

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
 Data File : PL095931.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 18:27
 Operator : AR\AJ
 Sample : Q2194-01MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 COMP-12MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/05/2025
 Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:45:01 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.571	2.885	43529230	49836394	13.796m	12.733
28)	SA Decachlor...	9.098	8.059	33001490	62177095	14.005	14.214
Target Compounds							
2)	A alpha-BHC	4.023	3.395	167.2E6	189.6E6	34.482	32.369
3)	MA gamma-BHC...	4.355	3.728	149.4E6	175.4E6	33.411	31.323
4)	MA Heptachlor	4.953	4.081	128.5E6	176.0E6	33.943	31.373
5)	MB Aldrin	5.295	4.365	145.9E6	170.6E6	34.103	32.138
6)	B beta-BHC	4.543	4.024	65910814	78947600	33.434	31.865
7)	B delta-BHC	4.790	4.259	144.5E6	174.1E6	32.602	30.825
8)	B Heptachlo...	5.716	4.868	135.7E6	164.0E6	35.565	33.215
9)	A Endosulfan I	6.099	5.240	132.3E6	164.7E6	36.087	34.573
10)	B gamma-Chl...	5.971	5.120	139.7E6	176.7E6	35.892	33.642
11)	B alpha-Chl...	6.051	5.184	139.9E6	170.4E6	35.426	32.758
12)	B 4,4'-DDE	6.222	5.371	132.1E6	178.4E6	36.002	33.265
13)	MA Dieldrin	6.372	5.505	143.8E6	179.3E6	37.258	33.822
14)	MA Endrin	6.600	5.778	116.2E6	166.0E6	36.023	34.039m
15)	B Endosulfa...	6.812	6.070	126.9E6	174.5E6	36.834	36.718
16)	A 4,4'-DDD	6.731	5.923	115.5E6	158.7E6	39.412	36.192
17)	MA 4,4'-DDT	7.047	6.177	99878038	157.0E6	36.922	32.837
18)	B Endrin al...	6.942	6.248	96461405	133.1E6	39.899	38.521
19)	B Endosulfa...	7.175	6.471	116.3E6	178.3E6	38.943	39.673
20)	A Methoxychlor	7.520	6.746	50158422	91583735	39.330	35.008
21)	B Endrin ke...	7.656	6.976	133.1E6	211.8E6	42.025	40.939
22)	Mirex	8.137	7.170	98743874	165.3E6	42.677	40.714

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
Data File : PL095931.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 04 Jun 2025 18:27
Operator : AR\AJ
Sample : Q2194-01MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

COMP-12MSD

Manual Integrations

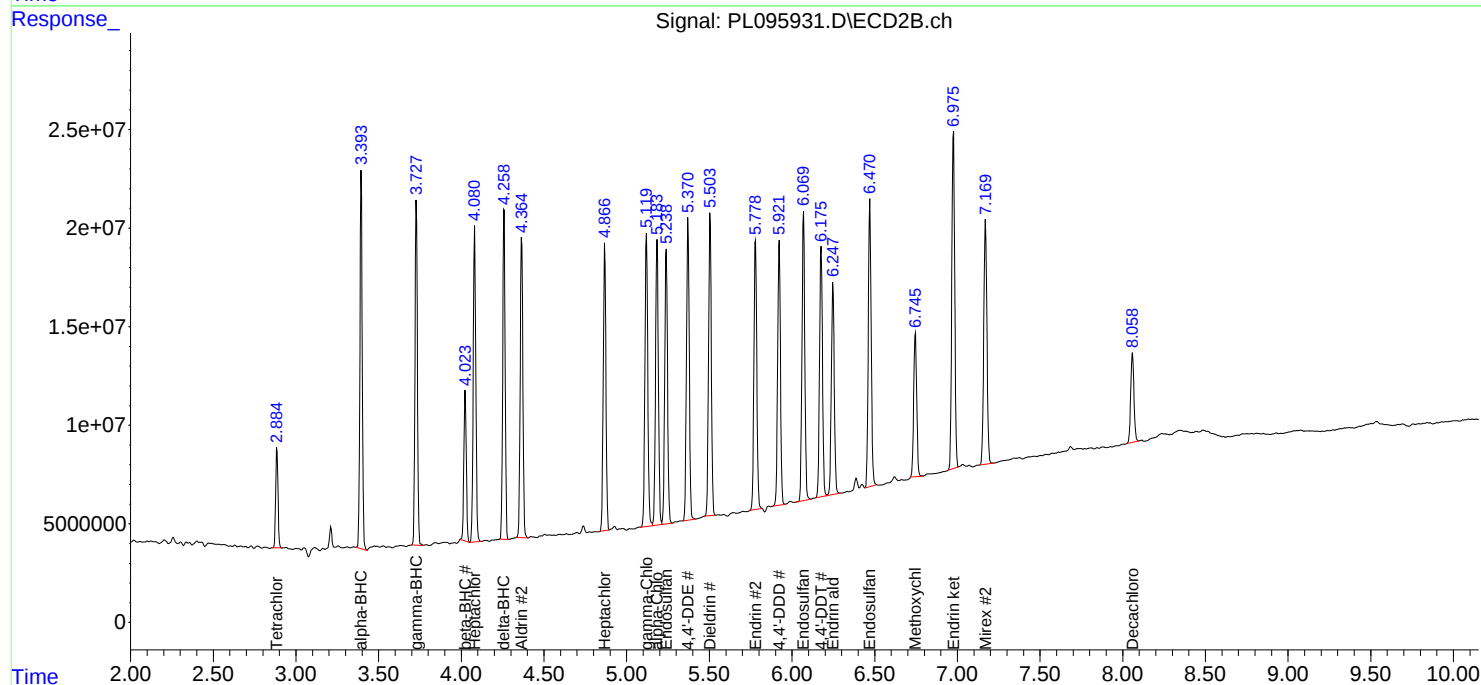
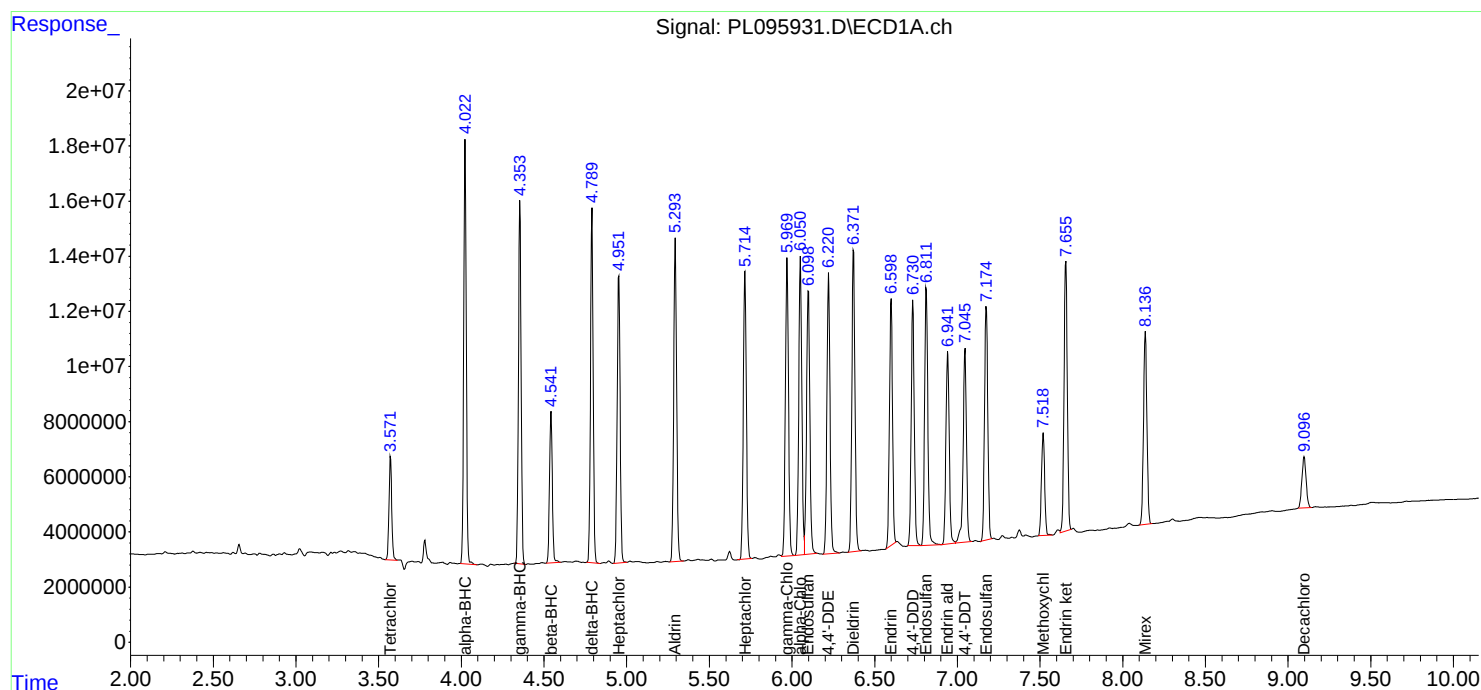
APPROVED

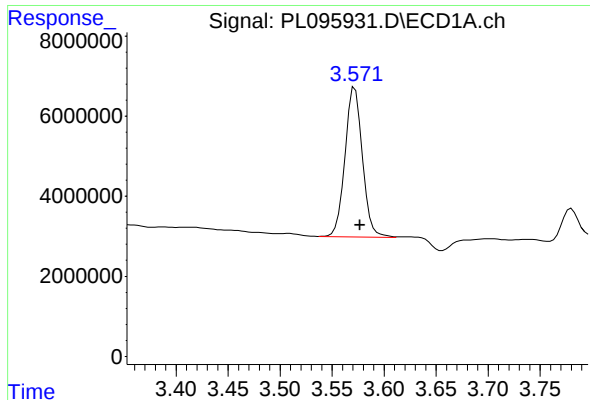
Reviewed By :Abdul Mirza 06/05/2025

Supervised By :mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 05 01:45:01 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





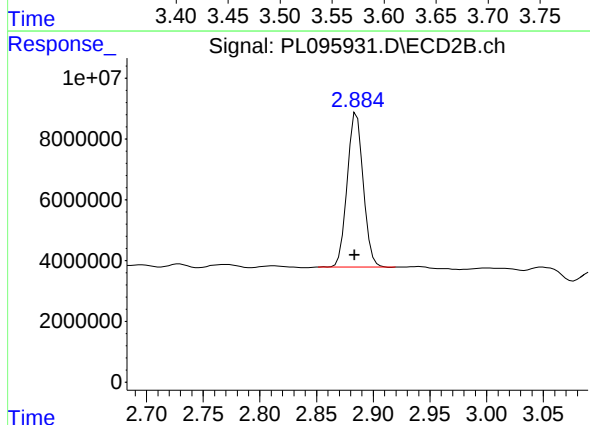
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: -0.006 min
Response: 43529230
Conc: 13.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

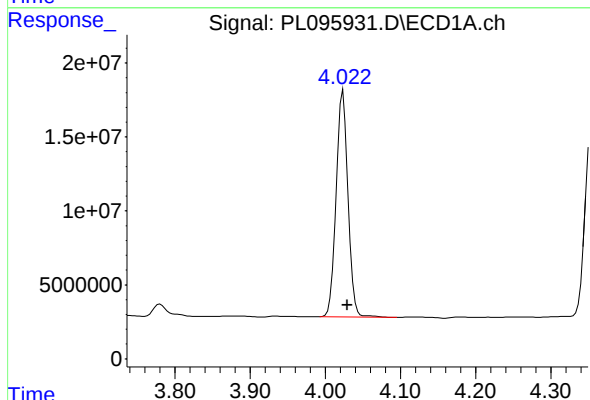
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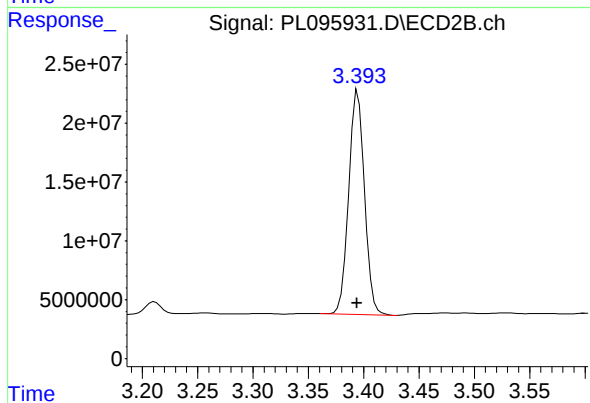
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 49836394
Conc: 12.73 ng/ml



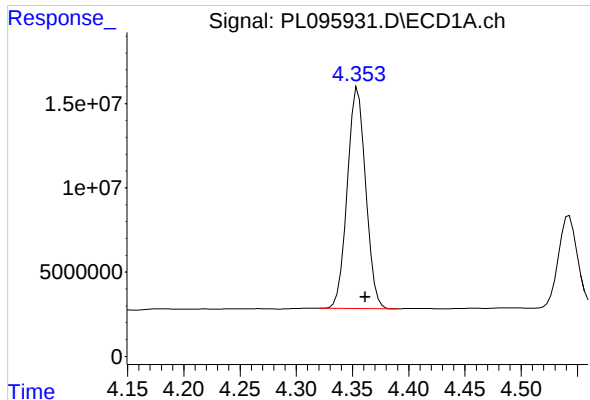
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: -0.006 min
Response: 167168474
Conc: 34.48 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.000 min
Response: 189595173
Conc: 32.37 ng/ml



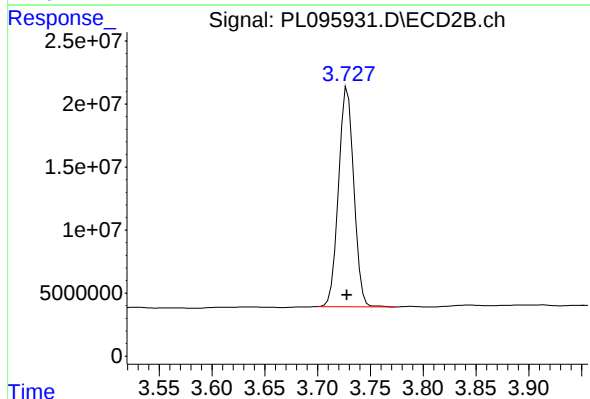
#3 gamma-BHC (Lindane)

R.T.: 4.355 min
Delta R.T.: -0.006 min
Response: 149409570
Conc: 33.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

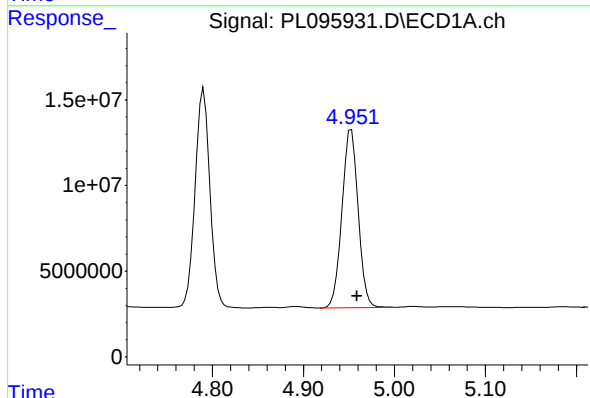
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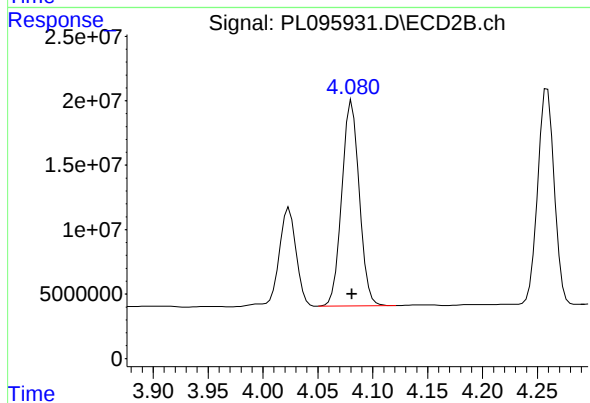
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 175448891
Conc: 31.32 ng/ml



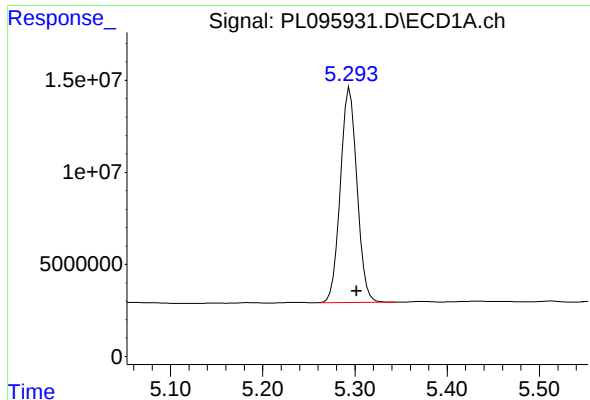
#4 Heptachlor

R.T.: 4.953 min
Delta R.T.: -0.006 min
Response: 128476885
Conc: 33.94 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.000 min
Response: 175970748
Conc: 31.37 ng/ml



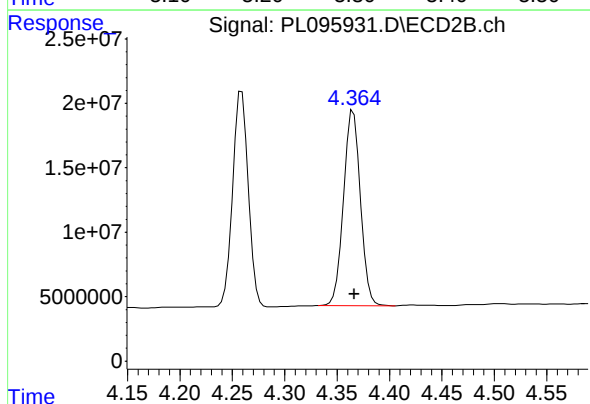
#5 Aldrin

R.T.: 5.295 min
Delta R.T.: -0.007 min
Response: 145882942
Conc: 34.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

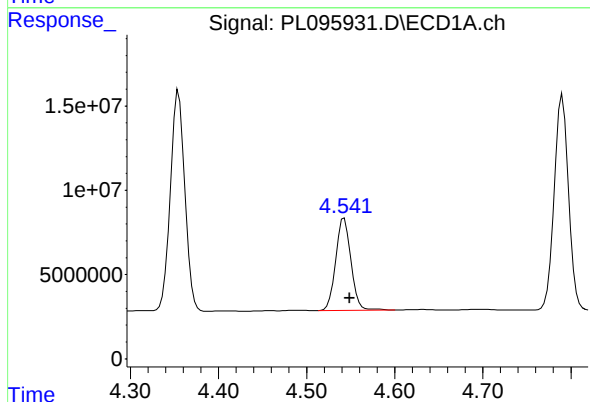
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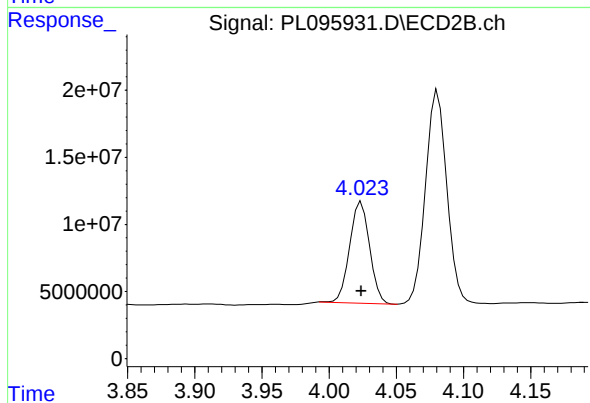
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 170558305
Conc: 32.14 ng/ml



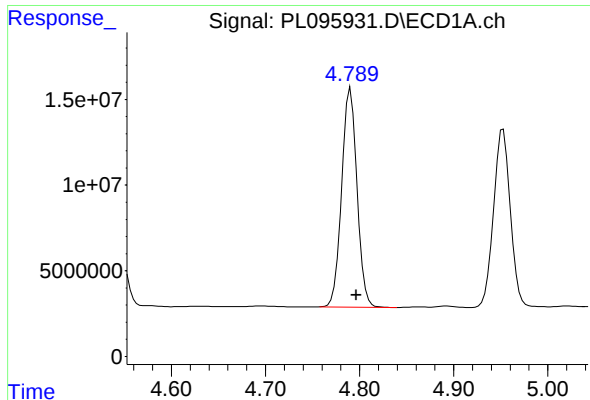
#6 beta-BHC

R.T.: 4.543 min
Delta R.T.: -0.006 min
Response: 65910814
Conc: 33.43 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 78947600
Conc: 31.87 ng/ml



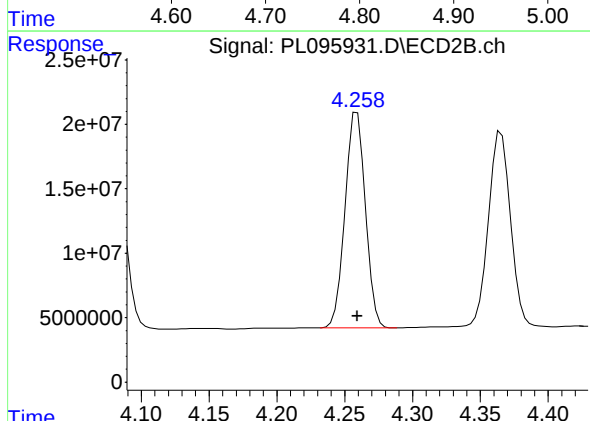
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: -0.006 min
Response: 144545561
Conc: 32.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

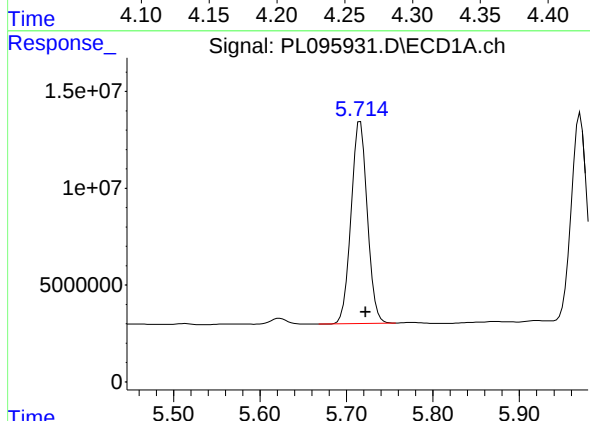
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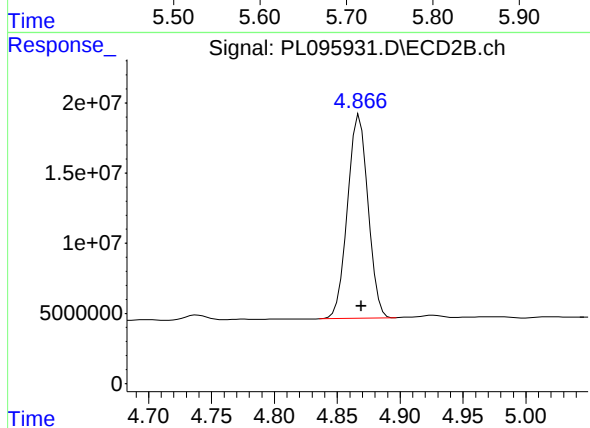
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 174080948
Conc: 30.83 ng/ml



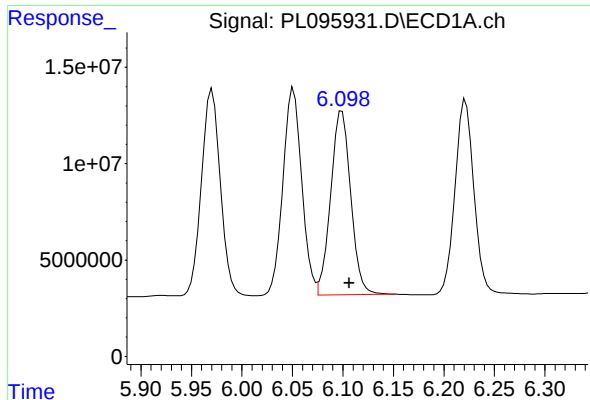
#8 Heptachlor epoxide

R.T.: 5.716 min
Delta R.T.: -0.006 min
Response: 135748527
Conc: 35.57 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.002 min
Response: 163998096
Conc: 33.22 ng/ml



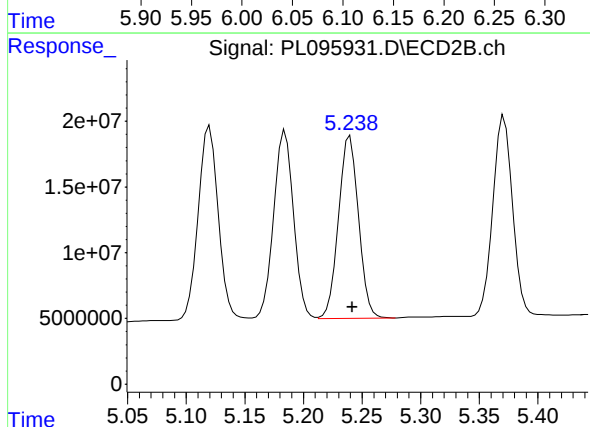
#9 Endosulfan I

R.T.: 6.099 min
Delta R.T.: -0.007 min
Response: 132252799
Conc: 36.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

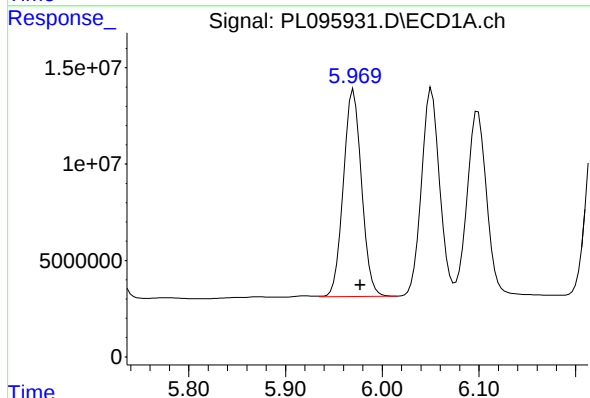
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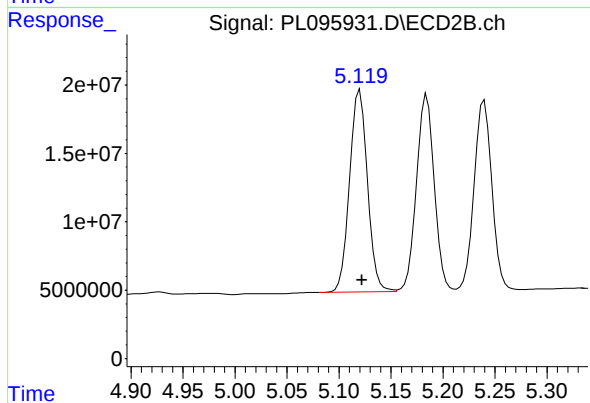
#9 Endosulfan I

R.T.: 5.240 min
Delta R.T.: -0.002 min
Response: 164737824
Conc: 34.57 ng/ml



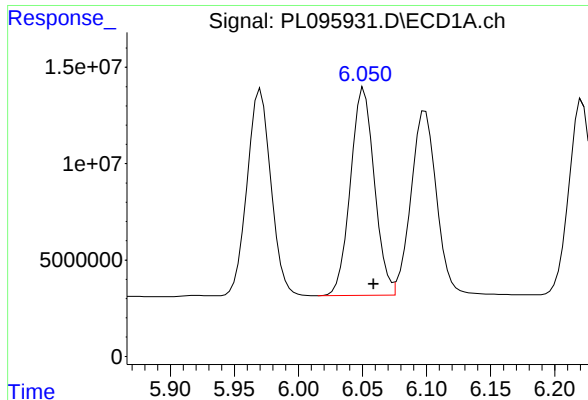
#10 gamma-Chlordane

R.T.: 5.971 min
Delta R.T.: -0.007 min
Response: 139693822
Conc: 35.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.002 min
Response: 176713056
Conc: 33.64 ng/ml



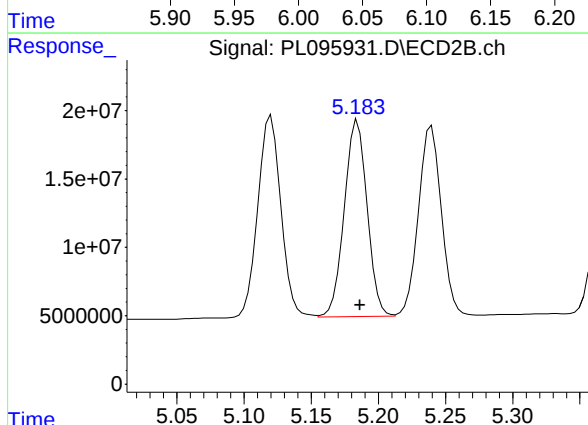
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: -0.008 min
Response: 139866176
Conc: 35.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

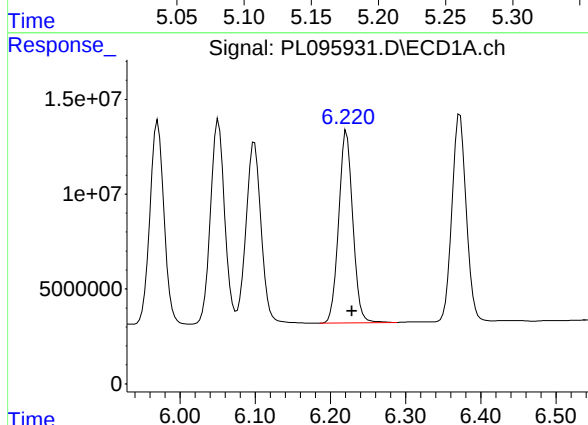
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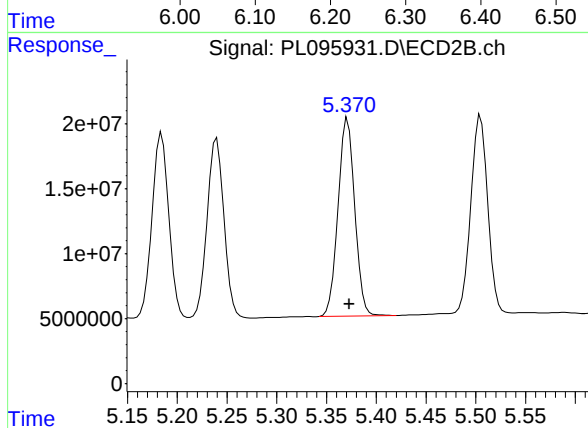
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: -0.002 min
Response: 170434127
Conc: 32.76 ng/ml



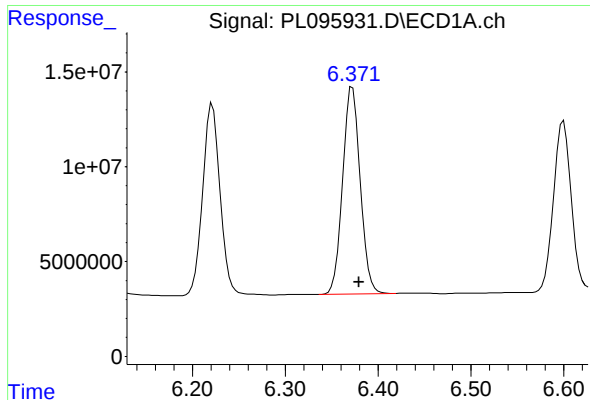
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: -0.007 min
Response: 132052699
Conc: 36.00 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: -0.002 min
Response: 178371286
Conc: 33.26 ng/ml



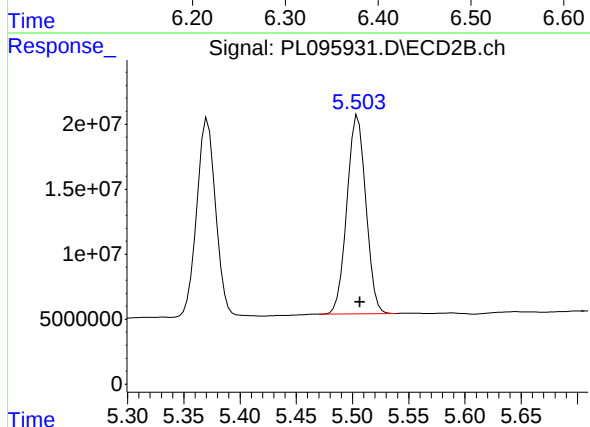
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: -0.007 min
Response: 143786876
Conc: 37.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

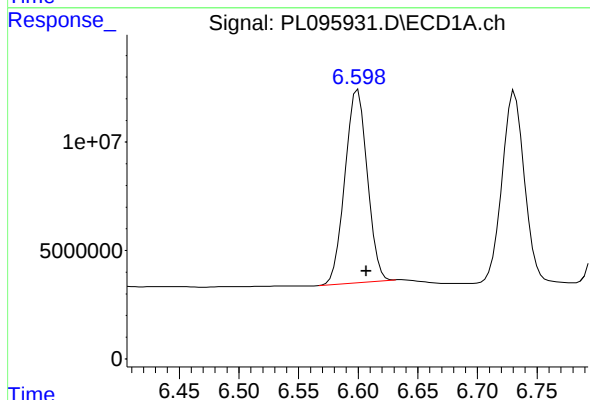
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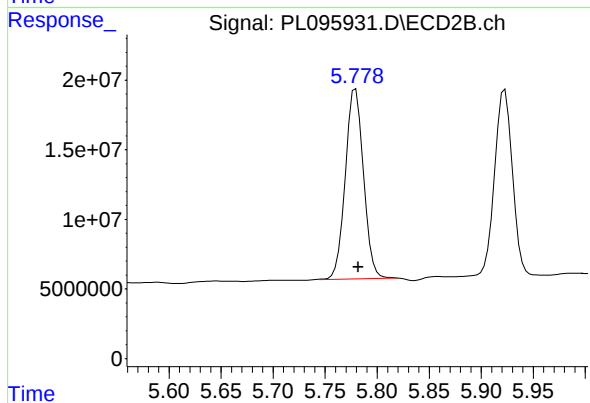
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.002 min
Response: 179259149
Conc: 33.82 ng/ml



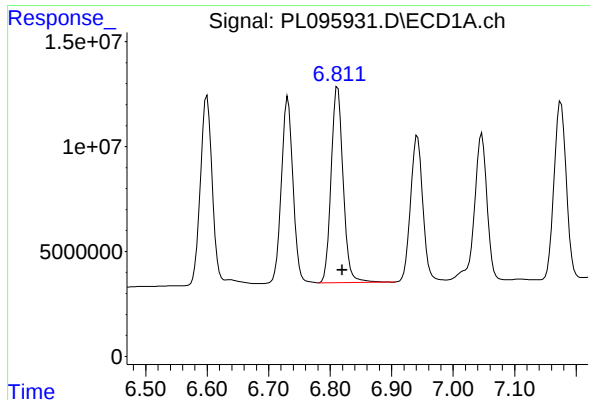
#14 Endrin

R.T.: 6.600 min
Delta R.T.: -0.007 min
Response: 116236545
Conc: 36.02 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 165979050
Conc: 34.04 ng/ml m



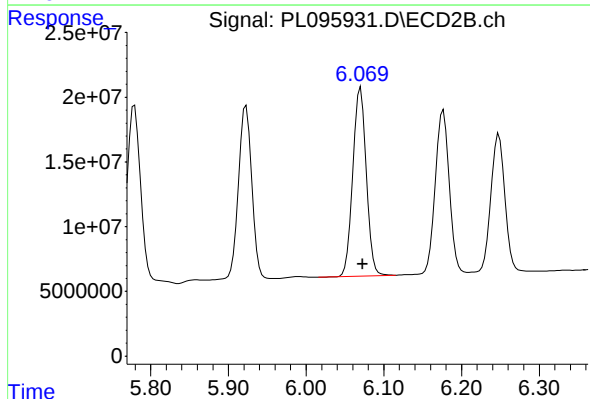
#15 Endosulfan II

R.T.: 6.812 min
Delta R.T.: -0.008 min
Response: 126933388
Conc: 36.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

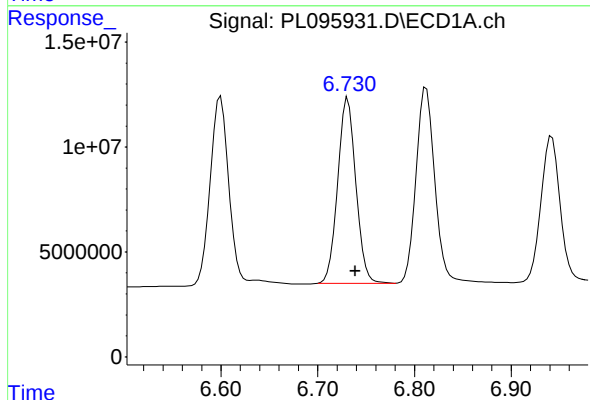
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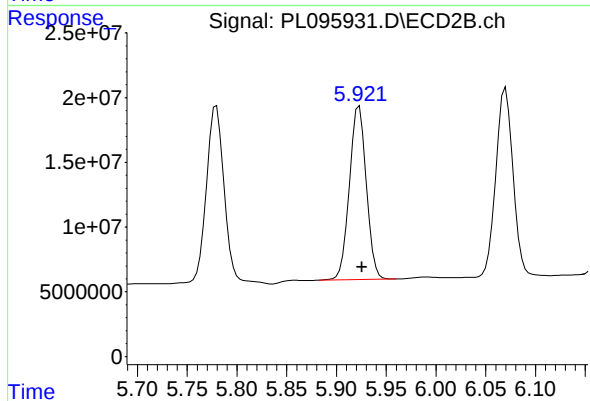
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 174475076
Conc: 36.72 ng/ml



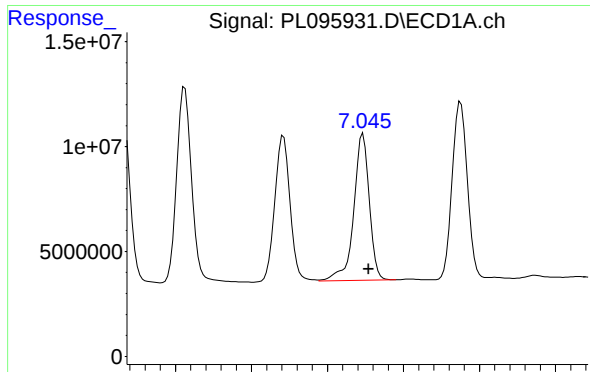
#16 4,4'-DDD

R.T.: 6.731 min
Delta R.T.: -0.008 min
Response: 115502380
Conc: 39.41 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.003 min
Response: 158698396
Conc: 36.19 ng/ml



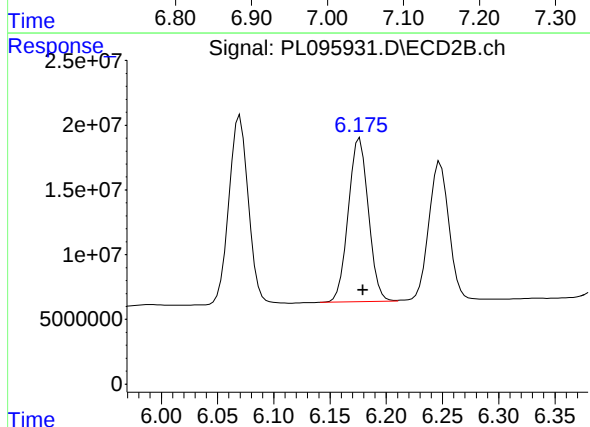
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: -0.007 min
Response: 99878038
Conc: 36.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

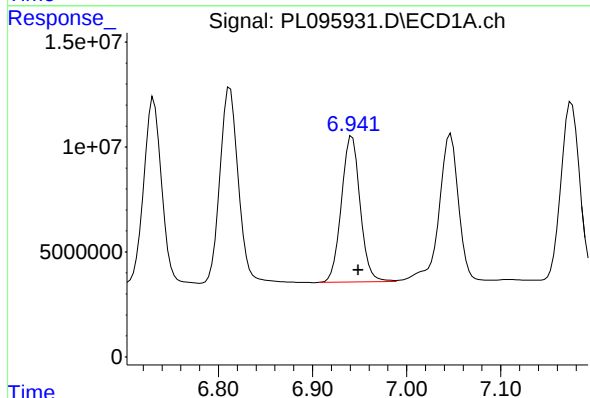
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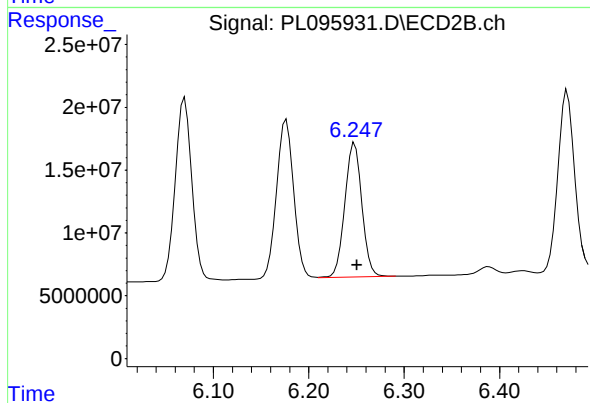
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.003 min
Response: 157046821
Conc: 32.84 ng/ml



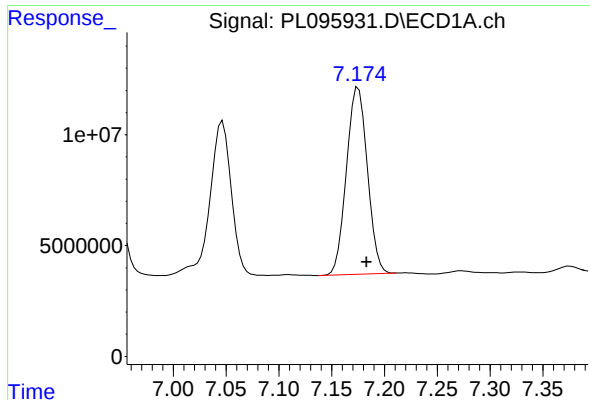
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: -0.007 min
Response: 96461405
Conc: 39.90 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.003 min
Response: 133063963
Conc: 38.52 ng/ml



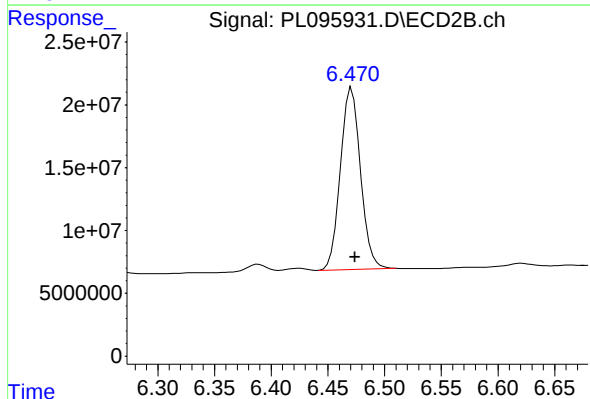
#19 Endosulfan Sulfate

R.T.: 7.175 min
Delta R.T.: -0.008 min
Response: 116318974
Conc: 38.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

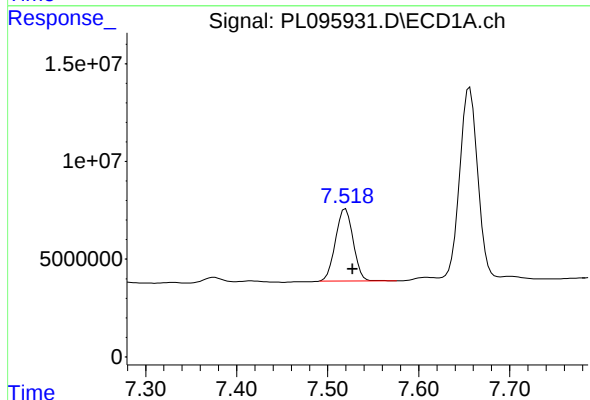
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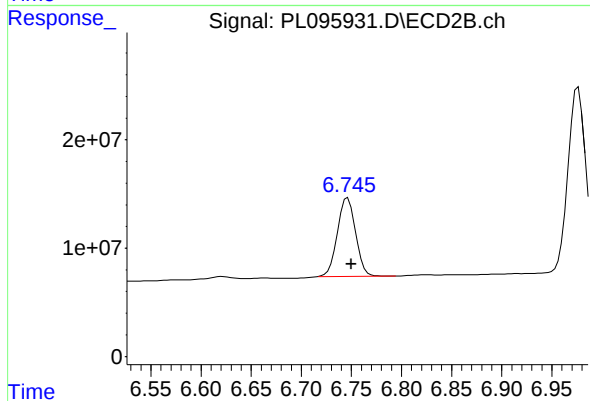
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 178320739
Conc: 39.67 ng/ml



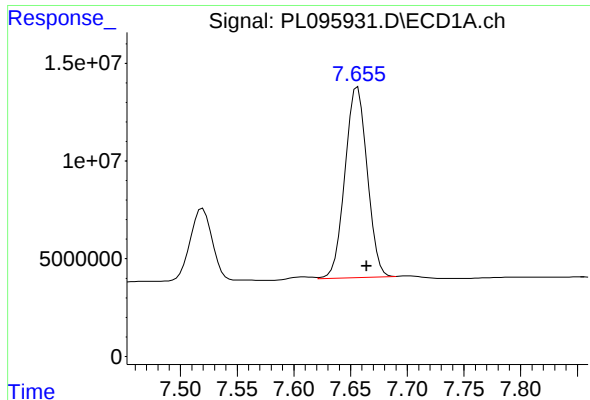
#20 Methoxychlor

R.T.: 7.520 min
Delta R.T.: -0.008 min
Response: 50158422
Conc: 39.33 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: -0.004 min
Response: 91583735
Conc: 35.01 ng/ml



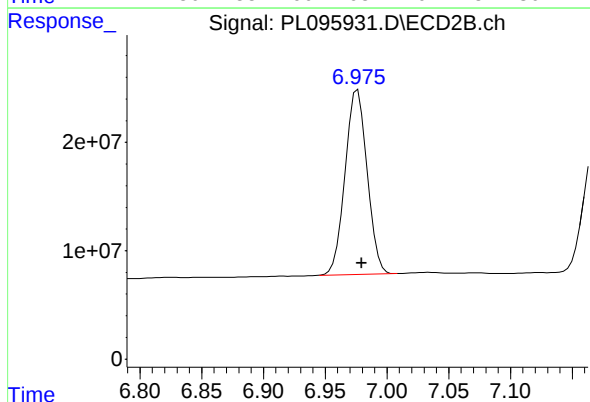
#21 Endrin ketone

R.T.: 7.656 min
Delta R.T.: -0.008 min
Response: 133088657
Conc: 42.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

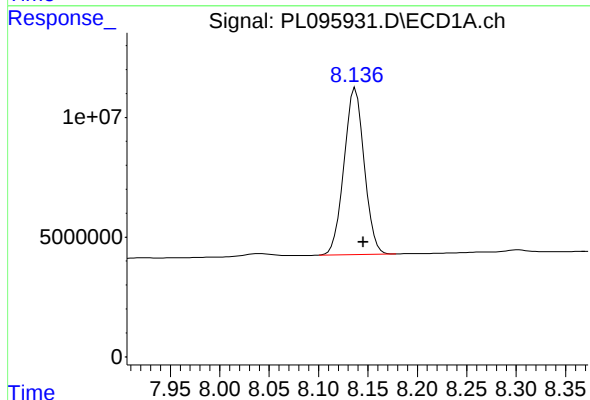
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



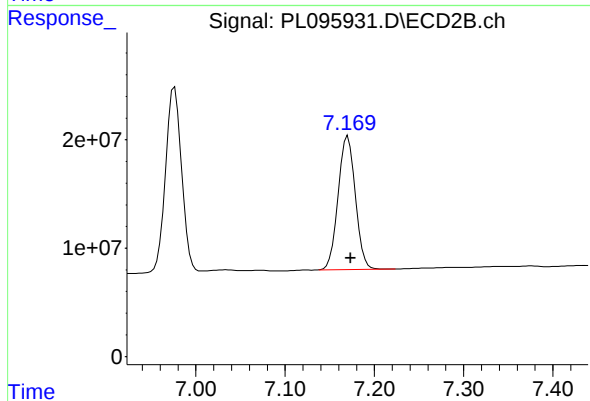
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.003 min
Response: 211810931
Conc: 40.94 ng/ml



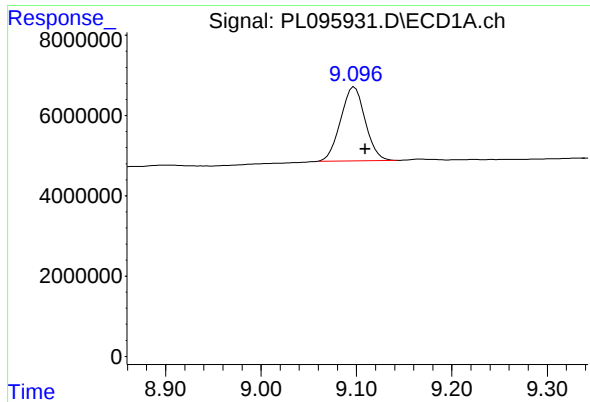
#22 Mirex

R.T.: 8.137 min
Delta R.T.: -0.008 min
Response: 98743874
Conc: 42.68 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 165318553
Conc: 40.71 ng/ml



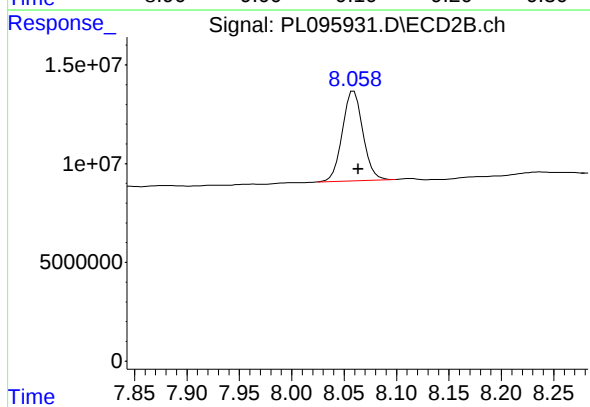
#28 Decachlorobiphenyl

R.T.: 9.098 min
Delta R.T.: -0.011 min
Response: 33001490
Conc: 14.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
COMP-12MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/05/2025
Supervised By :mohammad ahmed 06/06/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.005 min
Response: 62177095
Conc: 14.21 ng/ml