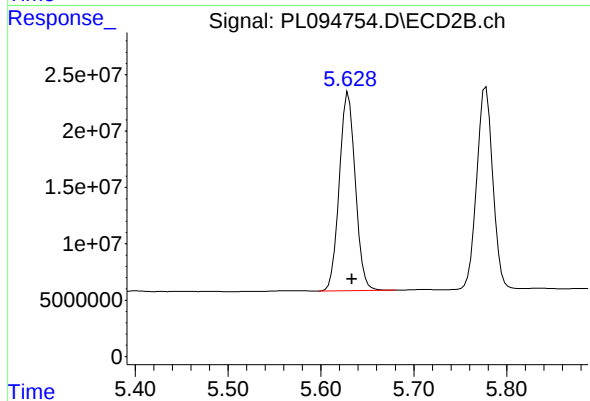
#13 Dieldrin

R.T.: 5.353 min
Delta R.T.: -0.006 min
Response: 252007931
Conc: 51.94 ng/ml



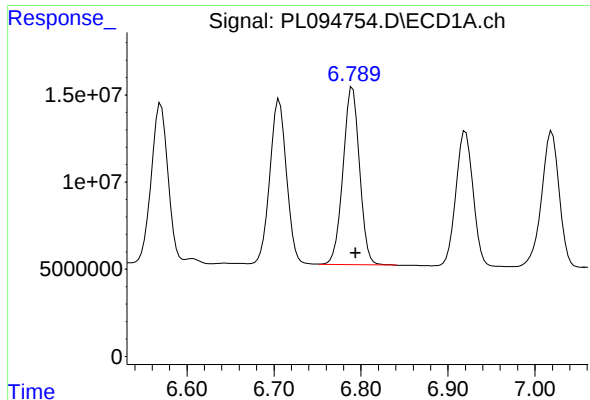
#14 Endrin

R.T.: 6.569 min
Delta R.T.: -0.005 min
Response: 121619286
Conc: 43.87 ng/ml



#14 Endrin

R.T.: 5.628 min
Delta R.T.: -0.005 min
Response: 211236025
Conc: 48.41 ng/ml



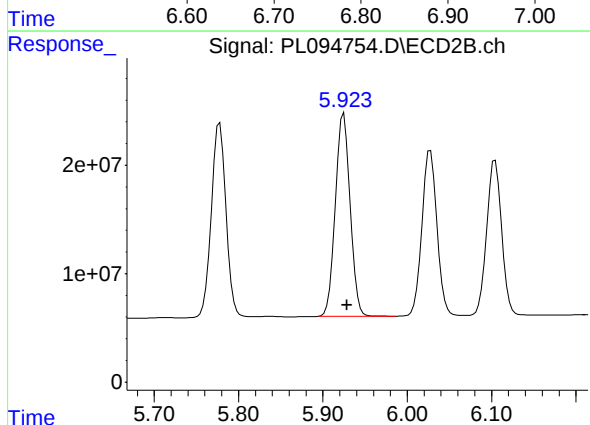
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: -0.003 min
Response: 135091461
Conc: 49.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

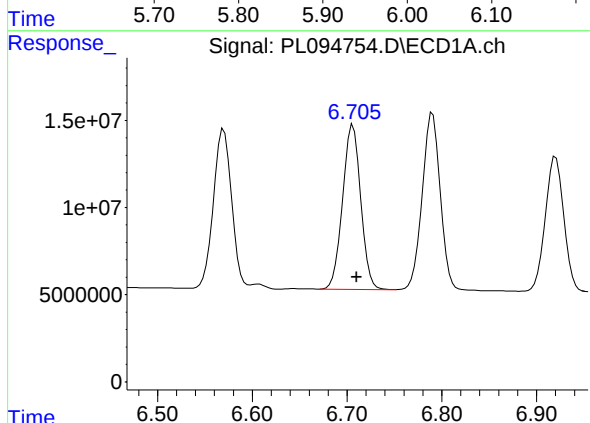
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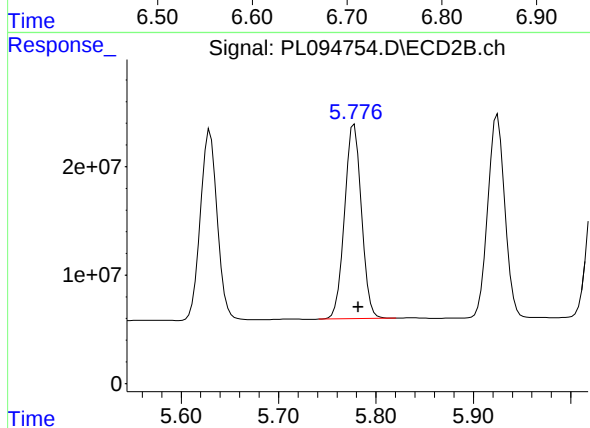
#15 Endosulfan II

R.T.: 5.925 min
Delta R.T.: -0.004 min
Response: 227885963
Conc: 52.65 ng/ml



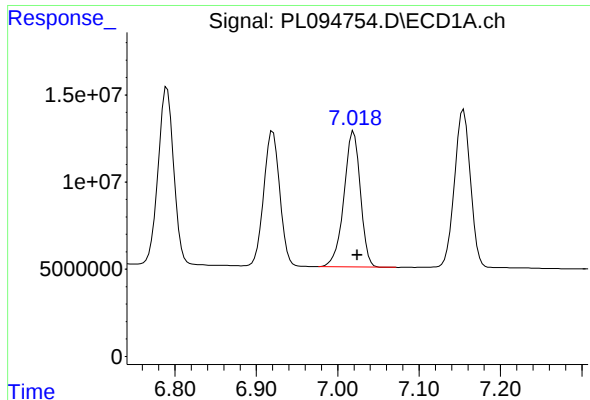
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.004 min
Response: 125590136
Conc: 57.98 ng/ml



#16 4,4'-DDD

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 215586197
Conc: 59.95 ng/ml



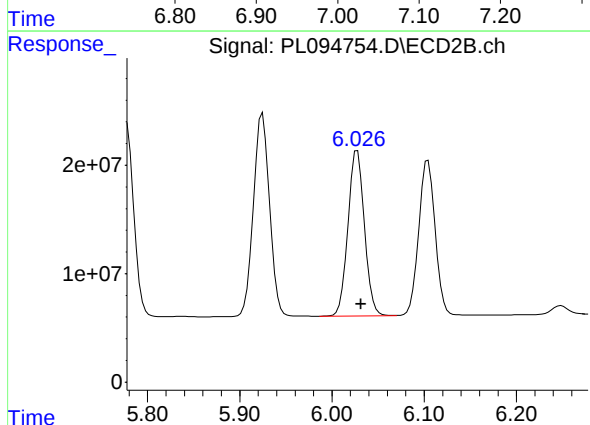
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.004 min
Response: 109443203
Conc: 46.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

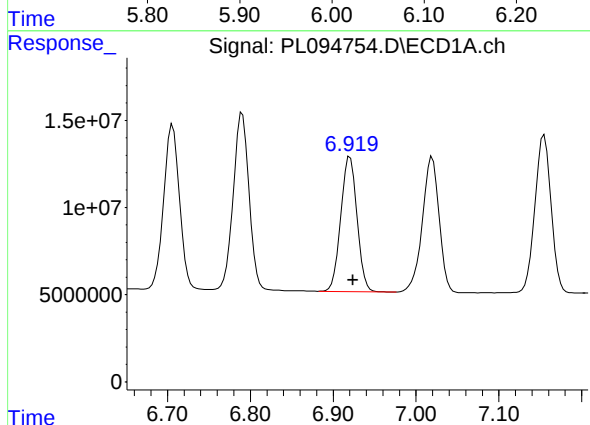
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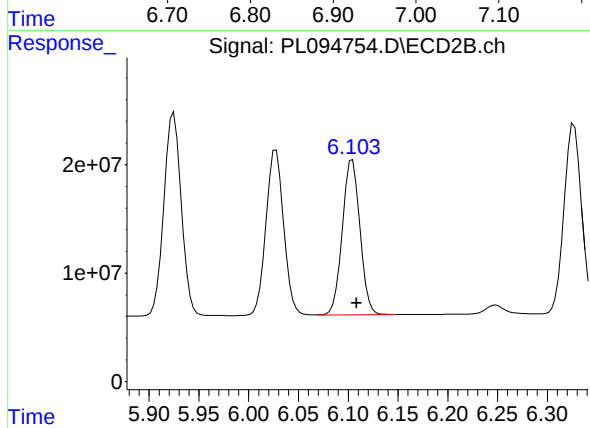
#17 4,4'-DDT

R.T.: 6.027 min
Delta R.T.: -0.004 min
Response: 188561677
Conc: 46.77 ng/ml



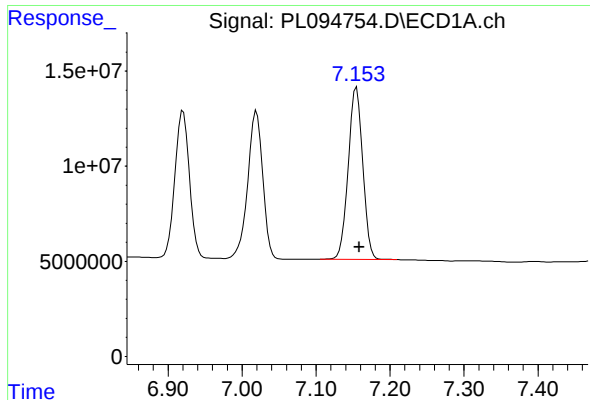
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 105480351
Conc: 49.97 ng/ml



#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 176546371
Conc: 52.46 ng/ml



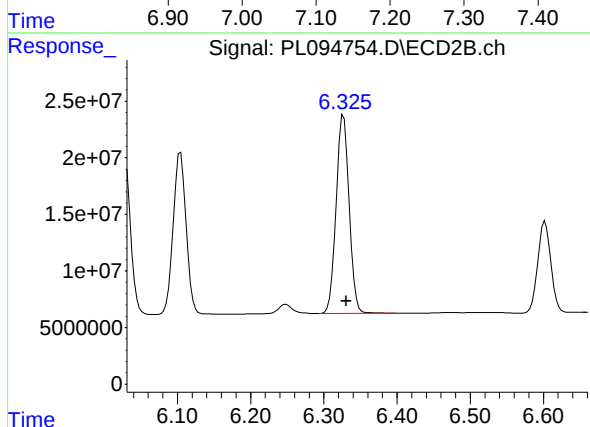
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: -0.004 min
Response: 123398246
Conc: 50.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

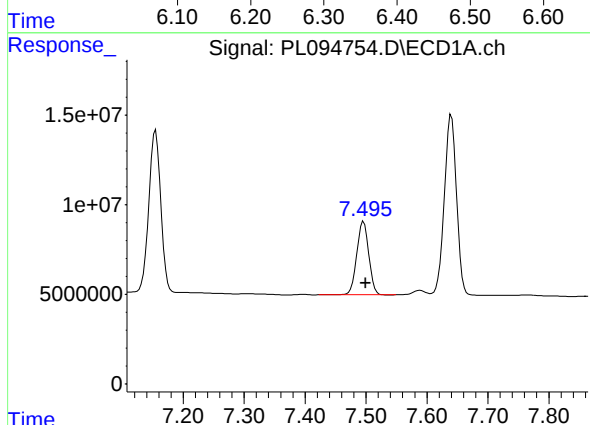
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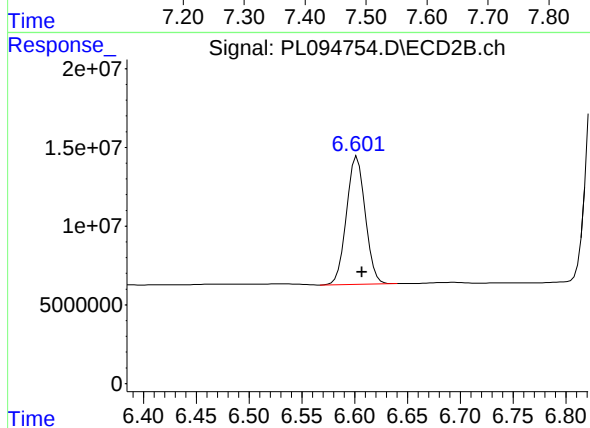
#19 Endosulfan Sulfate

R.T.: 6.327 min
Delta R.T.: -0.004 min
Response: 217366554
Conc: 53.36 ng/ml



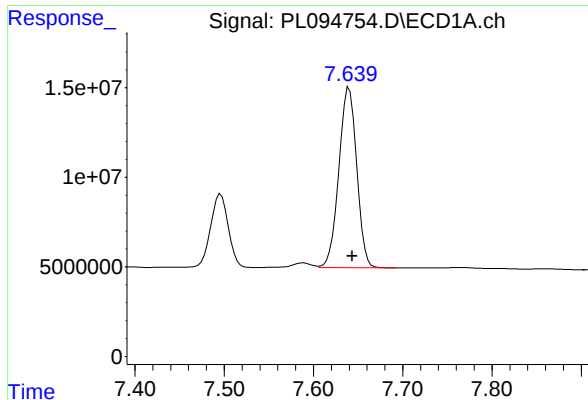
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: -0.004 min
Response: 56031317
Conc: 46.81 ng/ml



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 100596239
Conc: 47.43 ng/ml



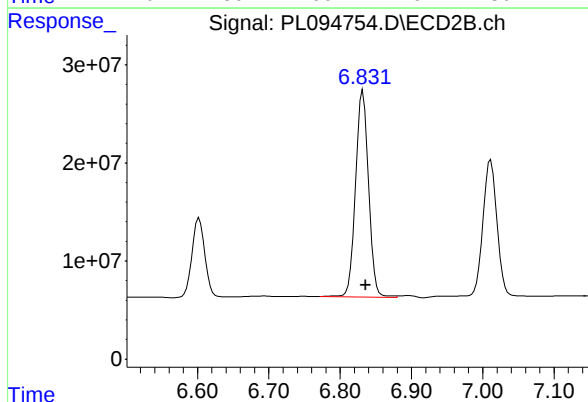
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: -0.004 min
Response: 140086710
Conc: 53.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

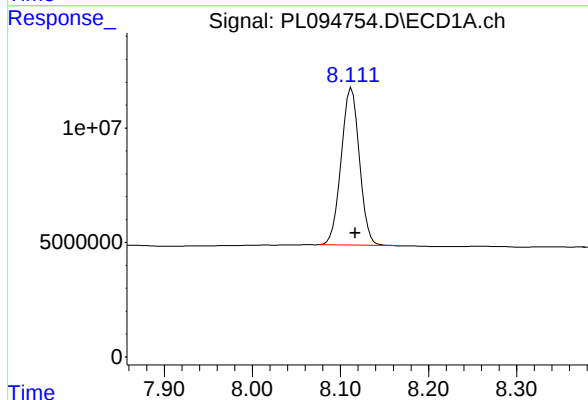
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



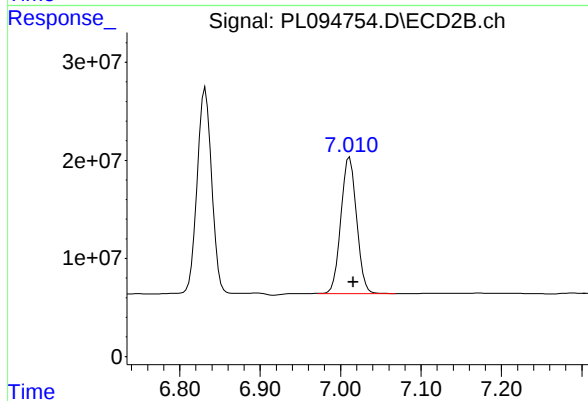
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 266848316
Conc: 55.91 ng/ml



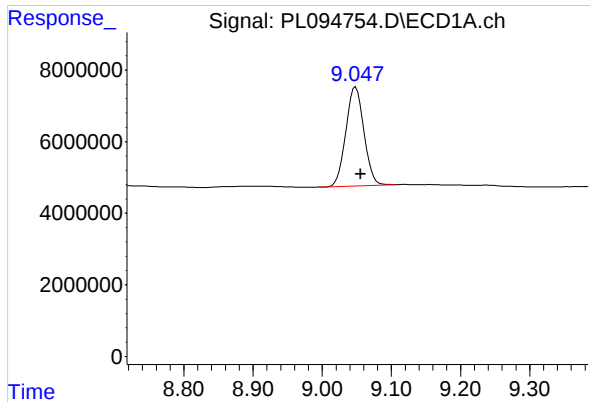
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.004 min
Response: 99077067
Conc: 47.95 ng/ml



#22 Mirex

R.T.: 7.010 min
Delta R.T.: -0.006 min
Response: 188996944
Conc: 49.80 ng/ml m



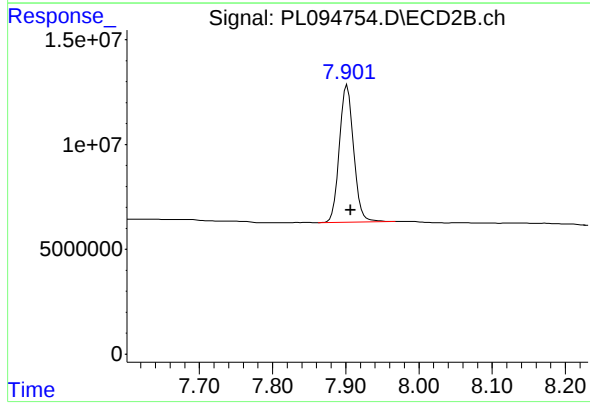
#28 Decachlorobiphenyl

R.T.: 9.048 min
Delta R.T.: -0.007 min
Response: 50147433
Conc: 23.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167204BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/20/2025
Supervised By :mohammad ahmed 03/24/2025



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 88744732
Conc: 21.97 ng/ml