

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050425\
 Data File : PL095516.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 14:27
 Operator : AR\AJ
 Sample : Q1922-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MH-RMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/02/2025
 Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:32:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.593	2.909	58648536	69484278	17.965	21.852
2) SA Decachlor...	9.115	8.085	45843920	52281866	16.545	17.667
Target Compounds						
2) A alpha-BHC	4.044	3.419	237.8E6	286.4E6	48.004	64.374 #
3) MA gamma-BHC...	4.374	3.752	226.8E6	270.6E6	47.913m	61.519 #
4) MA Heptachlor	4.972	4.105	210.8E6	252.1E6	46.093	57.875 #
5) MB Aldrin	5.313	4.390	228.9E6	254.1E6	49.832m	61.729
6) B beta-BHC	4.560	4.045	95902283	119.5E6	46.385	57.566
7) B delta-BHC	4.808	4.281	223.8E6	270.3E6	48.128m	61.677 #
8) B Heptachlo...	5.734	4.893	197.8E6	230.4E6	49.391m	59.652
9) A Endosulfan I	6.119	5.266	190.0E6	217.9E6	50.021	59.537
10) B gamma-Chl...	5.989	5.146	204.4E6	241.3E6	50.099	59.539
11) B alpha-Chl...	6.071	5.210	201.0E6	233.1E6	49.427	58.543
12) B 4,4'-DDE	6.239	5.396	196.2E6	231.0E6	50.041	56.800
13) MA Dieldrin	6.392	5.531	188.0E6	236.7E6	48.778	58.210
14) MA Endrin	6.618	5.805	155.1E6	214.4E6	48.711m	58.889m
15) B Endosulfa...	6.832	6.096	168.3E6	205.0E6	52.712	57.082
16) A 4,4'-DDD	6.747	5.948	142.1E6	196.3E6	50.182m	60.084
17) MA 4,4'-DDT	7.064	6.202	135.8E6	182.3E6	47.661	53.050
18) B Endrin al...	6.958	6.274	111.3E6	140.9E6	47.962m	53.927
19) B Endosulfa...	7.193	6.496	136.6E6	180.0E6	48.743	54.253m
20) A Methoxychlor	7.535	6.772	62605988	98607897	44.875	51.697
21) B Endrin ke...	7.675	7.003	134.0E6	207.5E6	46.990	58.921 #
22) Mirex	8.157	7.198	111.3E6	147.0E6	46.829	50.989m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050425\
Data File : PL095516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 14:27
Operator : AR\AJ
Sample : Q1922-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

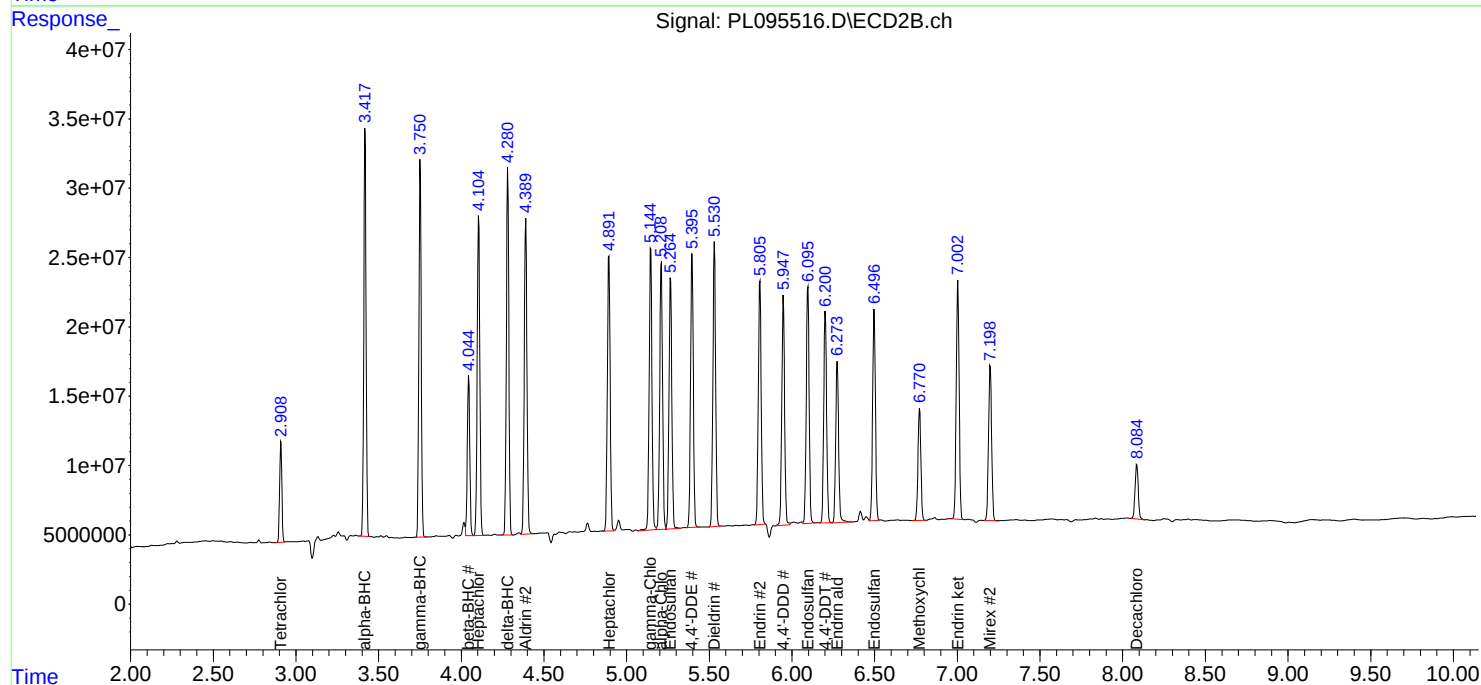
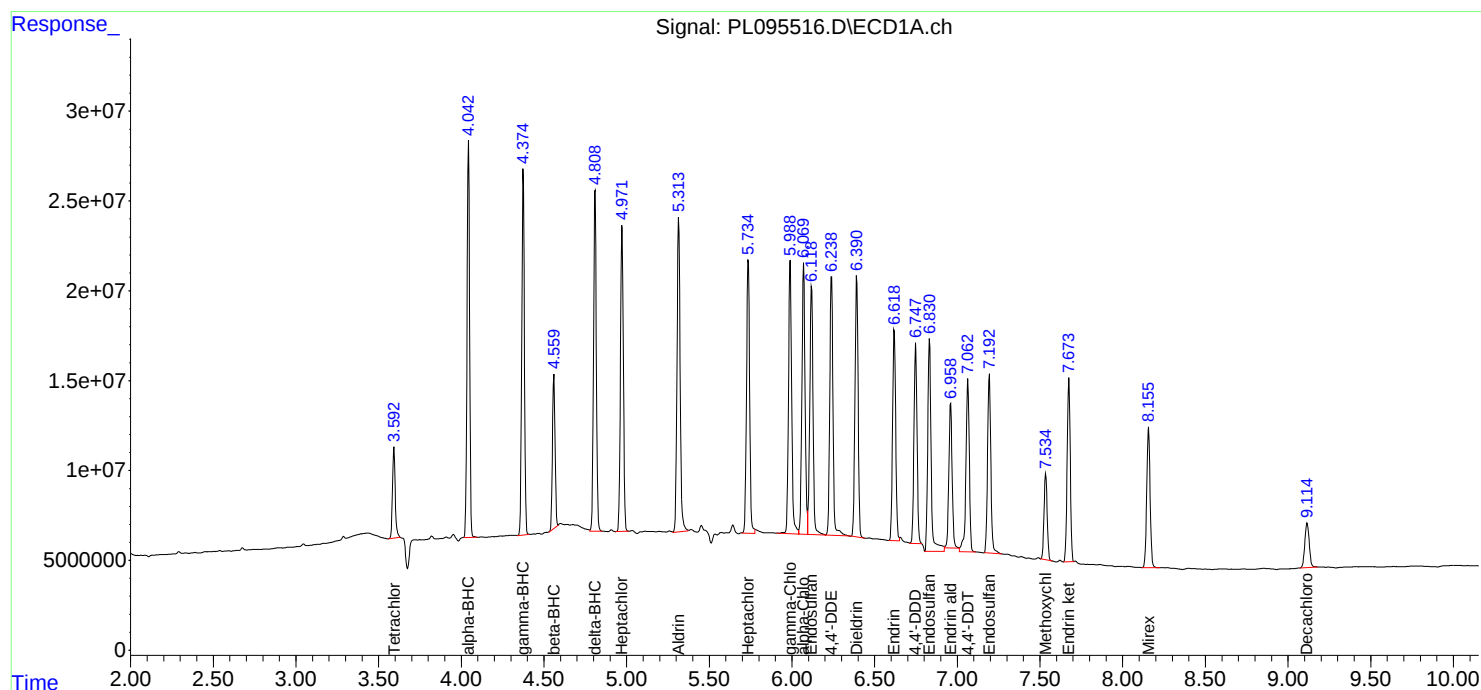
Instrument :
ECD_L
ClientSampleId :
MH-RMSD

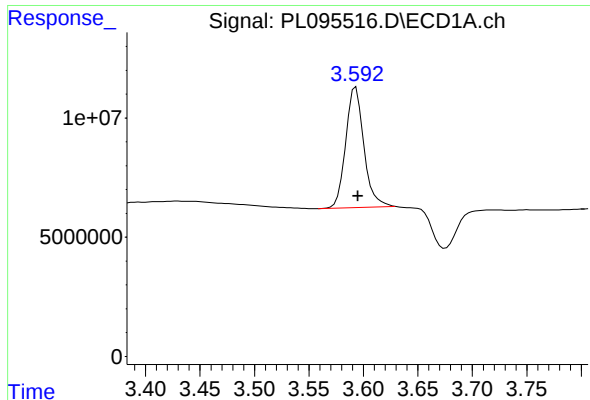
Manual Integrations
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Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:32:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
Quant Title : GC Extractables
QLast Update : Wed Apr 23 16:23:18 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





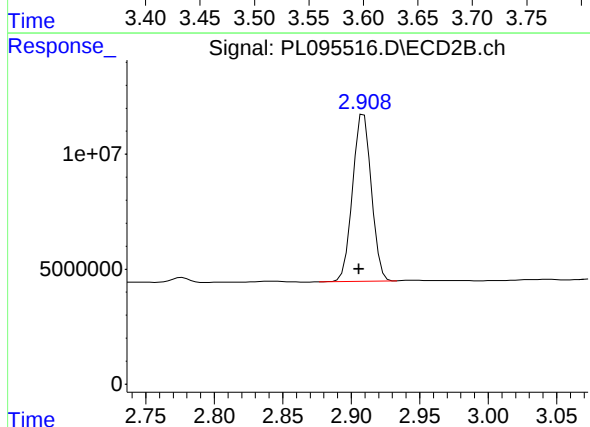
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 58648536
Conc: 17.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

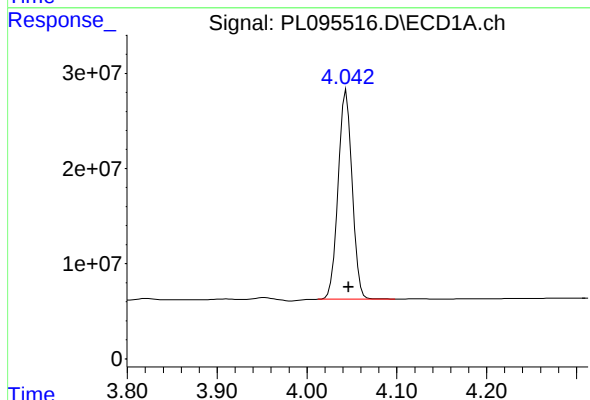
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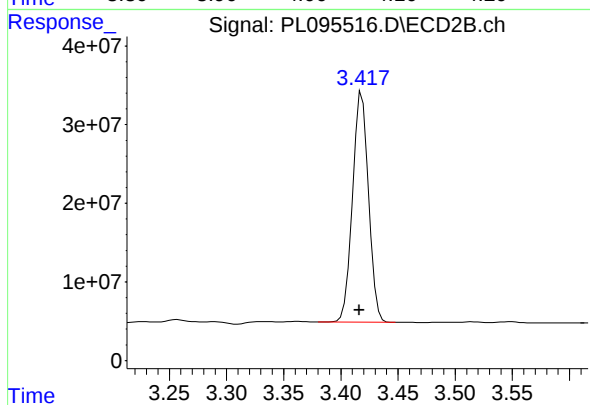
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.004 min
Response: 69484278
Conc: 21.85 ng/ml



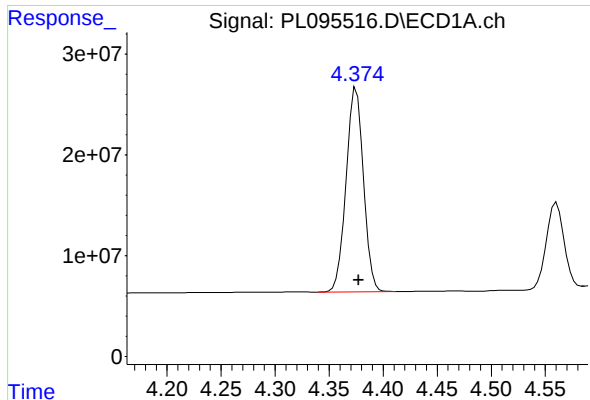
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 237798295
Conc: 48.00 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.002 min
Response: 286382251
Conc: 64.37 ng/ml



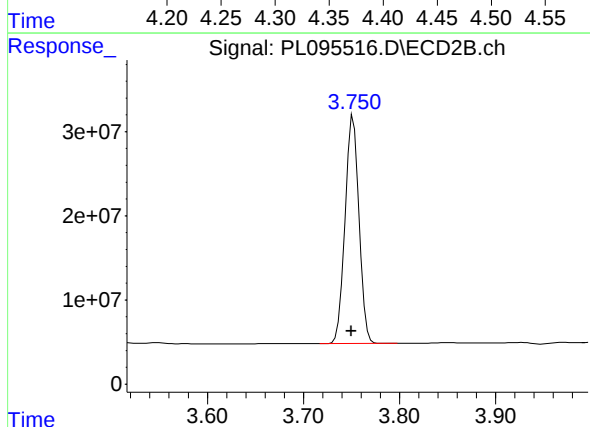
#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: -0.004 min
Response: 226818079
Conc: 47.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

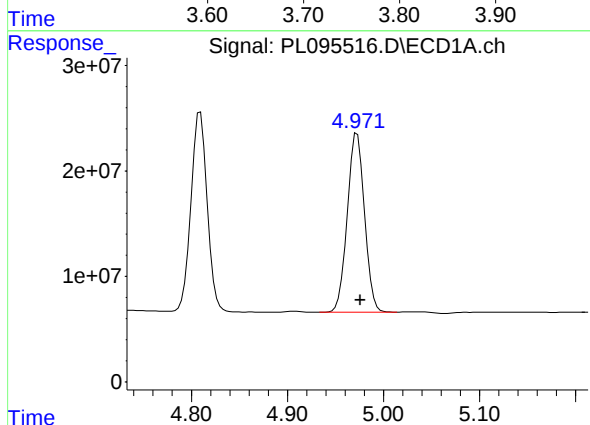
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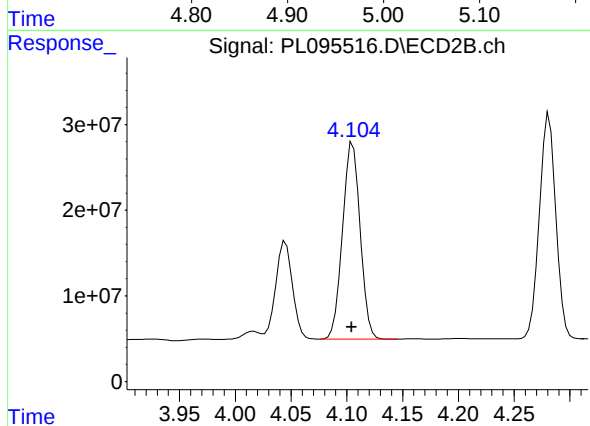
#3 gamma-BHC (Lindane)

R.T.: 3.752 min
Delta R.T.: 0.002 min
Response: 270573856
Conc: 61.52 ng/ml



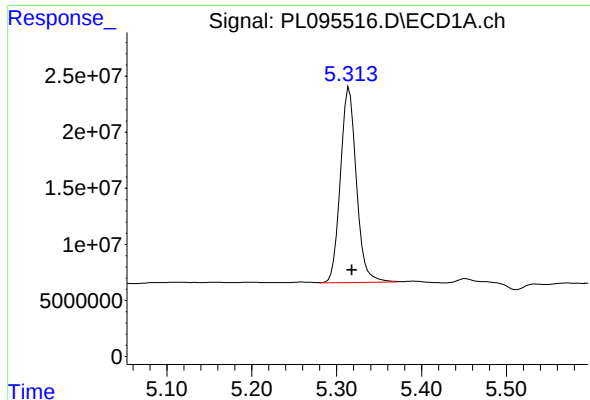
#4 Heptachlor

R.T.: 4.972 min
Delta R.T.: -0.003 min
Response: 210848696
Conc: 46.09 ng/ml



#4 Heptachlor

R.T.: 4.105 min
Delta R.T.: 0.000 min
Response: 252143947
Conc: 57.87 ng/ml



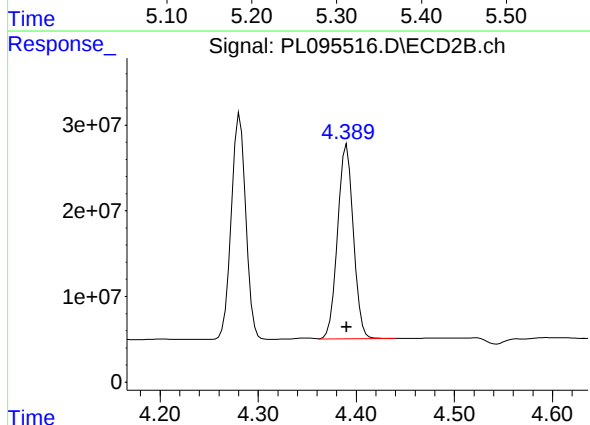
#5 Aldrin

R.T.: 5.313 min
Delta R.T.: -0.005 min
Response: 228878851
Conc: 49.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

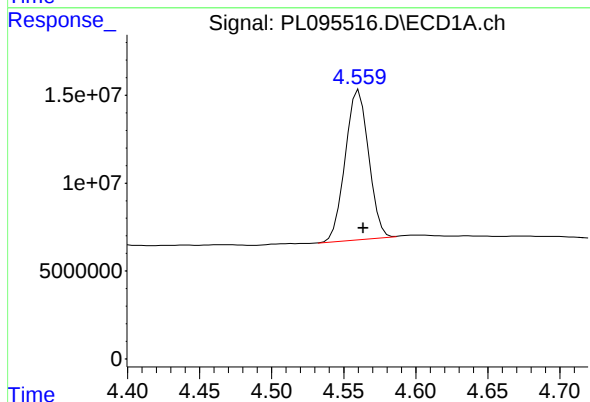
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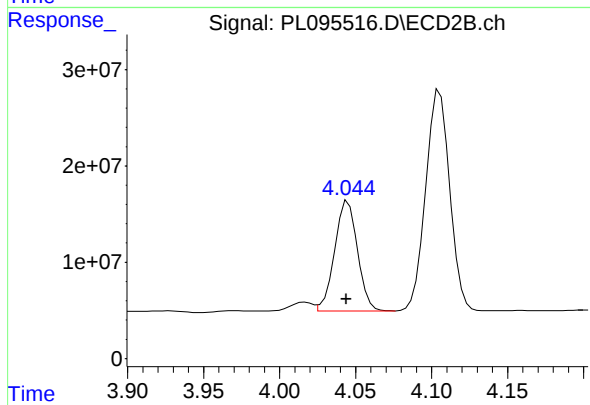
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 254057680
Conc: 61.73 ng/ml



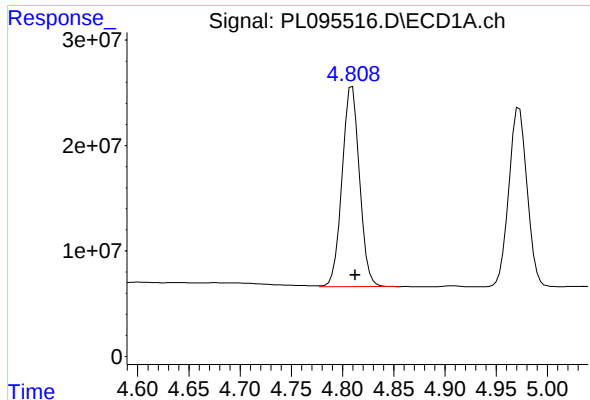
#6 beta-BHC

R.T.: 4.560 min
Delta R.T.: -0.003 min
Response: 95902283
Conc: 46.39 ng/ml



#6 beta-BHC

R.T.: 4.045 min
Delta R.T.: 0.001 min
Response: 119498298
Conc: 57.57 ng/ml



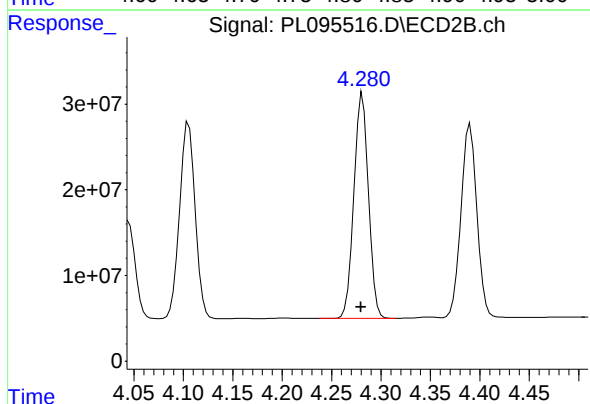
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.004 min
Response: 223825893
Conc: 48.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

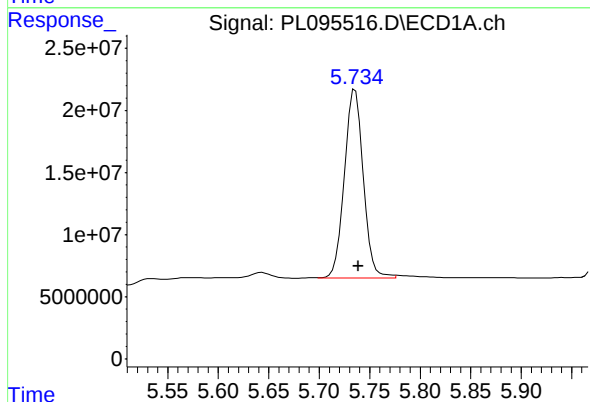
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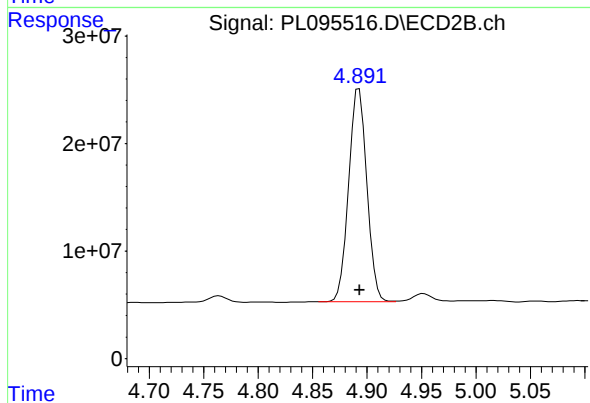
#7 delta-BHC

R.T.: 4.281 min
Delta R.T.: 0.002 min
Response: 270264873
Conc: 61.68 ng/ml



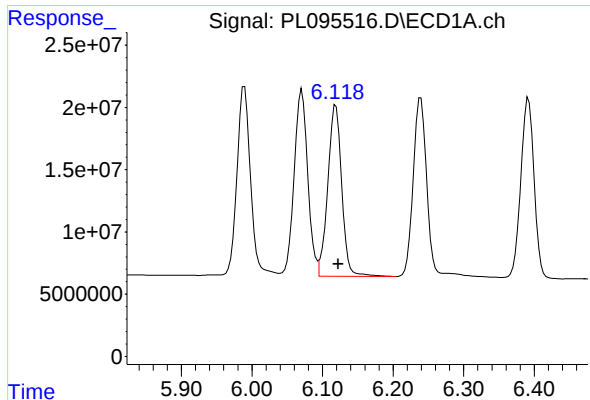
#8 Heptachlor epoxide

R.T.: 5.734 min
Delta R.T.: -0.005 min
Response: 197818170
Conc: 49.39 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 230416411
Conc: 59.65 ng/ml



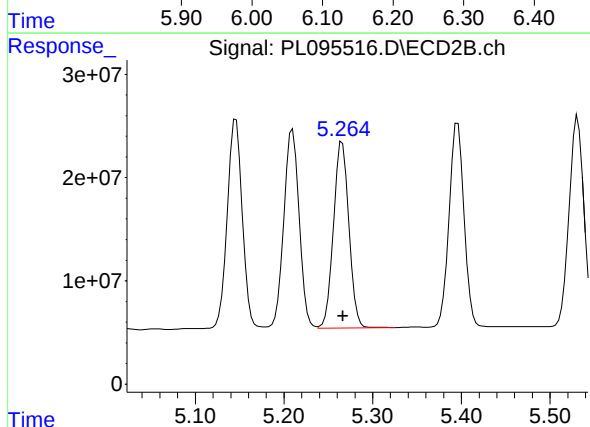
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 189955667
Conc: 50.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

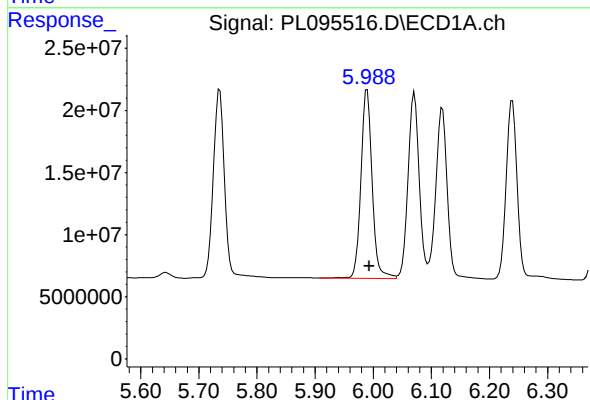
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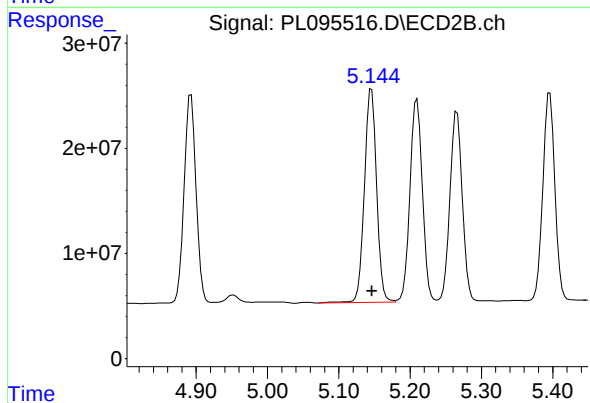
#9 Endosulfan I

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 217929123
Conc: 59.54 ng/ml



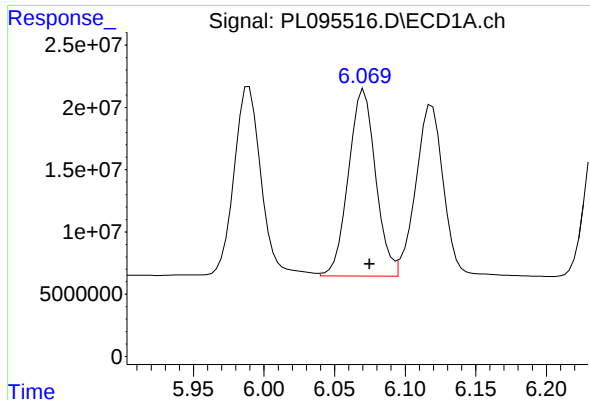
#10 gamma-Chlordane

R.T.: 5.989 min
Delta R.T.: -0.004 min
Response: 204371265
Conc: 50.10 ng/ml



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: 0.000 min
Response: 241289961
Conc: 59.54 ng/ml



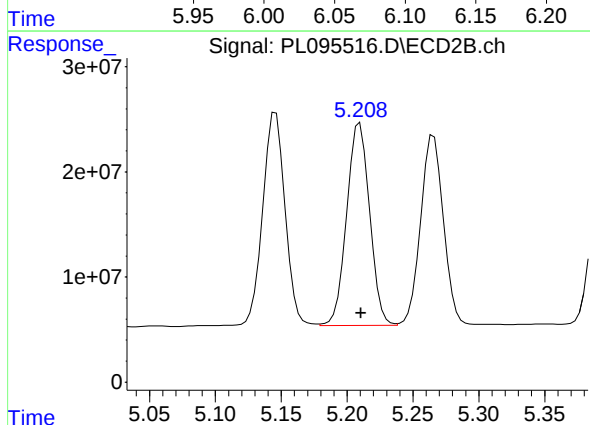
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.004 min
Response: 200975086
Conc: 49.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

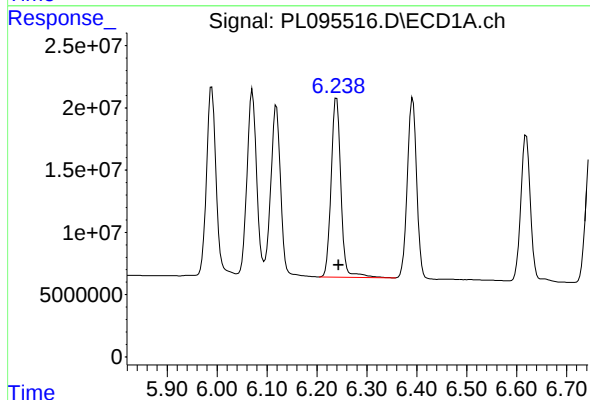
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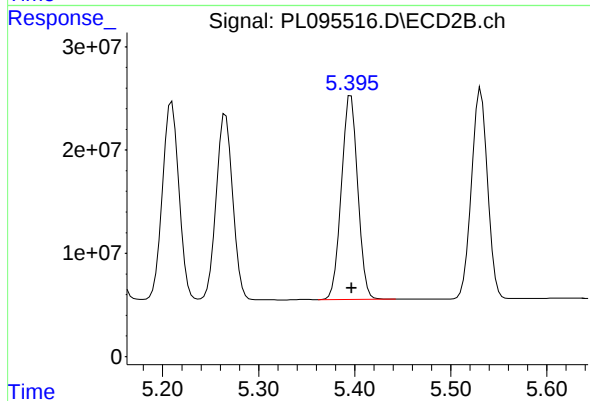
#11 alpha-Chlordane

R.T.: 5.210 min
Delta R.T.: 0.000 min
Response: 233062307
Conc: 58.54 ng/ml



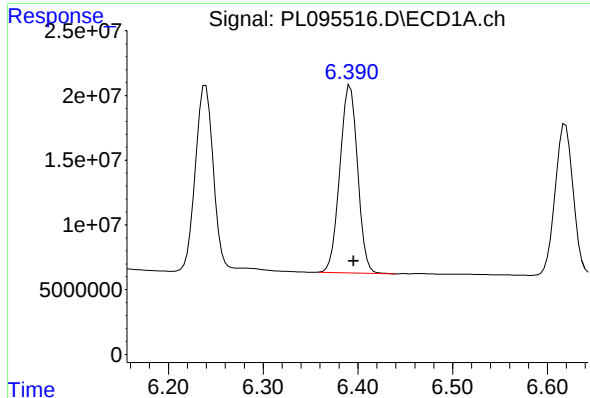
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 196189761
Conc: 50.04 ng/ml



#12 4,4'-DDE

R.T.: 5.396 min
Delta R.T.: 0.000 min
Response: 231002764
Conc: 56.80 ng/ml



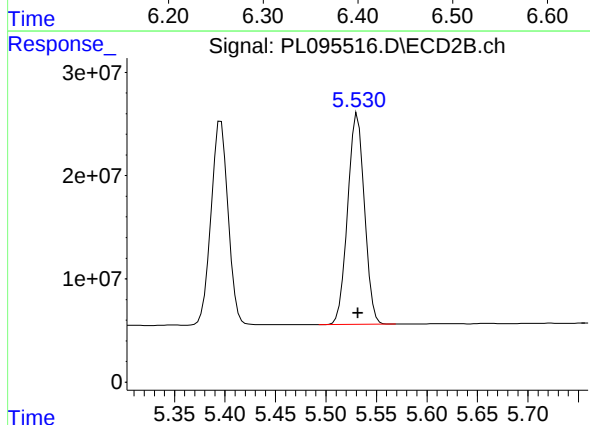
#13 Dieldrin

R.T.: 6.392 min
Delta R.T.: -0.004 min
Response: 188030364
Conc: 48.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

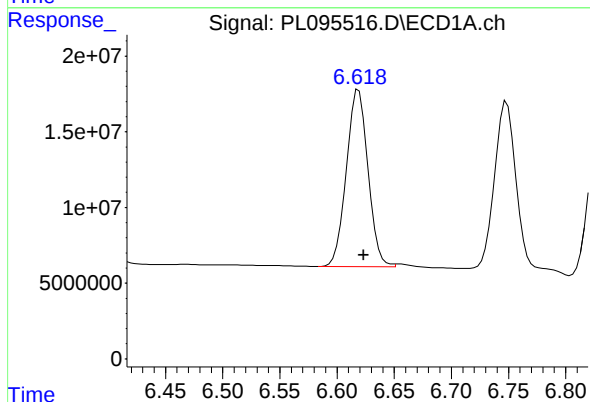
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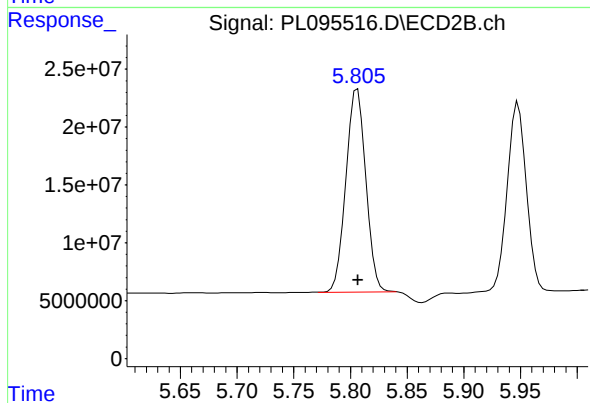
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: 0.000 min
Response: 236745905
Conc: 58.21 ng/ml



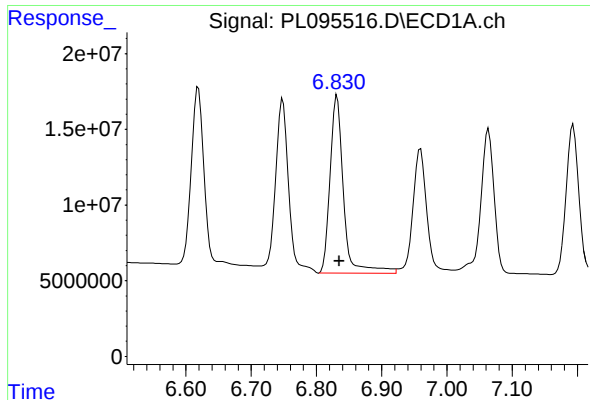
#14 Endrin

R.T.: 6.618 min
Delta R.T.: -0.006 min
Response: 155132505
Conc: 48.71 ng/ml m



#14 Endrin

R.T.: 5.805 min
Delta R.T.: -0.002 min
Response: 214398840
Conc: 58.89 ng/ml m



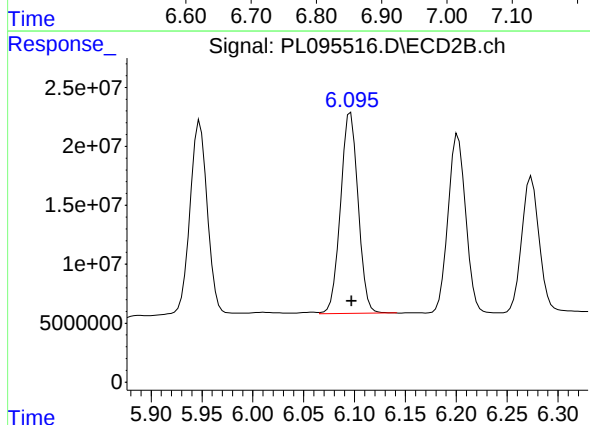
#15 Endosulfan II

R.T.: 6.832 min
Delta R.T.: -0.003 min
Response: 168264694
Conc: 52.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

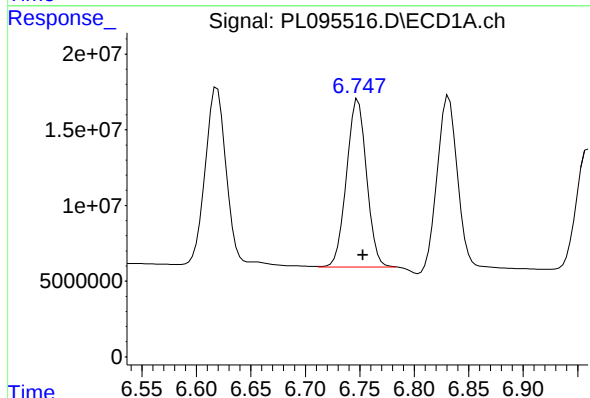
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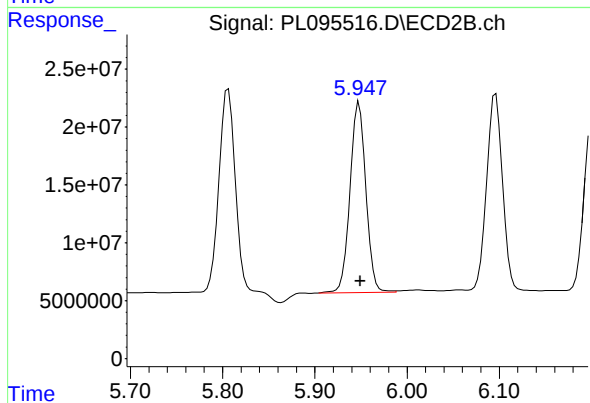
#15 Endosulfan II

R.T.: 6.096 min
Delta R.T.: -0.001 min
Response: 204986102
Conc: 57.08 ng/ml



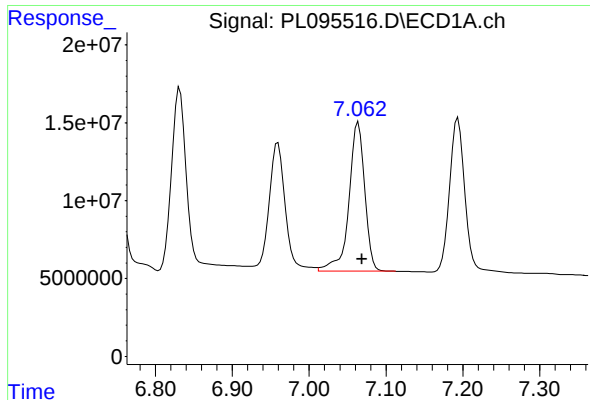
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: -0.006 min
Response: 142062500
Conc: 50.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.948 min
Delta R.T.: -0.001 min
Response: 196283100
Conc: 60.08 ng/ml



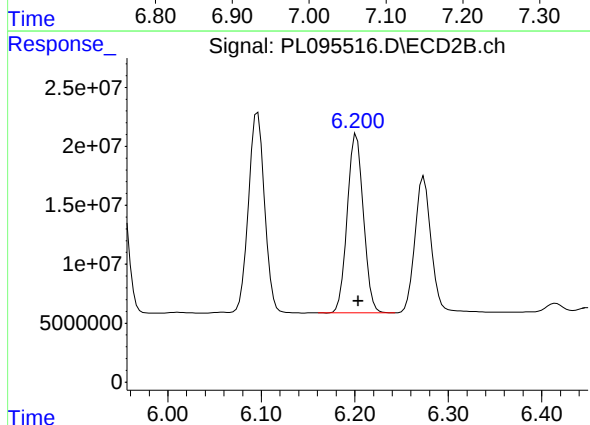
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 135765284
Conc: 47.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

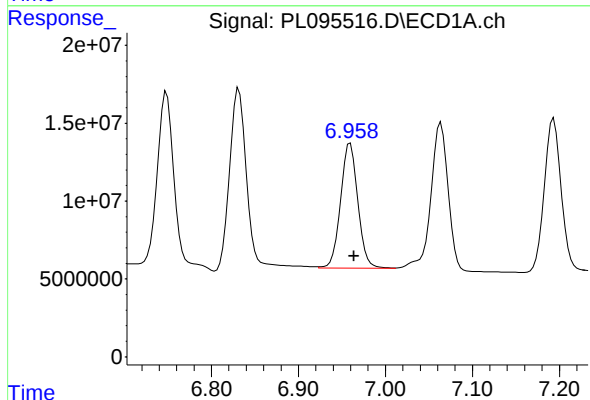
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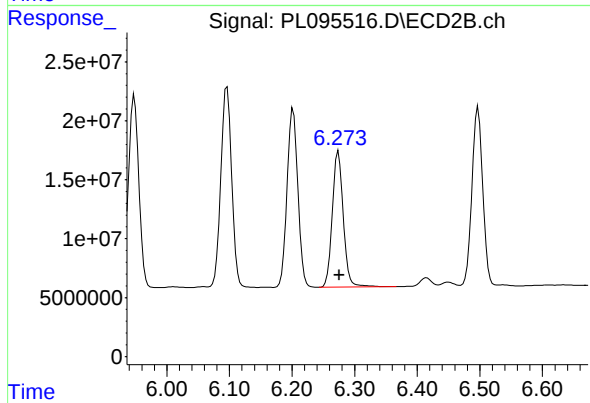
#17 4,4'-DDT

R.T.: 6.202 min
Delta R.T.: -0.002 min
Response: 182287814
Conc: 53.05 ng/ml



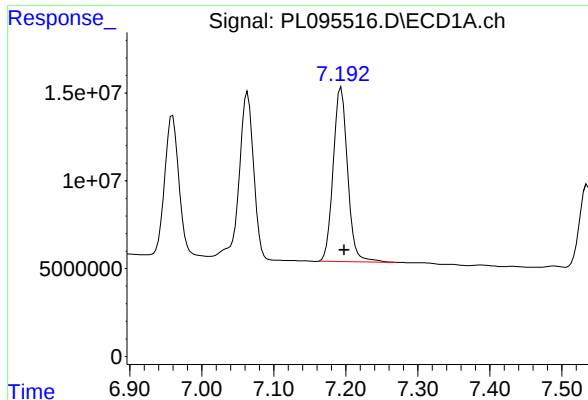
#18 Endrin aldehyde

R.T.: 6.958 min
Delta R.T.: -0.006 min
Response: 111311105
Conc: 47.96 ng/ml m



#18 Endrin aldehyde

R.T.: 6.274 min
Delta R.T.: -0.002 min
Response: 140920018
Conc: 53.93 ng/ml



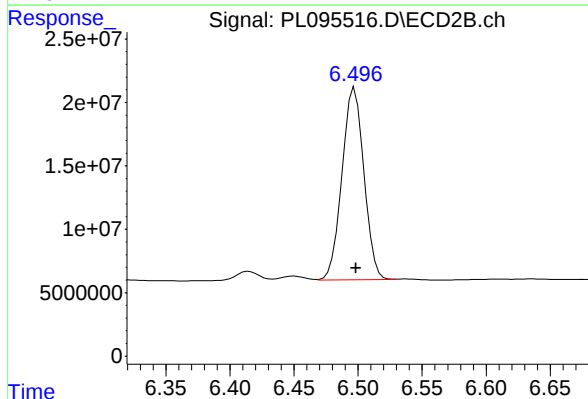
#19 Endosulfan Sulfate

R.T.: 7.193 min
Delta R.T.: -0.005 min
Response: 136566797
Conc: 48.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

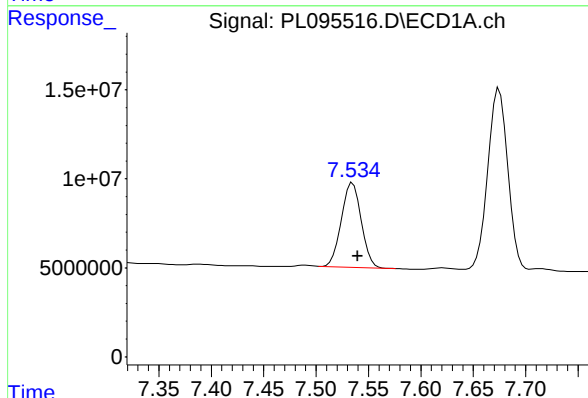
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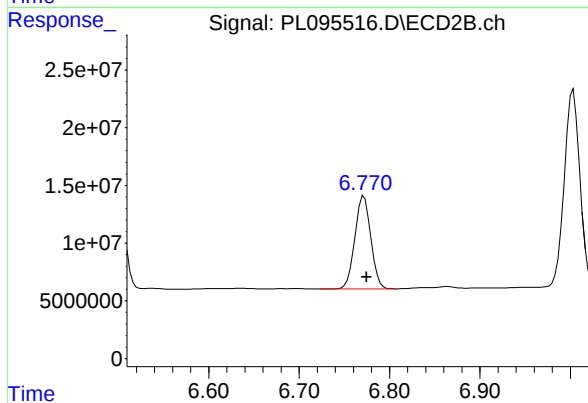
#19 Endosulfan Sulfate

R.T.: 6.496 min
Delta R.T.: -0.002 min
Response: 180007313
Conc: 54.25 ng/ml m



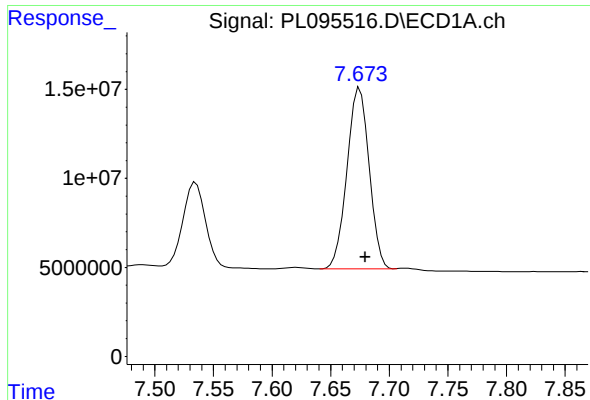
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 62605988
Conc: 44.87 ng/ml



#20 Methoxychlor

R.T.: 6.772 min
Delta R.T.: -0.003 min
Response: 98607897
Conc: 51.70 ng/ml



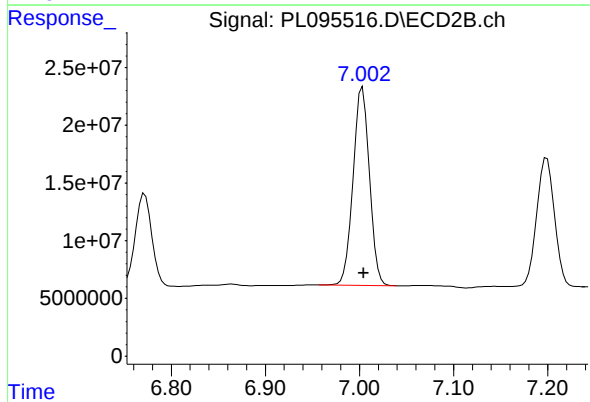
#21 Endrin ketone

R.T.: 7.675 min
Delta R.T.: -0.004 min
Response: 133962886
Conc: 46.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

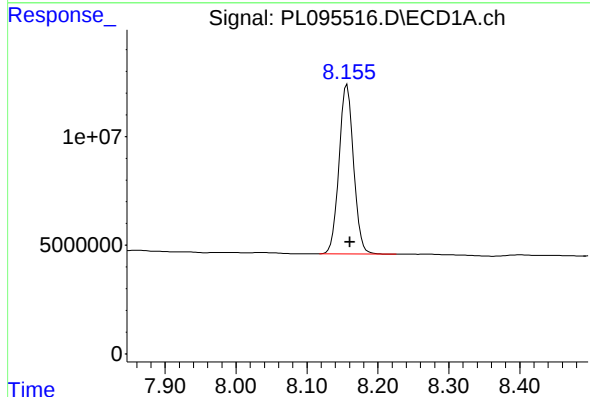
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



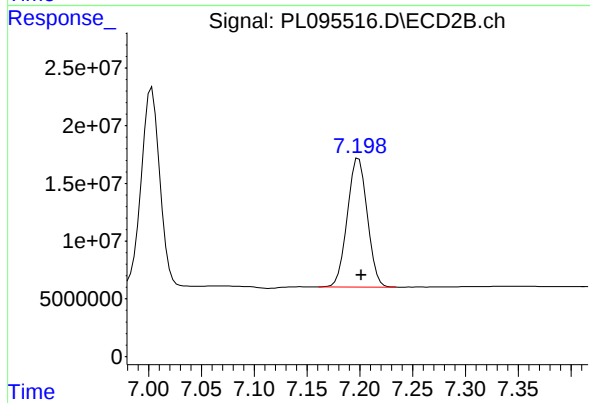
#21 Endrin ketone

R.T.: 7.003 min
Delta R.T.: -0.001 min
Response: 207478889
Conc: 58.92 ng/ml



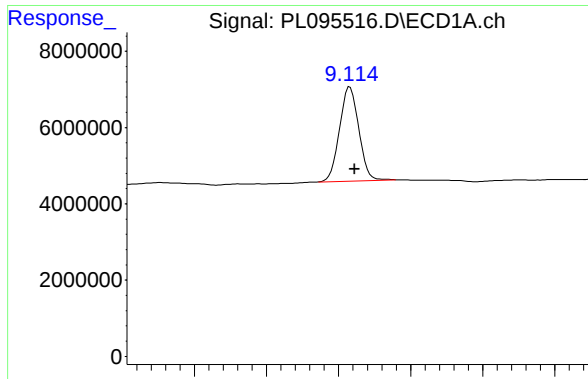
#22 Mirex

R.T.: 8.157 min
Delta R.T.: -0.004 min
Response: 111267850
Conc: 46.83 ng/ml



#22 Mirex

R.T.: 7.198 min
Delta R.T.: -0.004 min
Response: 146971565
Conc: 50.99 ng/ml m



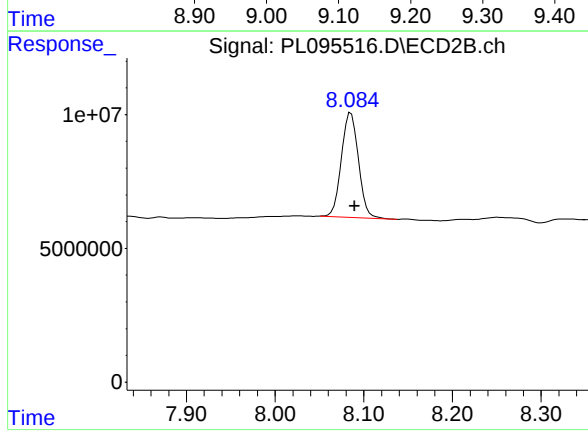
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: -0.007 min
Response: 45843920
Conc: 16.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
MH-RMSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



#28 Decachlorobiphenyl

R.T.: 8.085 min
Delta R.T.: -0.004 min
Response: 52281866
Conc: 17.67 ng/ml