

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061825\
 Data File : PL096109.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 17:04
 Operator : AR\AJ
 Sample : Q2347-01MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP-10MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/19/2025
 Supervised By :mohammad ahmed 06/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 19 01:30:06 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 17 17:11:36 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...	3.569	2.882	71052622	88990282	19.526m	18.762
2) SA Decachlor...	9.115	8.064	47881939	90026362	16.721	14.936
Target Compounds						
2) A alpha-BHC	4.022	3.391	246.8E6	319.7E6	43.567	44.439
3) MA gamma-BHC...	4.354	3.724	234.1E6	299.7E6	44.247	43.735
4) MA Heptachlor	4.951	4.076	199.5E6	283.1E6	41.053	40.591
5) MB Aldrin	5.293	4.360	225.4E6	281.4E6	44.203	42.772
6) B beta-BHC	4.541	4.020	96768383	127.1E6	42.918	41.967
7) B delta-BHC	4.789	4.255	226.2E6	297.8E6	43.515	43.339
8) B Heptachlo...	5.714	4.863	194.5E6	261.5E6	42.835	42.408
9) A Endosulfan I	6.098	5.236	181.4E6	261.4E6	42.236	40.766
10) B gamma-Chl...	5.969	5.116	198.9E6	285.7E6	42.717	42.960
11) B alpha-Chl...	6.051	5.180	197.2E6	286.9E6	42.593	42.081
12) B 4,4'-DDE	6.221	5.368	181.7E6	277.8E6	41.962	42.347
13) MA Dieldrin	6.372	5.501	193.1E6	277.8E6	41.784	42.347
14) MA Endrin	6.599	5.777	152.5E6	243.1E6	40.118	40.959
15) B Endosulfa...	6.812	6.069	157.3E6	255.7E6	39.725	43.000
16) A 4,4'-DDD	6.732	5.922	153.1E6	229.0E6	43.882	41.629
17) MA 4,4'-DDT	7.048	6.177	121.0E6	205.1E6	34.641	34.182
18) B Endrin al...	6.942	6.248	116.3E6	180.9E6	40.933	40.321
19) B Endosulfa...	7.176	6.472	140.5E6	224.2E6	38.758m	39.436
20) A Methoxychlor	7.524	6.749	60053266	111.4E6	33.728	33.956
21) B Endrin ke...	7.659	6.979	152.9E6	264.4E6	39.267	39.836
22) Mirex	8.142	7.170	114.9E6	206.6E6	38.775	37.004m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061825\
Data File : PL096109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 17:04
Operator : AR\AJ
Sample : Q2347-01MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

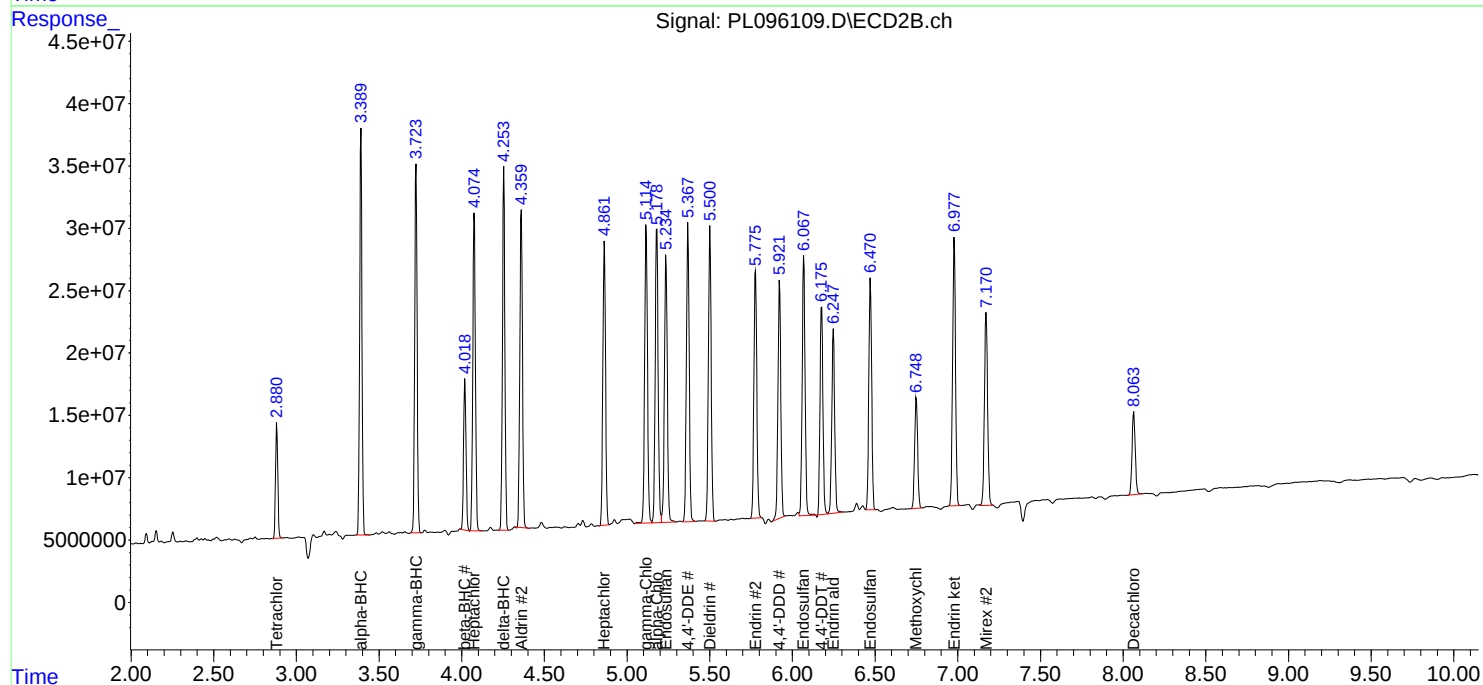
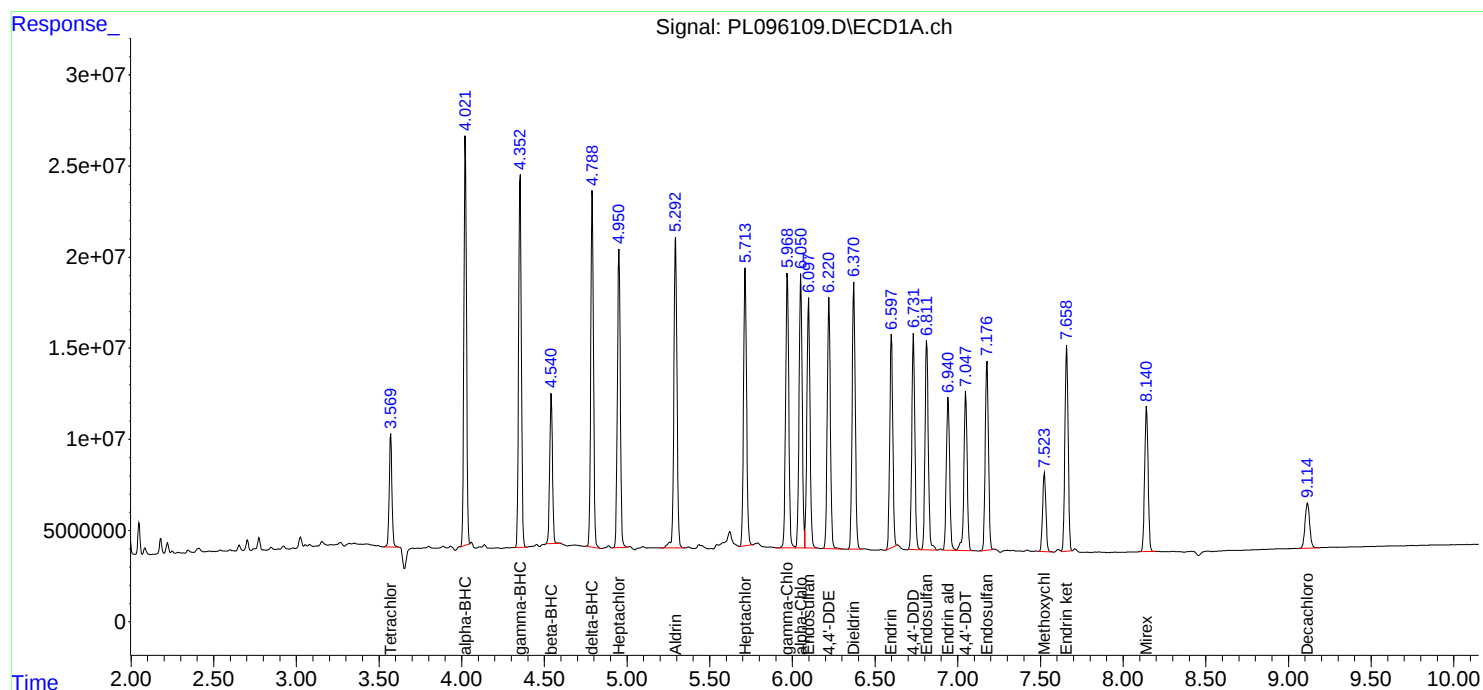
Instrument :
ECD_L
ClientSampleId :
TP-10MSD

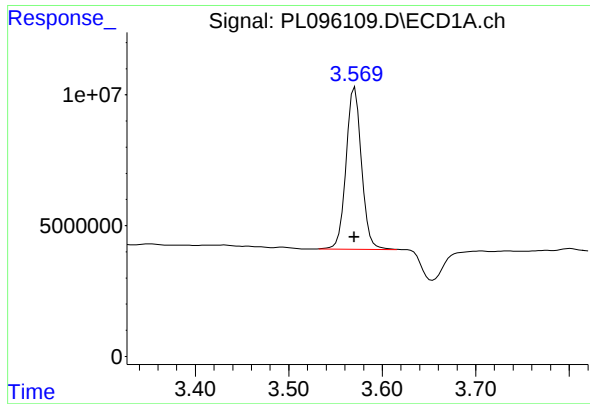
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 01:30:06 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061725.M
Quant Title : GC Extractables
QLast Update : Tue Jun 17 17:11:36 2025
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Volume 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





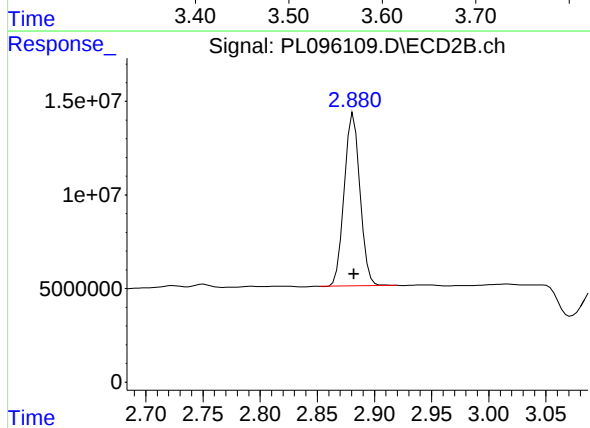
#1 Tetrachloro-m-xylene

R.T.: 3.569 min
Delta R.T.: 0.000 min
Response: 71052622
Conc: 19.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

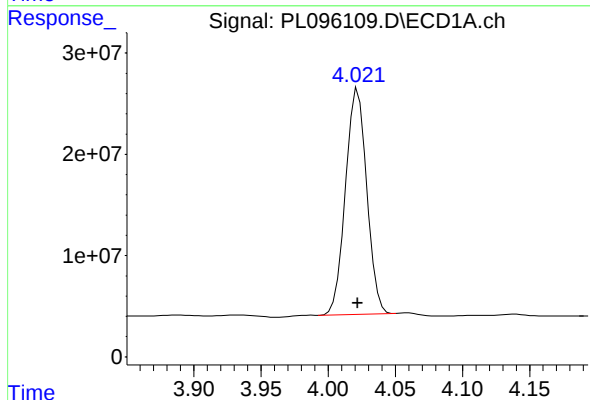
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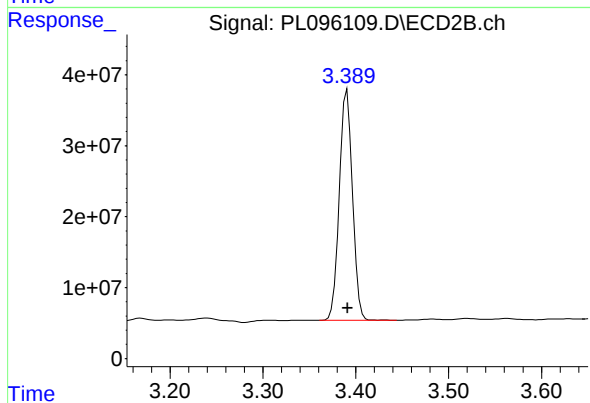
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 88990282
Conc: 18.76 ng/ml



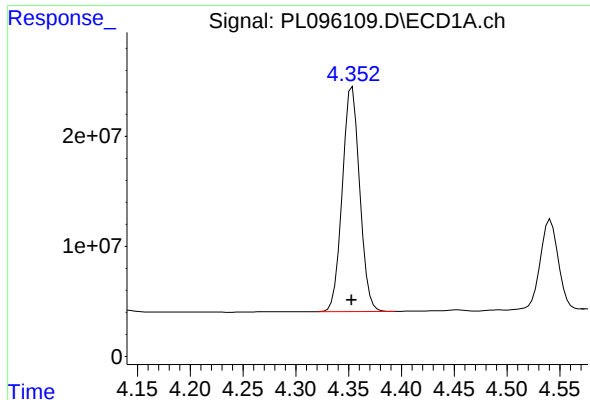
#2 alpha-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 246768259
Conc: 43.57 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 319744260
Conc: 44.44 ng/ml



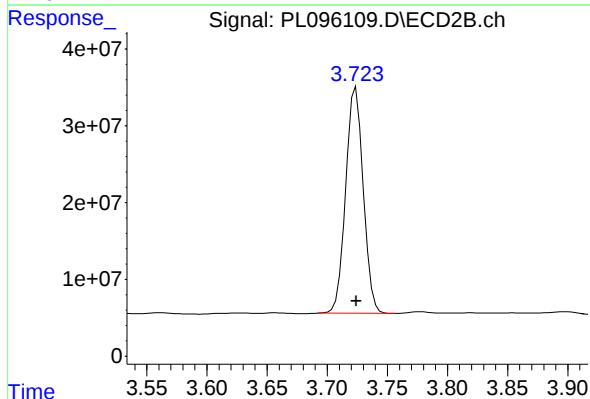
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 234127568
Conc: 44.25 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

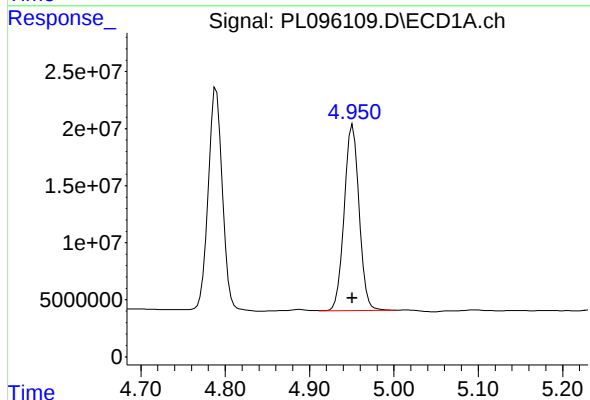
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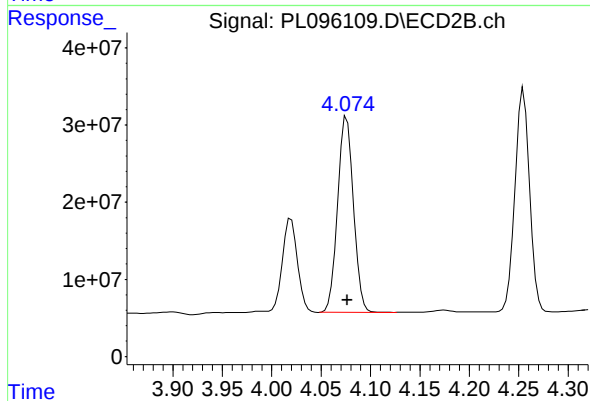
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 299678257
Conc: 43.74 ng/ml



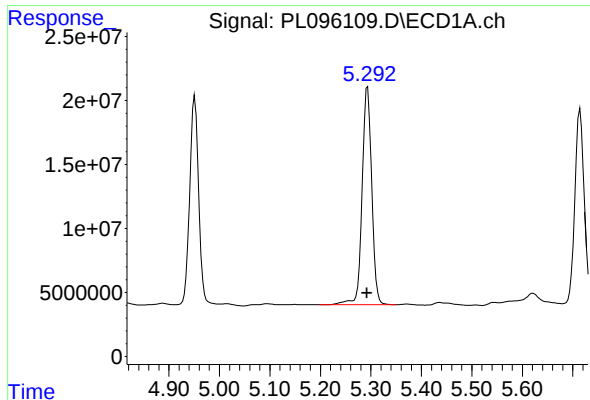
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: 0.000 min
Response: 199528067
Conc: 41.05 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 283083102
Conc: 40.59 ng/ml



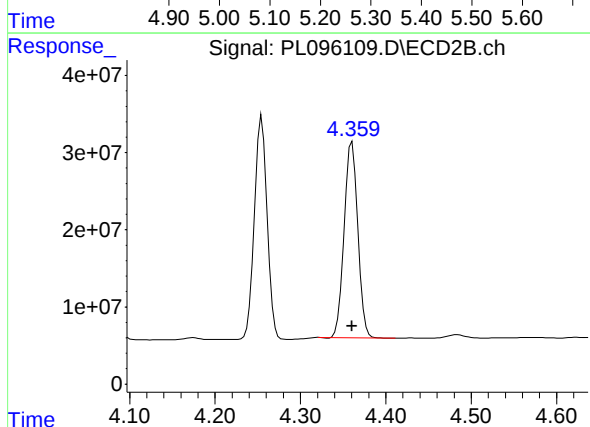
#5 Aldrin

R.T.: 5.293 min
Delta R.T.: 0.000 min
Response: 225354758
Conc: 44.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

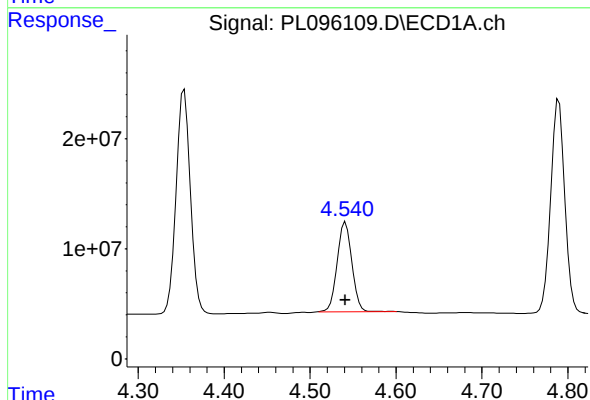
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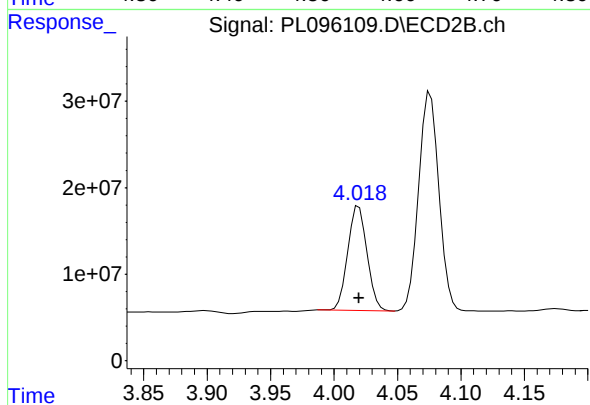
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 281402416
Conc: 42.77 ng/ml



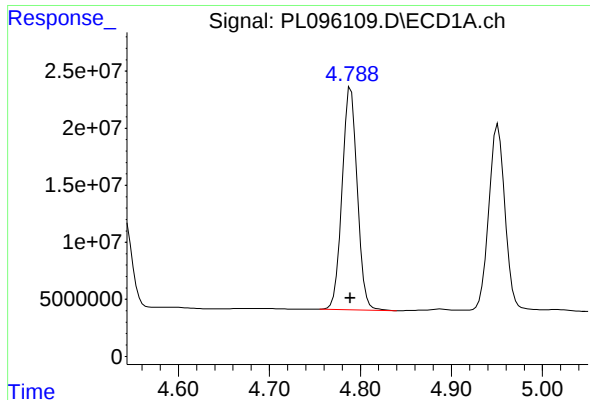
#6 beta-BHC

R.T.: 4.541 min
Delta R.T.: 0.000 min
Response: 96768383
Conc: 42.92 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 127146827
Conc: 41.97 ng/ml



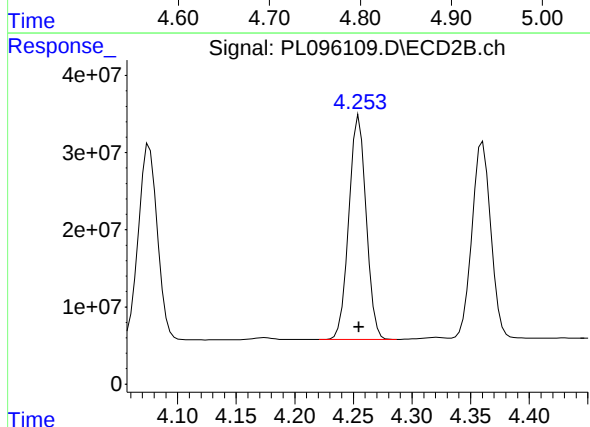
#7 delta-BHC

R.T.: 4.789 min
Delta R.T.: 0.000 min
Response: 226214990
Conc: 43.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

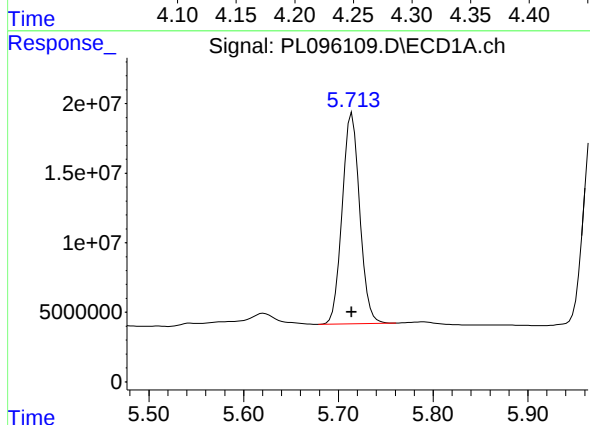
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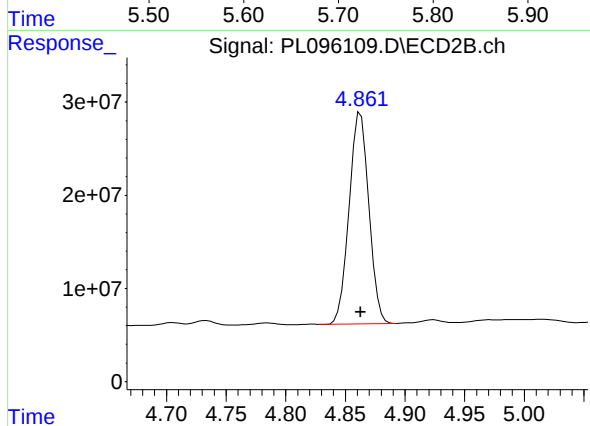
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 297835434
Conc: 43.34 ng/ml



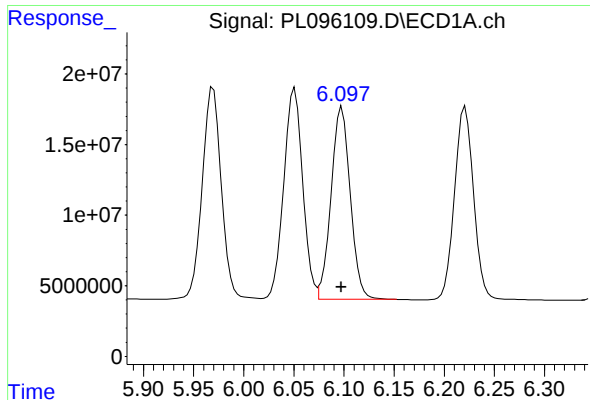
#8 Heptachlor epoxide

R.T.: 5.714 min
Delta R.T.: 0.000 min
Response: 194480131
Conc: 42.83 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 261508929
Conc: 42.41 ng/ml



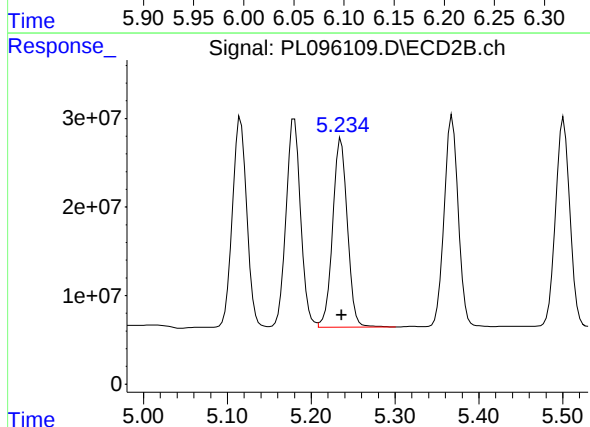
#9 Endosulfan I

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 181404677
Conc: 42.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

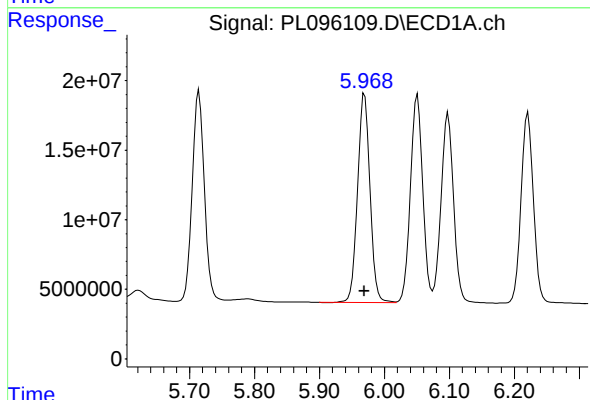
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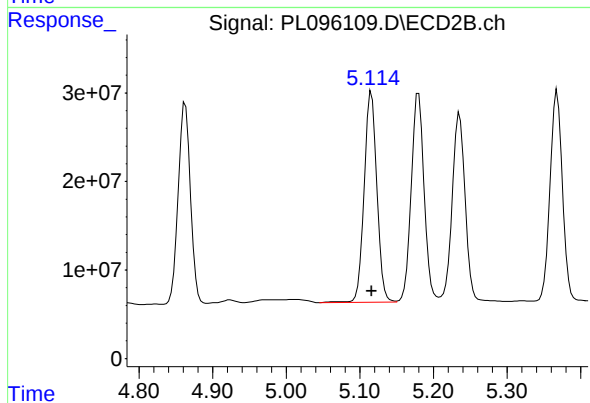
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: 0.000 min
Response: 261404376
Conc: 40.77 ng/ml



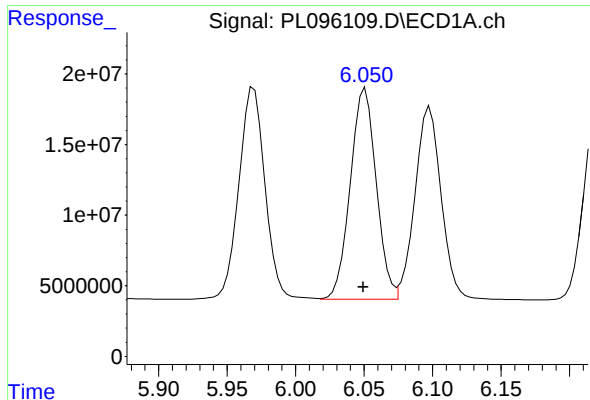
#10 gamma-Chlordane

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 198946603
Conc: 42.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 285748508
Conc: 42.96 ng/ml



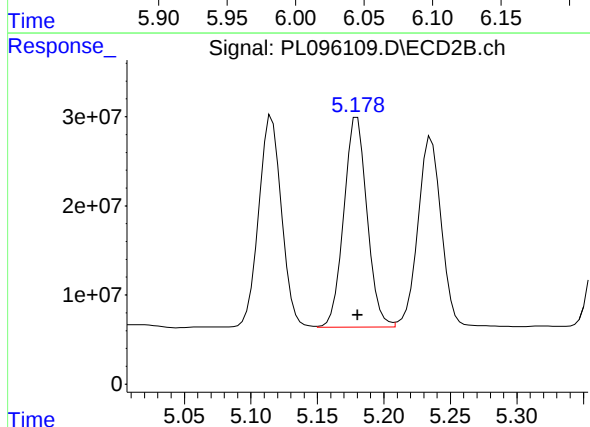
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: 0.002 min
Response: 197172837
Conc: 42.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

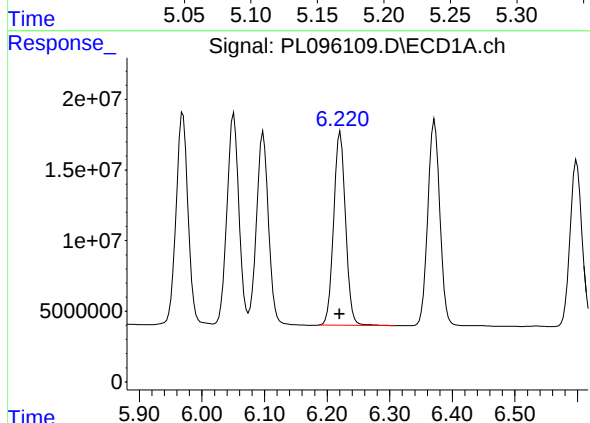
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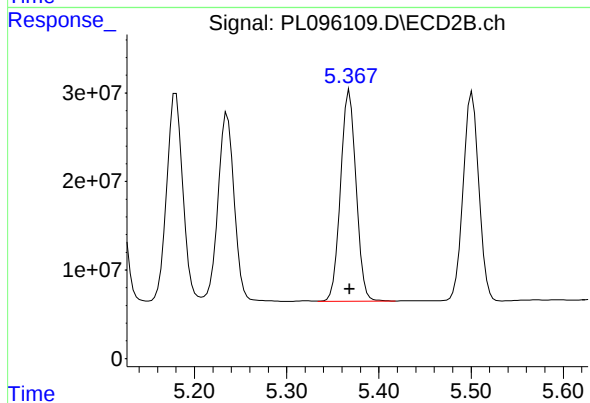
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: 0.000 min
Response: 286886361
Conc: 42.08 ng/ml



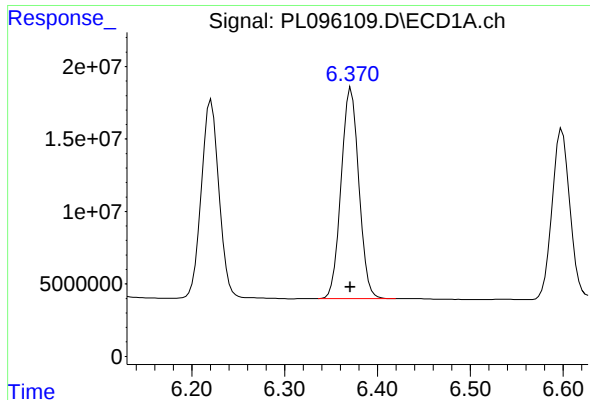
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: 0.001 min
Response: 181722414
Conc: 41.96 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 277786454
Conc: 42.35 ng/ml



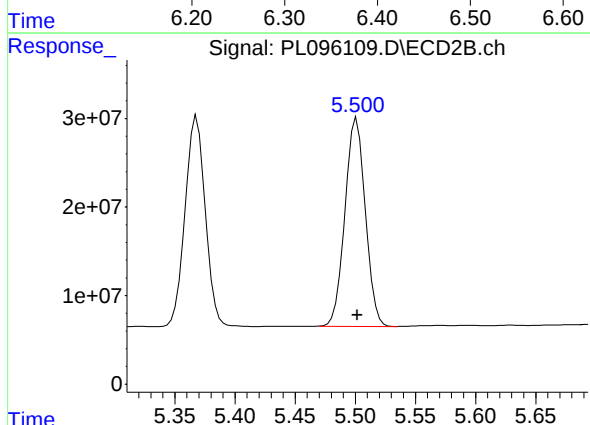
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: 0.000 min
Response: 193140460
Conc: 41.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

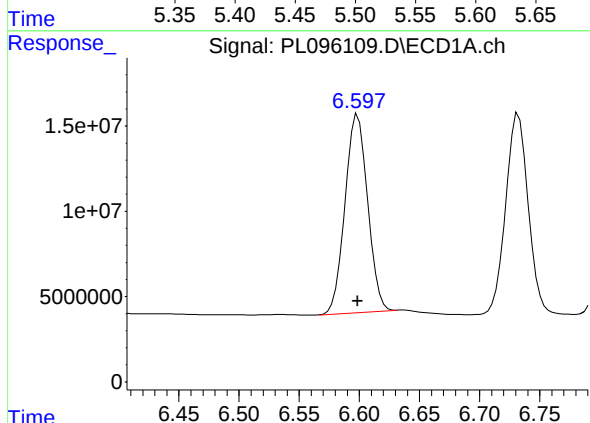
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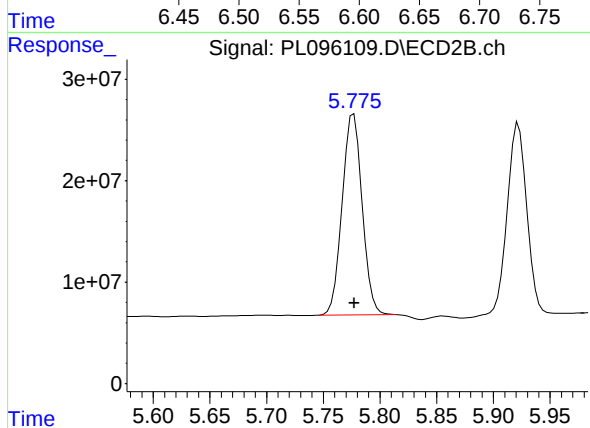
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: 0.000 min
Response: 277842725
Conc: 42.35 ng/ml



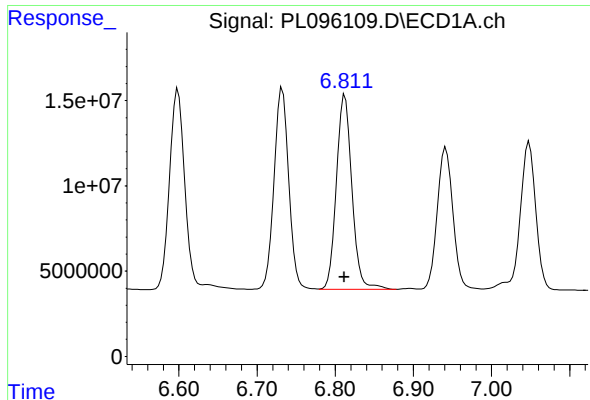
#14 Endrin

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 152488865
Conc: 40.12 ng/ml



#14 Endrin

R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 243097027
Conc: 40.96 ng/ml



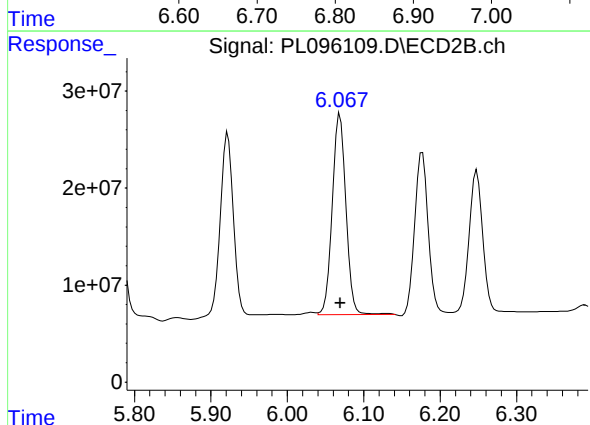
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: 0.000 min
Response: 157342372
Conc: 39.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

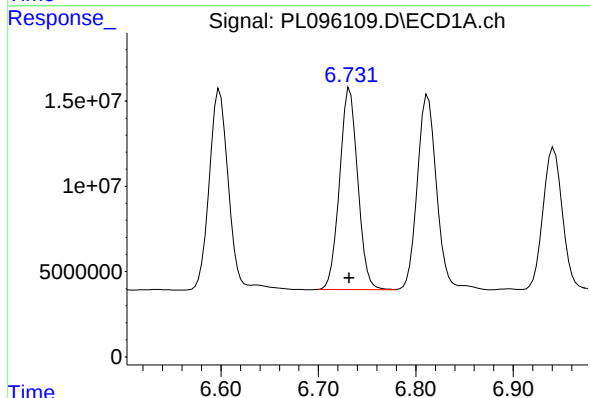
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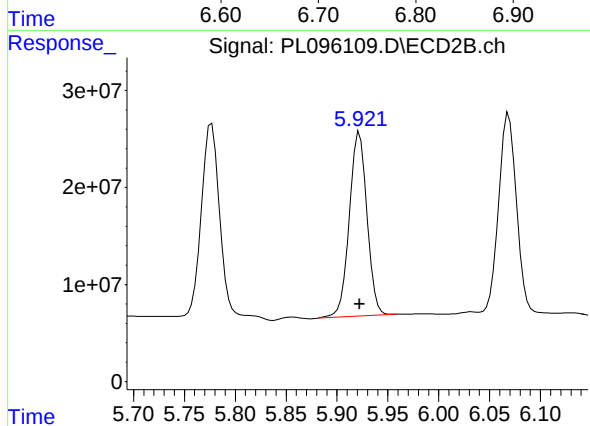
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 255661193
Conc: 43.00 ng/ml



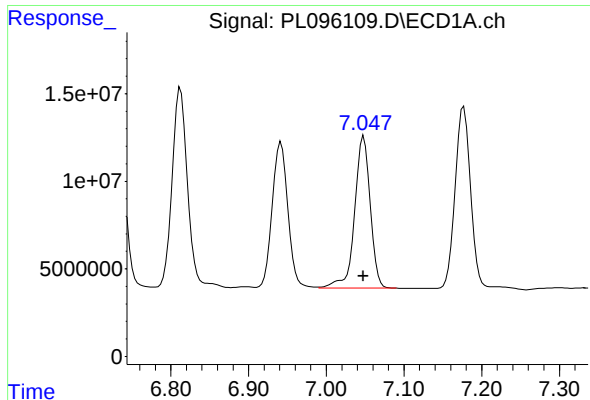
#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 153068829
Conc: 43.88 ng/ml



#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: 0.000 min
Response: 228998430
Conc: 41.63 ng/ml



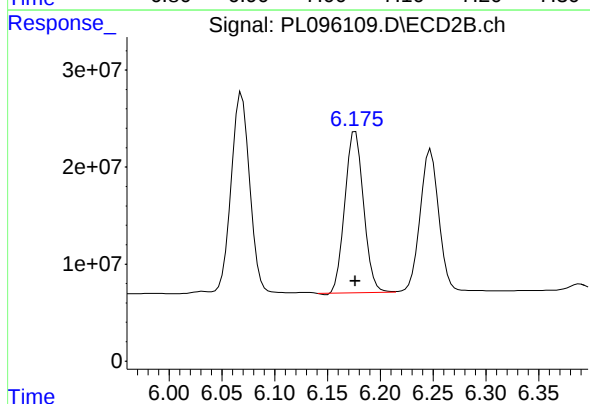
#17 4,4'-DDT

R.T.: 7.048 min
Delta R.T.: 0.000 min
Response: 120974967
Conc: 34.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

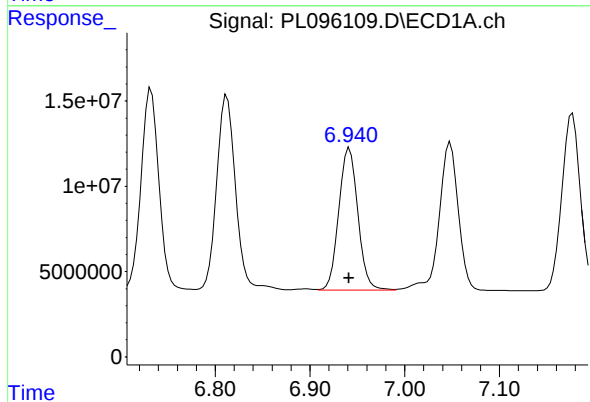
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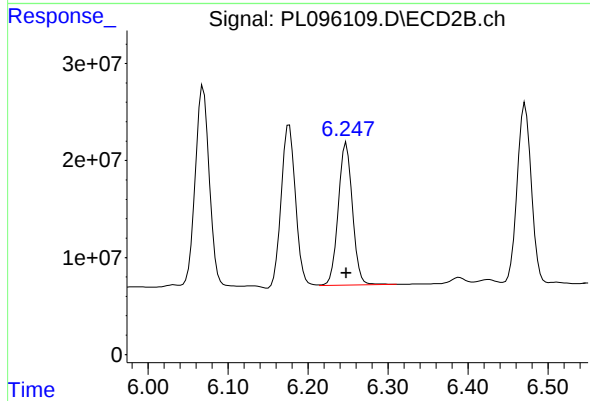
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 205091634
Conc: 34.18 ng/ml



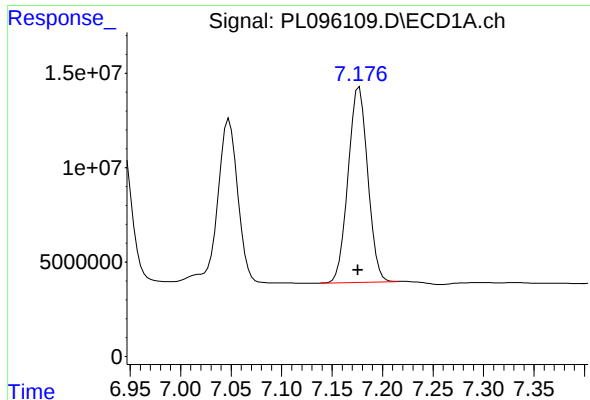
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 116256364
Conc: 40.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: 0.000 min
Response: 180883747
Conc: 40.32 ng/ml



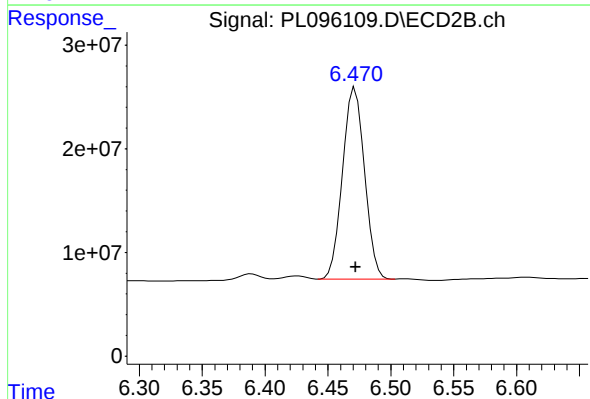
#19 Endosulfan Sulfate

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 140548211
Conc: 38.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

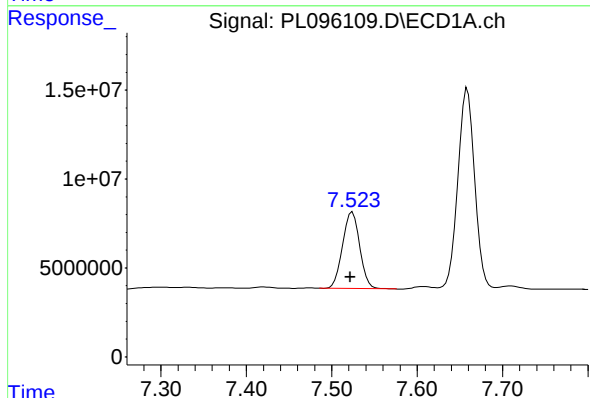
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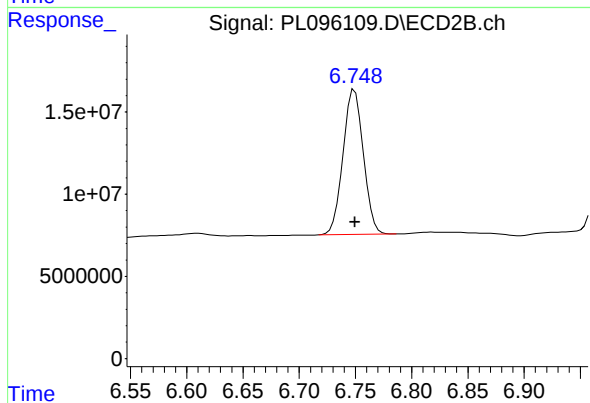
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: 0.000 min
Response: 224205925
Conc: 39.44 ng/ml



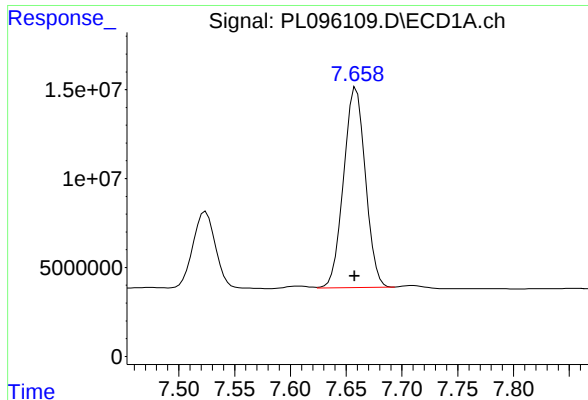
#20 Methoxychlor

R.T.: 7.524 min
Delta R.T.: 0.002 min
Response: 60053266
Conc: 33.73 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 111392412
Conc: 33.96 ng/ml



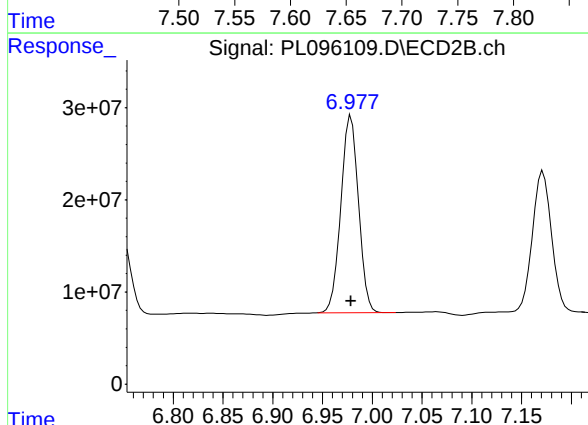
#21 Endrin ketone

R.T.: 7.659 min
Delta R.T.: 0.001 min
Response: 152918876
Conc: 39.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

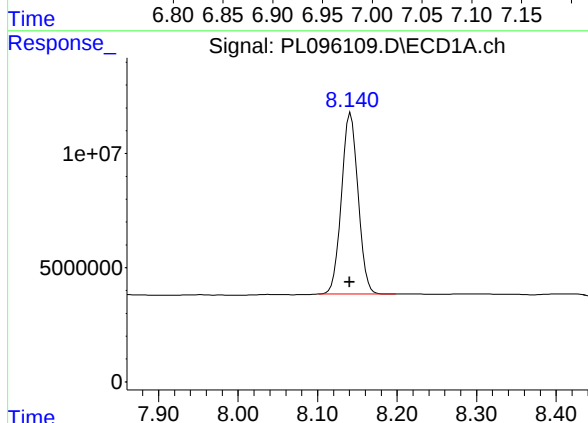
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



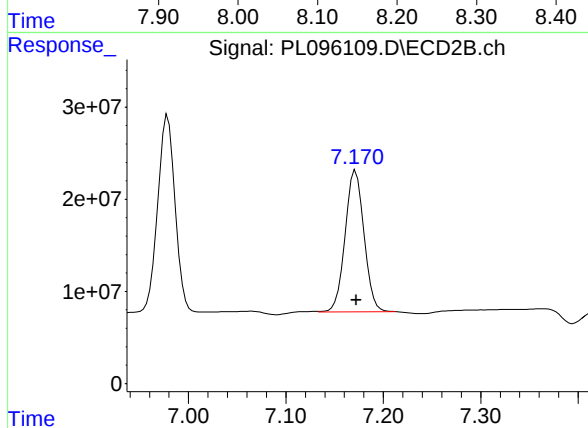
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 264356977
Conc: 39.84 ng/ml



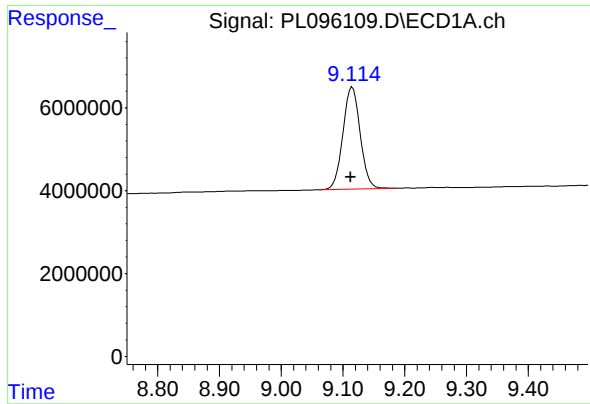
#22 Mirex

R.T.: 8.142 min
Delta R.T.: 0.001 min
Response: 114883080
Conc: 38.78 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.002 min
Response: 206639299
Conc: 37.00 ng/ml m



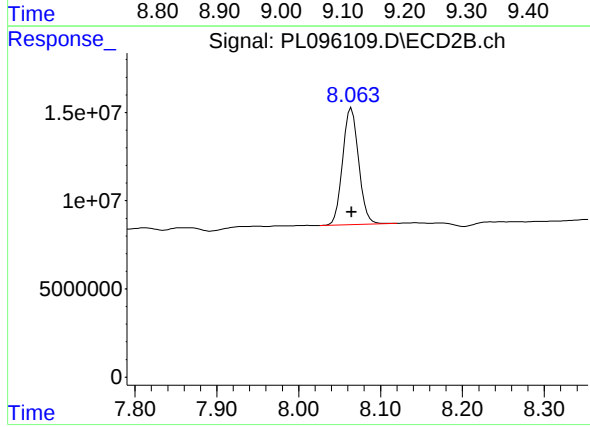
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: 0.003 min
Response: 47881939
Conc: 16.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP-10MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 90026362
Conc: 14.94 ng/ml