

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050825\
 Data File : PL095583.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 May 2025 14:33
 Operator : AR\AJ
 Sample : PB167902BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167902BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/09/2025
 Supervised By : mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 09 02:05:18 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...	3.598	2.912	59685312	72947523	18.282	22.941 #
28) SA Decachlor...	9.126	8.093	53656264	65774192	19.365	22.227
Target Compounds						
2) A alpha-BHC	4.050	3.422	222.6E6	263.4E6	44.928	59.218 #
3) MA gamma-BHC...	4.380	3.756	213.3E6	251.4E6	45.049	57.154 #
4) MA Heptachlor	4.979	4.110	208.7E6	239.9E6	45.624	55.071
5) MB Aldrin	5.321	4.395	219.3E6	235.6E6	47.739	57.245
6) B beta-BHC	4.567	4.049	93922943	114.5E6	45.428	55.168
7) B delta-BHC	4.814	4.286	218.8E6	255.0E6	47.057m	58.193
8) B Heptachlo...	5.742	4.899	200.9E6	217.5E6	50.166	56.319
9) A Endosulfan I	6.125	5.272	189.8E6	208.5E6	49.973	56.949
10) B gamma-Chl...	5.996	5.152	204.7E6	226.6E6	50.187	55.905
11) B alpha-Chl...	6.077	5.216	201.6E6	221.3E6	49.589	55.581
12) B 4,4'-DDE	6.245	5.401	197.6E6	225.5E6	50.409	55.440
13) MA Dieldrin	6.398	5.537	187.4E6	233.6E6	48.607	57.438
14) MA Endrin	6.626	5.812	147.3E6	206.9E6	46.254	56.824
15) B Endosulfa...	6.837	6.103	159.8E6	205.0E6	50.067	57.087
16) A 4,4'-DDD	6.755	5.954	143.4E6	193.8E6	50.665	59.331
17) MA 4,4'-DDT	7.071	6.208	142.0E6	197.8E6	49.834	57.558
18) B Endrin al...	6.967	6.281	117.8E6	155.9E6	50.761	59.656
19) B Endosulfa...	7.200	6.504	138.8E6	184.7E6	49.539	55.655
20) A Methoxychlor	7.541	6.779	65706391	102.4E6	47.097	53.692
21) B Endrin ke...	7.681	7.011	139.9E6	217.9E6	49.060	61.887 #
22) Mirex	8.164	7.205	113.5E6	158.2E6	47.761	54.872m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050825\
Data File : PL095583.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 May 2025 14:33
Operator : AR\AJ
Sample : PB167902BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167902BS

Manual Integrations

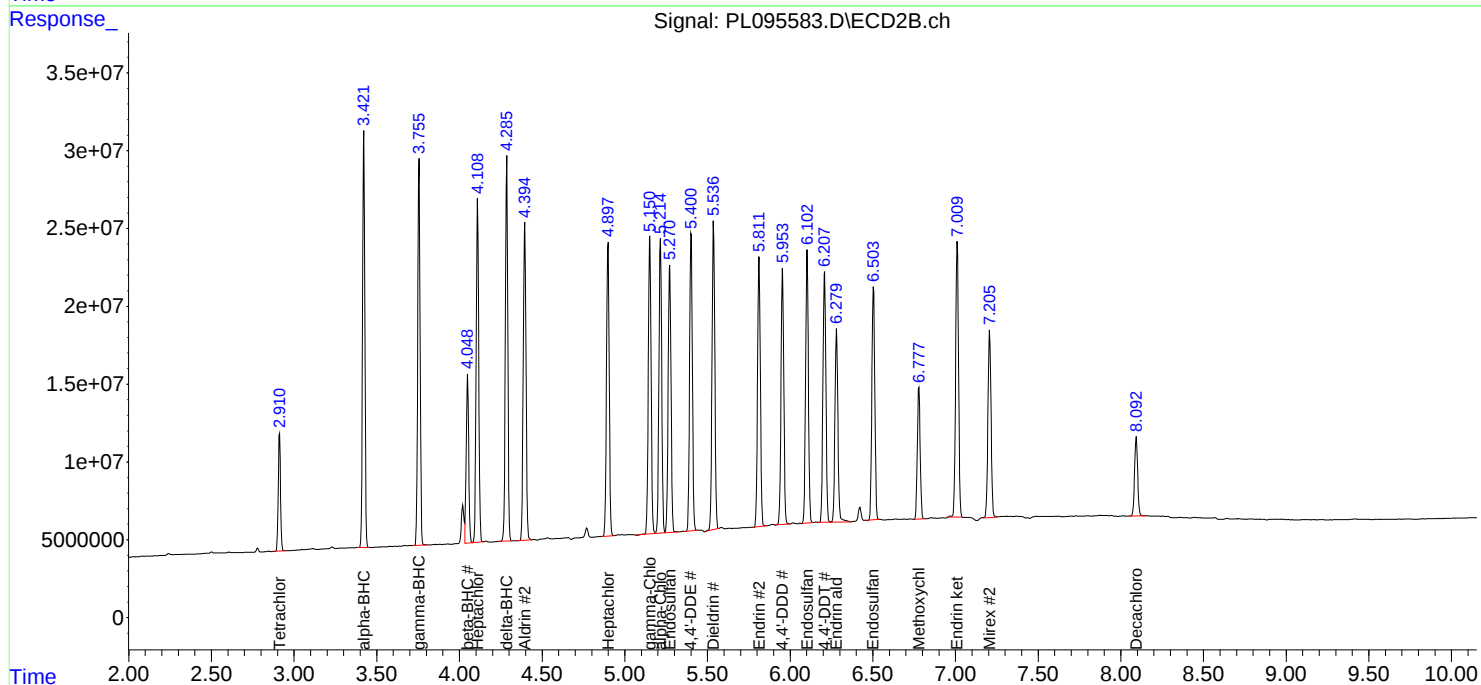
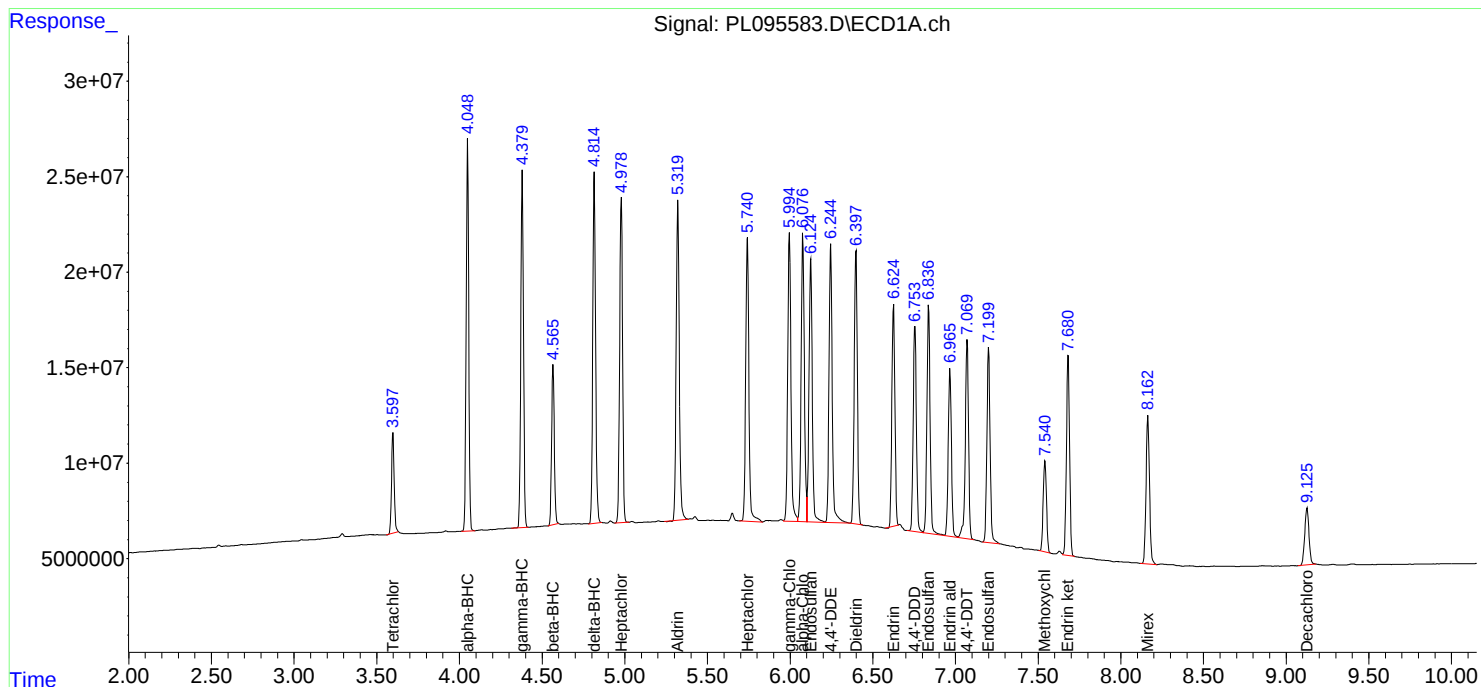
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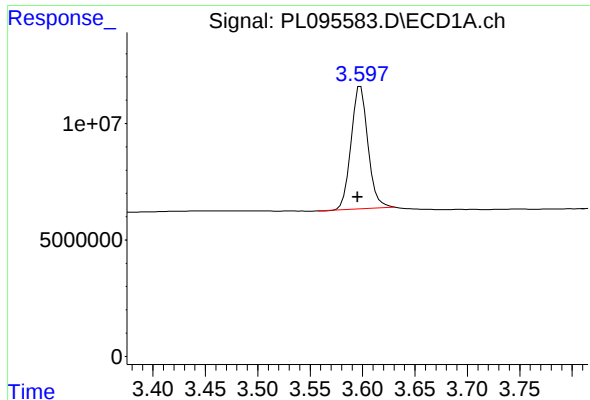
Reviewed By :Abdul Mirza 05/09/2025

Supervised By :mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 09 02:05:18 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





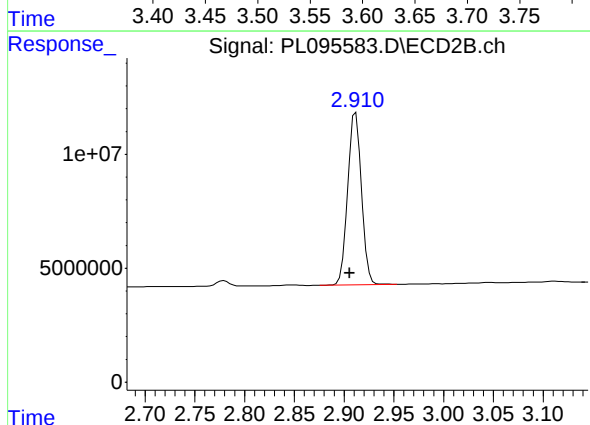
#1 Tetrachloro-m-xylene

R.T.: 3.598 min
Delta R.T.: 0.003 min
Response: 59685312
Conc: 18.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

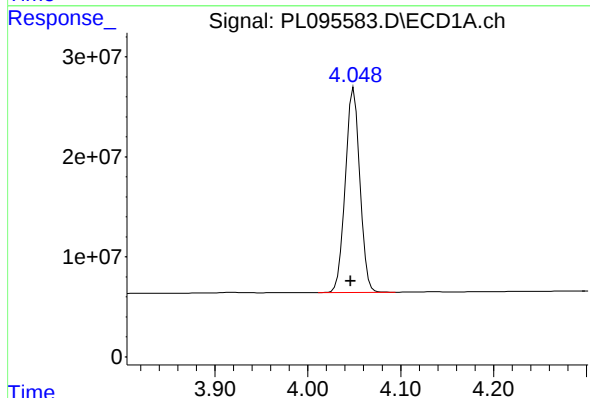
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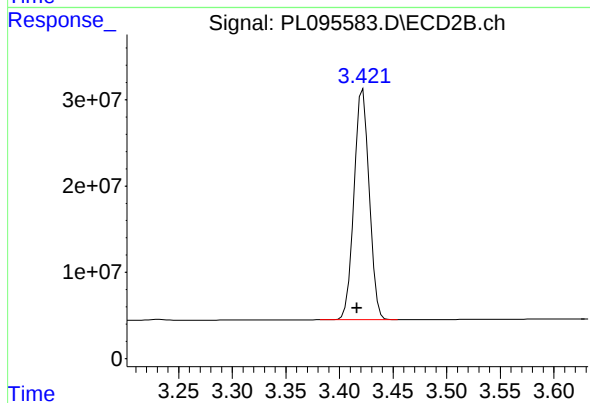
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.006 min
Response: 72947523
Conc: 22.94 ng/ml



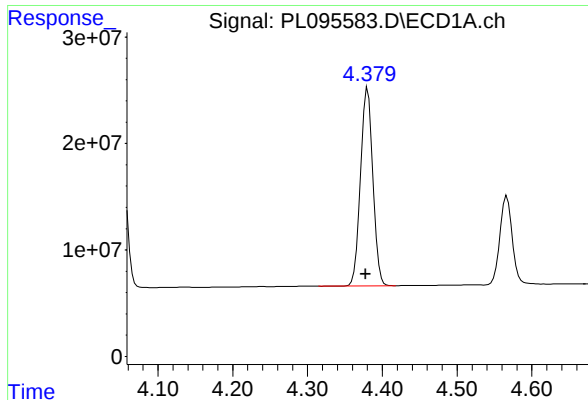
#2 alpha-BHC

R.T.: 4.050 min
Delta R.T.: 0.003 min
Response: 222564440
Conc: 44.93 ng/ml



#2 alpha-BHC

R.T.: 3.422 min
Delta R.T.: 0.006 min
Response: 263443723
Conc: 59.22 ng/ml



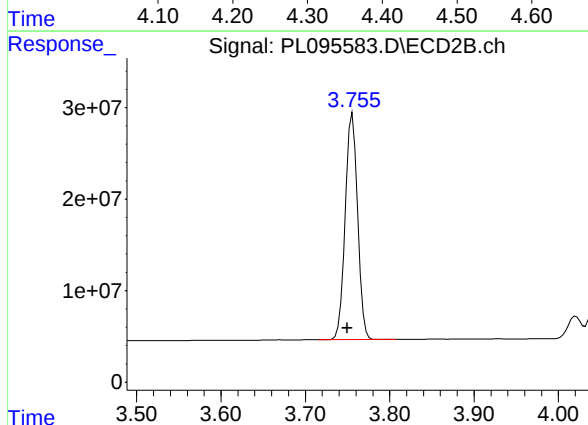
#3 gamma-BHC (Lindane)

R.T.: 4.380 min
Delta R.T.: 0.003 min
Response: 213259052
Conc: 45.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

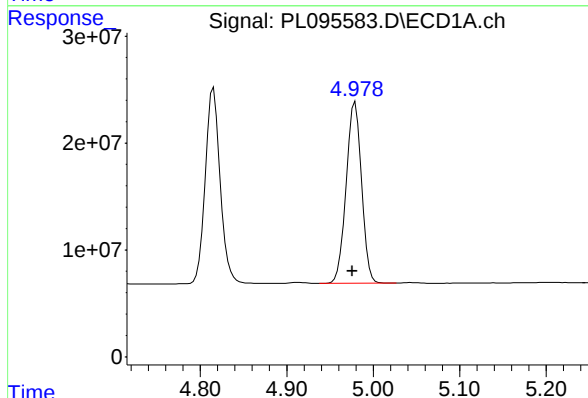
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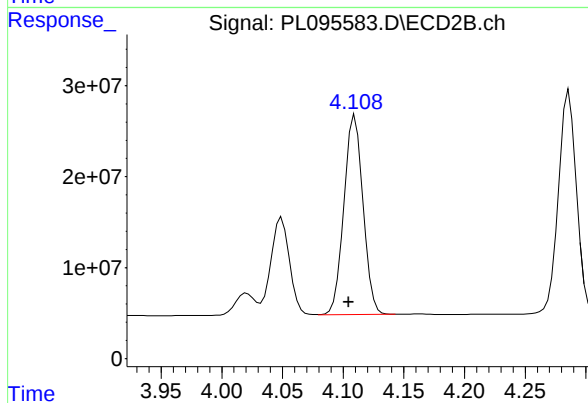
#3 gamma-BHC (Lindane)

R.T.: 3.756 min
Delta R.T.: 0.006 min
Response: 251378135
Conc: 57.15 ng/ml



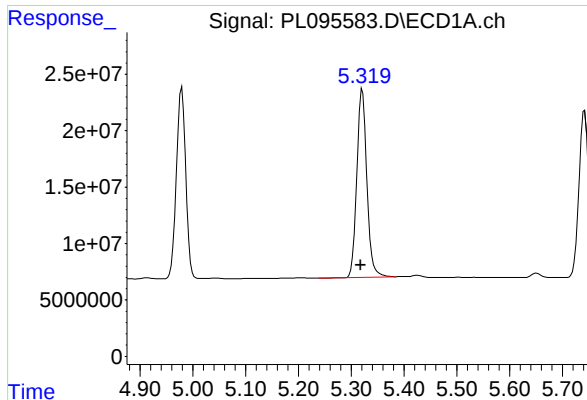
#4 Heptachlor

R.T.: 4.979 min
Delta R.T.: 0.003 min
Response: 208704326
Conc: 45.62 ng/ml



#4 Heptachlor

R.T.: 4.110 min
Delta R.T.: 0.005 min
Response: 239926908
Conc: 55.07 ng/ml



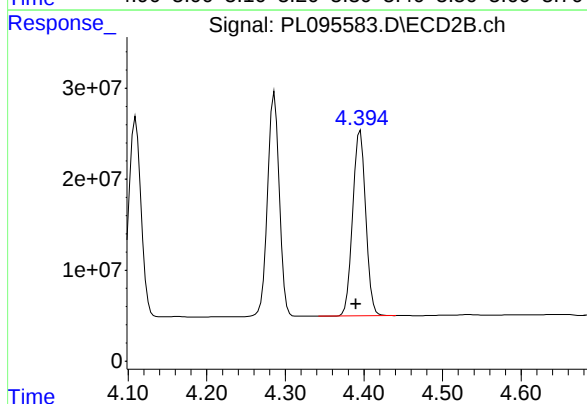
#5 Aldrin

R.T.: 5.321 min
Delta R.T.: 0.003 min
Response: 219264206
Conc: 47.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

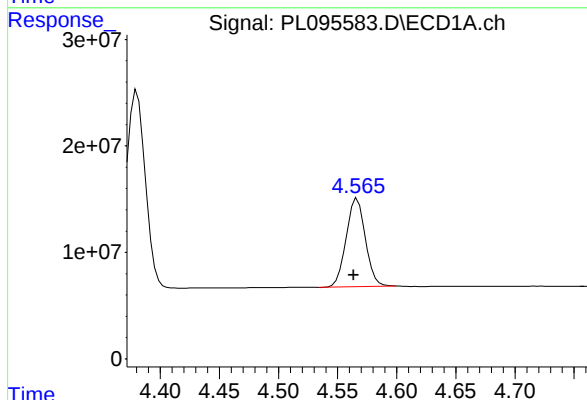
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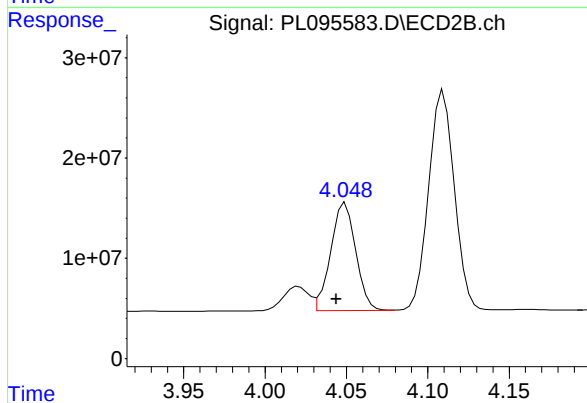
#5 Aldrin

R.T.: 4.395 min
Delta R.T.: 0.005 min
Response: 235602372
Conc: 57.25 ng/ml



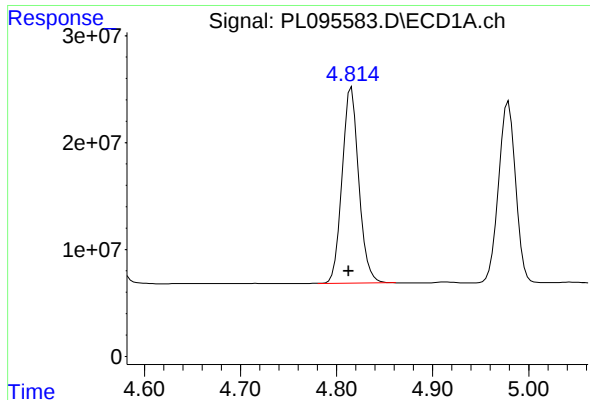
#6 beta-BHC

R.T.: 4.567 min
Delta R.T.: 0.003 min
Response: 93922943
Conc: 45.43 ng/ml



#6 beta-BHC

R.T.: 4.049 min
Delta R.T.: 0.006 min
Response: 114520626
Conc: 55.17 ng/ml



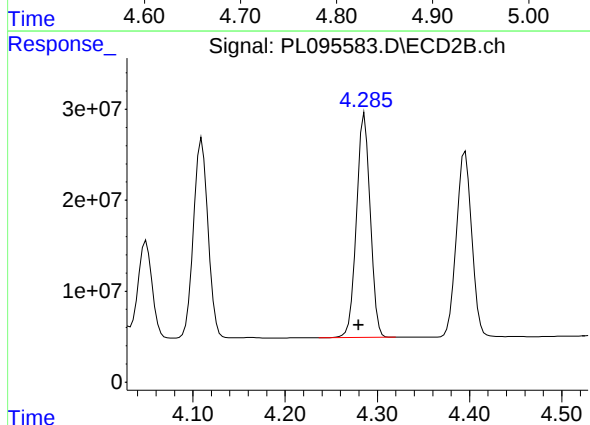
#7 delta-BHC

R.T.: 4.814 min
Delta R.T.: 0.002 min
Response: 218845639
Conc: 47.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

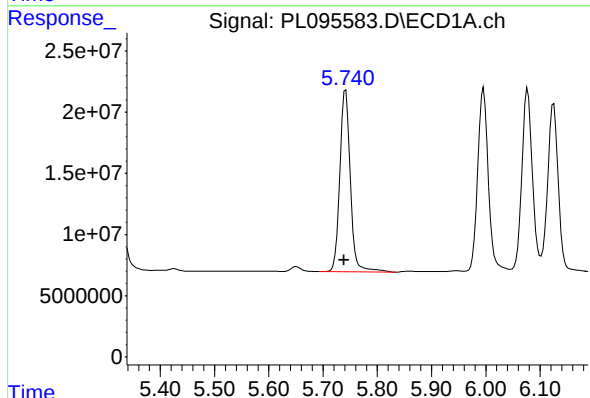
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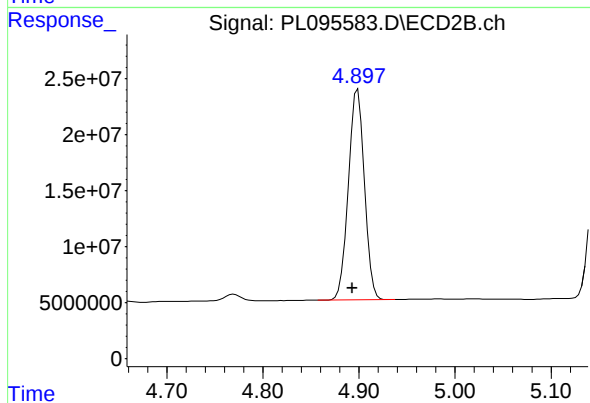
#7 delta-BHC

R.T.: 4.286 min
Delta R.T.: 0.006 min
Response: 255000087
Conc: 58.19 ng/ml



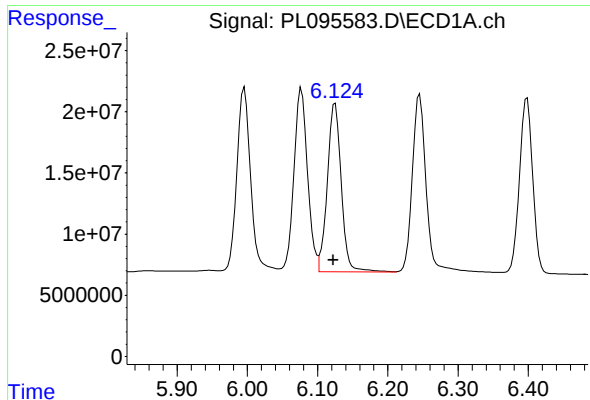
#8 Heptachlor epoxide

R.T.: 5.742 min
Delta R.T.: 0.003 min
Response: 200922885
Conc: 50.17 ng/ml



#8 Heptachlor epoxide

R.T.: 4.899 min
Delta R.T.: 0.005 min
Response: 217542109
Conc: 56.32 ng/ml



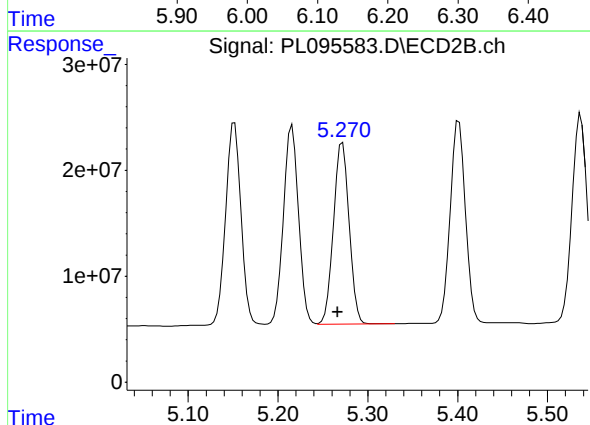
#9 Endosulfan I

R.T.: 6.125 min
Delta R.T.: 0.002 min
Response: 189771184
Conc: 49.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

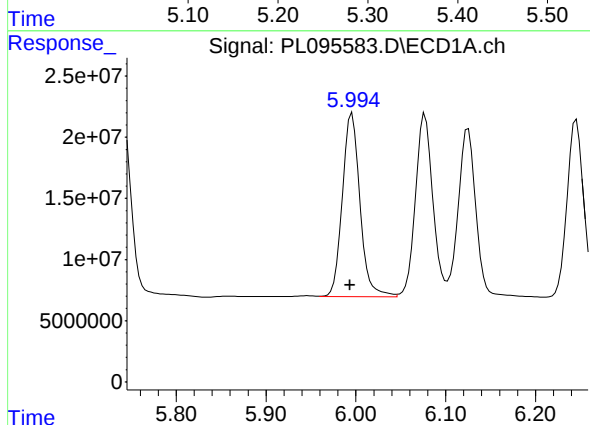
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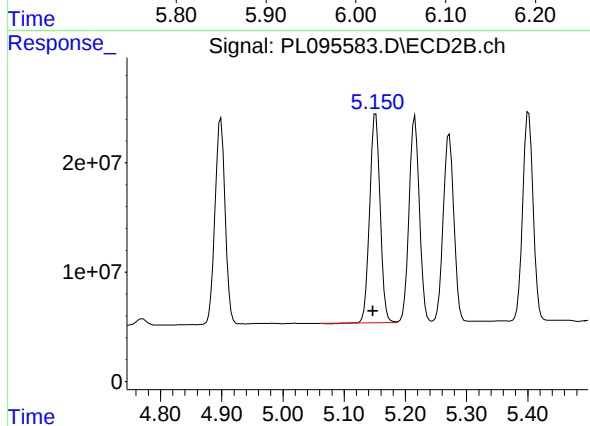
#9 Endosulfan I

R.T.: 5.272 min
Delta R.T.: 0.005 min
Response: 208458645
Conc: 56.95 ng/ml



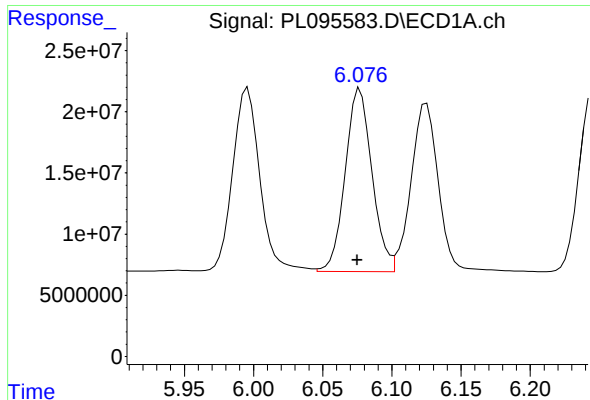
#10 gamma-Chlordane

R.T.: 5.996 min
Delta R.T.: 0.002 min
Response: 204731867
Conc: 50.19 ng/ml



#10 gamma-Chlordane

R.T.: 5.152 min
Delta R.T.: 0.005 min
Response: 226565262
Conc: 55.91 ng/ml



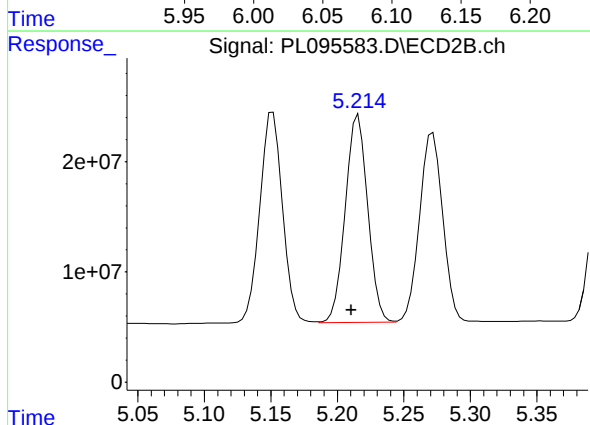
#11 alpha-Chlordane

R.T.: 6.077 min
Delta R.T.: 0.002 min
Response: 201634005
Conc: 49.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

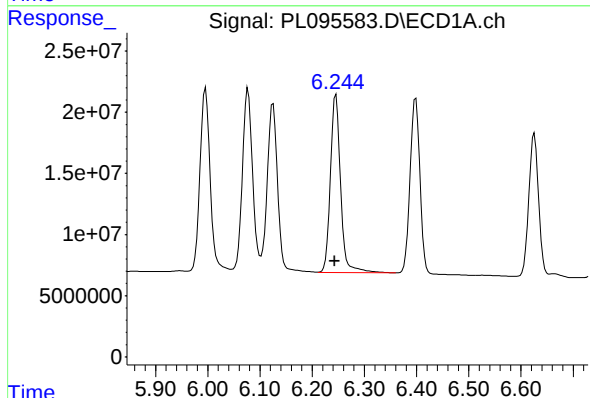
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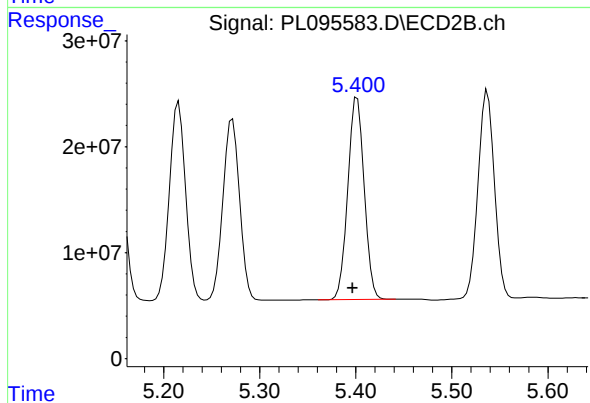
#11 alpha-Chlordane

R.T.: 5.216 min
Delta R.T.: 0.005 min
Response: 221271599
Conc: 55.58 ng/ml



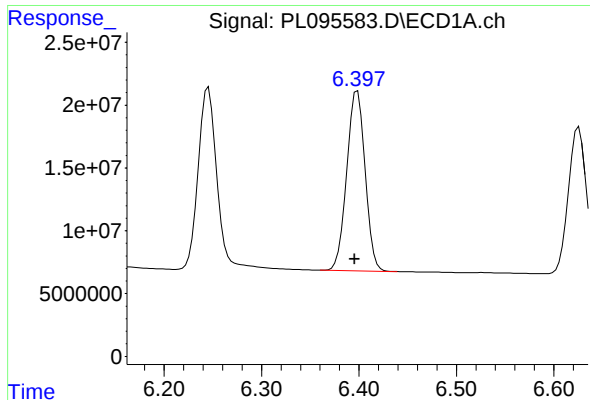
#12 4,4'-DDE

R.T.: 6.245 min
Delta R.T.: 0.002 min
Response: 197631251
Conc: 50.41 ng/ml



#12 4,4'-DDE

R.T.: 5.401 min
Delta R.T.: 0.004 min
Response: 225474628
Conc: 55.44 ng/ml



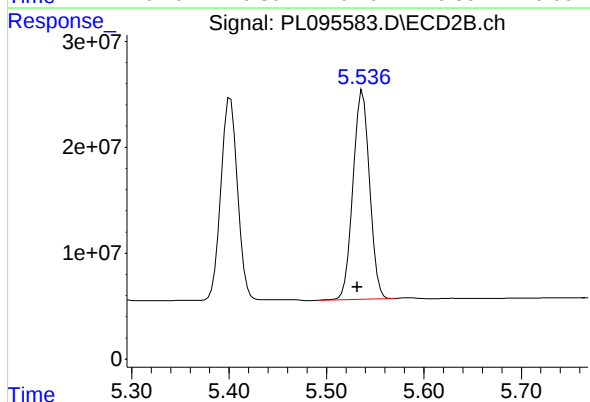
#13 Dieldrin

R.T.: 6.398 min
Delta R.T.: 0.003 min
Response: 187370080
Conc: 48.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

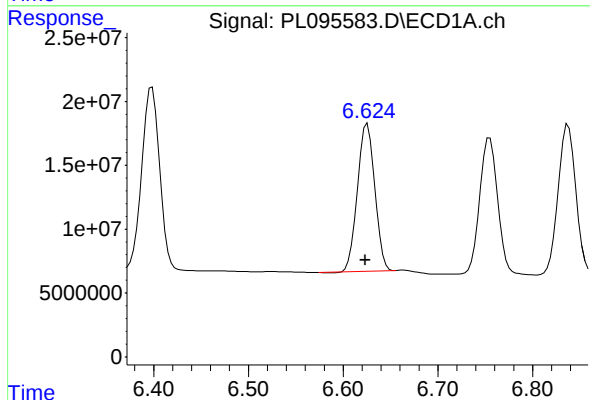
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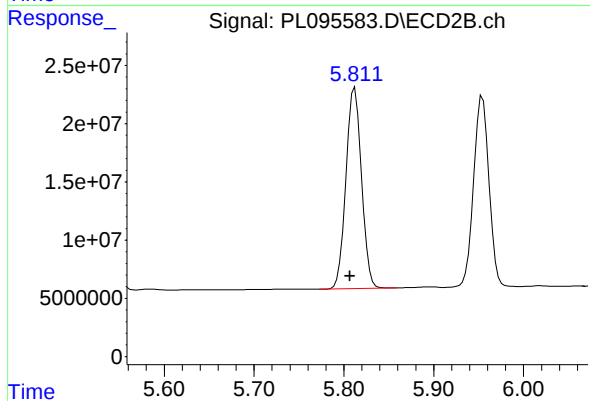
#13 Dieldrin

R.T.: 5.537 min
Delta R.T.: 0.005 min
Response: 233604312
Conc: 57.44 ng/ml



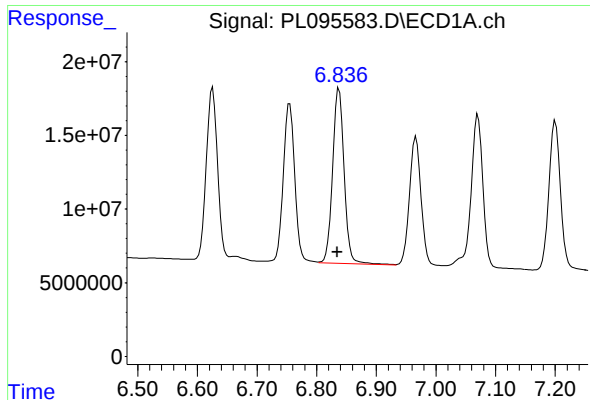
#14 Endrin

R.T.: 6.626 min
Delta R.T.: 0.003 min
Response: 147306644
Conc: 46.25 ng/ml



#14 Endrin

R.T.: 5.812 min
Delta R.T.: 0.005 min
Response: 206882116
Conc: 56.82 ng/ml



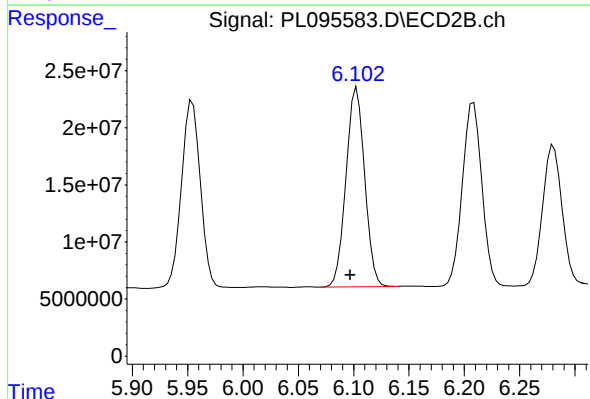
#15 Endosulfan II

R.T.: 6.837 min
Delta R.T.: 0.003 min
Response: 159822980
Conc: 50.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

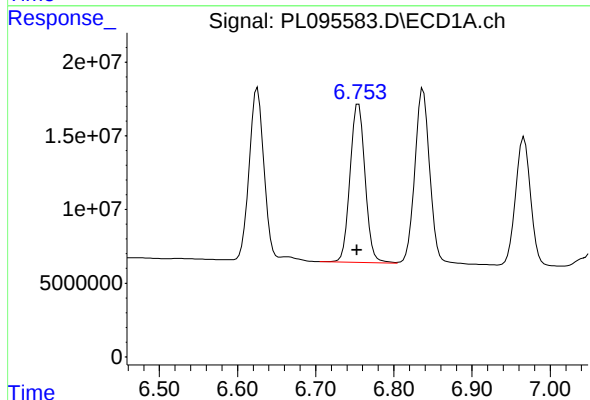
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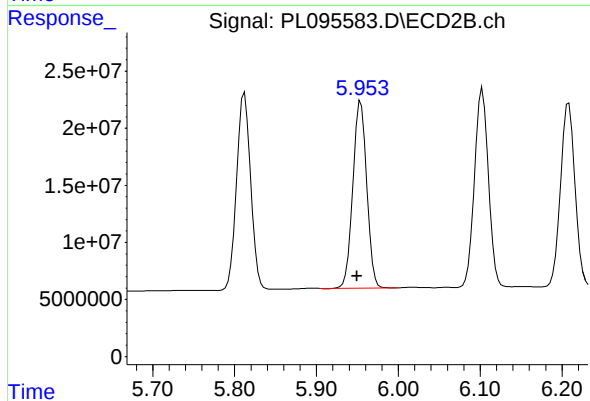
#15 Endosulfan II

R.T.: 6.103 min
Delta R.T.: 0.006 min
Response: 205006657
Conc: 57.09 ng/ml



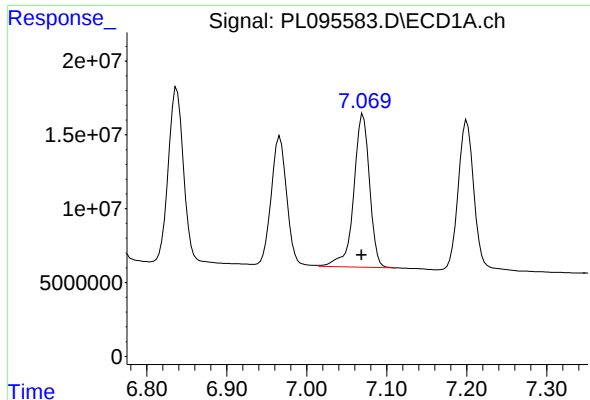
#16 4,4'-DDD

R.T.: 6.755 min
Delta R.T.: 0.002 min
Response: 143430923
Conc: 50.67 ng/ml



#16 4,4'-DDD

R.T.: 5.954 min
Delta R.T.: 0.005 min
Response: 193821718
Conc: 59.33 ng/ml



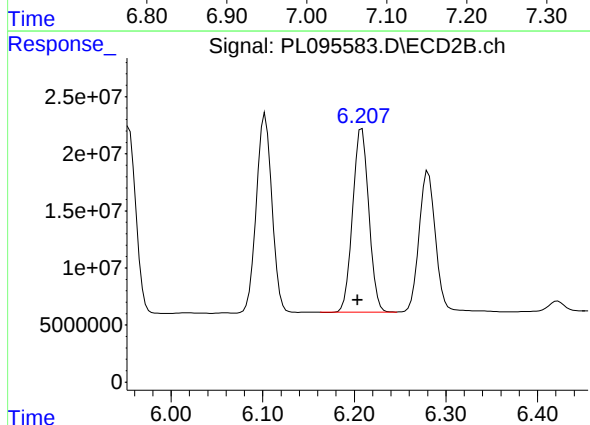
#17 4,4'-DDT

R.T.: 7.071 min
Delta R.T.: 0.002 min
Response: 141956098
Conc: 49.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

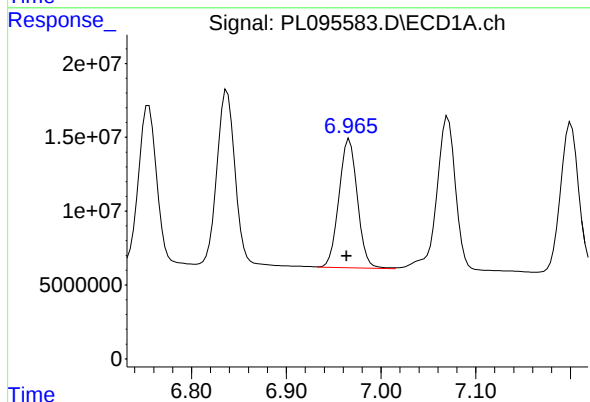
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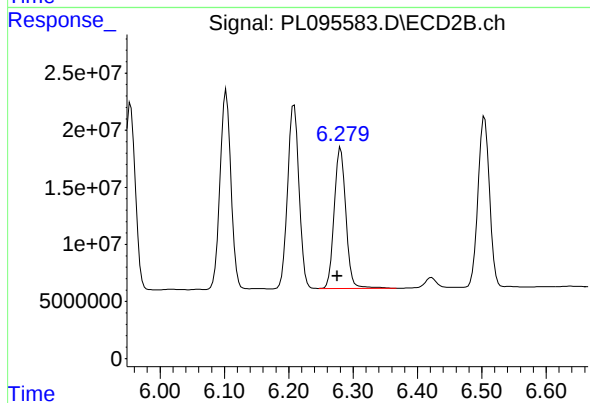
#17 4,4'-DDT

R.T.: 6.208 min
Delta R.T.: 0.005 min
Response: 197778765
Conc: 57.56 ng/ml



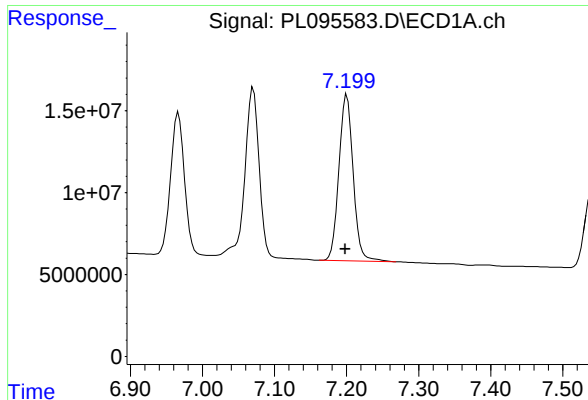
#18 Endrin aldehyde

R.T.: 6.967 min
Delta R.T.: 0.003 min
Response: 117806728
Conc: 50.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.281 min
Delta R.T.: 0.005 min
Response: 155891598
Conc: 59.66 ng/ml



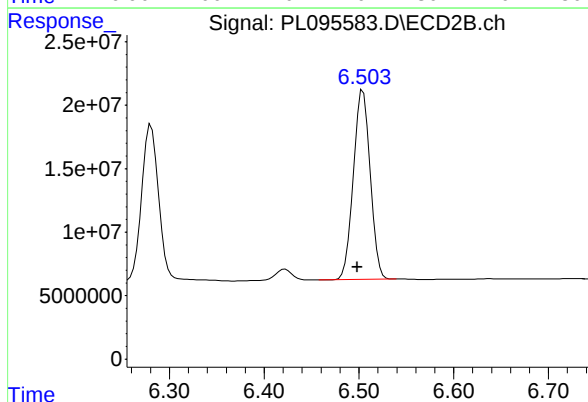
#19 Endosulfan Sulfate

R.T.: 7.200 min
Delta R.T.: 0.002 min
Response: 138798695
Conc: 49.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

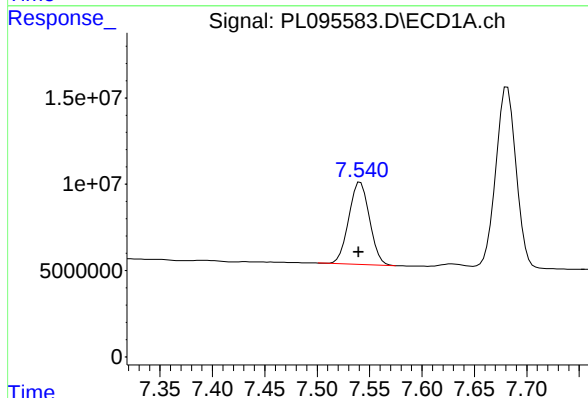
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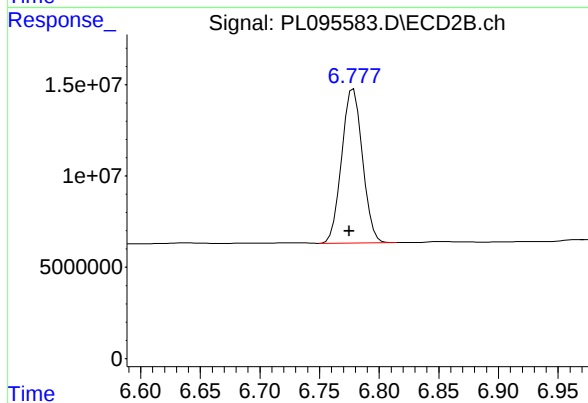
#19 Endosulfan Sulfate

R.T.: 6.504 min
Delta R.T.: 0.006 min
Response: 184660551
Conc: 55.66 ng/ml



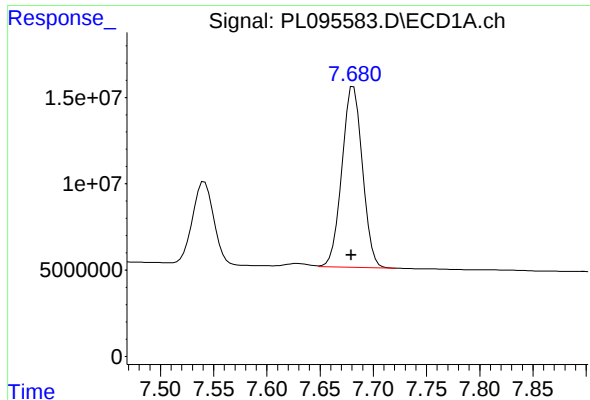
#20 Methoxychlor

R.T.: 7.541 min
Delta R.T.: 0.002 min
Response: 65706391
Conc: 47.10 ng/ml



#20 Methoxychlor

R.T.: 6.779 min
Delta R.T.: 0.004 min
Response: 102414077
Conc: 53.69 ng/ml



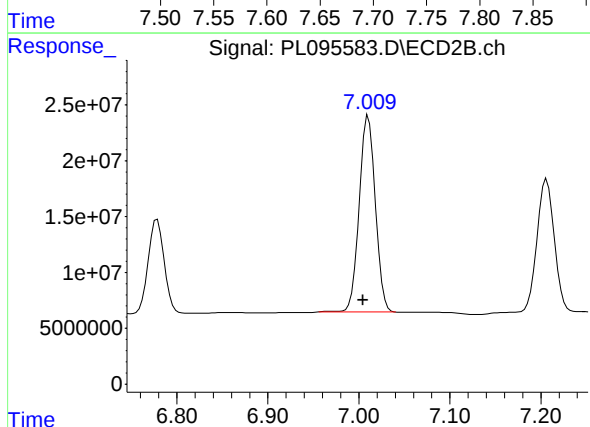
#21 Endrin ketone

R.T.: 7.681 min
Delta R.T.: 0.002 min
Response: 139863809
Conc: 49.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

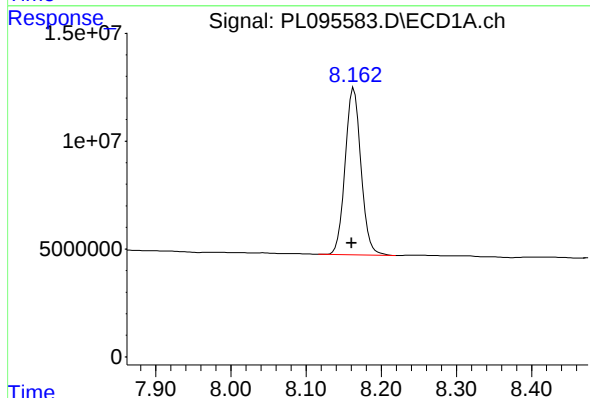
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/09/2025
Supervised By :mohammad ahmed 05/12/2025



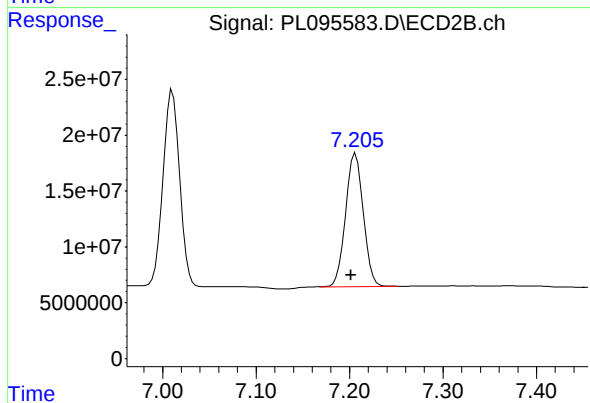
#21 Endrin ketone

R.T.: 7.011 min
Delta R.T.: 0.006 min
Response: 217921257
Conc: 61.89 ng/ml



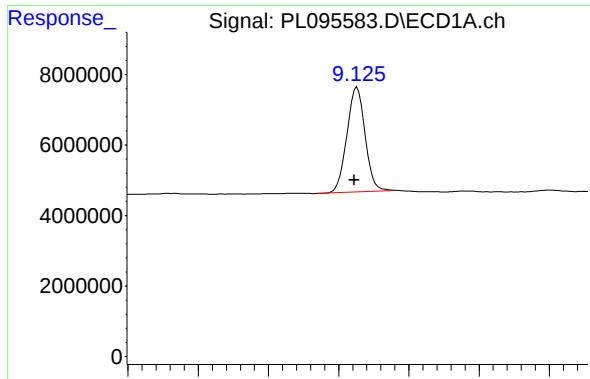
#22 Mirex

R.T.: 8.164 min
Delta R.T.: 0.003 min
Response: 113482659
Conc: 47.76 ng/ml



#22 Mirex

R.T.: 7.205 min
Delta R.T.: 0.003 min
Response: 158163299
Conc: 54.87 ng/ml m



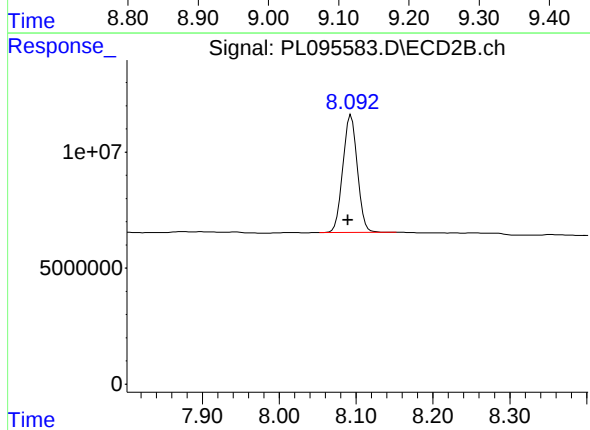
#28 Decachlorobiphenyl

R.T.: 9.126 min
Delta R.T.: 0.004 min
Response: 53656264
Conc: 19.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167902BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.093 min
Delta R.T.: 0.004 min
Response: 65774192
Conc: 22.23 ng/ml