

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
 Data File : PL097603.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Oct 2025 14:38
 Operator : AR\AJ
 Sample : Q3310-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 SS-01-0-1MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/13/2025
 Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 11 07:19:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
 Quant Title : GC Extractables
 QLast Update : Tue Oct 07 16:47:00 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...	3.524	2.823	55132180	74708942	13.524m	12.275
2)	SA Decachlor...	8.994	7.978	31255707	39659800	10.511	7.643 #
Target Compounds							
2)	A alpha-BHC	3.970	3.328	283.2E6	361.1E6	41.986m	36.599
3)	MA gamma-BHC...	4.298	3.659	268.0E6	357.5E6	42.156m	38.918
4)	MA Heptachlor	4.888	4.006	259.5E6	319.0E6	40.234m	34.698
5)	MB Aldrin	5.228	4.288	250.9E6	323.4E6	41.727	37.289
6)	B beta-BHC	4.488	3.955	98801206	128.5E6	38.214	32.305
7)	B delta-BHC	4.732	4.187	265.3E6	326.0E6	43.684	36.087
8)	B Heptachlo...	5.647	4.789	245.0E6	272.2E6	42.081	34.470
9)	A Endosulfan I	6.027	5.160	219.4E6	245.7E6	44.128m	33.323
10)	B gamma-Chl...	5.901	5.041	264.1E6	373.3E6	48.660	42.936
11)	B alpha-Chl...	5.981	5.105	258.5E6	305.3E6	47.641	36.668
12)	B 4,4'-DDE	6.152	5.293	194.9E6	253.3E6	41.843	33.368
13)	MA Dieldrin	6.301	5.424	284.4E6	323.0E6	54.066	39.065 #
14)	MA Endrin	6.527	5.698	183.8E6	231.5E6	41.074	31.280
15)	B Endosulfa...	6.740	5.990	175.7E6	228.7E6	35.912	33.117
16)	A 4,4'-DDD	6.661	5.845	188.0E6	204.8E6	49.833	32.110 #
17)	MA 4,4'-DDT	6.974	6.097	192.2E6	246.6E6	47.400	37.008
18)	B Endrin al...	6.869	6.168	133.6E6	178.2E6	40.760	30.954
19)	B Endosulfa...	7.101	6.392	195.0E6	295.3E6	48.622m	44.350
20)	A Methoxychlor	7.449	6.668	111.5E6	136.5E6	53.368	37.459m#
21)	B Endrin ke...	7.581	6.896	201.5E6	209.2E6	47.051	26.478 #
22)	Mirex	8.059	7.085	125.9E6	146.1E6	40.520	27.314 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL101025\
Data File : PL097603.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Oct 2025 14:38
Operator : AR\AJ
Sample : Q3310-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

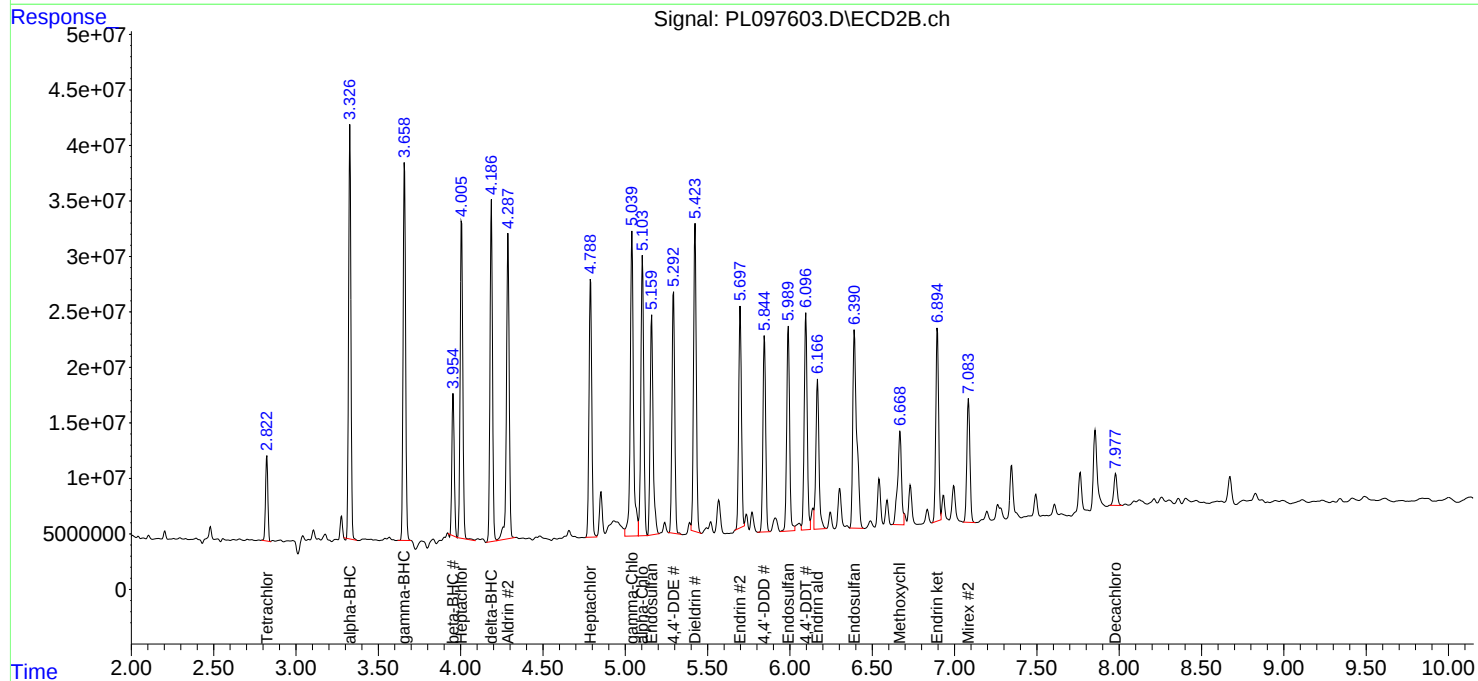
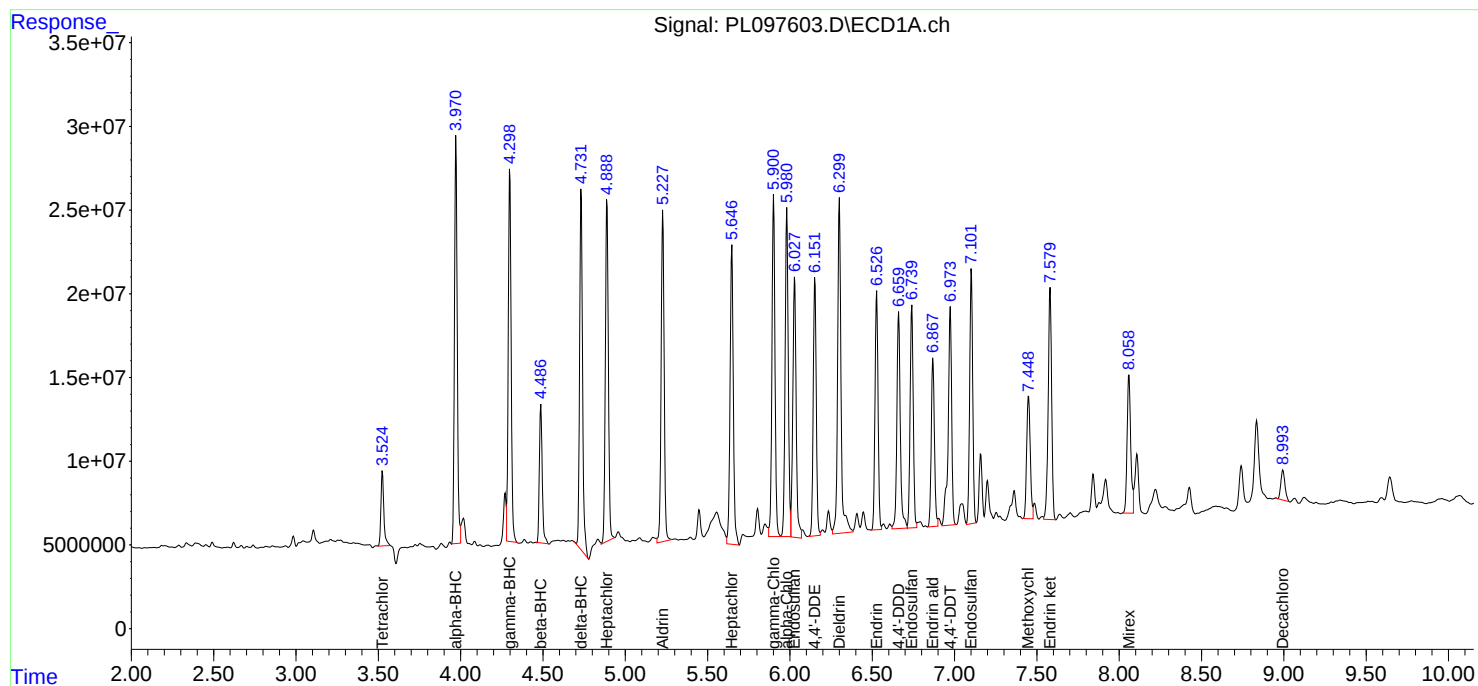
Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

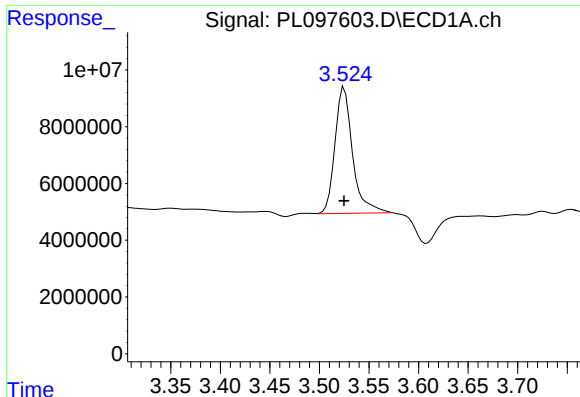
Manual Integrations
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Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 11 07:19:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL100725.M
Quant Title : GC Extractables
QLast Update : Tue Oct 07 16:47:00 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





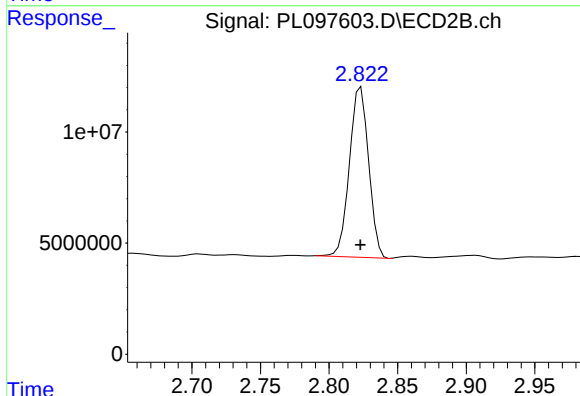
#1 Tetrachloro-m-xylene

R.T.: 3.524 min
Delta R.T.: -0.001 min
Response: 55132180
Conc: 13.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

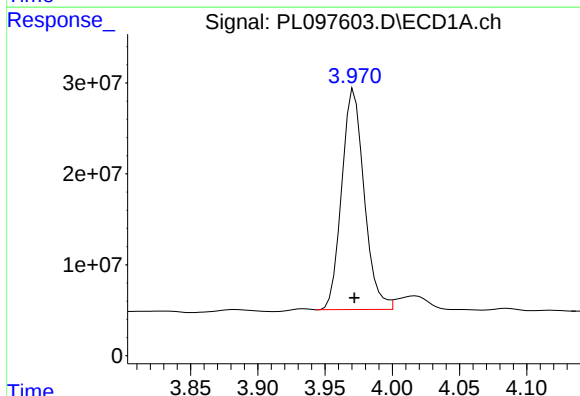
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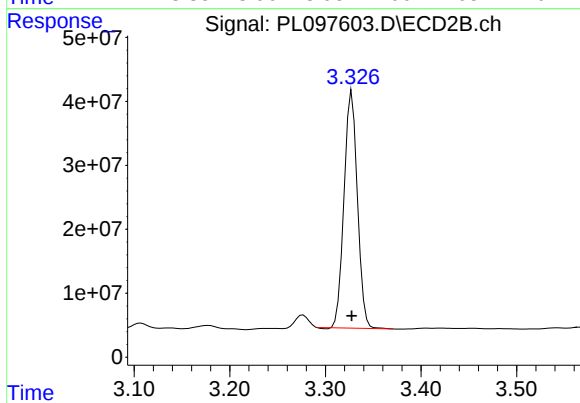
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: 0.000 min
Response: 74708942
Conc: 12.27 ng/ml



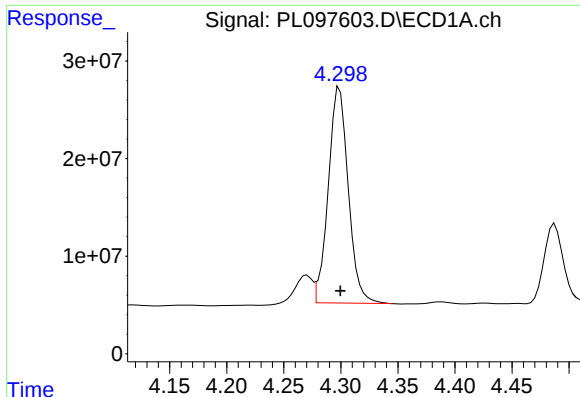
#2 alpha-BHC

R.T.: 3.970 min
Delta R.T.: -0.002 min
Response: 283222058
Conc: 41.99 ng/ml m



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: 0.000 min
Response: 361119452
Conc: 36.60 ng/ml



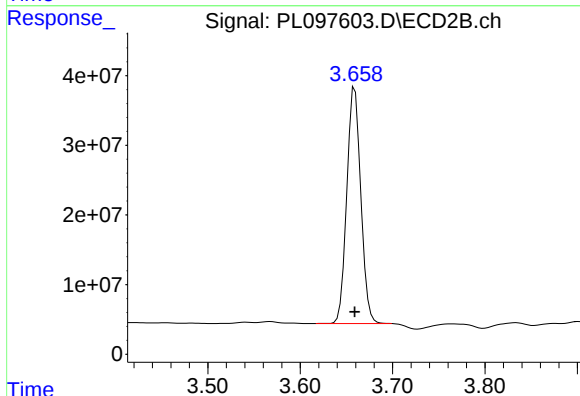
#3 gamma-BHC (Lindane)

R.T.: 4.298 min
Delta R.T.: -0.002 min
Response: 267958321
Conc: 42.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

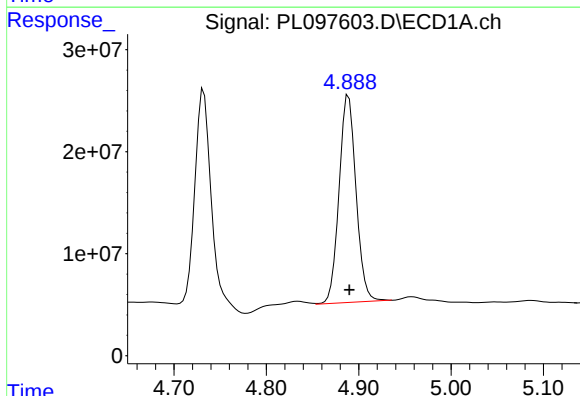
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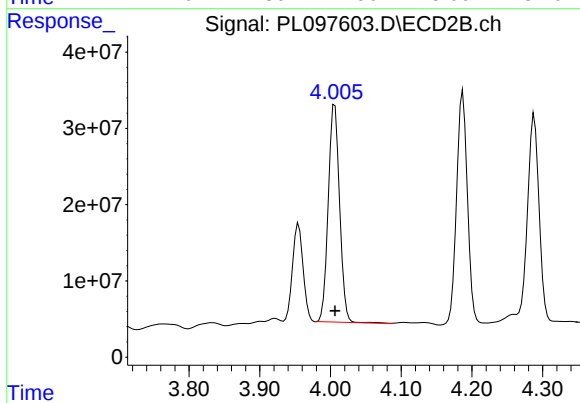
#3 gamma-BHC (Lindane)

R.T.: 3.659 min
Delta R.T.: 0.000 min
Response: 357545987
Conc: 38.92 ng/ml



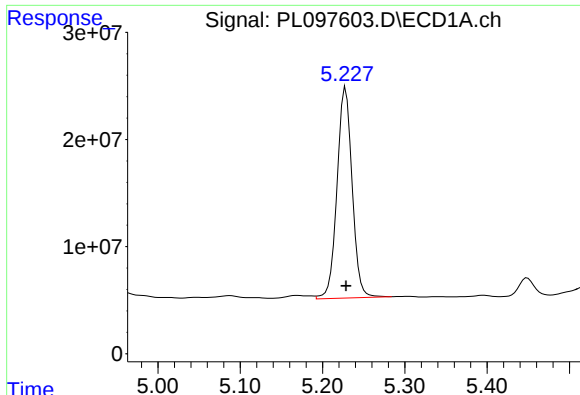
#4 Heptachlor

R.T.: 4.888 min
Delta R.T.: -0.002 min
Response: 259534932
Conc: 40.23 ng/ml m



#4 Heptachlor

R.T.: 4.006 min
Delta R.T.: 0.000 min
Response: 318956569
Conc: 34.70 ng/ml



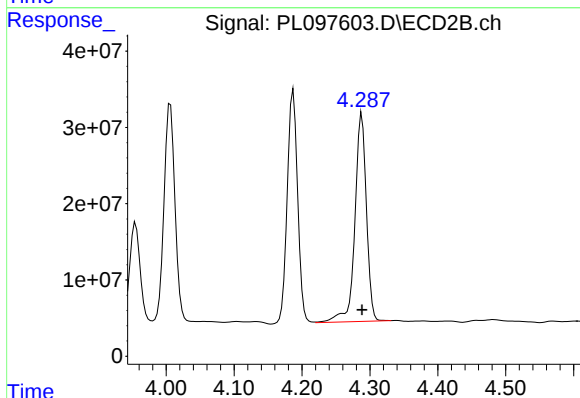
#5 Aldrin

R.T.: 5.228 min
Delta R.T.: 0.000 min
Response: 250890725
Conc: 41.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

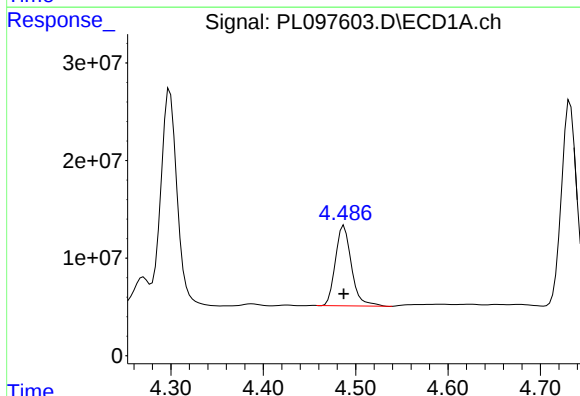
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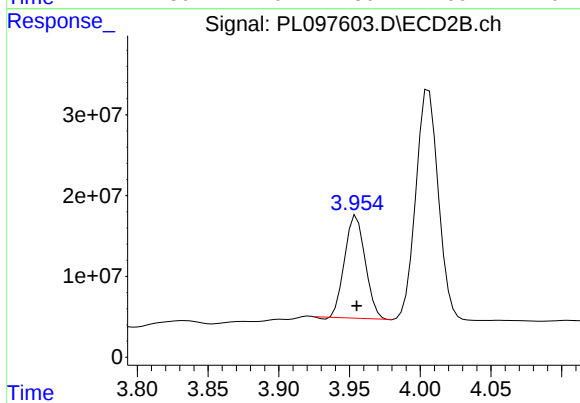
#5 Aldrin

R.T.: 4.288 min
Delta R.T.: 0.000 min
Response: 323360212
Conc: 37.29 ng/ml



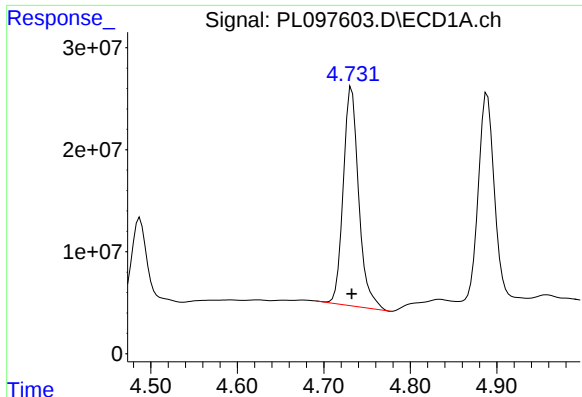
#6 beta-BHC

R.T.: 4.488 min
Delta R.T.: 0.000 min
Response: 98801206
Conc: 38.21 ng/ml



#6 beta-BHC

R.T.: 3.955 min
Delta R.T.: 0.000 min
Response: 128512118
Conc: 32.30 ng/ml



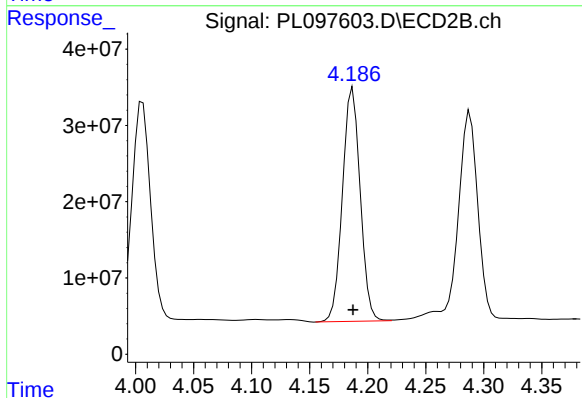
#7 delta-BHC

R.T.: 4.732 min
Delta R.T.: 0.000 min
Response: 265275032
Conc: 43.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

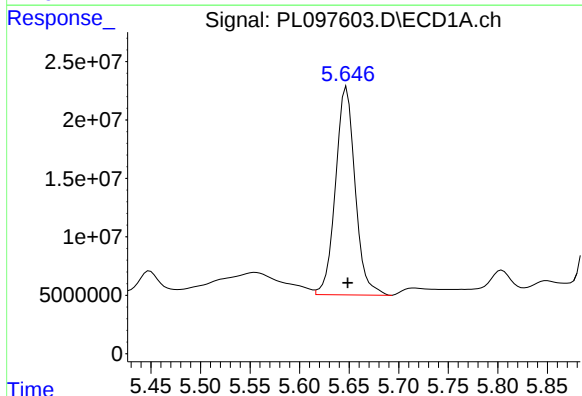
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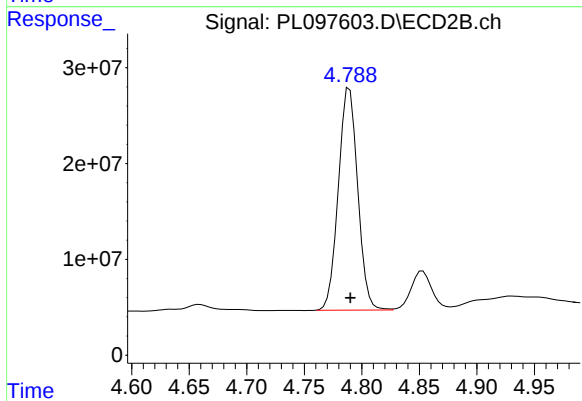
#7 delta-BHC

R.T.: 4.187 min
Delta R.T.: 0.000 min
Response: 326007796
Conc: 36.09 ng/ml



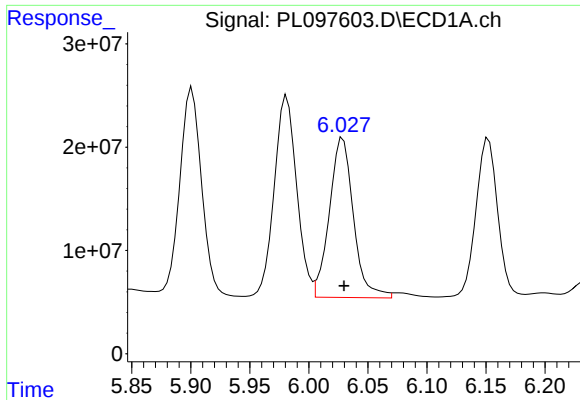
#8 Heptachlor epoxide

R.T.: 5.647 min
Delta R.T.: 0.000 min
Response: 245005385
Conc: 42.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.789 min
Delta R.T.: 0.000 min
Response: 272243717
Conc: 34.47 ng/ml



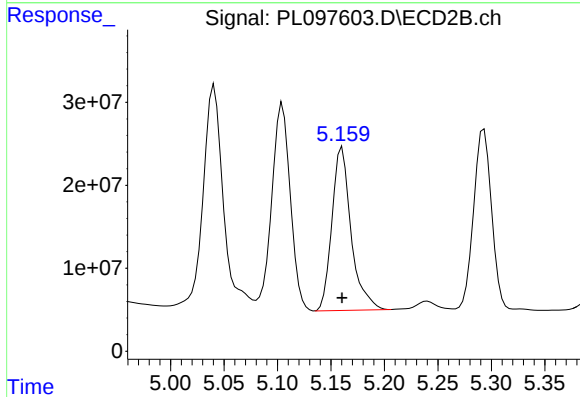
#9 Endosulfan I

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 219377930
Conc: 44.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

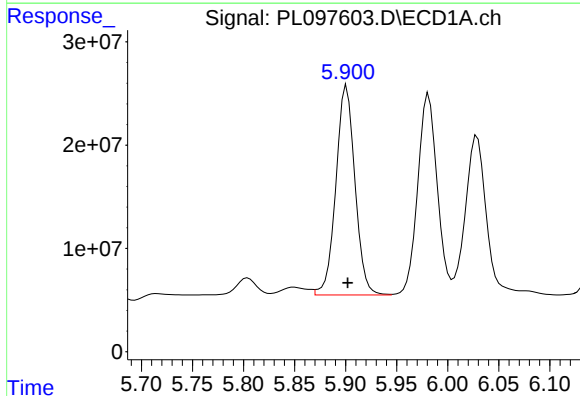
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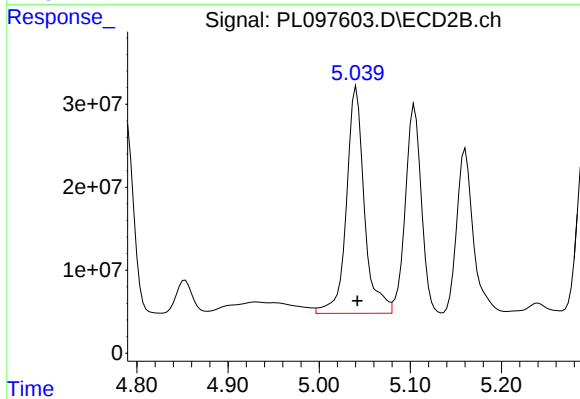
#9 Endosulfan I

R.T.: 5.160 min
Delta R.T.: 0.000 min
Response: 245732709
Conc: 33.32 ng/ml



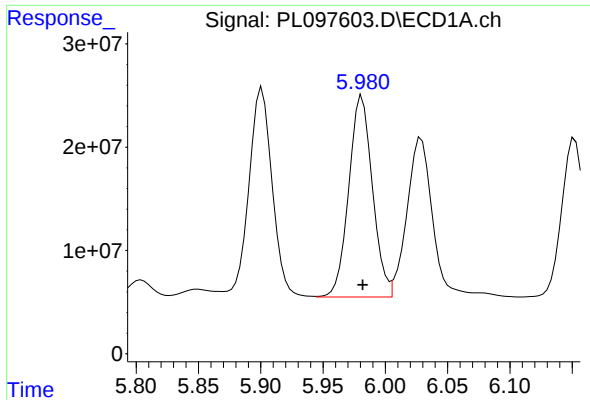
#10 gamma-Chlordane

R.T.: 5.901 min
Delta R.T.: 0.000 min
Response: 264098034
Conc: 48.66 ng/ml



#10 gamma-Chlordane

R.T.: 5.041 min
Delta R.T.: 0.000 min
Response: 373252187
Conc: 42.94 ng/ml



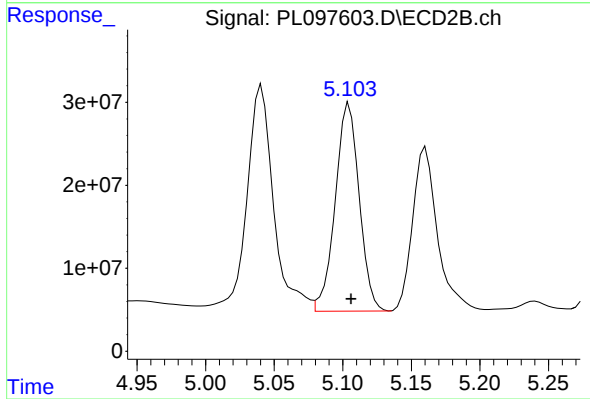
#11 alpha-Chlordane

R.T.: 5.981 min
Delta R.T.: 0.000 min
Response: 258522748
Conc: 47.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

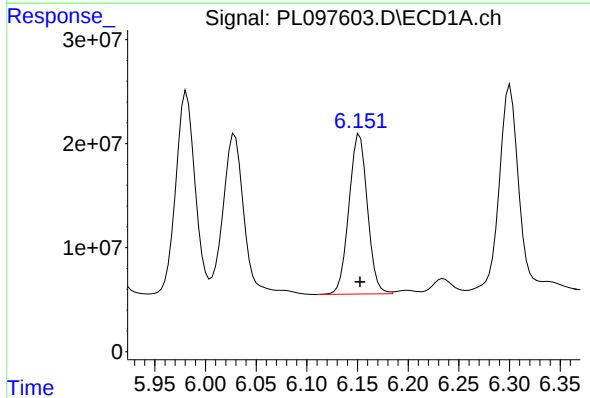
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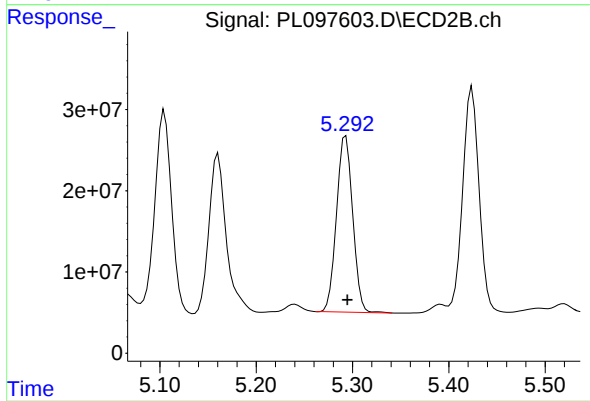
#11 alpha-Chlordane

R.T.: 5.105 min
Delta R.T.: -0.001 min
Response: 305339297
Conc: 36.67 ng/ml



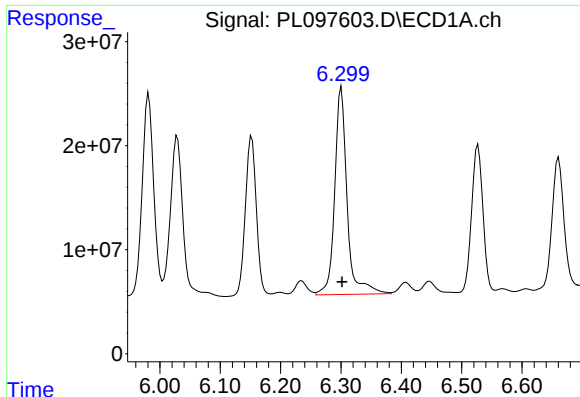
#12 4,4'-DDE

R.T.: 6.152 min
Delta R.T.: 0.000 min
Response: 194870371
Conc: 41.84 ng/ml



#12 4,4'-DDE

R.T.: 5.293 min
Delta R.T.: -0.001 min
Response: 253342618
Conc: 33.37 ng/ml



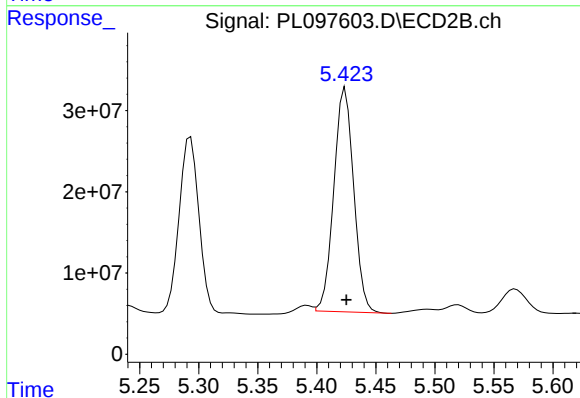
#13 Dieldrin

R.T.: 6.301 min
Delta R.T.: -0.001 min
Response: 284415359
Conc: 54.07 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

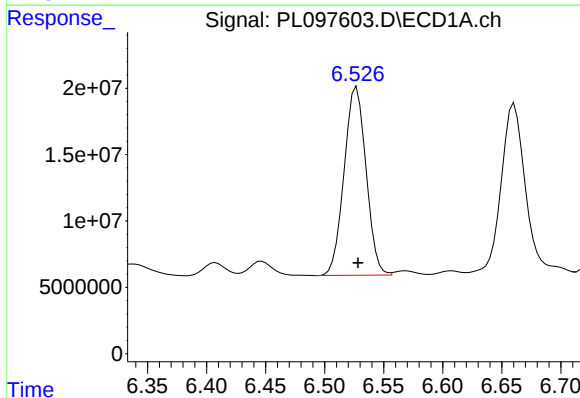
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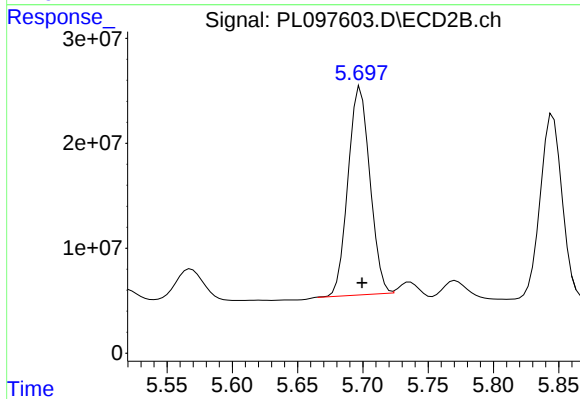
#13 Dieldrin

R.T.: 5.424 min
Delta R.T.: 0.000 min
Response: 323004733
Conc: 39.07 ng/ml



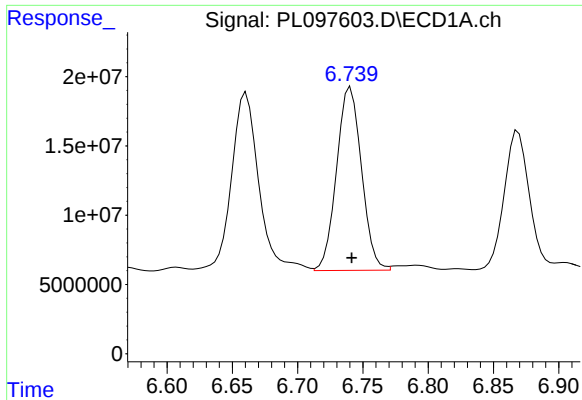
#14 Endrin

R.T.: 6.527 min
Delta R.T.: -0.001 min
Response: 183777395
Conc: 41.07 ng/ml



#14 Endrin

R.T.: 5.698 min
Delta R.T.: -0.001 min
Response: 231516883
Conc: 31.28 ng/ml



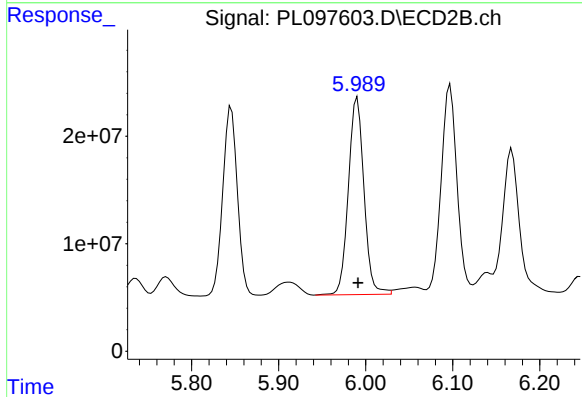
#15 Endosulfan II

R.T.: 6.740 min
Delta R.T.: 0.000 min
Response: 175685697
Conc: 35.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

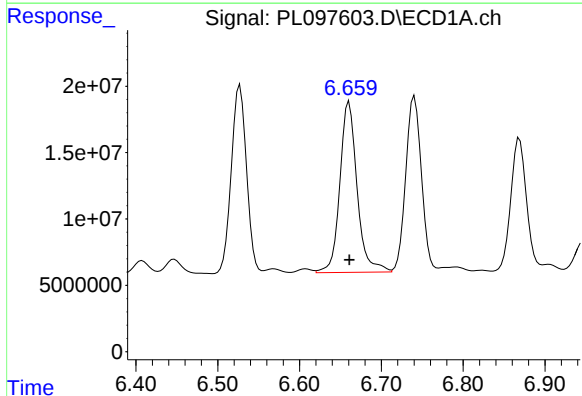
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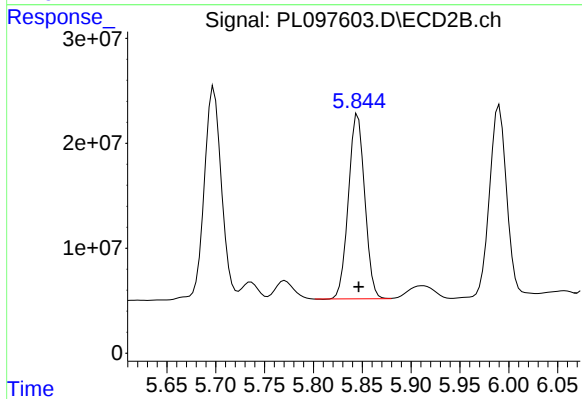
#15 Endosulfan II

R.T.: 5.990 min
Delta R.T.: 0.000 min
Response: 228672478
Conc: 33.12 ng/ml



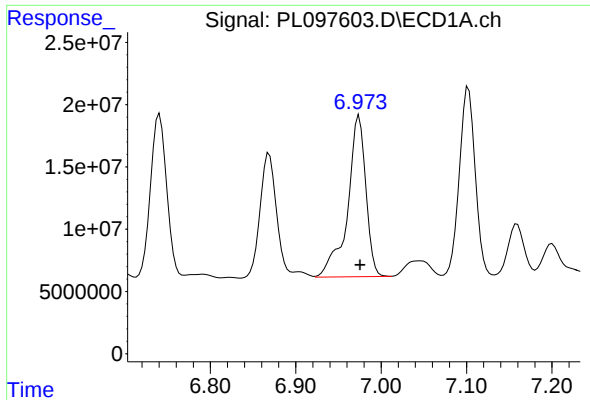
#16 4,4'-DDD

R.T.: 6.661 min
Delta R.T.: 0.000 min
Response: 188043807
Conc: 49.83 ng/ml



#16 4,4'-DDD

R.T.: 5.845 min
Delta R.T.: 0.000 min
Response: 204825487
Conc: 32.11 ng/ml



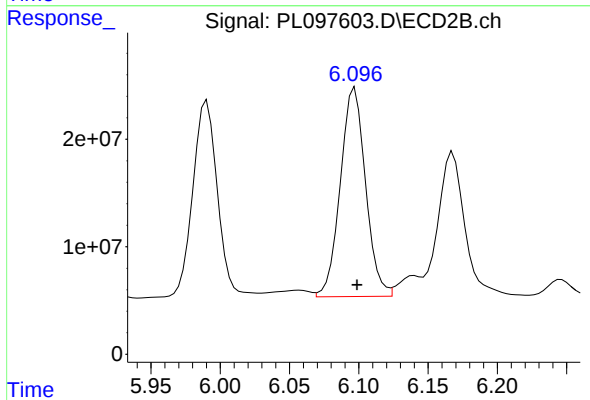
#17 4,4'-DDT

R.T.: 6.974 min
Delta R.T.: -0.001 min
Response: 192193521
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

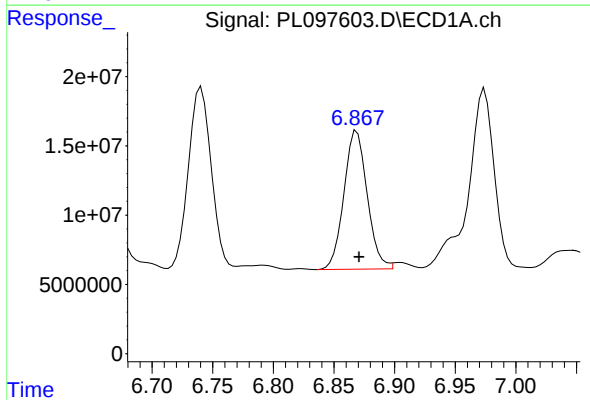
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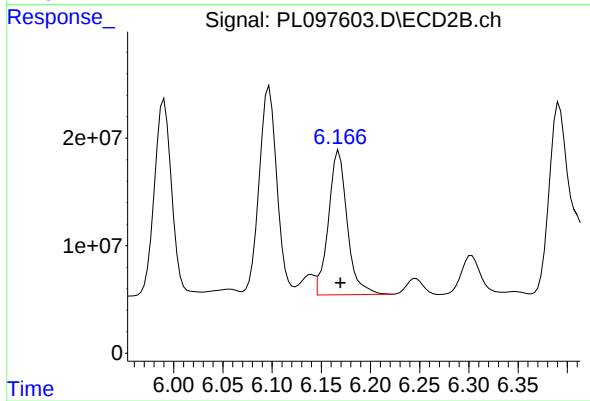
#17 4,4'-DDT

R.T.: 6.097 min
Delta R.T.: -0.002 min
Response: 246600539
Conc: 37.01 ng/ml



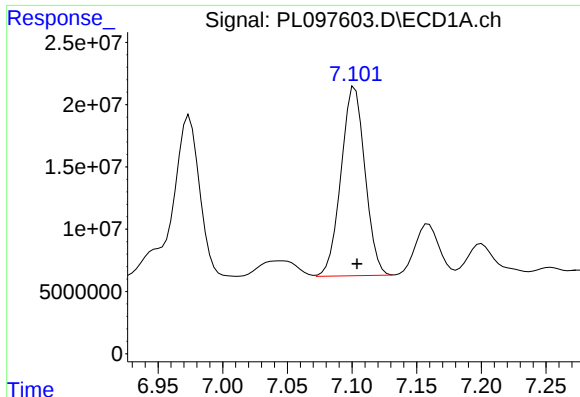
#18 Endrin aldehyde

R.T.: 6.869 min
Delta R.T.: -0.002 min
Response: 133560590
Conc: 40.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.168 min
Delta R.T.: -0.002 min
Response: 178246635
Conc: 30.95 ng/ml



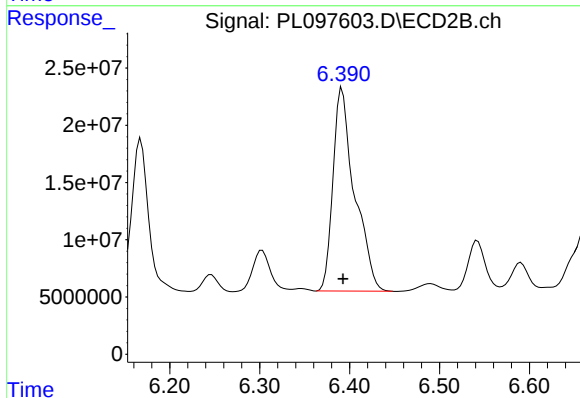
#19 Endosulfan Sulfate

R.T.: 7.101 min
Delta R.T.: -0.003 min
Response: 194967842
Conc: 48.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

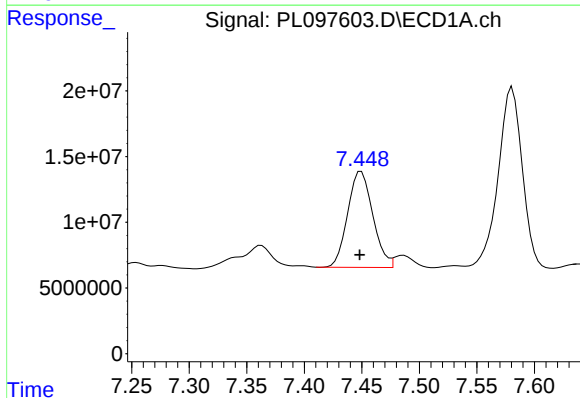
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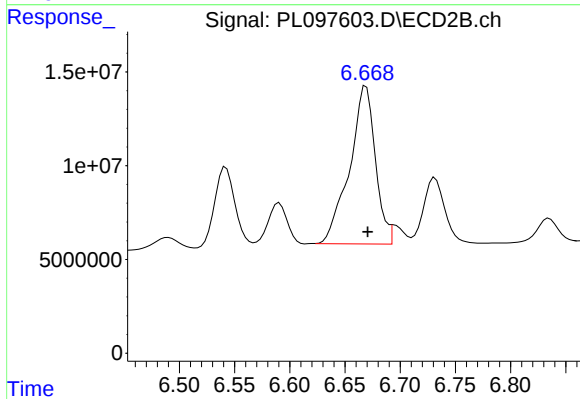
#19 Endosulfan Sulfate

R.T.: 6.392 min
Delta R.T.: 0.000 min
Response: 295277085
Conc: 44.35 ng/ml



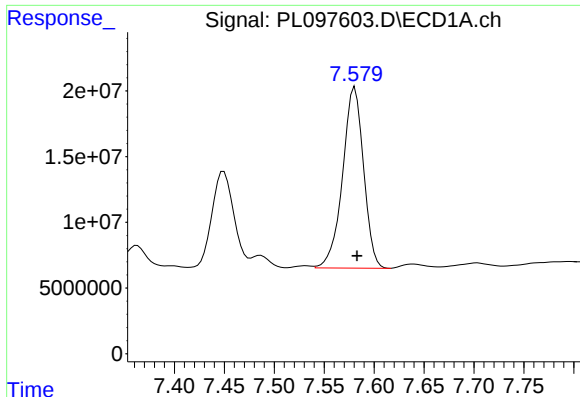
#20 Methoxychlor

R.T.: 7.449 min
Delta R.T.: 0.001 min
Response: 111485981
Conc: 53.37 ng/ml



#20 Methoxychlor

R.T.: 6.668 min
Delta R.T.: -0.003 min
Response: 136545174
Conc: 37.46 ng/ml m



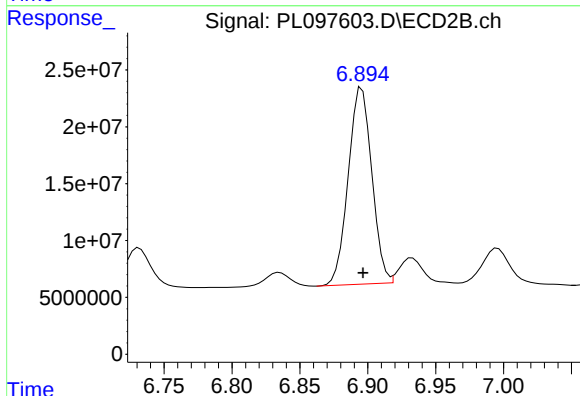
#21 Endrin ketone

R.T.: 7.581 min
Delta R.T.: -0.002 min
Response: 201460229
Conc: 47.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

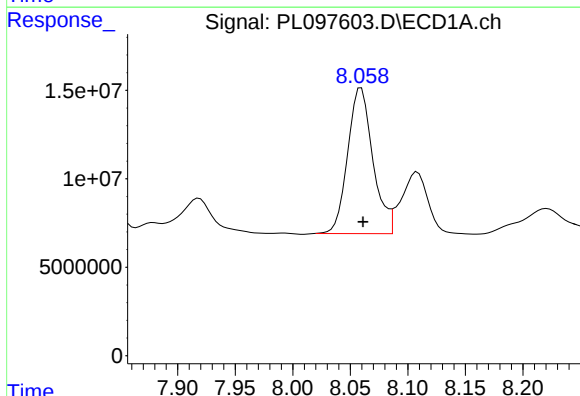
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



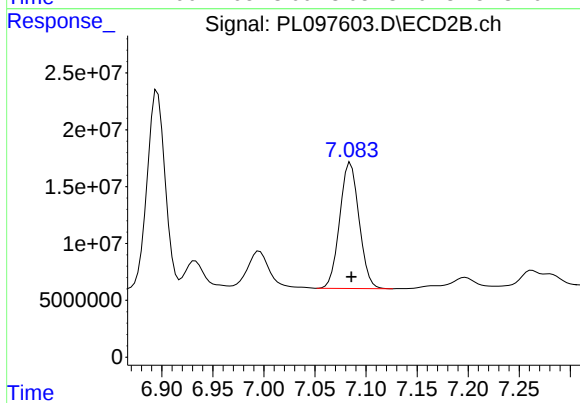
#21 Endrin ketone

R.T.: 6.896 min
Delta R.T.: 0.000 min
Response: 209170386
Conc: 26.48 ng/ml



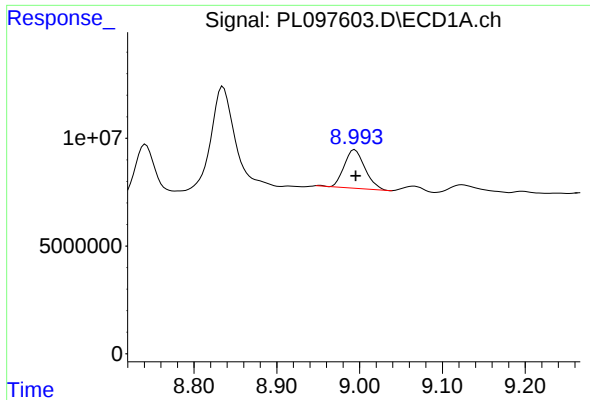
#22 Mirex

R.T.: 8.059 min
Delta R.T.: -0.002 min
Response: 125914012
Conc: 40.52 ng/ml



#22 Mirex

R.T.: 7.085 min
Delta R.T.: 0.000 min
Response: 146127282
Conc: 27.31 ng/ml



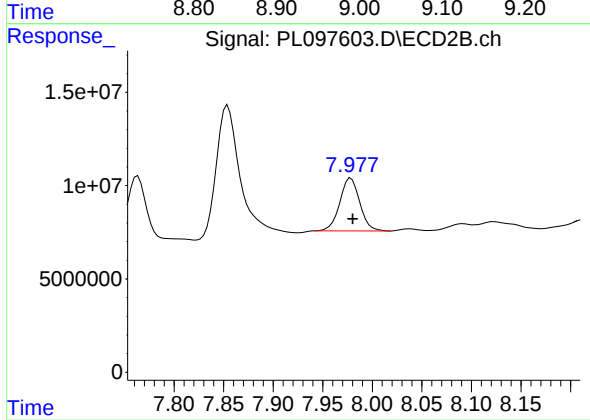
#28 Decachlorobiphenyl

R.T.: 8.994 min
Delta R.T.: -0.001 min
Response: 31255707
Conc: 10.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
SS-01-0-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/13/2025
Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 7.978 min
Delta R.T.: -0.002 min
Response: 39659800
Conc: 7.64 ng/ml