

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050925\
 Data File : PL095607.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 May 2025 15:46
 Operator : AR\AJ
 Sample : PB167925BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167925BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/12/2025
 Supervised By : mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 09 23:14:27 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	2.910	62136542	77901916	19.033	24.499 #
28) SA Decachlor...	9.120	8.088	59590257	75999451	21.506	25.682
Target Compounds						
2) A alpha-BHC	4.044	3.420	228.5E6	286.2E6	46.122	64.342 #
3) MA gamma-BHC...	4.375	3.753	219.4E6	273.0E6	46.349	62.067 #
4) MA Heptachlor	4.973	4.106	217.0E6	267.1E6	47.441	61.297 #
5) MB Aldrin	5.316	4.390	225.2E6	257.9E6	49.024	62.663m#
6) B beta-BHC	4.561	4.046	97020977	123.2E6	46.926	59.344 #
7) B delta-BHC	4.808	4.283	224.0E6	276.4E6	48.159m	63.074 #
8) B Heptachlo...	5.735	4.894	209.5E6	235.7E6	52.318m	61.025
9) A Endosulfan I	6.119	5.267	190.0E6	194.4E6	50.020m	53.106
10) B gamma-Chl...	5.990	5.146	208.5E6	244.9E6	51.119m	60.435m
11) B alpha-Chl...	6.071	5.211	202.4E6	250.0E6	49.790m	62.802 #
12) B 4,4'-DDE	6.239	5.396	190.8E6	241.5E6	48.679m	59.392m
13) MA Dieldrin	6.393	5.531	192.7E6	253.4E6	49.993	62.308m
14) MA Endrin	6.619	5.808	163.2E6	244.7E6	51.235m	67.206 #
15) B Endosulfa...	6.831	6.098	163.8E6	225.7E6	51.328m	62.837
16) A 4,4'-DDD	6.749	5.948	152.0E6	208.9E6	53.681m	63.956m
17) MA 4,4'-DDT	7.064	6.204	146.1E6	221.7E6	51.298m	64.524 #
18) B Endrin al...	6.960	6.276	123.1E6	170.9E6	53.045m	65.392
19) B Endosulfa...	7.195	6.499	148.6E6	202.7E6	53.028	61.091
20) A Methoxychlor	7.535	6.774	87790996	119.8E6	62.927m	62.792
21) B Endrin ke...	7.677	7.004	147.3E6	270.3E6	51.662	76.757m#
22) Mirex	8.158	7.200	124.4E6	172.7E6	52.339	59.910m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050925\
Data File : PL095607.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 May 2025 15:46
Operator : AR\AJ
Sample : PB167925BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167925BS

Manual Integrations

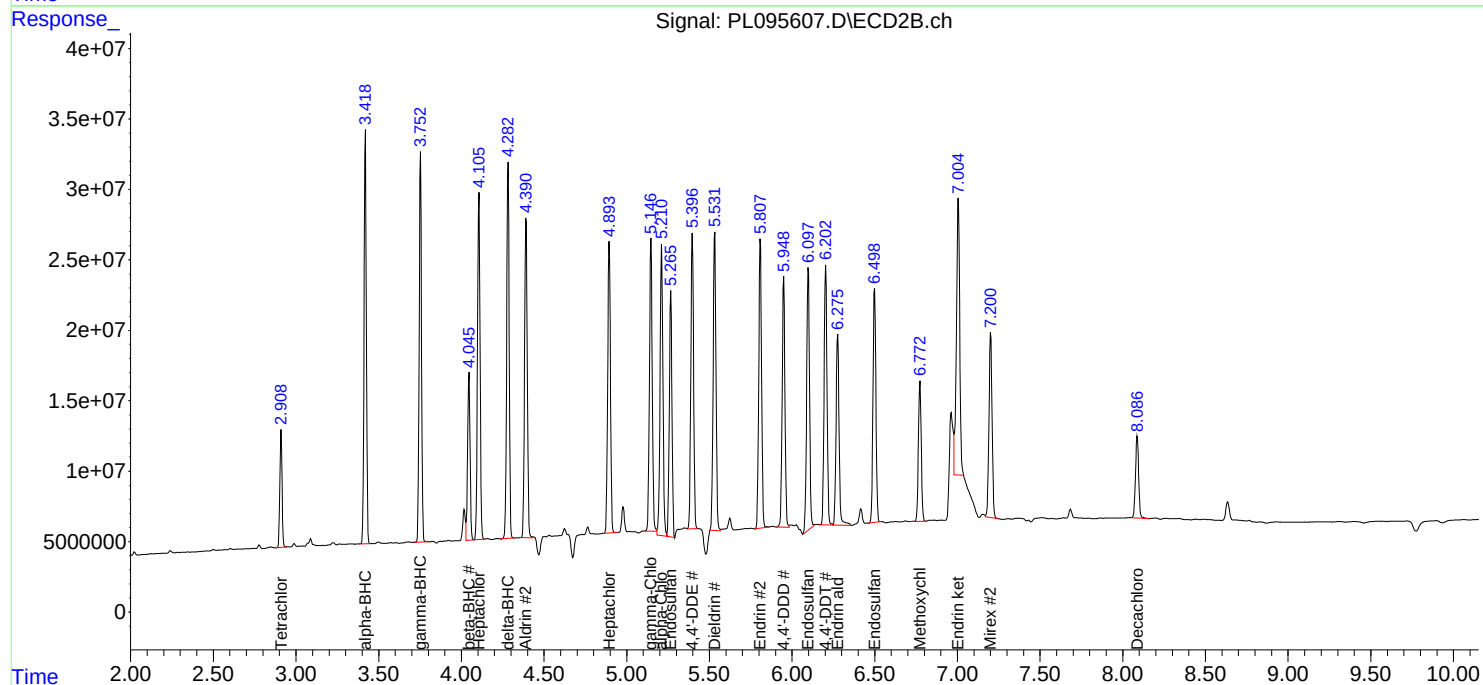
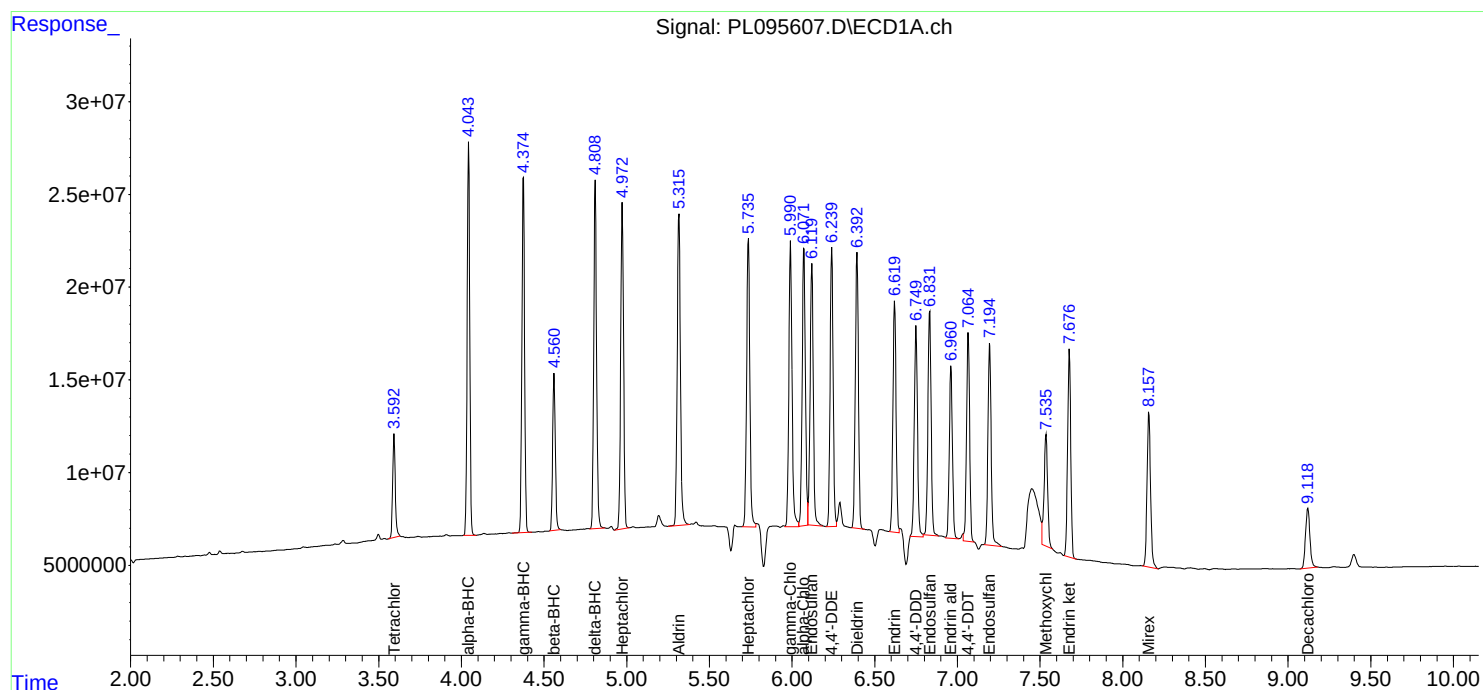
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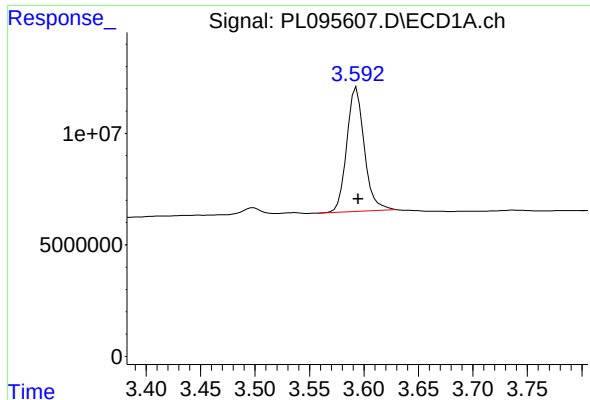
Reviewed By :Abdul Mirza 05/12/2025

Supervised By :mohammad ahmed 05/14/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 23:14:27 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





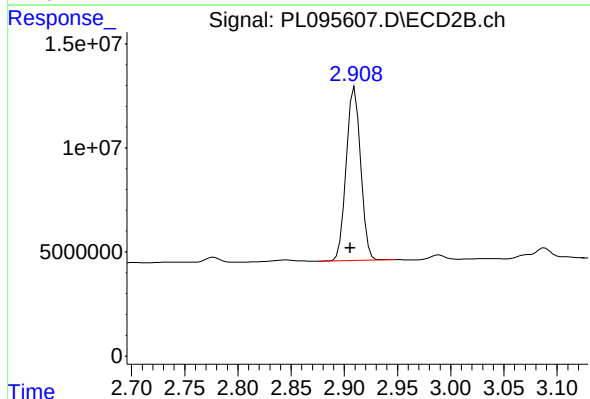
#1 Tetrachloro-m-xylene

R.T.: 3.593 min
Delta R.T.: -0.002 min
Response: 62136542
Conc: 19.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

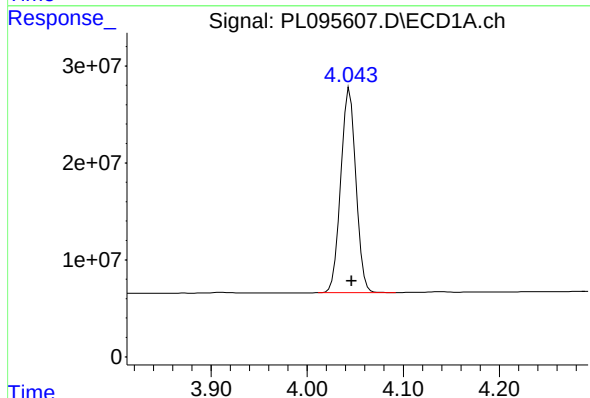
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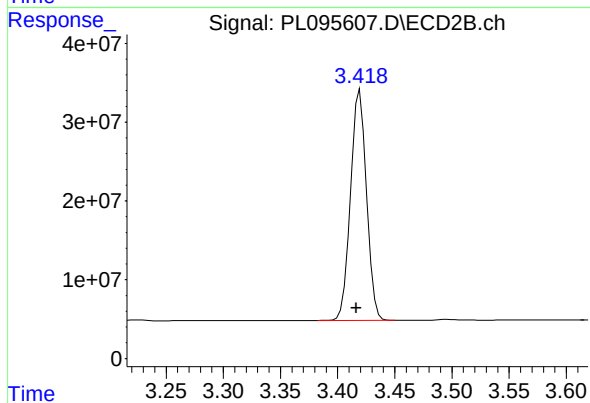
#1 Tetrachloro-m-xylene

R.T.: 2.910 min
Delta R.T.: 0.004 min
Response: 77901916
Conc: 24.50 ng/ml



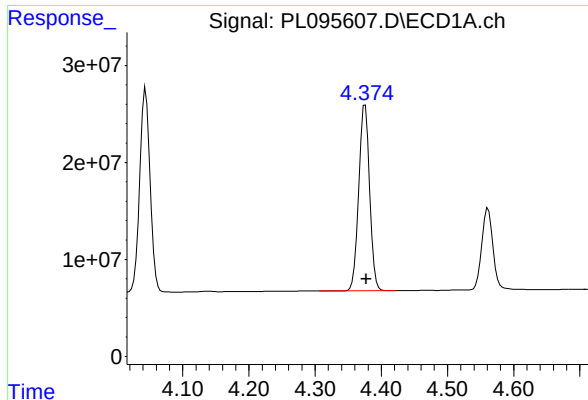
#2 alpha-BHC

R.T.: 4.044 min
Delta R.T.: -0.002 min
Response: 228477035
Conc: 46.12 ng/ml



#2 alpha-BHC

R.T.: 3.420 min
Delta R.T.: 0.004 min
Response: 286239211
Conc: 64.34 ng/ml



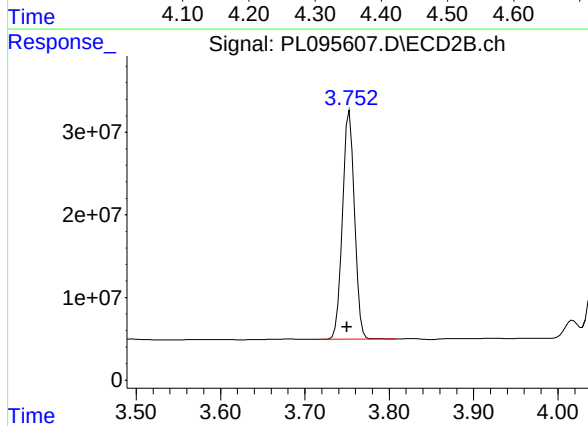
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: -0.002 min
Response: 219414767
Conc: 46.35 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

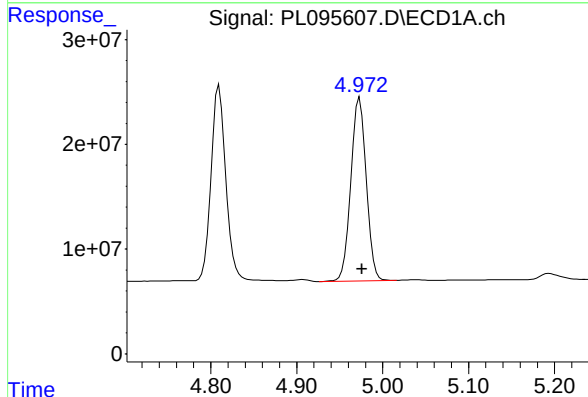
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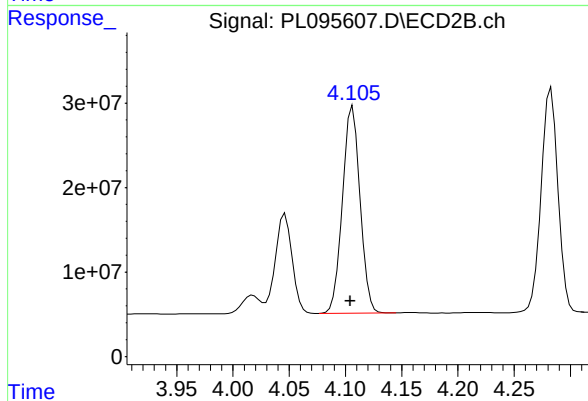
#3 gamma-BHC (Lindane)

R.T.: 3.753 min
Delta R.T.: 0.003 min
Response: 272986137
Conc: 62.07 ng/ml



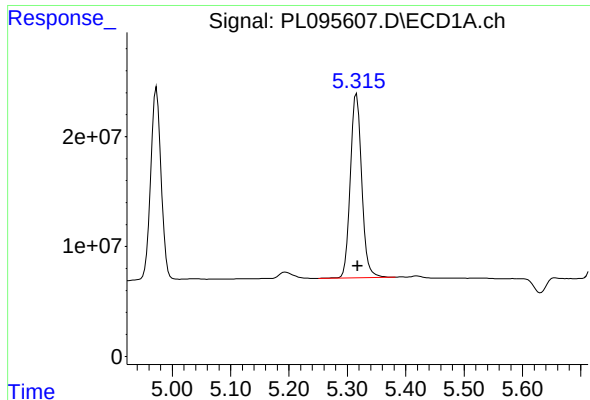
#4 Heptachlor

R.T.: 4.973 min
Delta R.T.: -0.003 min
Response: 217017130
Conc: 47.44 ng/ml



#4 Heptachlor

R.T.: 4.106 min
Delta R.T.: 0.002 min
Response: 267054241
Conc: 61.30 ng/ml



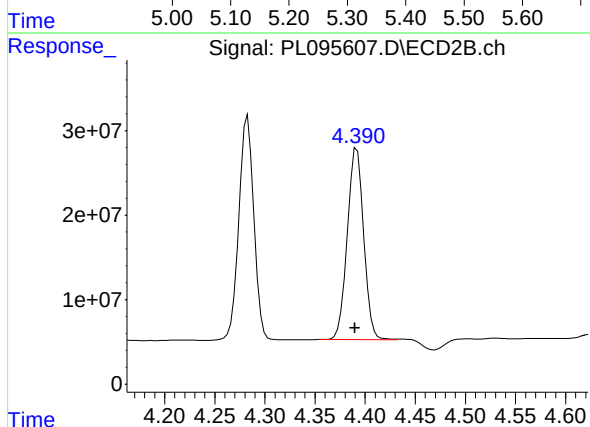
#5 Aldrin

R.T.: 5.316 min
Delta R.T.: -0.002 min
Response: 225169377
Conc: 49.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

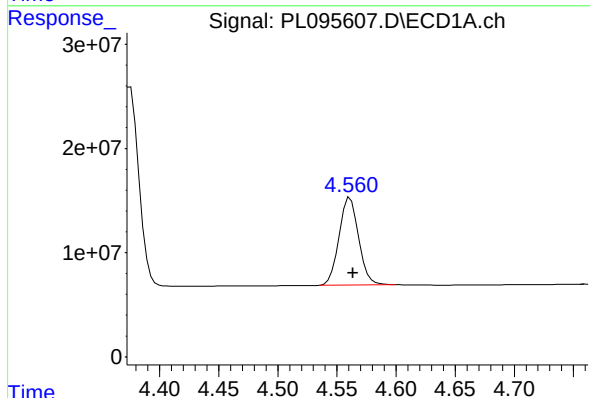
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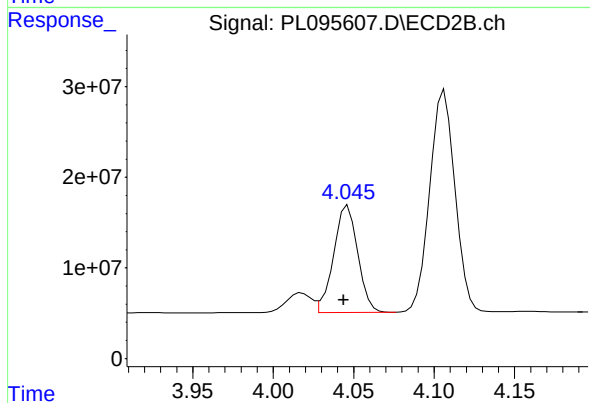
#5 Aldrin

R.T.: 4.390 min
Delta R.T.: 0.000 min
Response: 257901662
Conc: 62.66 ng/ml



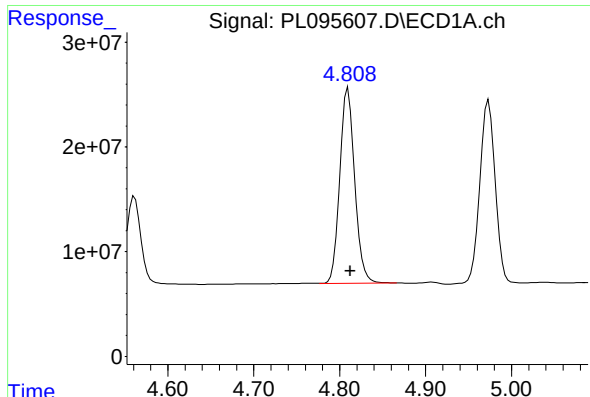
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: -0.002 min
Response: 97020977
Conc: 46.93 ng/ml



#6 beta-BHC

R.T.: 4.046 min
Delta R.T.: 0.003 min
Response: 123191259
Conc: 59.34 ng/ml



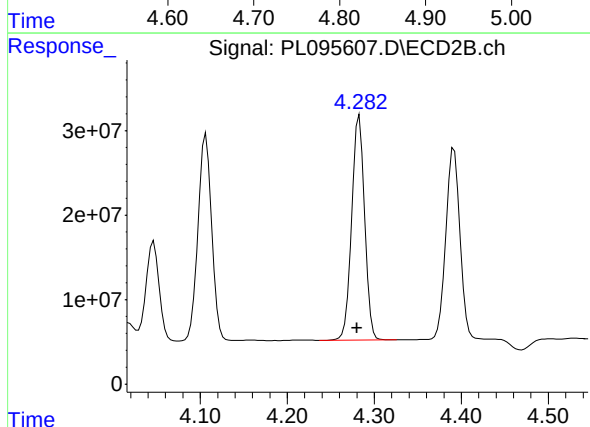
#7 delta-BHC

R.T.: 4.808 min
Delta R.T.: -0.004 min
Response: 223970324
Conc: 48.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

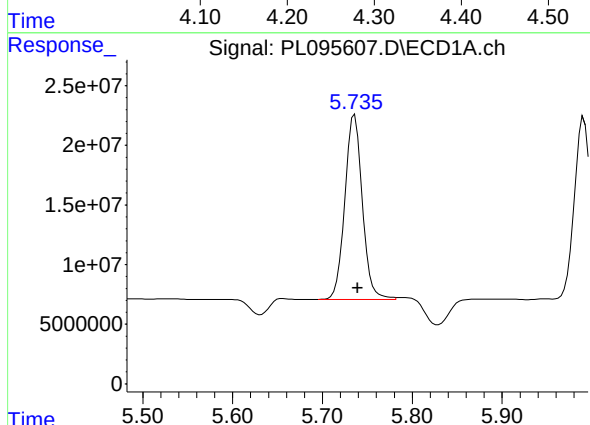
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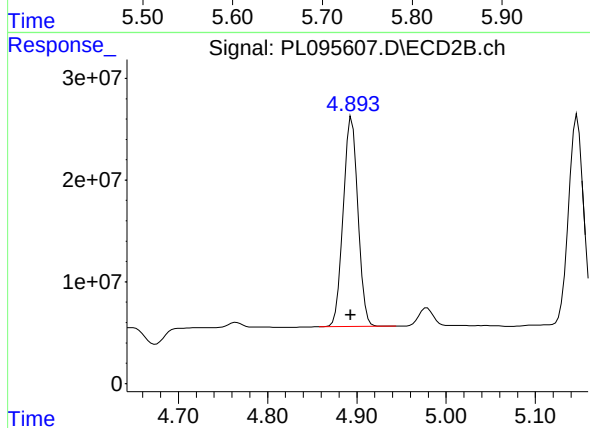
#7 delta-BHC

R.T.: 4.283 min
Delta R.T.: 0.003 min
Response: 276389947
Conc: 63.07 ng/ml



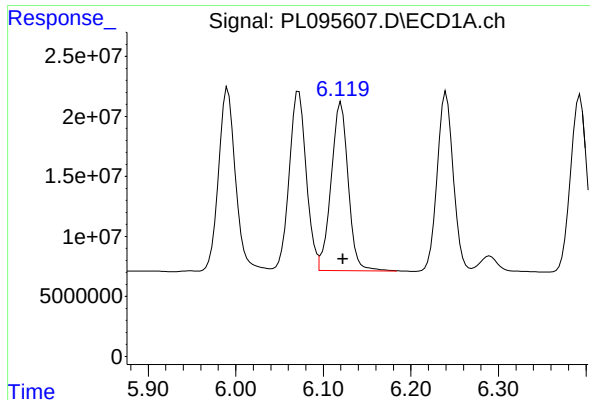
#8 Heptachlor epoxide

R.T.: 5.735 min
Delta R.T.: -0.004 min
Response: 209540419
Conc: 52.32 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.894 min
Delta R.T.: 0.000 min
Response: 235718630
Conc: 61.02 ng/ml



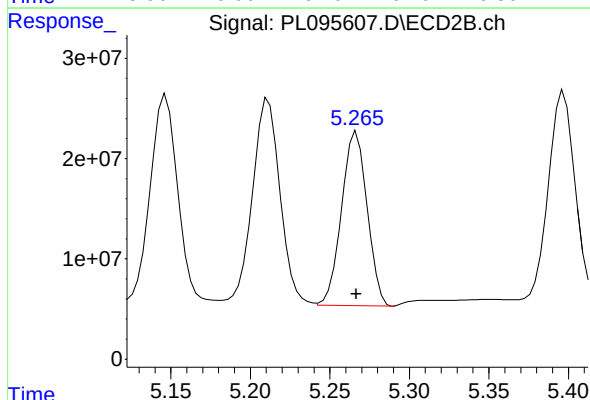
#9 Endosulfan I

R.T.: 6.119 min
Delta R.T.: -0.004 min
Response: 189952261
Conc: 50.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

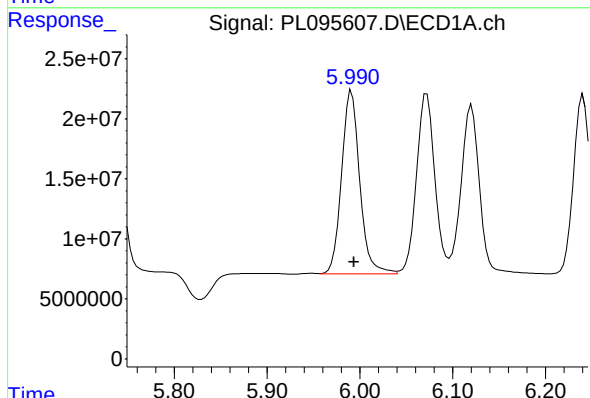
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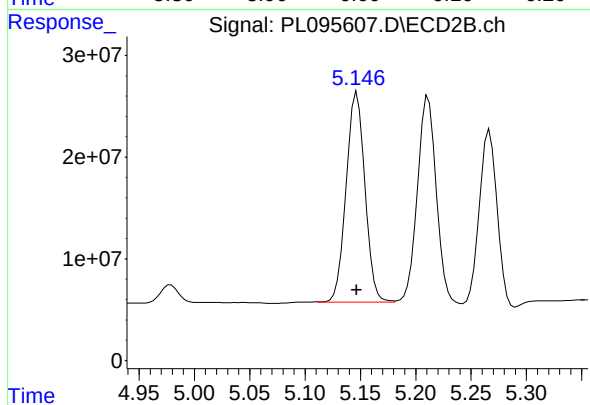
#9 Endosulfan I

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 194389623
Conc: 53.11 ng/ml



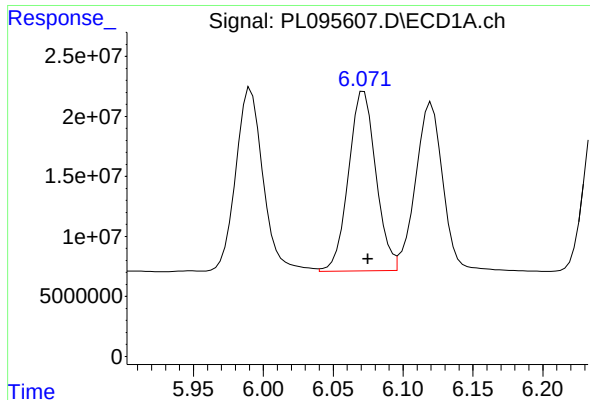
#10 gamma-Chlordane

R.T.: 5.990 min
Delta R.T.: -0.004 min
Response: 208533985
Conc: 51.12 ng/ml m



#10 gamma-Chlordane

R.T.: 5.146 min
Delta R.T.: -0.001 min
Response: 244922998
Conc: 60.44 ng/ml m



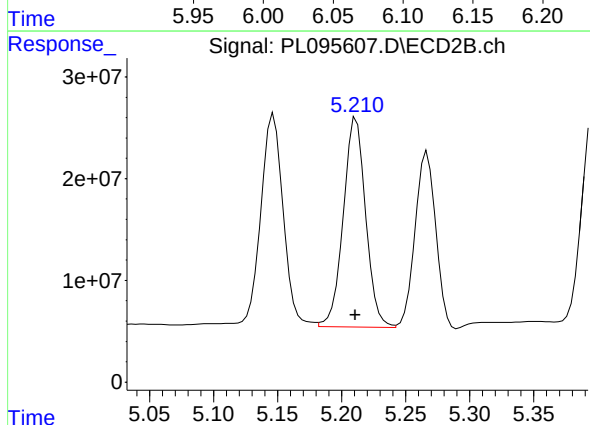
#11 alpha-Chlordane

R.T.: 6.071 min
Delta R.T.: -0.004 min
Response: 202449369
Conc: 49.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

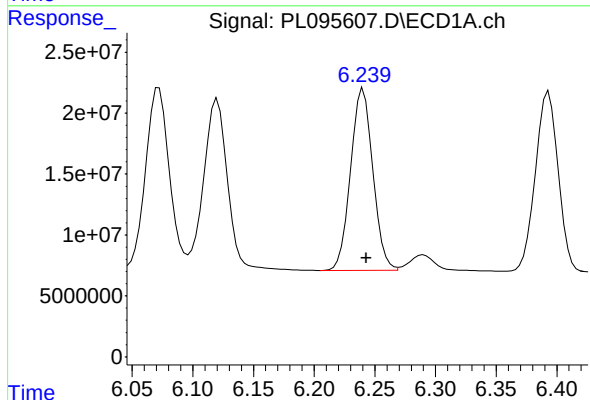
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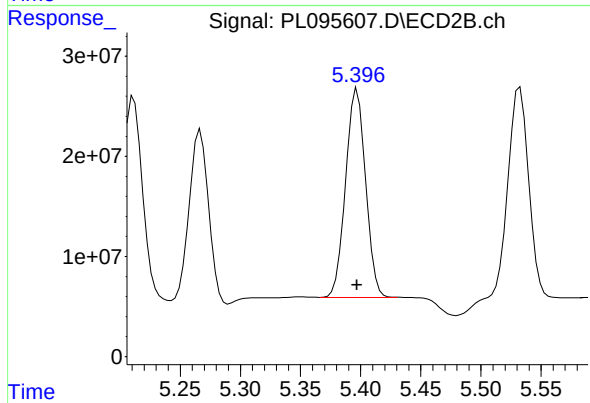
#11 alpha-Chlordane

R.T.: 5.211 min
Delta R.T.: 0.000 min
Response: 250017216
Conc: 62.80 ng/ml



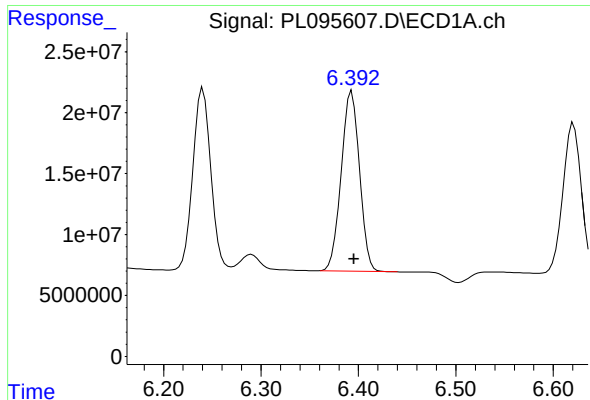
#12 4,4'-DDE

R.T.: 6.239 min
Delta R.T.: -0.004 min
Response: 190846656
Conc: 48.68 ng/ml m



#12 4,4'-DDE

R.T.: 5.396 min
Delta R.T.: -0.001 min
Response: 241546820
Conc: 59.39 ng/ml m



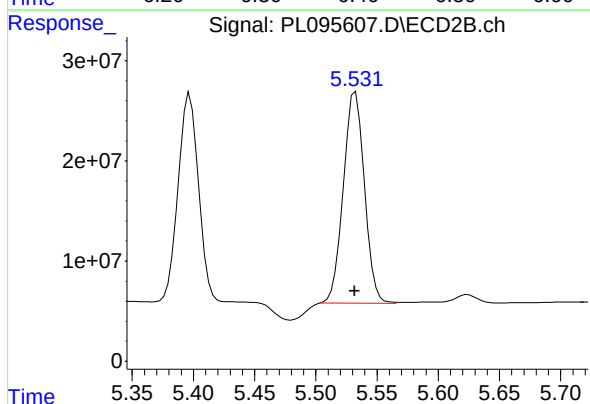
#13 Dieldrin

R.T.: 6.393 min
Delta R.T.: -0.002 min
Response: 192714949
Conc: 49.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

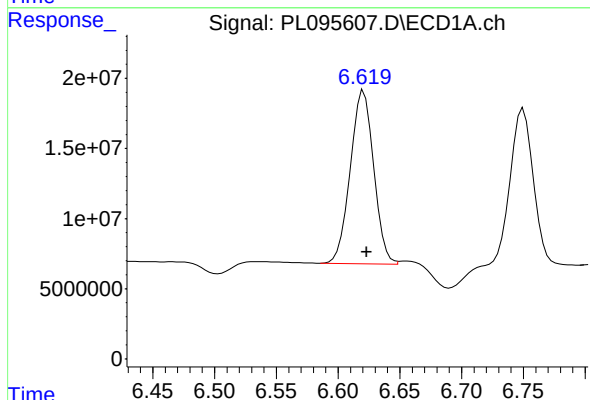
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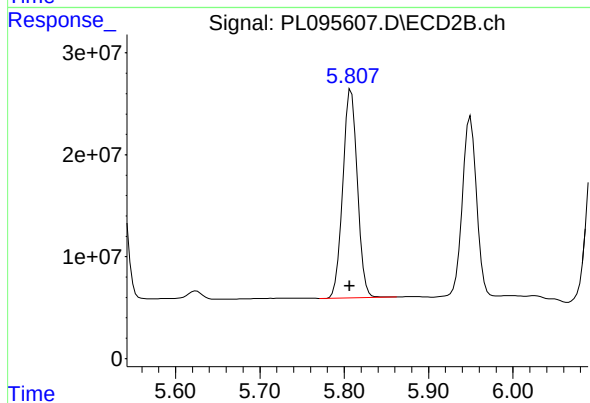
#13 Dieldrin

R.T.: 5.531 min
Delta R.T.: 0.000 min
Response: 253413440
Conc: 62.31 ng/ml



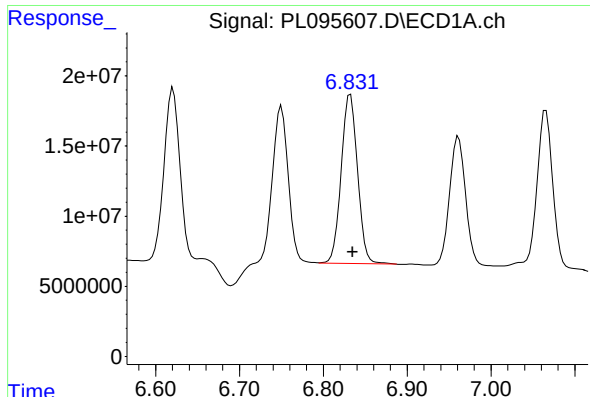
#14 Endrin

R.T.: 6.619 min
Delta R.T.: -0.004 min
Response: 163169894
Conc: 51.23 ng/ml



#14 Endrin

R.T.: 5.808 min
Delta R.T.: 0.001 min
Response: 244677628
Conc: 67.21 ng/ml



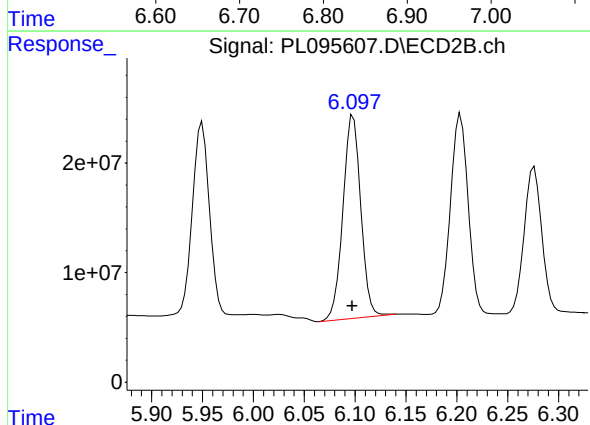
#15 Endosulfan II

R.T.: 6.831 min
Delta R.T.: -0.004 min
Response: 163846203
Conc: 51.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

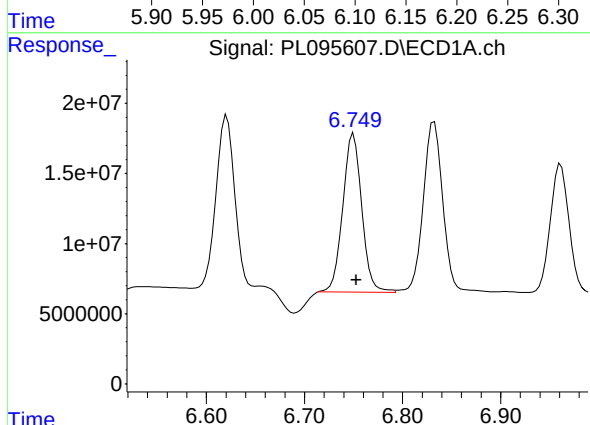
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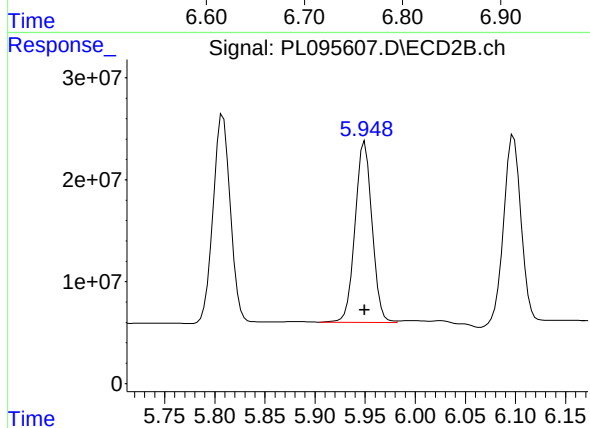
#15 Endosulfan II

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 225654209
Conc: 62.84 ng/ml



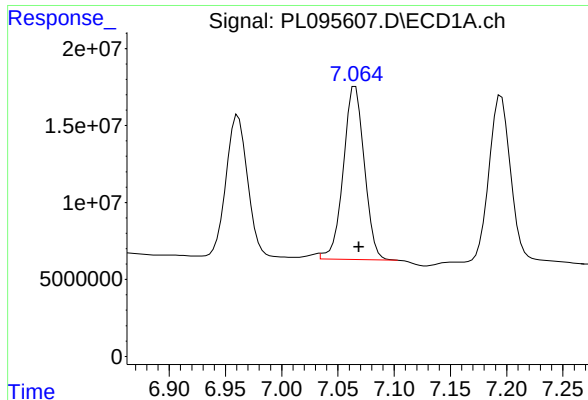
#16 4,4'-DDD

R.T.: 6.749 min
Delta R.T.: -0.004 min
Response: 151967104
Conc: 53.68 ng/ml m



#16 4,4'-DDD

R.T.: 5.948 min
Delta R.T.: -0.001 min
Response: 208931833
Conc: 63.96 ng/ml m



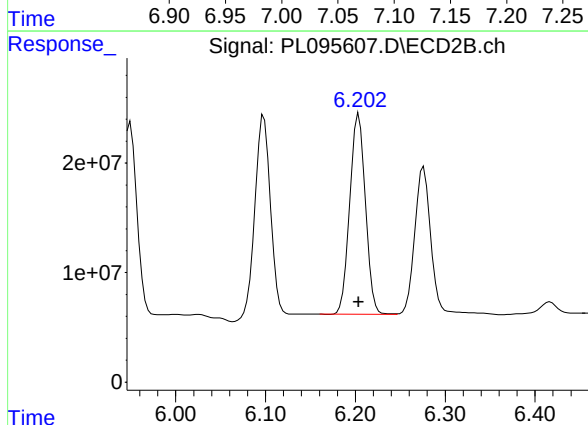
#17 4,4'-DDT

R.T.: 7.064 min
Delta R.T.: -0.005 min
Response: 146127209
Conc: 51.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

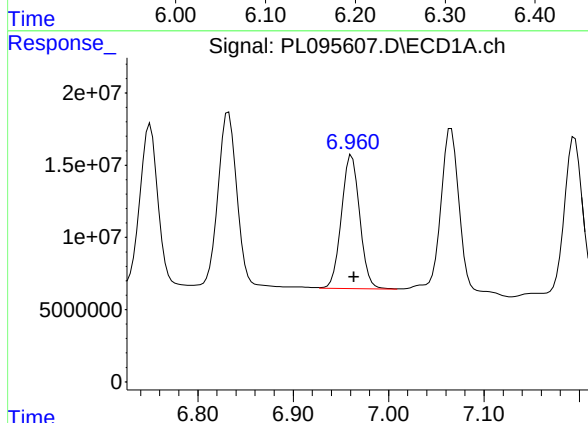
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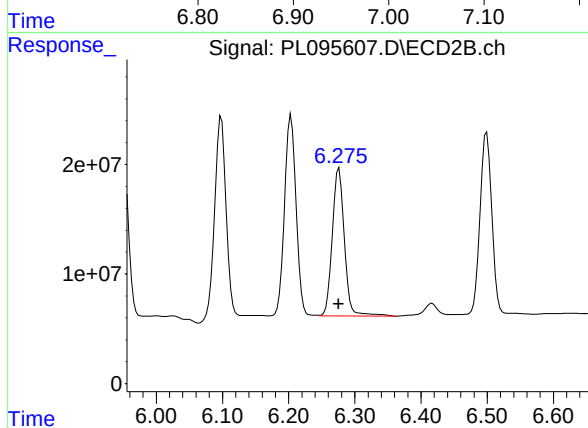
#17 4,4'-DDT

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 221715867
Conc: 64.52 ng/ml



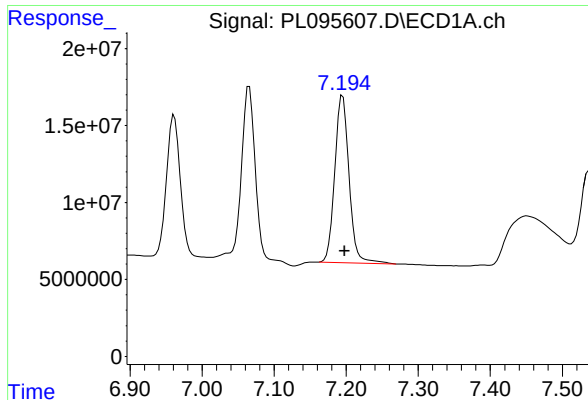
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: -0.004 min
Response: 123106752
Conc: 53.04 ng/ml m



#18 Endrin aldehyde

R.T.: 6.276 min
Delta R.T.: 0.000 min
Response: 170879509
Conc: 65.39 ng/ml



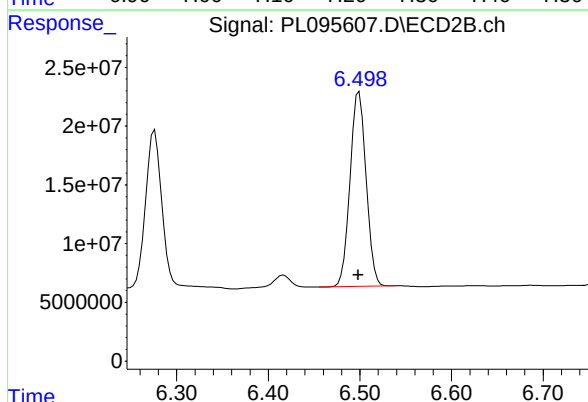
#19 Endosulfan Sulfate

R.T.: 7.195 min
Delta R.T.: -0.003 min
Response: 148572643
Conc: 53.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

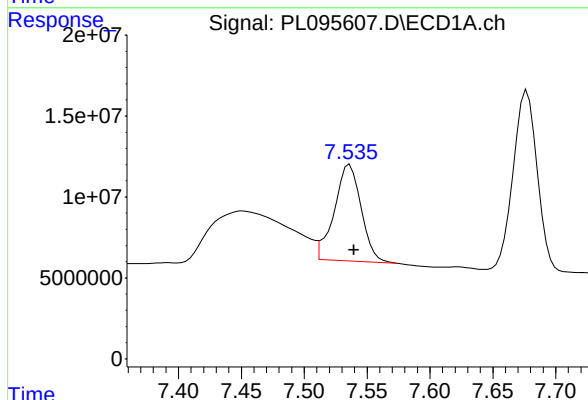
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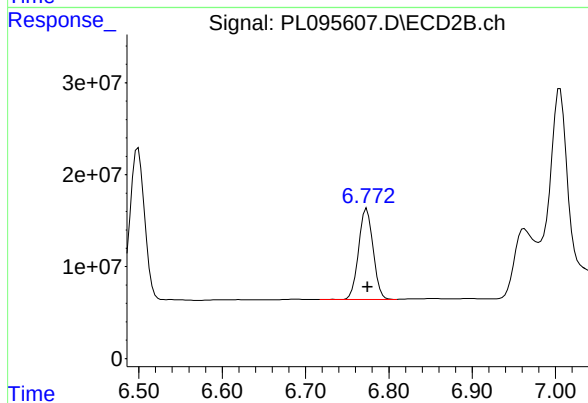
#19 Endosulfan Sulfate

R.T.: 6.499 min
Delta R.T.: 0.000 min
Response: 202696957
Conc: 61.09 ng/ml



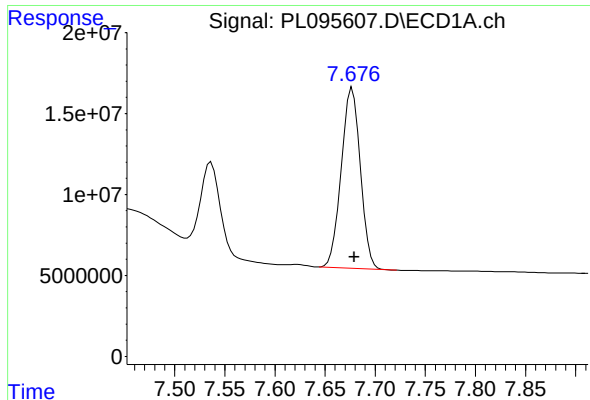
#20 Methoxychlor

R.T.: 7.535 min
Delta R.T.: -0.005 min
Response: 87790996
Conc: 62.93 ng/ml m



#20 Methoxychlor

R.T.: 6.774 min
Delta R.T.: -0.001 min
Response: 119772033
Conc: 62.79 ng/ml



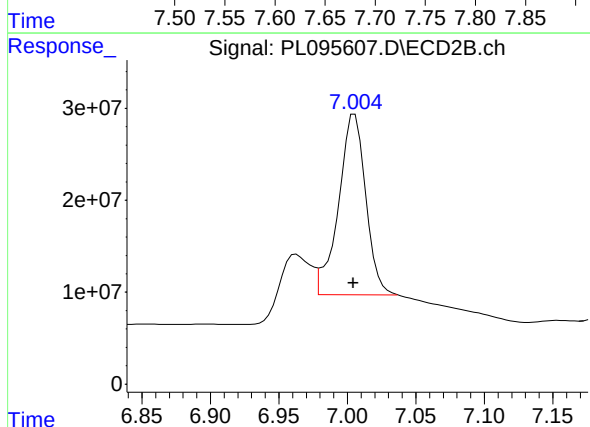
#21 Endrin ketone

R.T.: 7.677 min
Delta R.T.: -0.002 min
Response: 147282698
Conc: 51.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

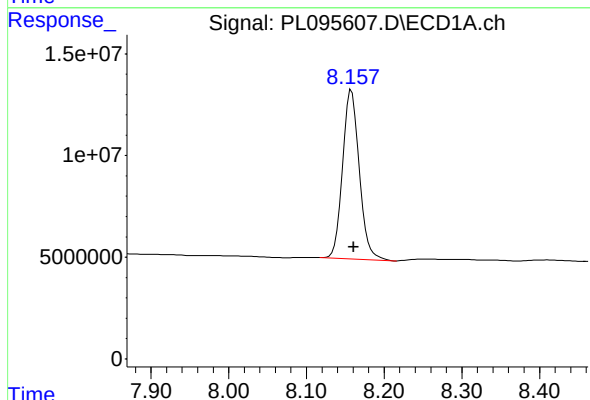
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Reviewed By :Abdul Mirza 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



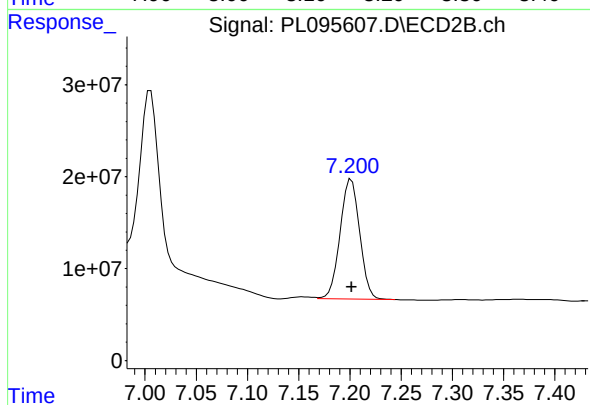
#21 Endrin ketone

R.T.: 7.004 min
Delta R.T.: 0.000 min
Response: 270283245
Conc: 76.76 ng/ml m



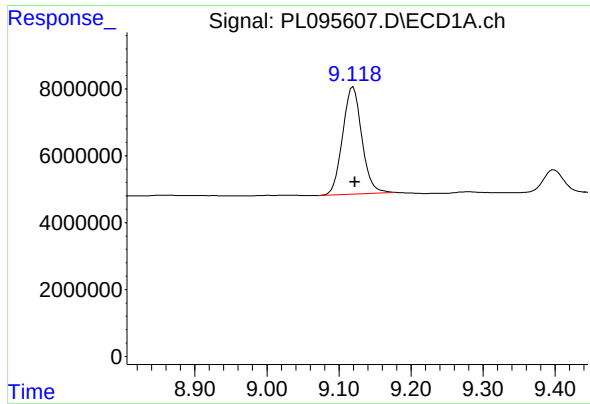
#22 Mirex

R.T.: 8.158 min
Delta R.T.: -0.003 min
Response: 124359693
Conc: 52.34 ng/ml



#22 Mirex

R.T.: 7.200 min
Delta R.T.: -0.002 min
Response: 172685983
Conc: 59.91 ng/ml m



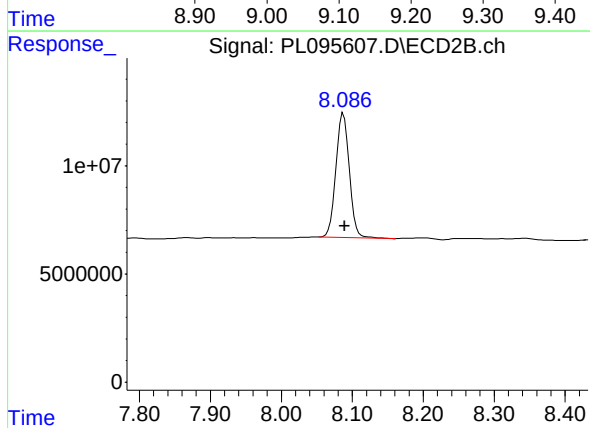
#28 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: -0.003 min
Response: 59590257
Conc: 21.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167925BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/12/2025
Supervised By :mohammad ahmed 05/14/2025



#28 Decachlorobiphenyl

R.T.: 8.088 min
Delta R.T.: -0.002 min
Response: 75999451
Conc: 25.68 ng/ml