

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
 Data File : PL096516.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Jul 2025 16:49
 Operator : AR\AJ
 Sample : PB168947BS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168947BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/23/2025
 Supervised By : mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 23 01:48:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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...	3.535	2.825	74838883	136.2E6	20.510	23.608
28) SA Decachlor...	9.020	7.994	62788970	119.3E6	22.321	23.917
Target Compounds						
2) A alpha-BHC	3.983	3.330	248.7E6	457.9E6	48.357	54.287
3) MA gamma-BHC...	4.312	3.663	235.8E6	424.6E6	47.358	53.911
4) MA Heptachlor	4.904	4.013	228.2E6	409.6E6	49.816	53.838
5) MB Aldrin	5.243	4.295	228.4E6	390.8E6	47.256m	53.565
6) B beta-BHC	4.498	3.959	100.2E6	176.7E6	48.189	51.621
7) B delta-BHC	4.744	4.193	223.0E6	415.9E6	49.751	53.993
8) B Heptachlo...	5.665	4.798	204.8E6	351.0E6	49.371	52.501
9) A Endosulfan I	6.046	5.169	193.8E6	324.0E6	48.010	45.168
10) B gamma-Chl...	5.918	5.050	209.5E6	376.5E6	47.345	53.642
11) B alpha-Chl...	5.999	5.114	208.1E6	366.7E6	47.519	48.763
12) B 4,4'-DDE	6.169	5.303	175.3E6	347.6E6	47.277	53.782
13) MA Dieldrin	6.319	5.433	201.0E6	363.6E6	47.545	53.318m
14) MA Endrin	6.545	5.710	164.8E6	350.1E6	52.979	57.432
15) B Endosulfa...	6.758	6.001	174.2E6	315.8E6	50.207	53.860
16) A 4,4'-DDD	6.677	5.857	157.1E6	299.8E6	53.951m	58.447
17) MA 4,4'-DDT	6.993	6.108	149.5E6	301.4E6	49.266	52.556m
18) B Endrin al...	6.887	6.180	126.8E6	238.7E6	56.711	53.578
19) B Endosulfa...	7.120	6.403	150.2E6	307.6E6	49.118	54.698
20) A Methoxychlor	7.465	6.682	79067327	159.8E6	50.189	52.597
21) B Endrin ke...	7.600	6.908	156.4E6	357.9E6	47.375	57.250
22) Mirex	8.080	7.098	132.9E6	254.0E6	47.777	51.135

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072225\
Data File : PL096516.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Jul 2025 16:49
Operator : AR\AJ
Sample : PB168947BS
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168947BS

Manual Integrations

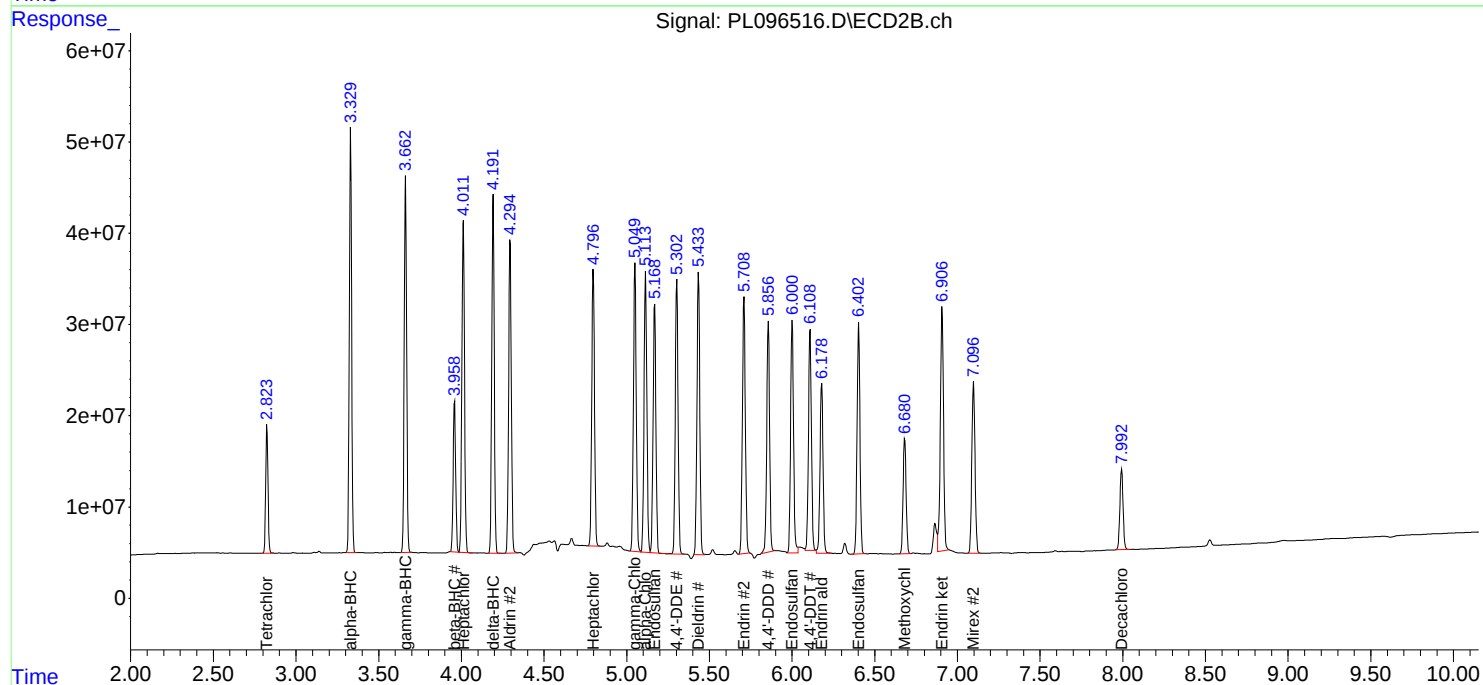
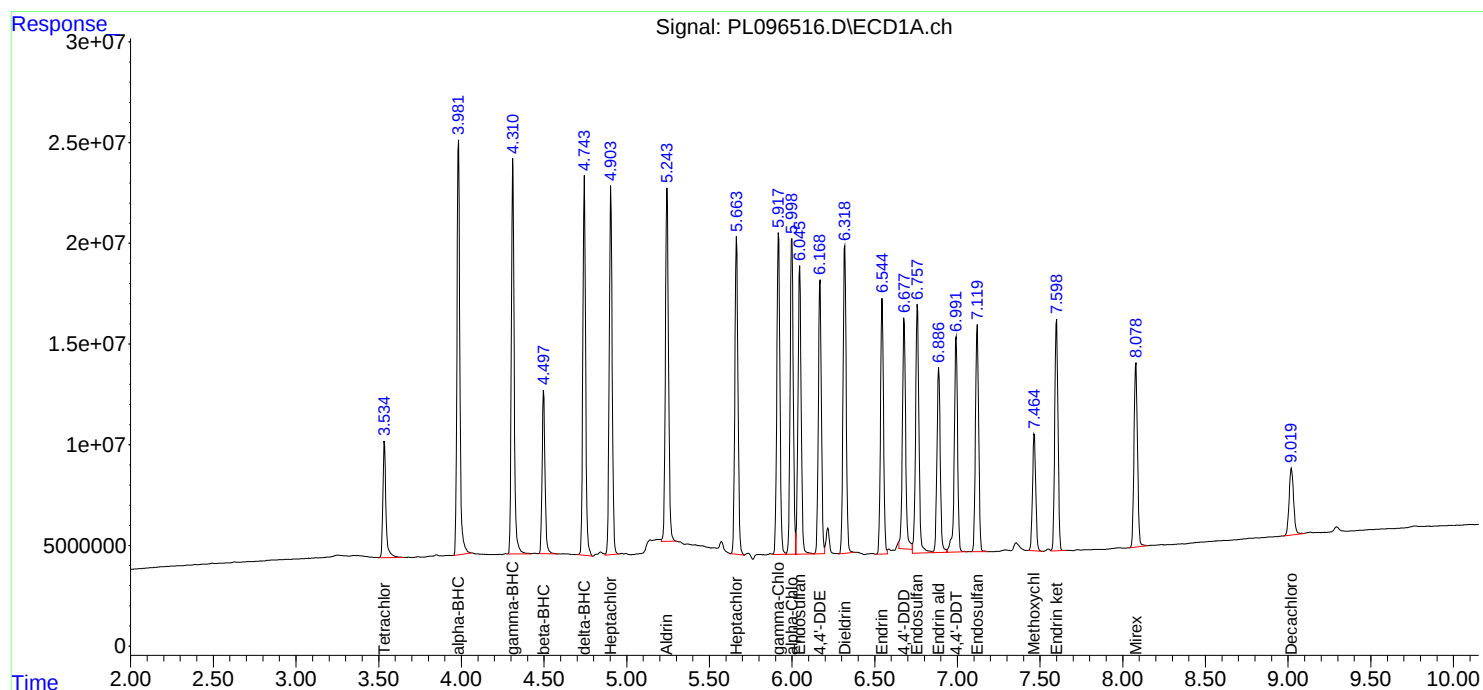
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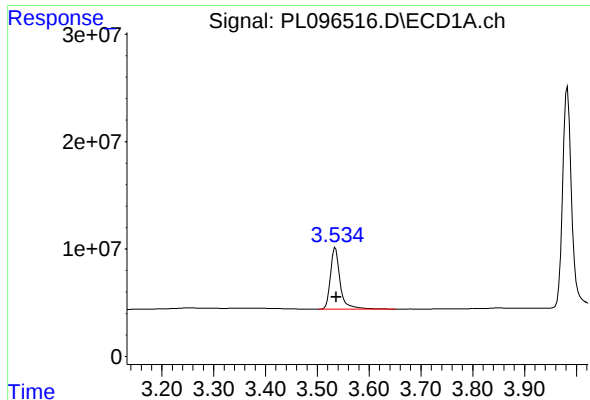
Reviewed By :Abdul Mirza 07/23/2025

Supervised By :mohammad ahmed 07/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 23 01:48:44 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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





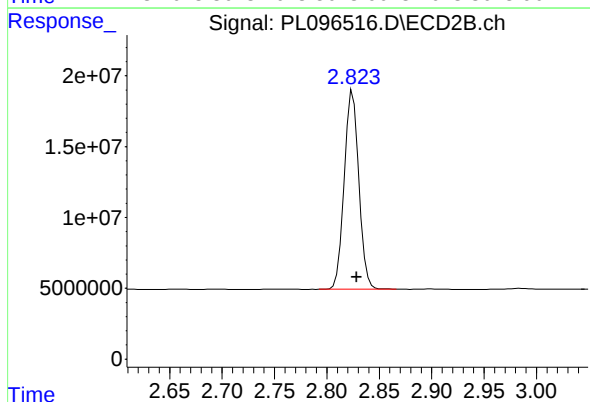
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 74838883
Conc: 20.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

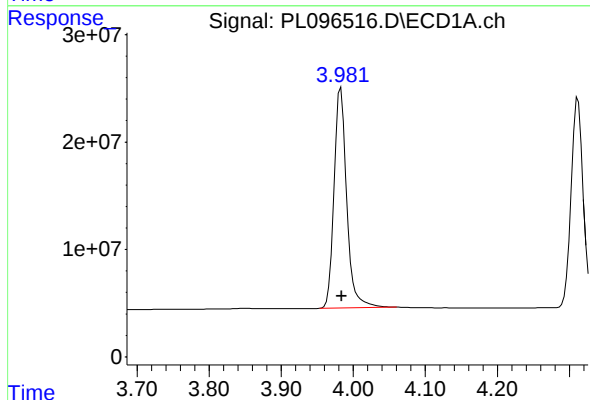
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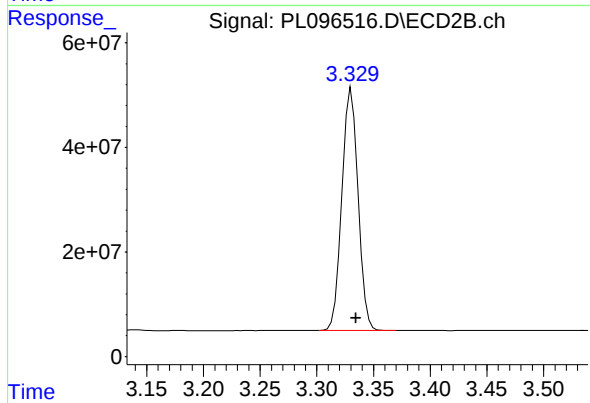
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.004 min
Response: 136245760
Conc: 23.61 ng/ml



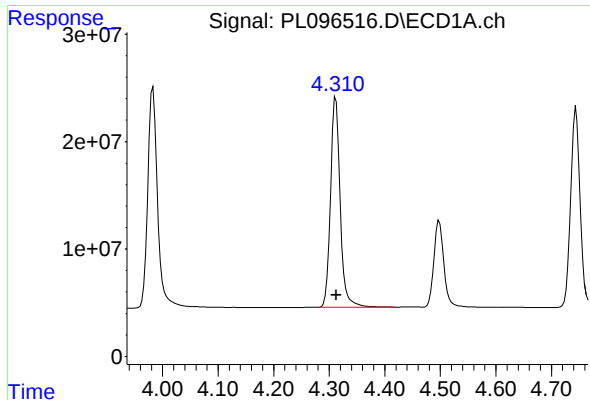
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 248708217
Conc: 48.36 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.004 min
Response: 457873785
Conc: 54.29 ng/ml



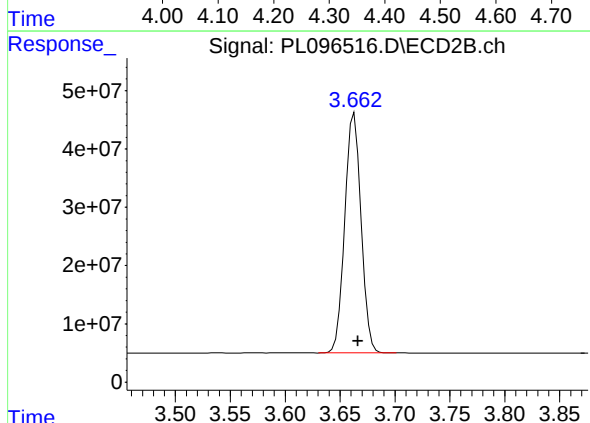
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 235826539
Conc: 47.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

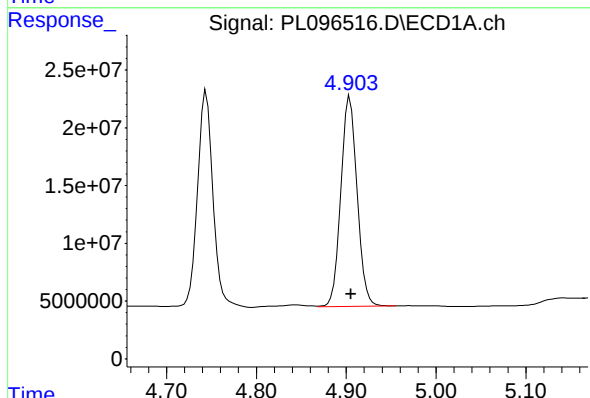
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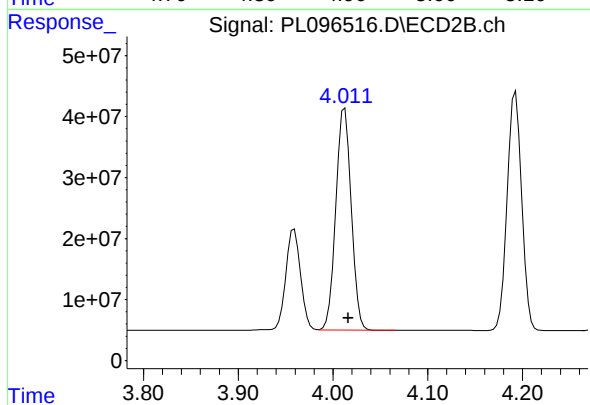
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.004 min
Response: 424596105
Conc: 53.91 ng/ml



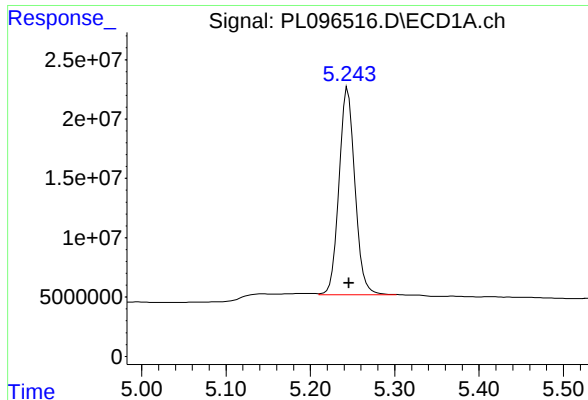
#4 Heptachlor

R.T.: 4.904 min
Delta R.T.: -0.001 min
Response: 228217913
Conc: 49.82 ng/ml



#4 Heptachlor

R.T.: 4.013 min
Delta R.T.: -0.004 min
Response: 409587316
Conc: 53.84 ng/ml



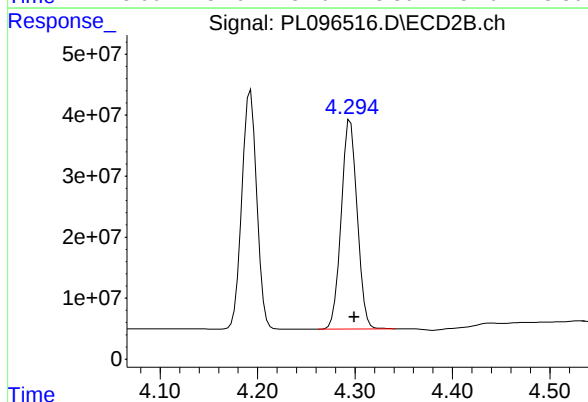
#5 Aldrin

R.T.: 5.243 min
Delta R.T.: -0.003 min
Response: 228422116
Conc: 47.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

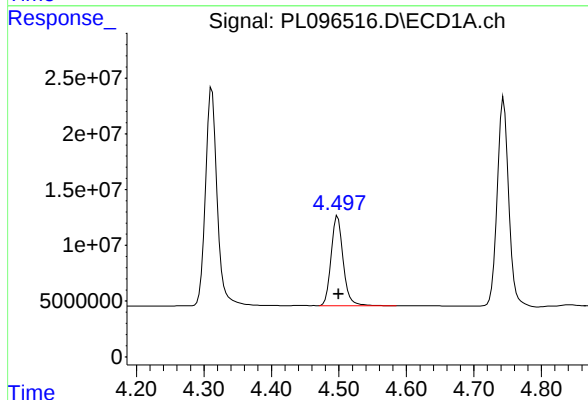
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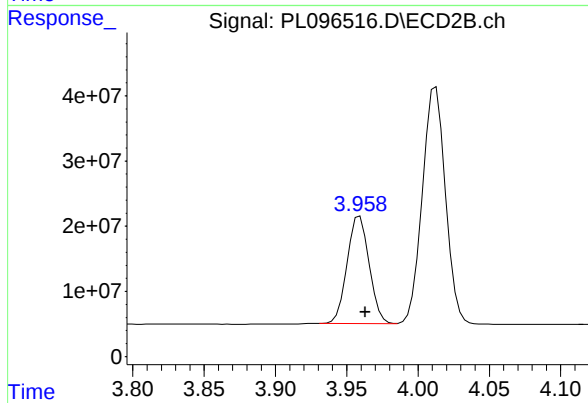
#5 Aldrin

R.T.: 4.295 min
Delta R.T.: -0.004 min
Response: 390791562
Conc: 53.57 ng/ml



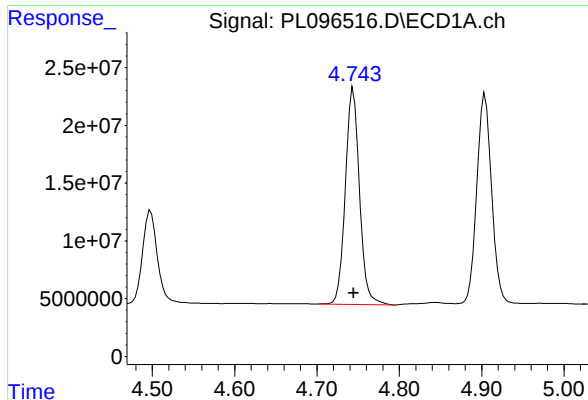
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 100175264
Conc: 48.19 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.004 min
Response: 176747282
Conc: 51.62 ng/ml



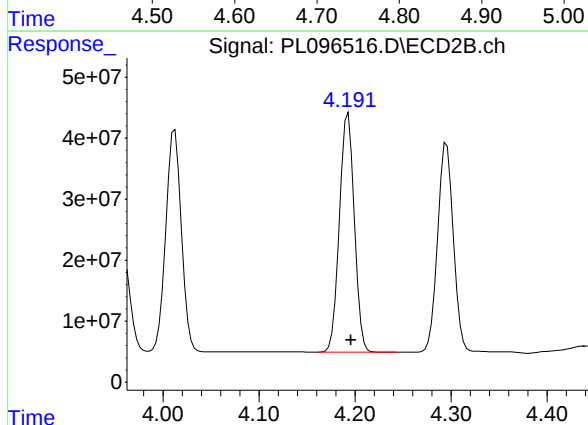
#7 delta-BHC

R.T.: 4.744 min
Delta R.T.: 0.000 min
Response: 222952168
Conc: 49.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

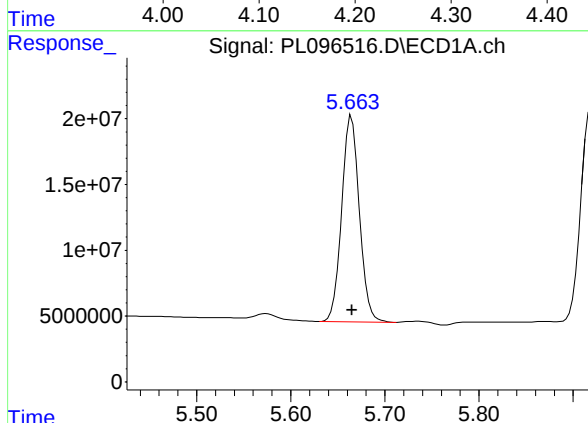
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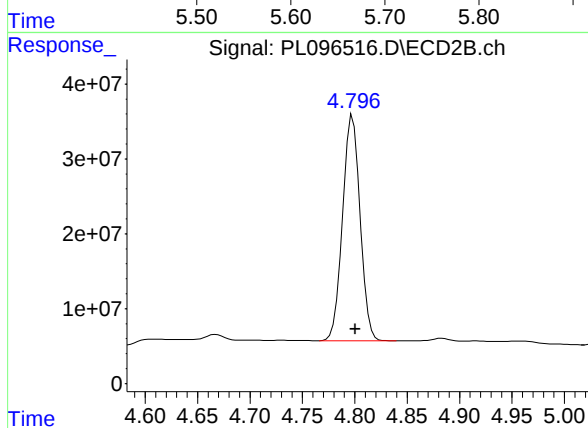
#7 delta-BHC

R.T.: 4.193 min
Delta R.T.: -0.003 min
Response: 415851246
Conc: 53.99 ng/ml



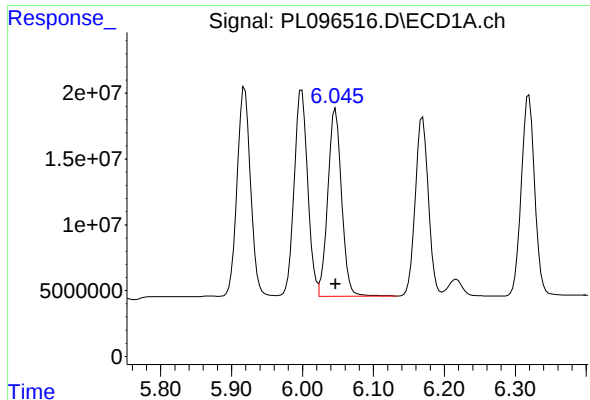
#8 Heptachlor epoxide

R.T.: 5.665 min
Delta R.T.: 0.000 min
Response: 204846479
Conc: 49.37 ng/ml



#8 Heptachlor epoxide

R.T.: 4.798 min
Delta R.T.: -0.003 min
Response: 350962036
Conc: 52.50 ng/ml



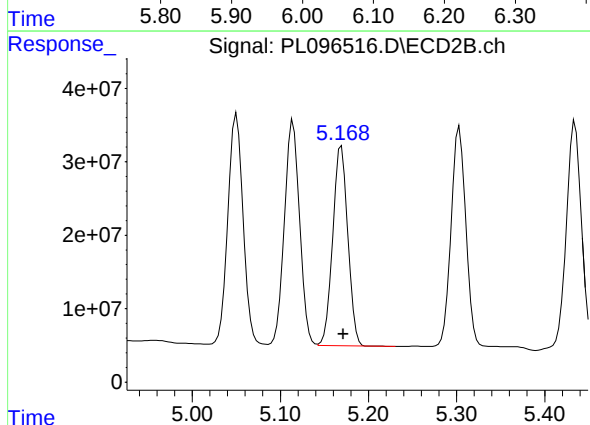
#9 Endosulfan I

R.T.: 6.046 min
Delta R.T.: 0.000 min
Response: 193826628
Conc: 48.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

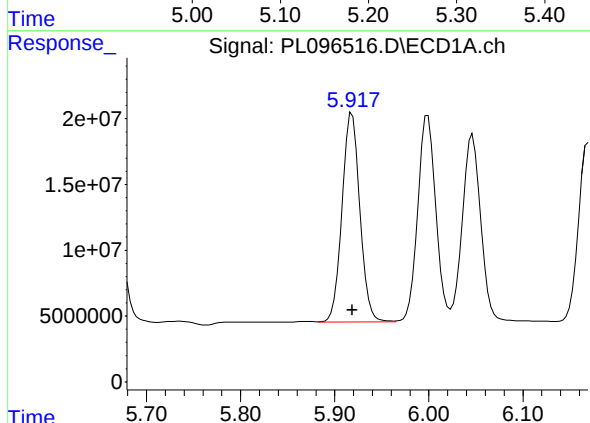
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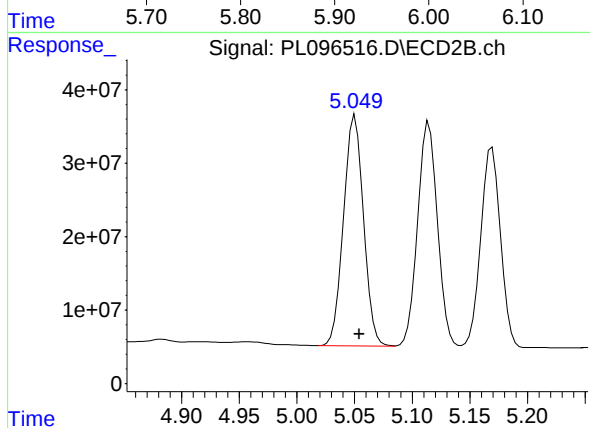
#9 Endosulfan I

R.T.: 5.169 min
Delta R.T.: -0.002 min
Response: 324041656
Conc: 45.17 ng/ml



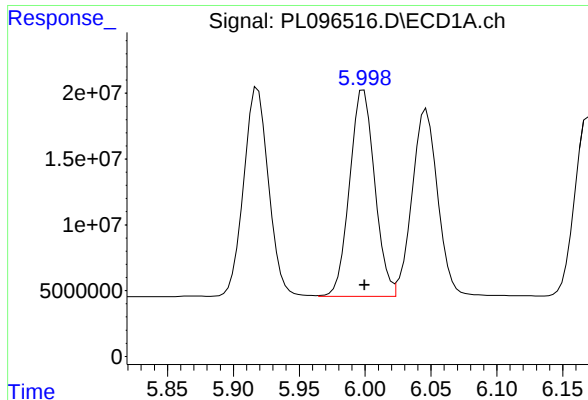
#10 gamma-Chlordane

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 209492490
Conc: 47.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.050 min
Delta R.T.: -0.004 min
Response: 376548623
Conc: 53.64 ng/ml



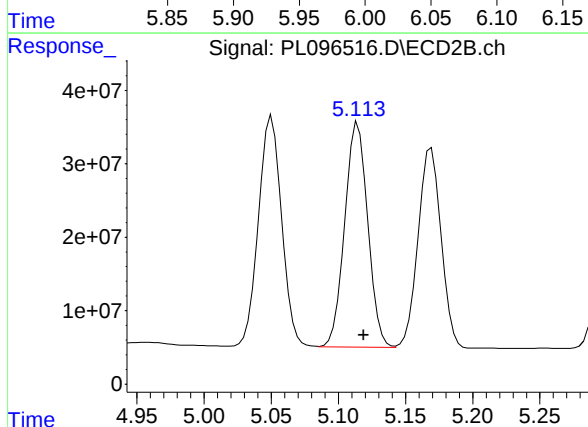
#11 alpha-Chlordane

R.T.: 5.999 min
Delta R.T.: 0.000 min
Response: 208077718
Conc: 47.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

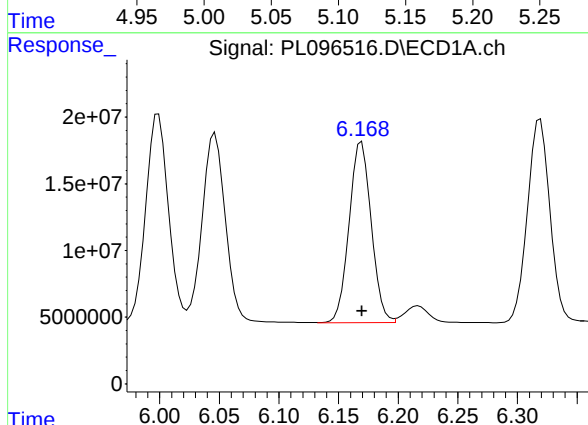
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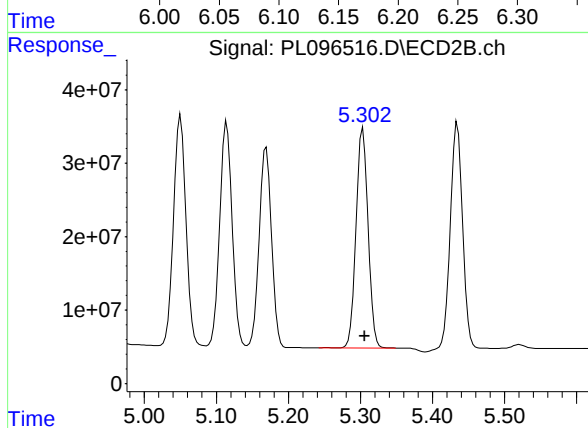
#11 alpha-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.004 min
Response: 366710537
Conc: 48.76 ng/ml



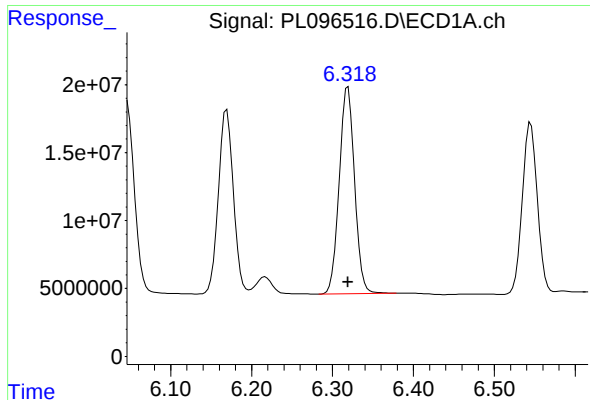
#12 4,4'-DDE

R.T.: 6.169 min
Delta R.T.: 0.000 min
Response: 175279288
Conc: 47.28 ng/ml



#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.002 min
Response: 347630863
Conc: 53.78 ng/ml



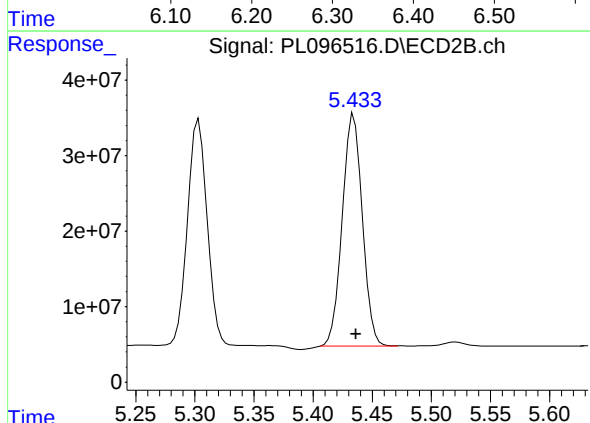
#13 Dieldrin

R.T.: 6.319 min
Delta R.T.: 0.000 min
Response: 201038794
Conc: 47.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

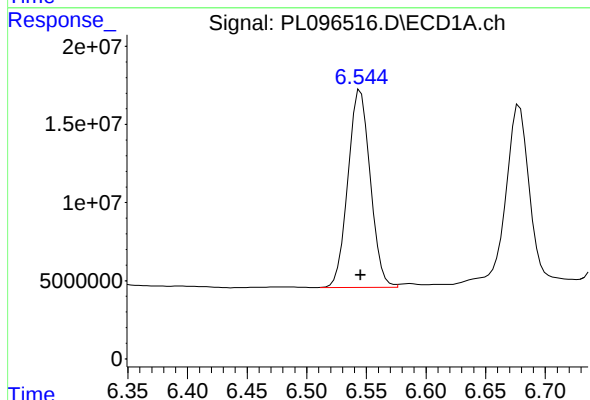
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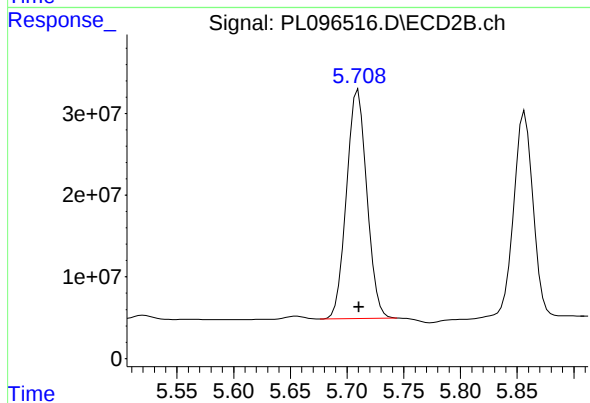
#13 Dieldrin

R.T.: 5.433 min
Delta R.T.: -0.003 min
Response: 363590297
Conc: 53.32 ng/ml



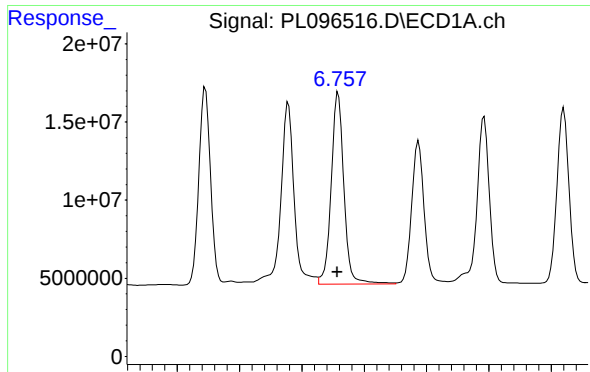
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 164774947
Conc: 52.98 ng/ml



#14 Endrin

R.T.: 5.710 min
Delta R.T.: -0.001 min
Response: 350136114
Conc: 57.43 ng/ml



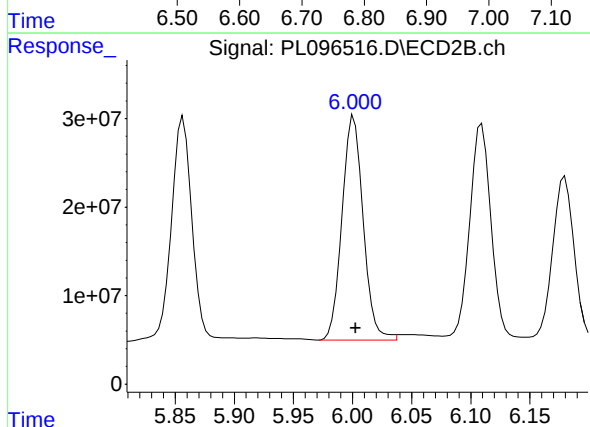
#15 Endosulfan II

R.T.: 6.758 min
Delta R.T.: 0.001 min
Response: 174222050
Conc: 50.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

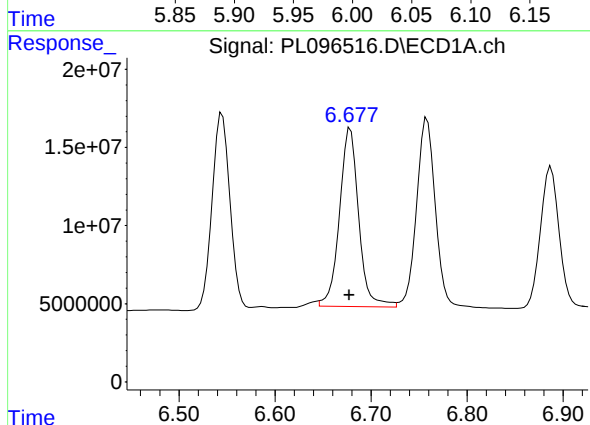
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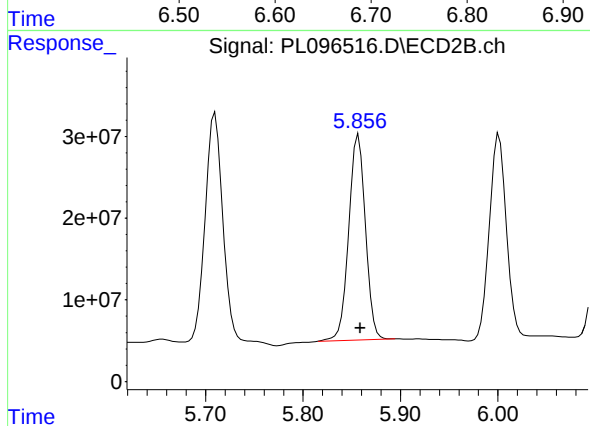
#15 Endosulfan II

R.T.: 6.001 min
Delta R.T.: -0.001 min
Response: 315828519
Conc: 53.86 ng/ml



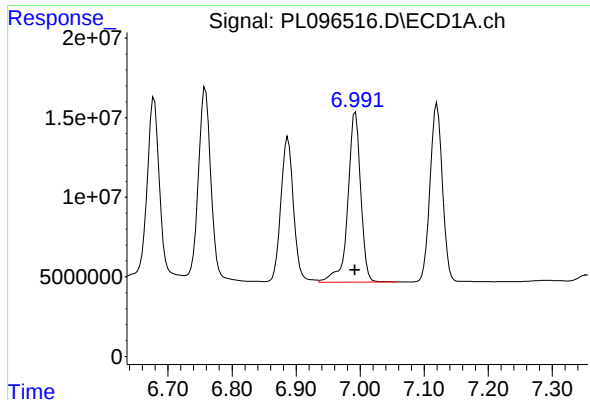
#16 4,4'-DDD

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 157089088
Conc: 53.95 ng/ml m



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 299756558
Conc: 58.45 ng/ml



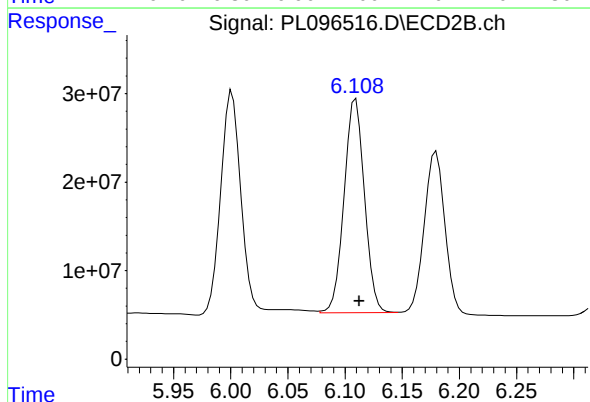
#17 4,4'-DDT

R.T.: 6.993 min
Delta R.T.: 0.000 min
Response: 149532425
Conc: 49.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

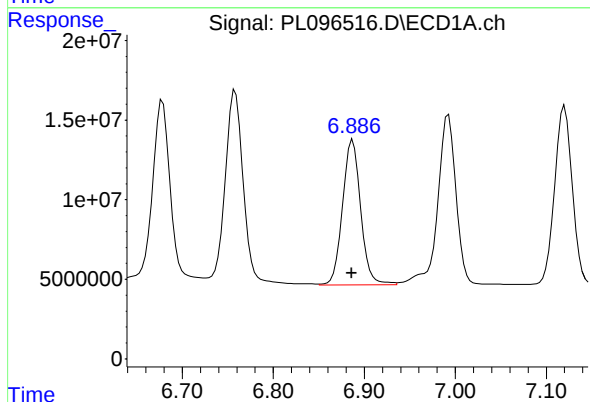
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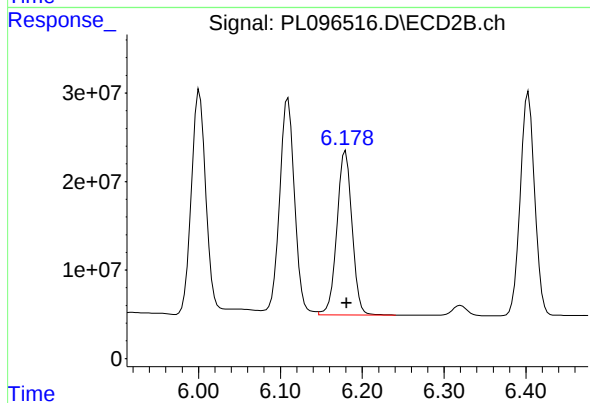
#17 4,4'-DDT

R.T.: 6.108 min
Delta R.T.: -0.005 min
Response: 301414697
Conc: 52.56 ng/ml m



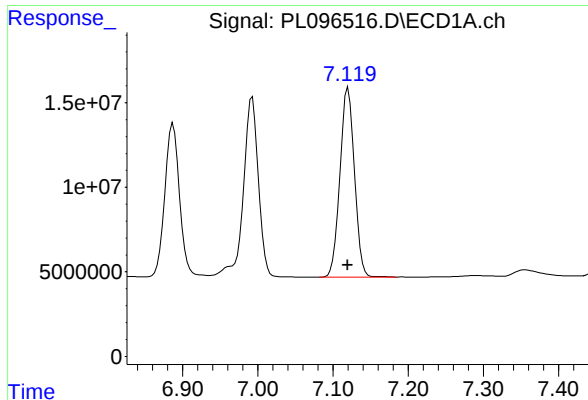
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.000 min
Response: 126780687
Conc: 56.71 ng/ml



#18 Endrin aldehyde

R.T.: 6.180 min
Delta R.T.: -0.001 min
Response: 238668290
Conc: 53.58 ng/ml



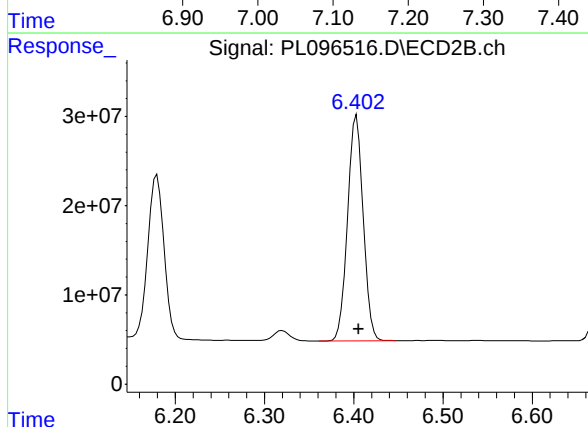
#19 Endosulfan Sulfate

R.T.: 7.120 min
Delta R.T.: 0.000 min
Response: 150245288
Conc: 49.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

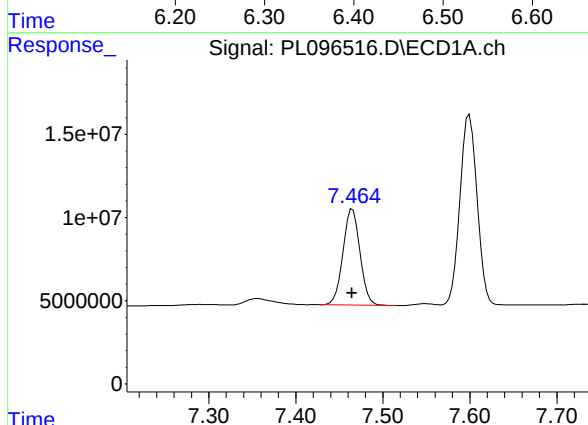
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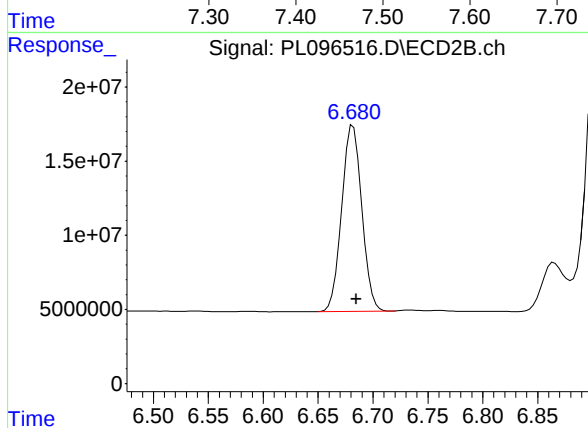
#19 Endosulfan Sulfate

R.T.: 6.403 min
Delta R.T.: -0.003 min
Response: 307640652
Conc: 54.70 ng/ml



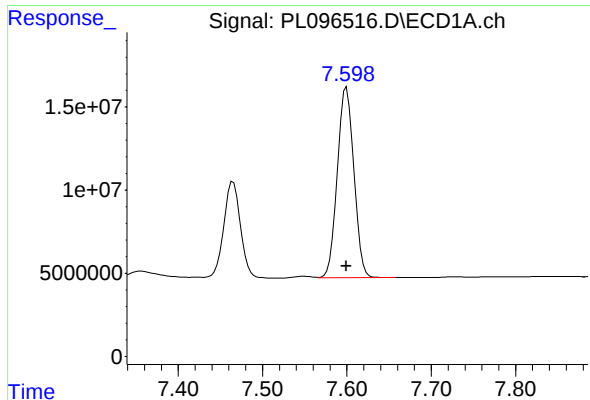
#20 Methoxychlor

R.T.: 7.465 min
Delta R.T.: 0.000 min
Response: 79067327
Conc: 50.19 ng/ml



#20 Methoxychlor

R.T.: 6.682 min
Delta R.T.: -0.003 min
Response: 159779313
Conc: 52.60 ng/ml



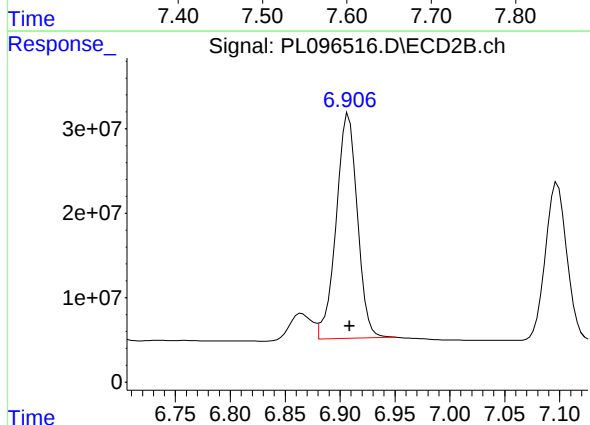
#21 Endrin ketone

R.T.: 7.600 min
Delta R.T.: 0.000 min
Response: 156414299
Conc: 47.37 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

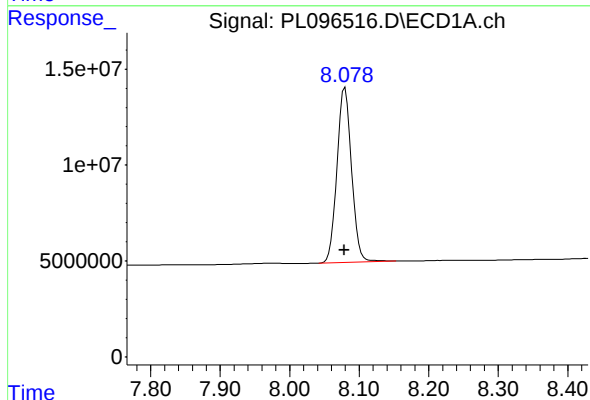
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



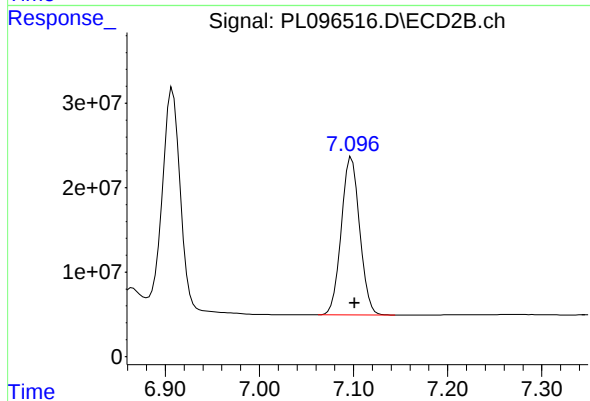
#21 Endrin ketone

R.T.: 6.908 min
Delta R.T.: -0.001 min
Response: 357944070
Conc: 57.25 ng/ml



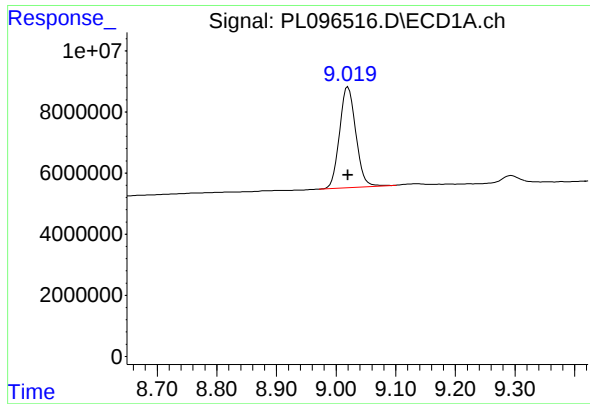
#22 Mirex

R.T.: 8.080 min
Delta R.T.: 0.000 min
Response: 132926926
Conc: 47.78 ng/ml



#22 Mirex

R.T.: 7.098 min
Delta R.T.: -0.003 min
Response: 254049012
Conc: 51.14 ng/ml



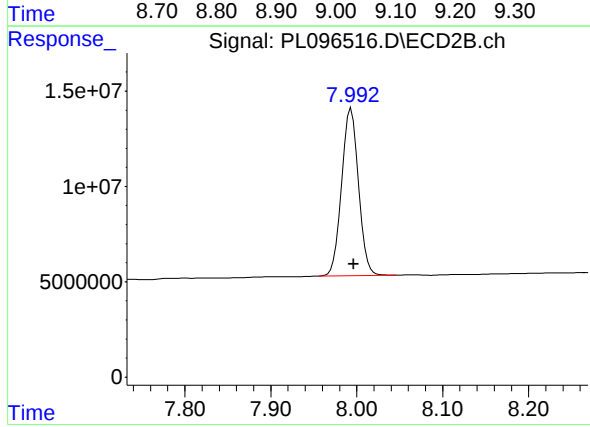
#28 Decachlorobiphenyl

R.T.: 9.020 min
Delta R.T.: 0.000 min
Response: 62788970
Conc: 22.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168947BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/23/2025
Supervised By :mohammad ahmed 07/24/2025



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.003 min
Response: 119263698
Conc: 23.92 ng/ml