

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
 Data File : PL095574.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 06 May 2025 18:17
 Operator : AR\AJ
 Sample : Q1956-04MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SB2-4-5MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 05/07/2025
 Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 07 01:43:37 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	2.912	60021365	73407979	18.385	23.086 #
28) SA Decachlor...	9.119	8.091	40468734	49807630	14.605	16.831
Target Compounds						
2) A alpha-BHC	4.045	3.421	242.0E6	291.9E6	48.857	65.614 #
3) MA gamma-BHC...	4.374	3.755	230.6E6	276.0E6	48.708m	62.757 #
4) MA Heptachlor	4.974	4.109	220.2E6	261.4E6	48.137	59.994
5) MB Aldrin	5.316	4.394	234.4E6	259.1E6	51.031	62.947
6) B beta-BHC	4.561	4.049	98179270	122.0E6	47.487	58.772
7) B delta-BHC	4.808	4.285	228.2E6	277.8E6	49.078m	63.399 #
8) B Heptachlo...	5.737	4.897	204.9E6	234.9E6	51.167	60.805
9) A Endosulfan I	6.120	5.270	191.4E6	222.4E6	50.401	60.753
10) B gamma-Chl...	5.991	5.150	211.1E6	250.1E6	51.759	61.703
11) B alpha-Chl...	6.072	5.214	205.7E6	239.6E6	50.593	60.197
12) B 4,4'-DDE	6.240	5.400	196.7E6	236.0E6	50.177	58.039
13) MA Dieldrin	6.393	5.536	190.1E6	245.9E6	49.304	60.455
14) MA Endrin	6.619	5.809	158.0E6	220.2E6	49.602m	60.471m
15) B Endosulfa...	6.831	6.101	152.7E6	209.8E6	47.845m	58.413
16) A 4,4'-DDD	6.748	5.952	144.9E6	199.5E6	51.179m	61.068
17) MA 4,4'-DDT	7.065	6.206	141.8E6	202.1E6	49.789	58.816
18) B Endrin al...	6.959	6.279	116.7E6	152.1E6	50.270m	58.206
19) B Endosulfa...	7.195	6.500	137.7E6	179.7E6	49.130	54.147m
20) A Methoxychlor	7.536	6.776	65210011	105.7E6	46.741	55.437
21) B Endrin ke...	7.676	7.008	134.8E6	212.1E6	47.300	60.233 #
22) Mirex	8.158	7.203	112.7E6	157.0E6	47.423	54.456m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050725\
Data File : PL095574.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 06 May 2025 18:17
Operator : AR\AJ
Sample : Q1956-04MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

SB2-4-5MSD

Manual Integrations

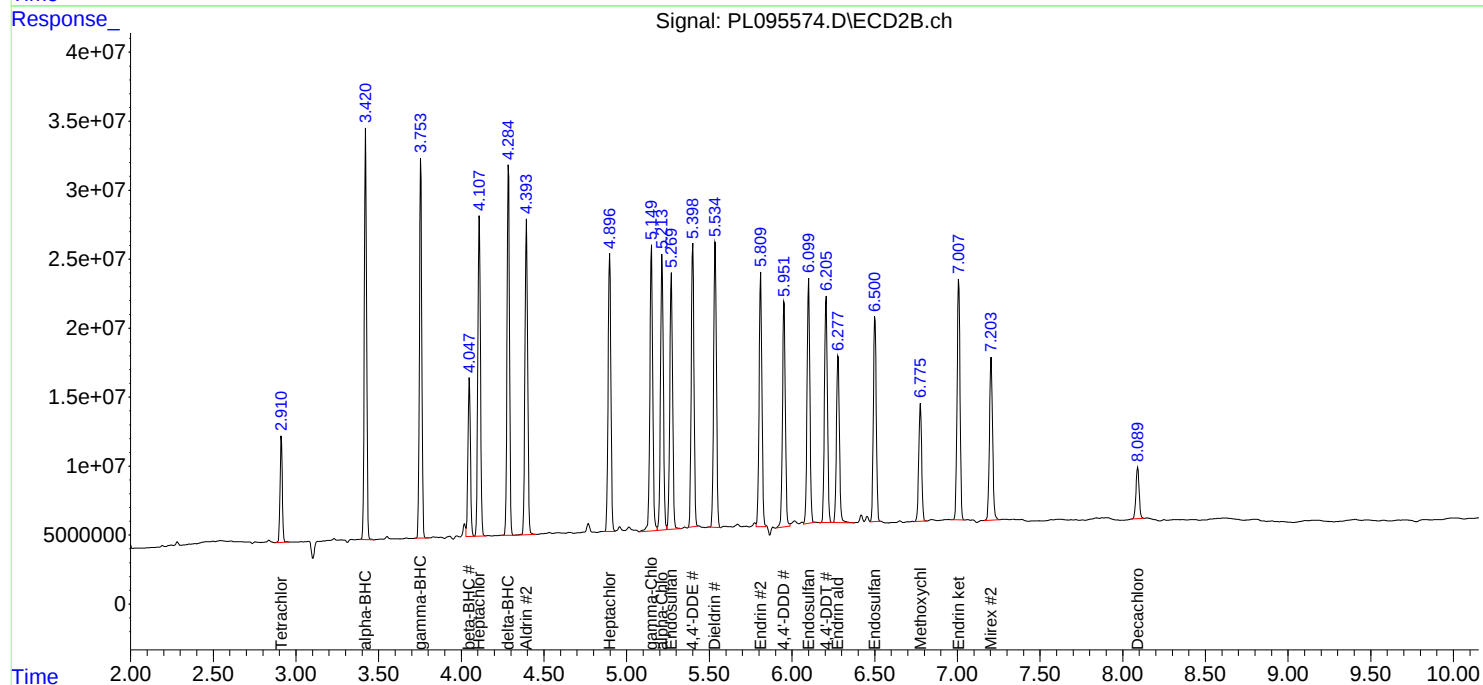
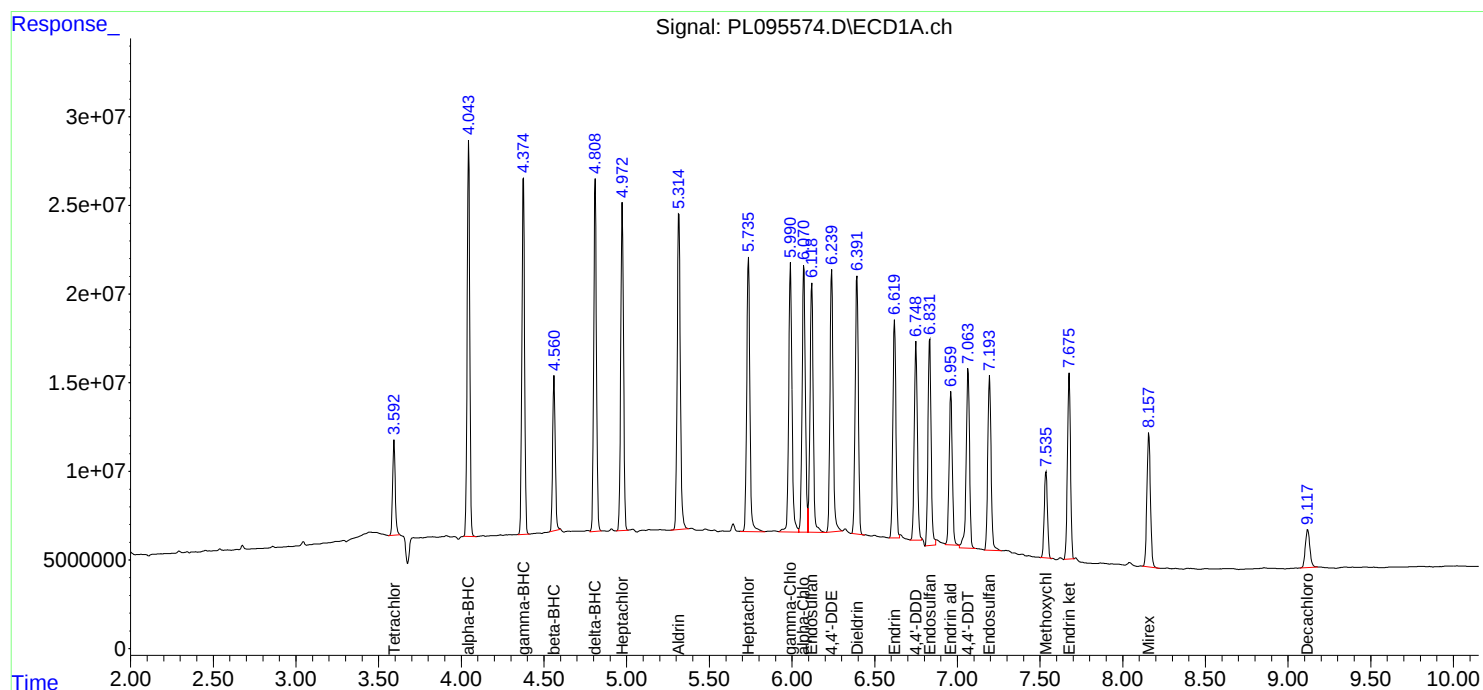
APPROVED

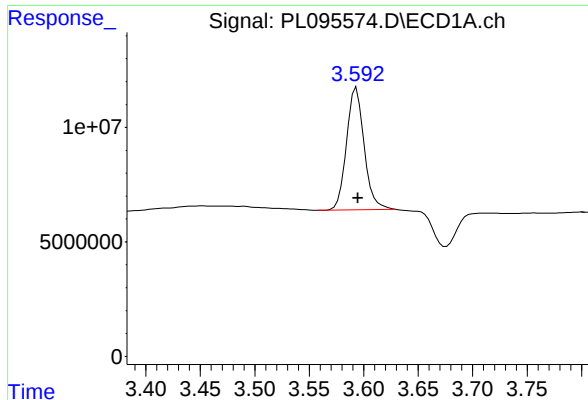
Reviewed By :Yogesh Patel 05/07/2025

Supervised By :mohammad ahmed 05/08/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 07 01:43:37 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





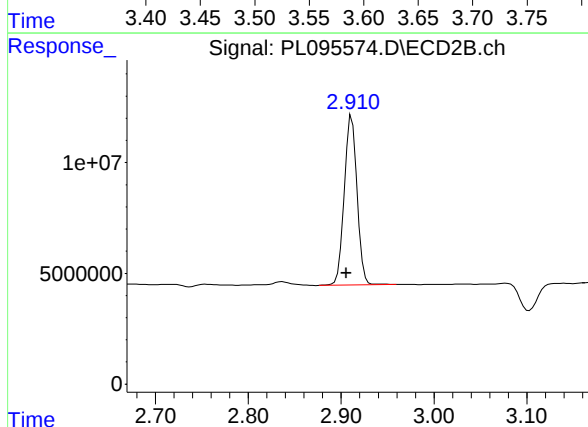
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 60021365
Conc: 18.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

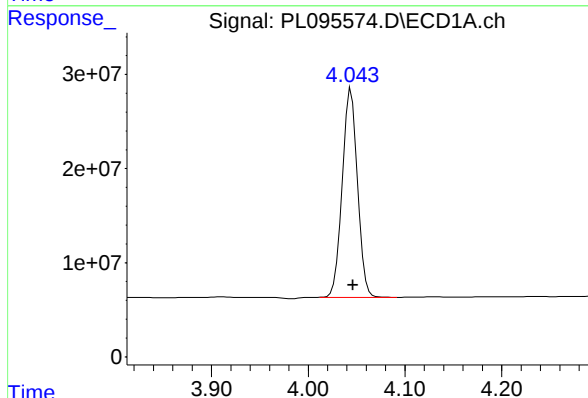
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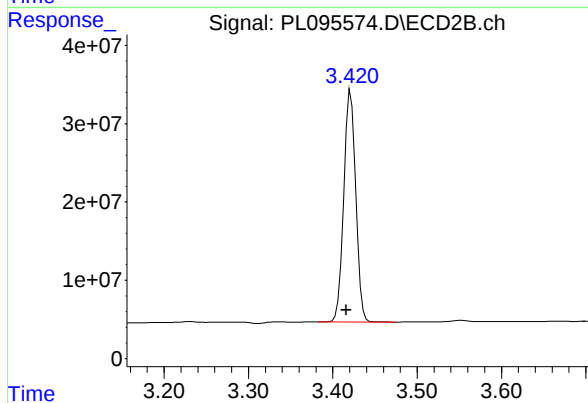
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 73407979
Conc: 23.09 ng/ml



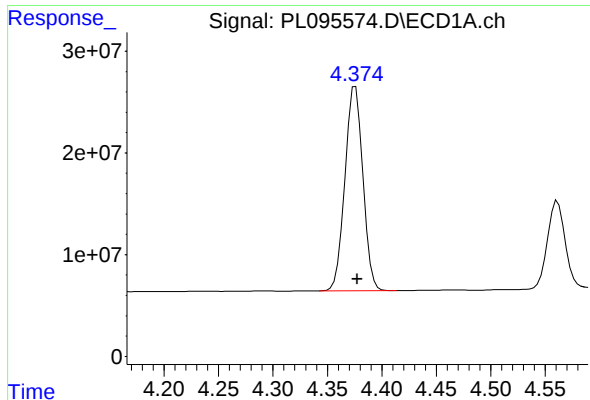
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: -0.002 min
Response: 242025991
Conc: 48.86 ng/ml



#2 alpha-BHC

R.T.: 3.421 min
Delta R.T.: 0.005 min
Response: 291897827
Conc: 65.61 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.374 min
Delta R.T.: -0.003 min
Response: 230581981
Conc: 48.71 ng/ml

Instrument :

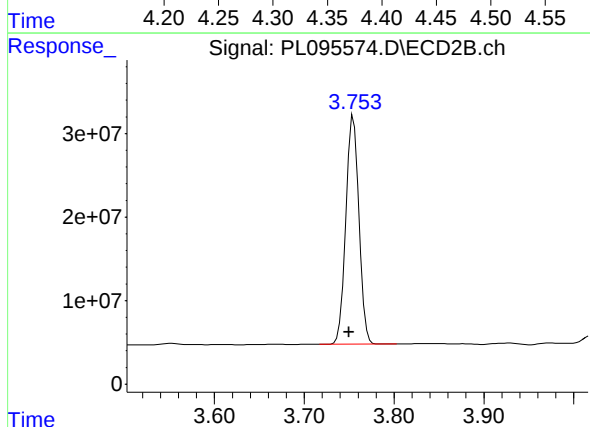
ECD_L

ClientSampleId :

SB2-4-5MSD

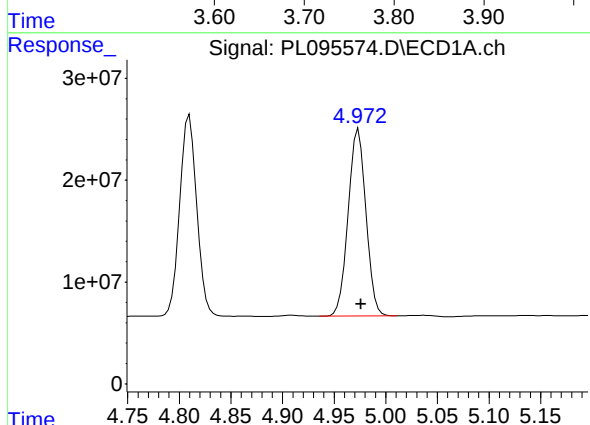
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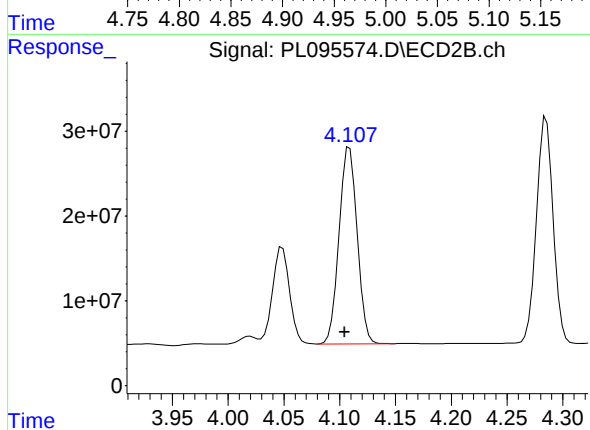
#3 gamma-BHC (Lindane)

R.T.: 3.755 min
Delta R.T.: 0.005 min
Response: 276017557
Conc: 62.76 ng/ml



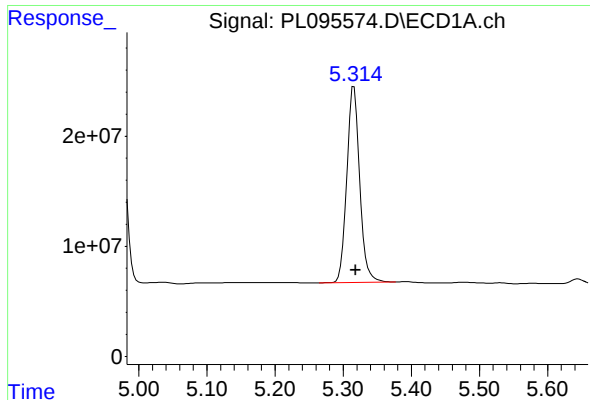
#4 Heptachlor

R.T.: 4.974 min
Delta R.T.: -0.002 min
Response: 220203059
Conc: 48.14 ng/ml



#4 Heptachlor

R.T.: 4.109 min
Delta R.T.: 0.004 min
Response: 261377895
Conc: 59.99 ng/ml



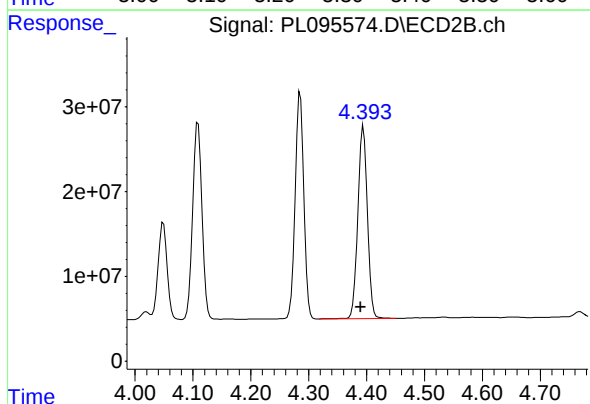
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 234387772
Conc: 51.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

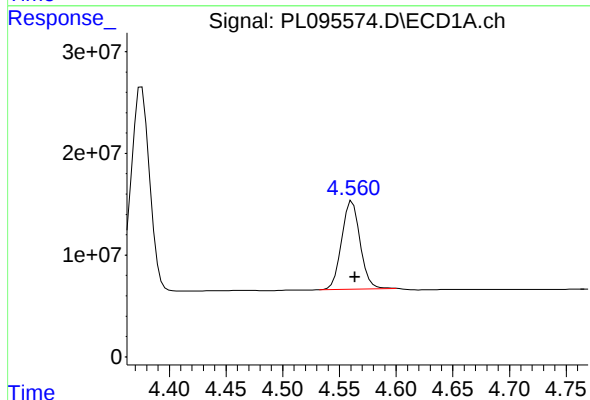
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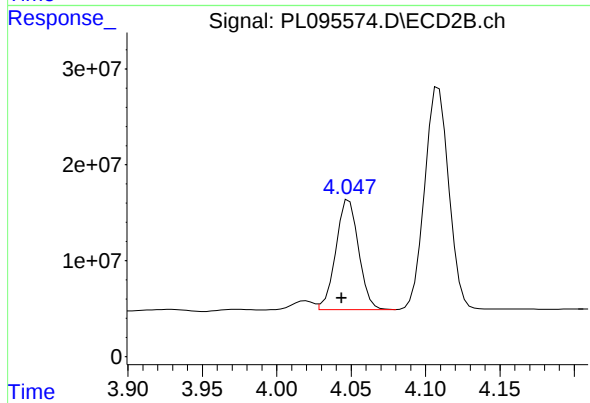
#5 Aldrin

R.T.: 4.394 min
Delta R.T.: 0.004 min
Response: 259068441
Conc: 62.95 ng/ml



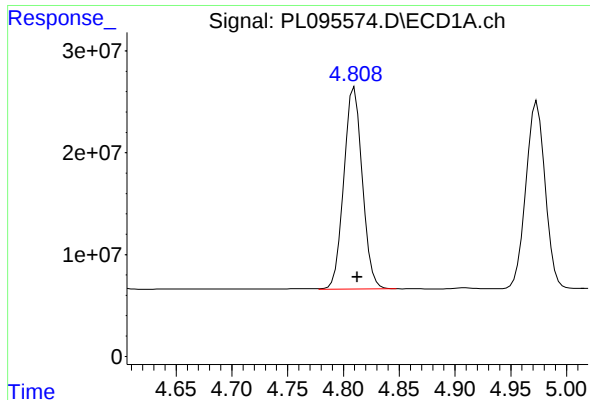
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.002 min
Response: 98179270
Conc: 47.49 ng/ml



#6 beta-BHC

R.T.: 4.049 min
Delta R.T.: 0.005 min
Response: 122003593
Conc: 58.77 ng/ml



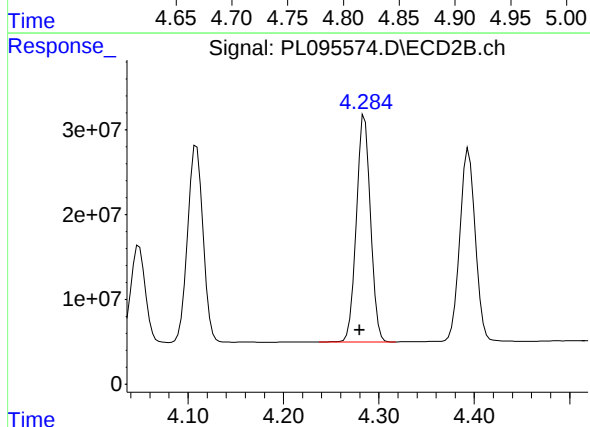
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.004 min
Response: 228246904
Conc: 49.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

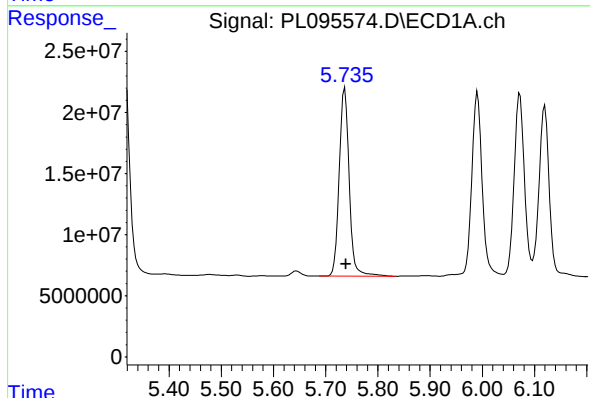
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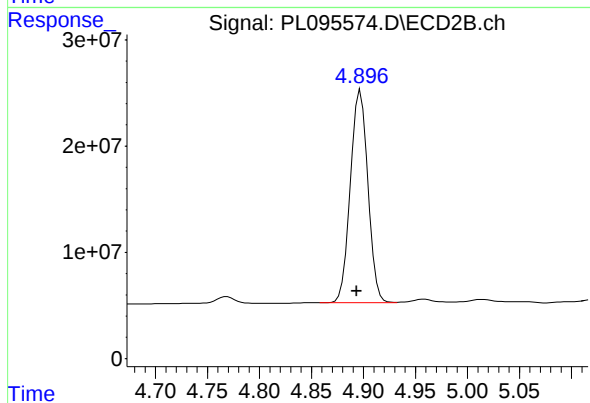
#7 delta-BHC

R.T.: 4.285 min
Delta R.T.: 0.005 min
Response: 277813438
Conc: 63.40 ng/ml



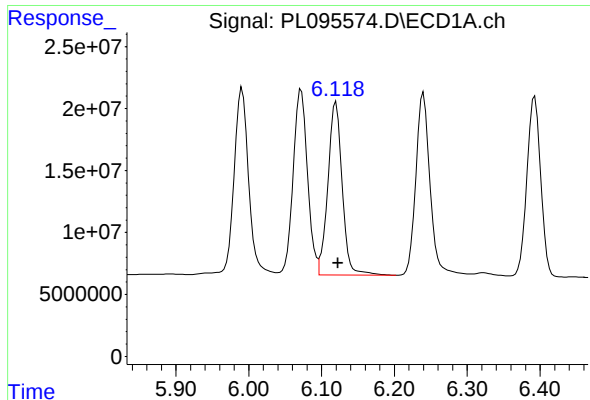
#8 Heptachlor epoxide

R.T.: 5.737 min
Delta R.T.: -0.002 min
Response: 204932939
Conc: 51.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.897 min
Delta R.T.: 0.004 min
Response: 234868774
Conc: 60.80 ng/ml



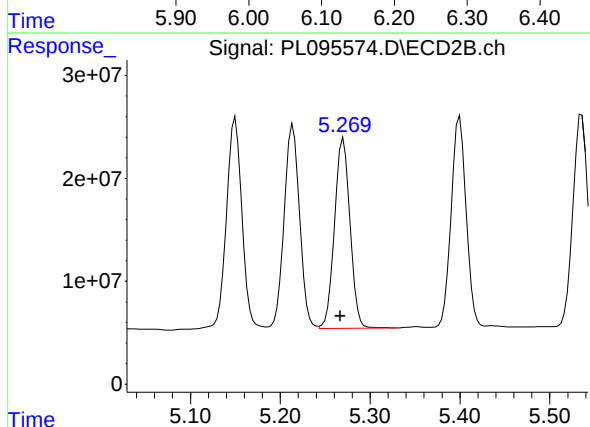
#9 Endosulfan I

R.T.: 6.120 min
Delta R.T.: -0.003 min
Response: 191398606
Conc: 50.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

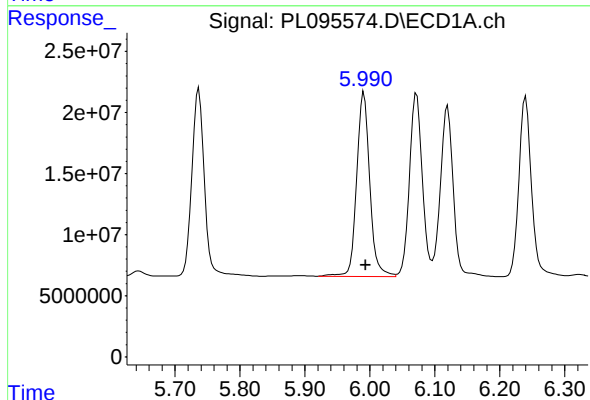
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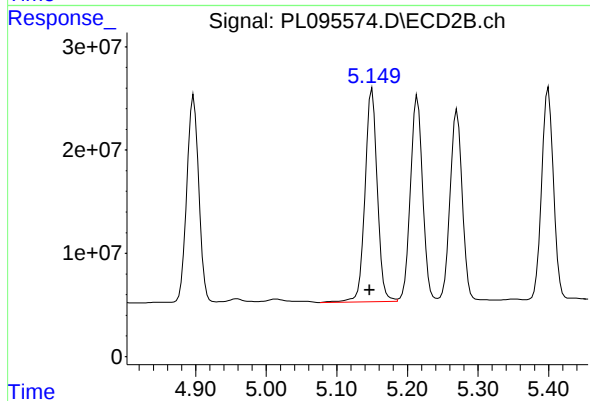
#9 Endosulfan I

R.T.: 5.270 min
Delta R.T.: 0.004 min
Response: 222382104
Conc: 60.75 ng/ml



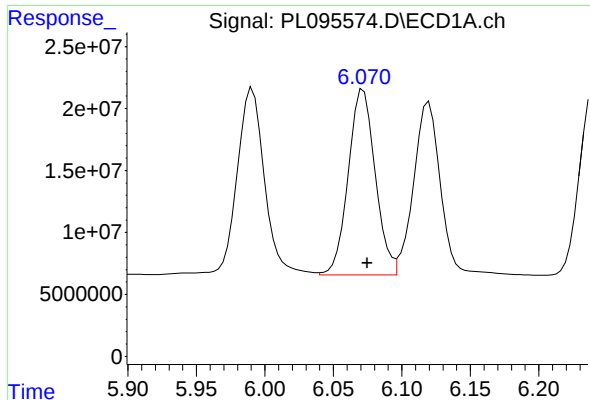
#10 gamma-Chlordane

R.T.: 5.991 min
Delta R.T.: -0.003 min
Response: 211143268
Conc: 51.76 ng/ml



#10 gamma-Chlordane

R.T.: 5.150 min
Delta R.T.: 0.003 min
Response: 250060443
Conc: 61.70 ng/ml



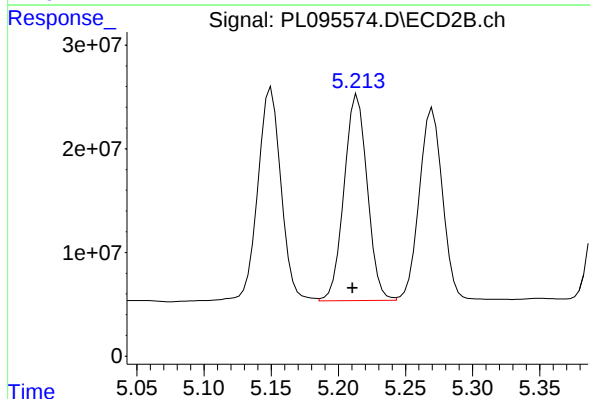
#11 alpha-Chlordane

R.T.: 6.072 min
Delta R.T.: -0.003 min
Response: 205717042
Conc: 50.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

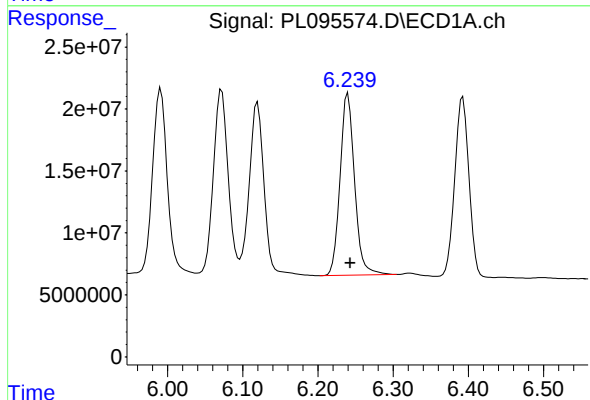
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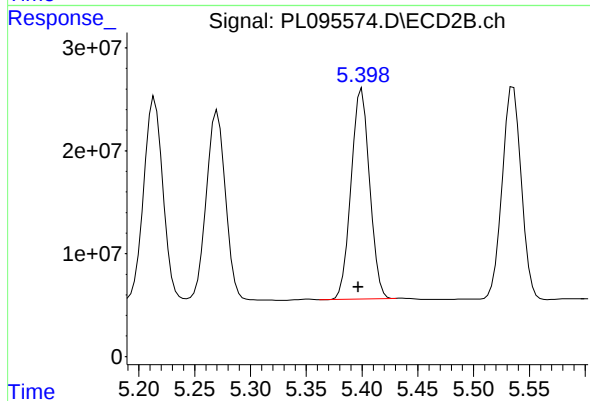
#11 alpha-Chlordane

R.T.: 5.214 min
Delta R.T.: 0.004 min
Response: 239647948
Conc: 60.20 ng/ml



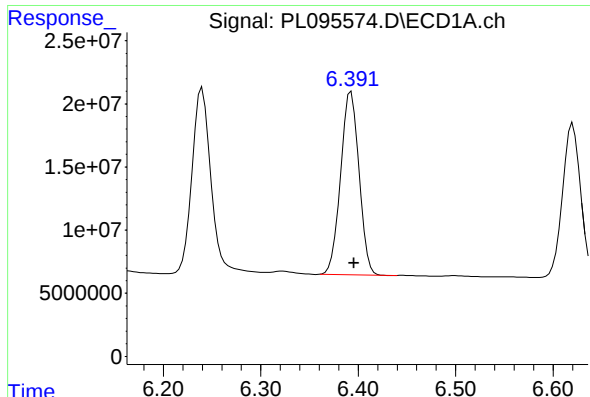
#12 4,4'-DDE

R.T.: 6.240 min
Delta R.T.: -0.003 min
Response: 196720025
Conc: 50.18 ng/ml



#12 4,4'-DDE

R.T.: 5.400 min
Delta R.T.: 0.003 min
Response: 236043278
Conc: 58.04 ng/ml



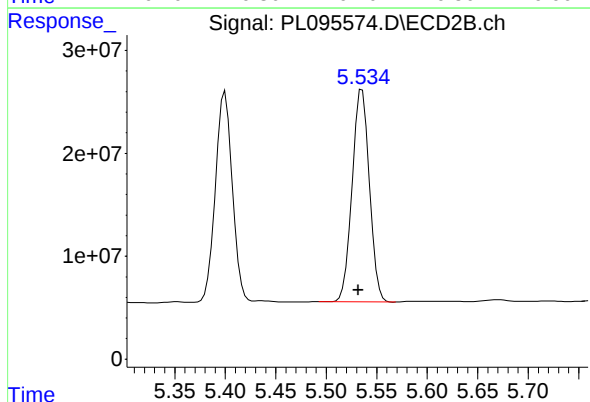
#13 Dieldrin

R.T.: 6.393 min
Delta R.T.: -0.003 min
Response: 190059583
Conc: 49.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

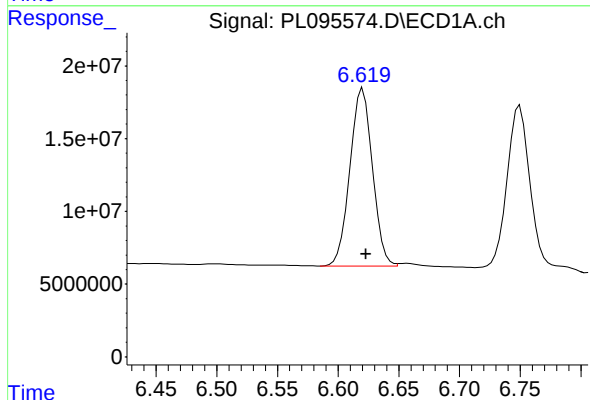
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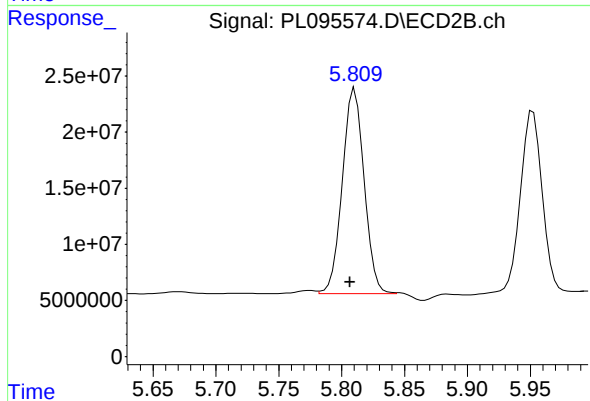
#13 Dieldrin

R.T.: 5.536 min
Delta R.T.: 0.004 min
Response: 245875334
Conc: 60.45 ng/ml



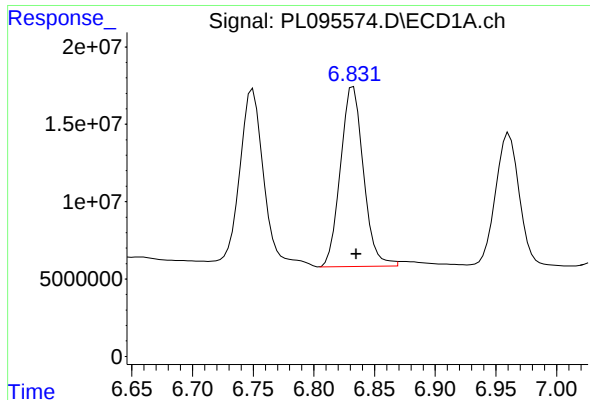
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 157971135
Conc: 49.60 ng/ml m



#14 Endrin

R.T.: 5.809 min
Delta R.T.: 0.002 min
Response: 220157829
Conc: 60.47 ng/ml m



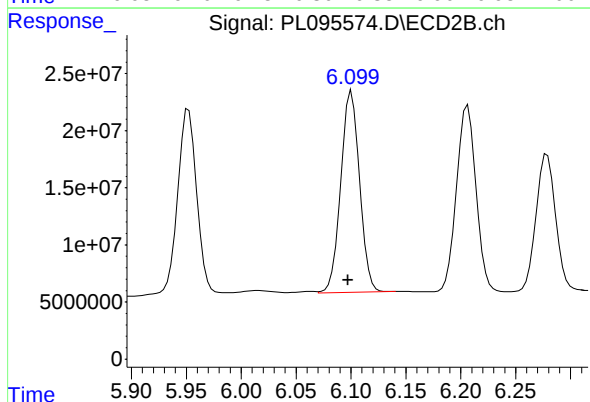
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 152728516
Conc: 47.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

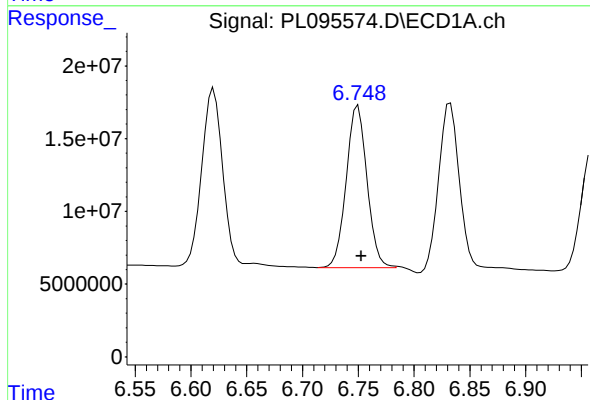
Manual Integrations
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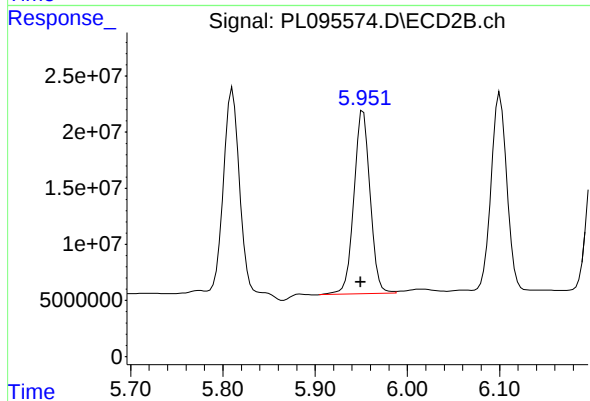
#15 Endosulfan II

R.T.: 6.101 min
Delta R.T.: 0.003 min
Response: 209766723
Conc: 58.41 ng/ml



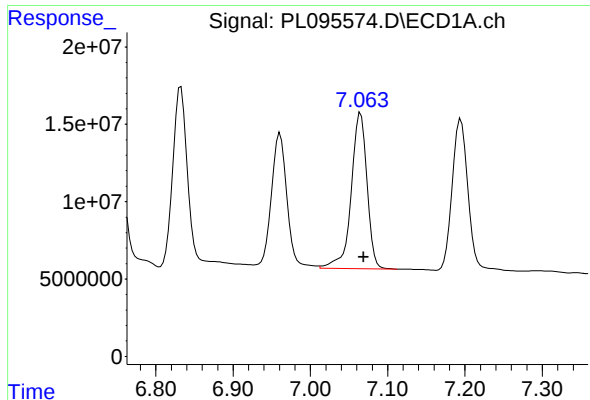
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: -0.004 min
Response: 144886181
Conc: 51.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.952 min
Delta R.T.: 0.003 min
Response: 199495965
Conc: 61.07 ng/ml



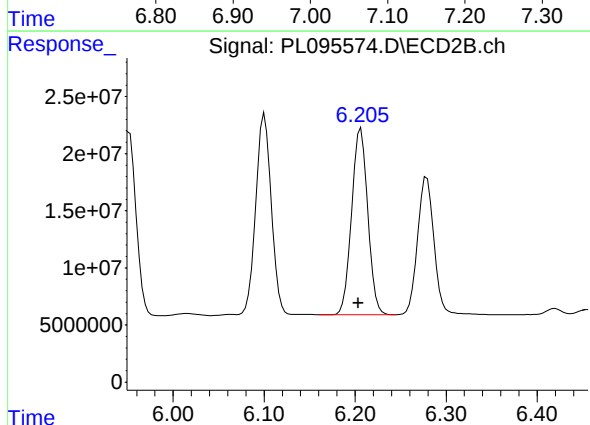
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: -0.004 min
Response: 141827045
Conc: 49.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

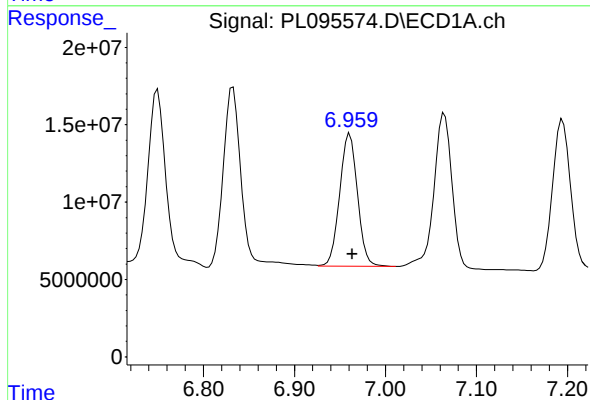
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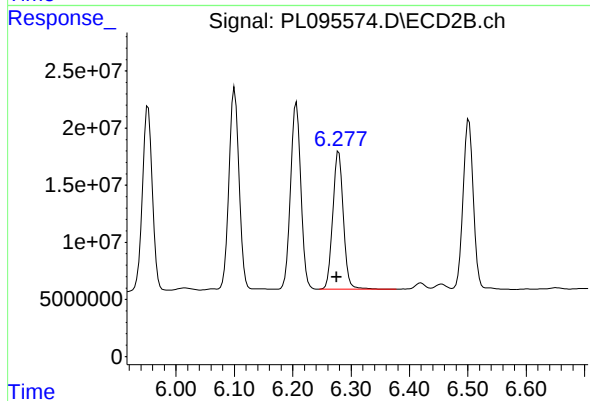
#17 4,4'-DDT

R.T.: 6.206 min
Delta R.T.: 0.003 min
Response: 202103839
Conc: 58.82 ng/ml



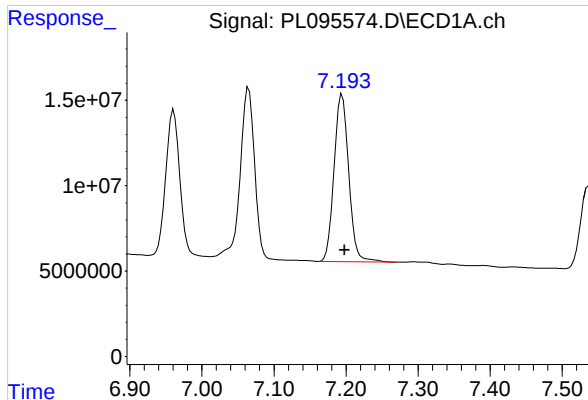
#18 Endrin aldehyde

R.T.: 6.959 min
Delta R.T.: -0.004 min
Response: 116665962
Conc: 50.27 ng/ml m



#18 Endrin aldehyde

R.T.: 6.279 min
Delta R.T.: 0.003 min
Response: 152100190
Conc: 58.21 ng/ml



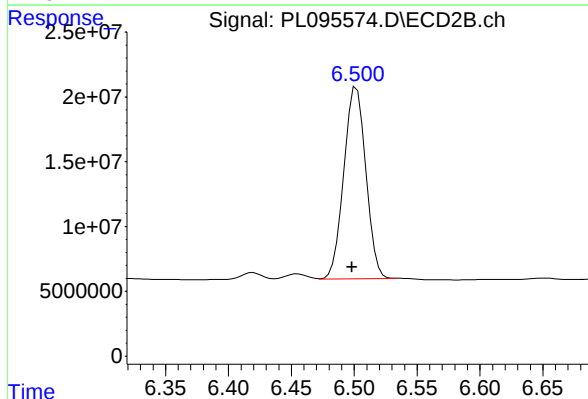
#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 137651531
Conc: 49.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

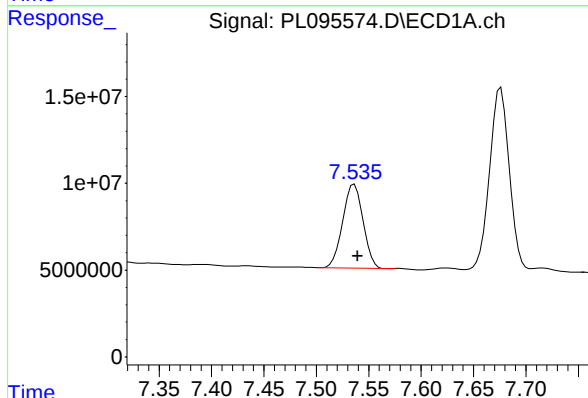
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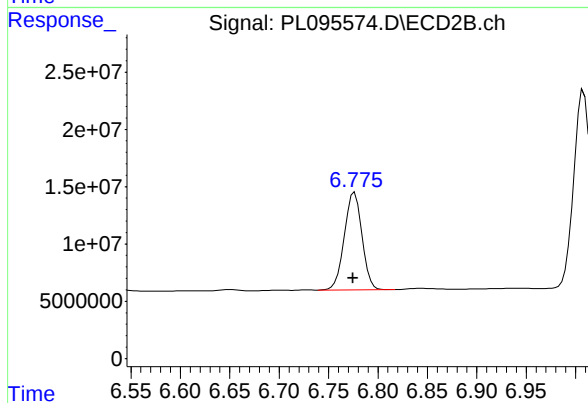
#19 Endosulfan Sulfate

R.T.: 6.500 min
Delta R.T.: 0.002 min
Response: 179654849
Conc: 54.15 ng/ml m



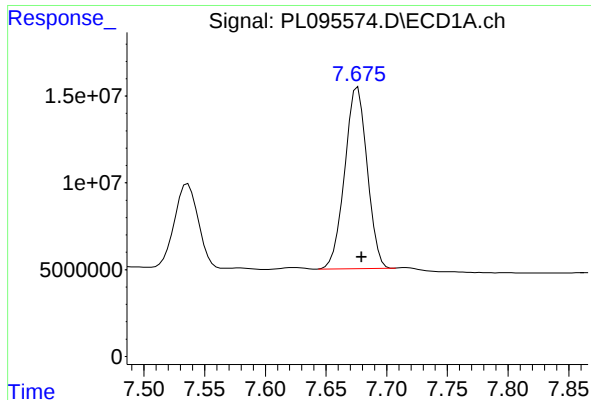
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: -0.003 min
Response: 65210011
Conc: 46.74 ng/ml



#20 Methoxychlor

R.T.: 6.776 min
Delta R.T.: 0.002 min
Response: 105742441
Conc: 55.44 ng/ml



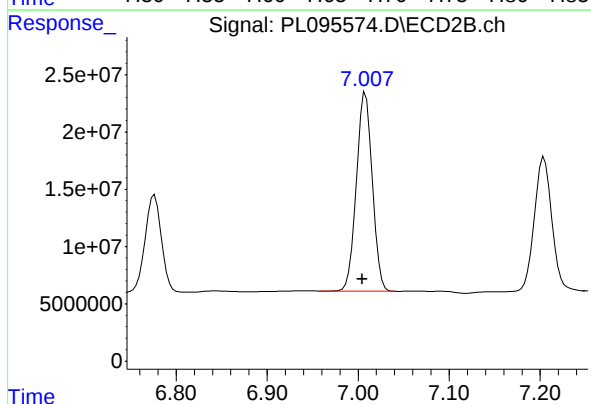
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: -0.003 min
Response: 134846743
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

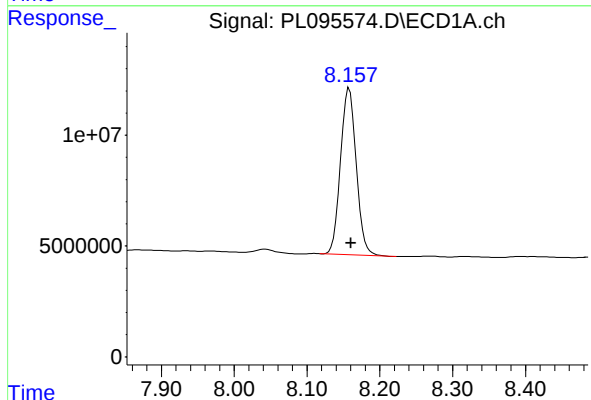
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 05/07/2025
Supervised By :mohammad ahmed 05/08/2025



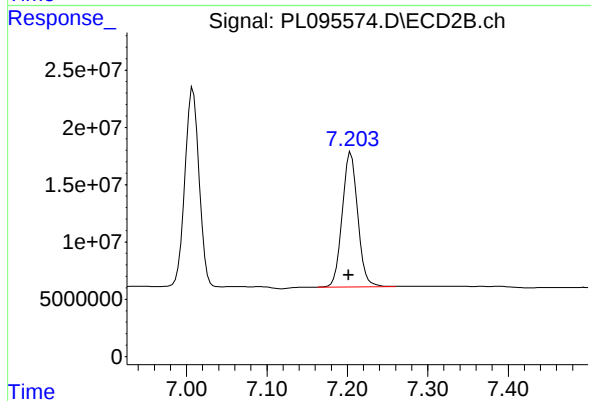
#21 Endrin ketone

R.T.: 7.008 min
Delta R.T.: 0.004 min
Response: 212097398
Conc: 60.23 ng/ml



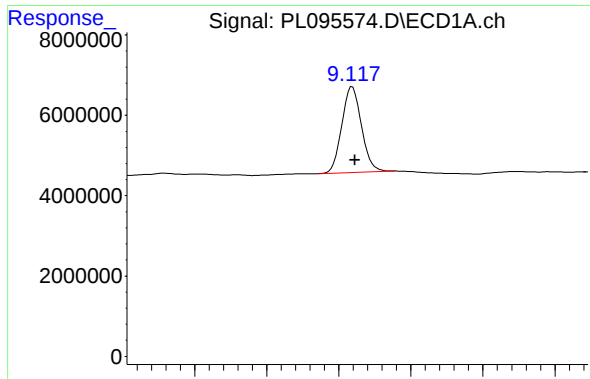
#22 Mirex

R.T.: 8.158 min
Delta R.T.: -0.003 min
Response: 112677949
Conc: 47.42 ng/ml



#22 Mirex

R.T.: 7.203 min
Delta R.T.: 0.001 min
Response: 156963862
Conc: 54.46 ng/ml m



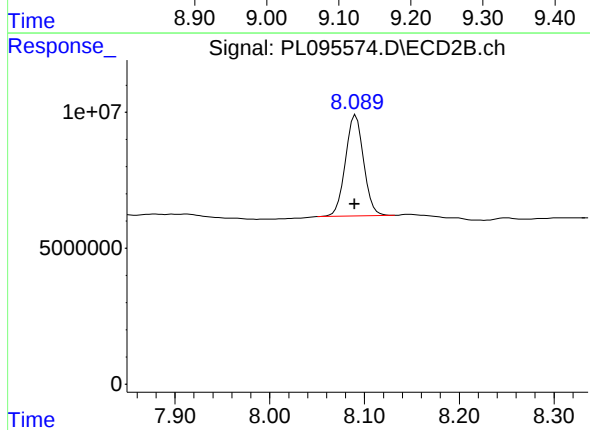
#28 Decachlorobiphenyl

R.T.: 9.119 min
Delta R.T.: -0.004 min
Response: 40468734
Conc: 14.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
SB2-4-5MSD

Manual Integrations
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Supervised By :mohammad ahmed 05/08/2025



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 49807630
Conc: 16.83 ng/ml