

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094648.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 18:29
 Operator : AR\AJ
 Sample : Q1488-02MS
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 ENV-101-SB01MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/13/2025
 Supervised By : mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:35:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.537	2.772	58418796	76941111	20.638	21.557
28) SA Decachlor...	9.051	7.904	58727746	108.4E6	27.867	26.831
Target Compounds						
2) A alpha-BHC	3.993	3.272	220.4E6	303.6E6	53.082	56.319m
3) MA gamma-BHC...	4.324	3.603	294.5E6	339.4E6	73.803m	66.045
4) MA Heptachlor	4.913	3.941	200.3E6	282.3E6	51.590	53.577
5) MB Aldrin	5.254	4.219	190.5E6	271.2E6	51.597	55.620
6) B beta-BHC	4.524	3.903	93685857	127.7E6	50.772	57.479
7) B delta-BHC	4.770	4.131	244.1E6	295.2E6	62.678	59.008
8) B Heptachlo...	5.681	4.722	178.0E6	257.8E6	53.214	56.312
9) A Endosulfan I	6.066	5.092	162.4E6	246.5E6	52.884	56.176
10) B gamma-Chl...	5.937	4.972	176.7E6	270.2E6	52.453	55.967
11) B alpha-Chl...	6.016	5.035	174.3E6	265.0E6	52.855	55.531
12) B 4,4'-DDE	6.189	5.224	167.3E6	265.9E6	56.880	57.197
13) MA Dieldrin	6.342	5.356	177.9E6	276.1E6	55.619	56.902
14) MA Endrin	6.571	5.631	144.1E6	252.6E6	51.985	57.894
15) B Endosulfa...	6.791	5.926	152.5E6	249.6E6	56.189	57.675
16) A 4,4'-DDD	6.708	5.779	131.5E6	220.4E6	60.720	61.293
17) MA 4,4'-DDT	7.021	6.029	137.7E6	234.8E6	57.895	58.224
18) B Endrin al...	6.922	6.106	113.4E6	189.3E6	53.741	56.259
19) B Endosulfa...	7.156	6.328	138.9E6	242.5E6	57.100	59.533
20) A Methoxychlor	7.497	6.604	68590351	119.8E6	57.298	56.475
21) B Endrin ke...	7.641	6.833	156.0E6	287.5E6	59.025	60.234
22) Mirex	8.113	7.011	114.3E6	212.4E6	55.333	55.960m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094648.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 18:29
Operator : AR\AJ
Sample : Q1488-02MS
Misc :
ALS Vial : 24 Sample Multiplier: 1

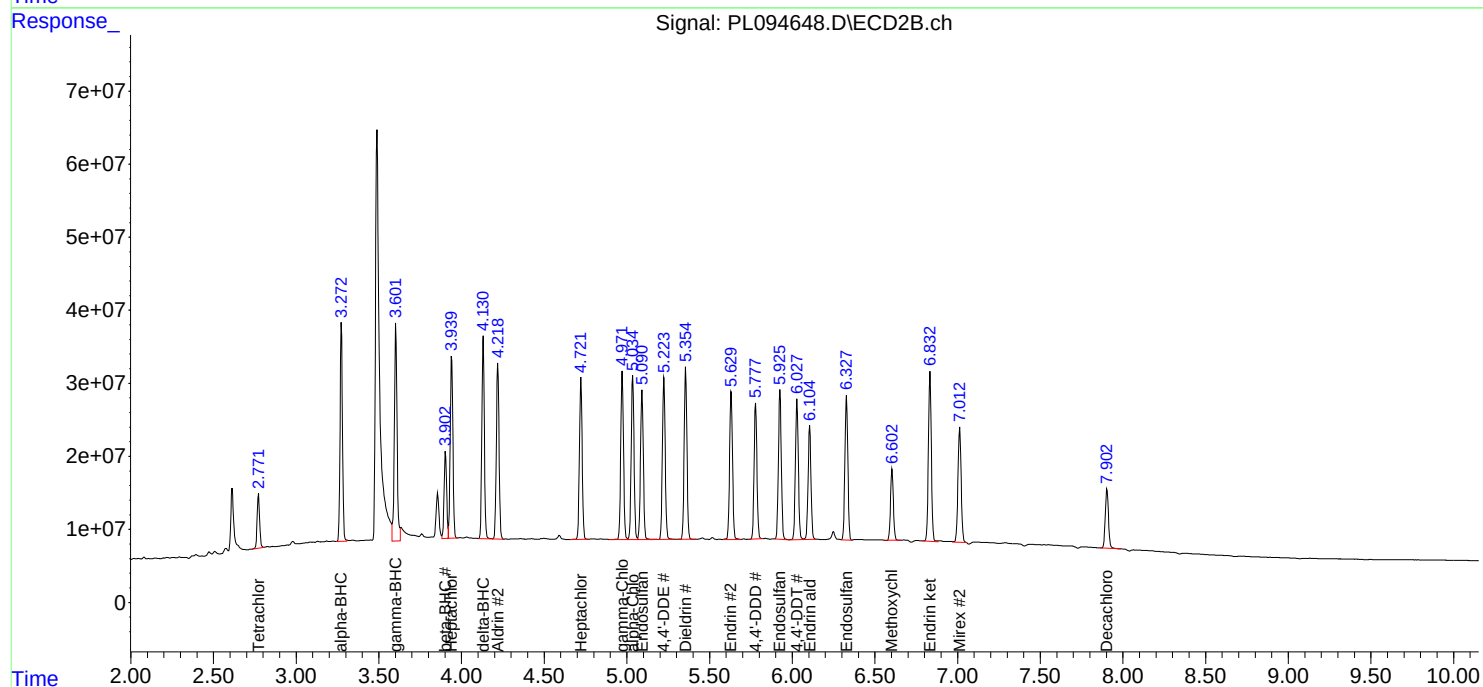
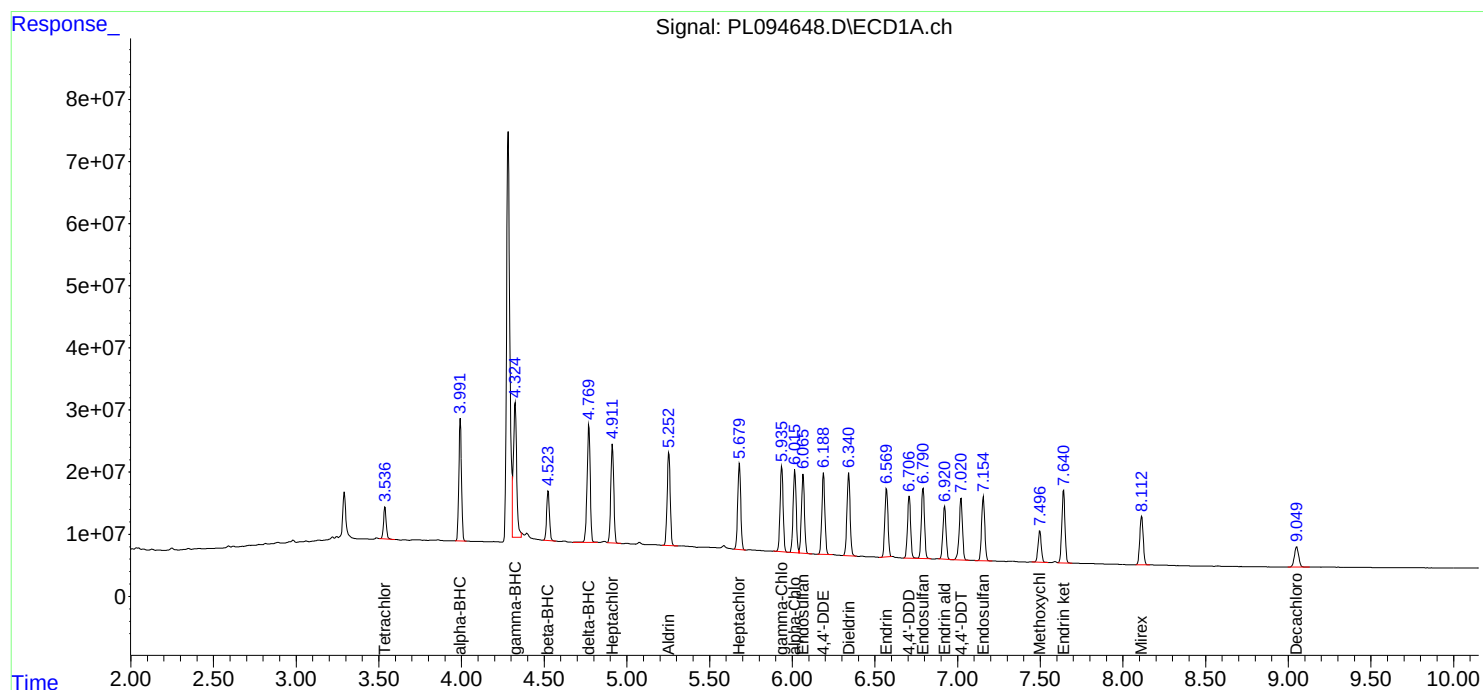
Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

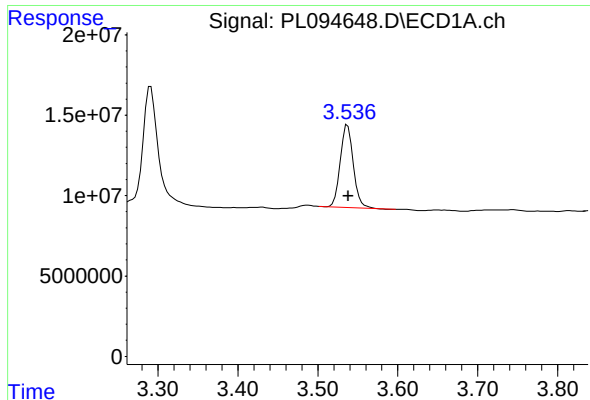
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:35:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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





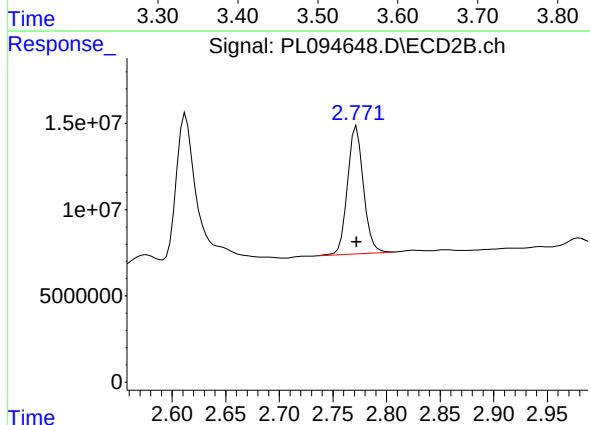
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 58418796
Conc: 20.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

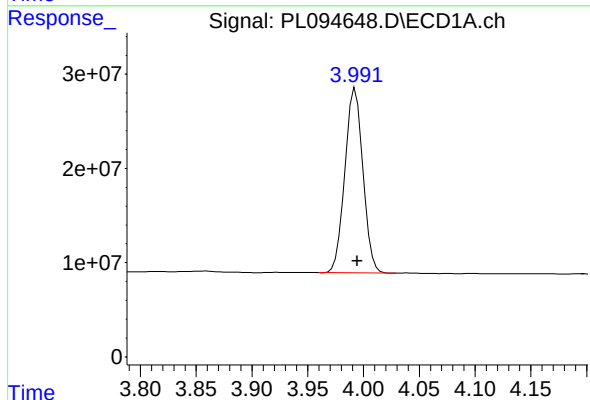
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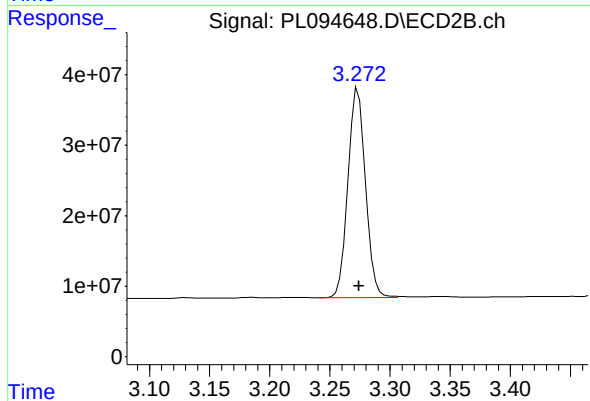
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 76941111
Conc: 21.56 ng/ml



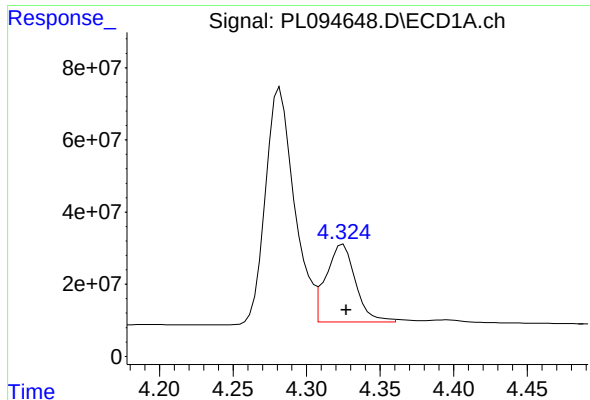
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.002 min
Response: 220416742
Conc: 53.08 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 303635907
Conc: 56.32 ng/ml m



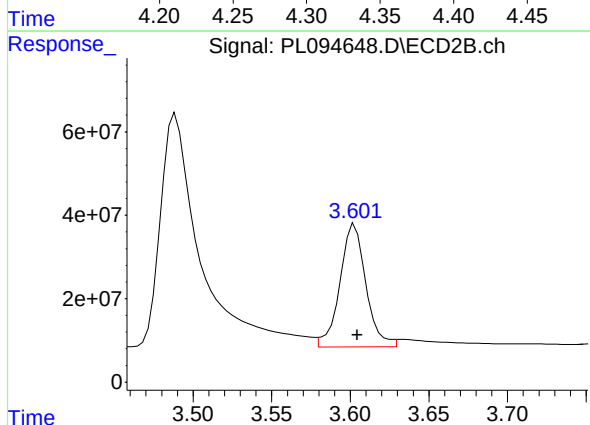
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 294495445
Conc: 73.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

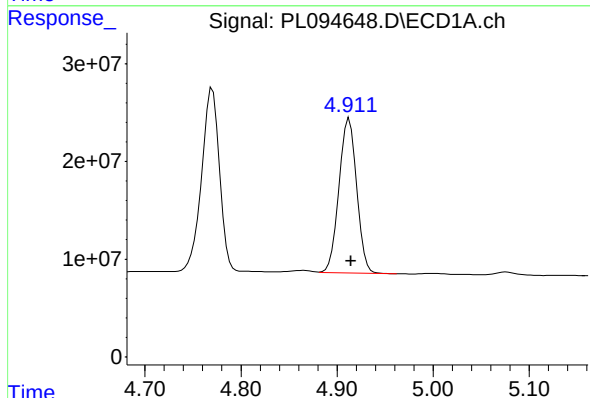
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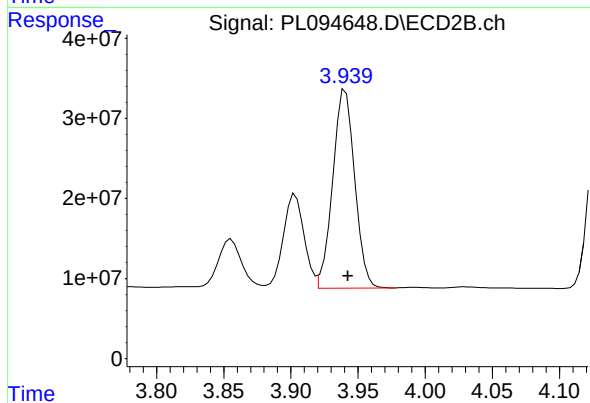
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: -0.001 min
Response: 339435503
Conc: 66.05 ng/ml



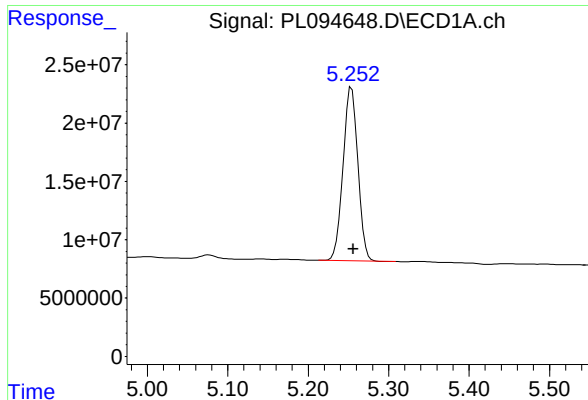
#4 Heptachlor

R.T.: 4.913 min
Delta R.T.: -0.002 min
Response: 200253641
Conc: 51.59 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.002 min
Response: 282276109
Conc: 53.58 ng/ml



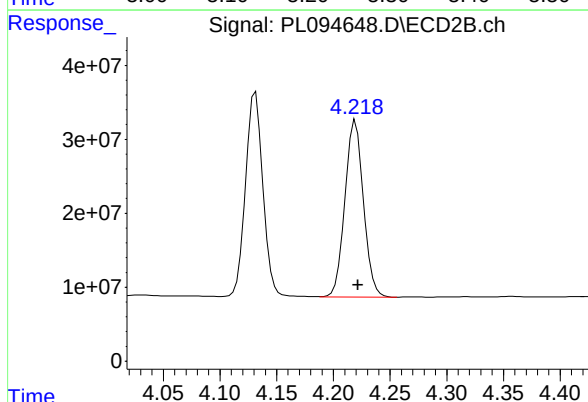
#5 Aldrin

R.T.: 5.254 min
Delta R.T.: -0.002 min
Response: 190505663
Conc: 51.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

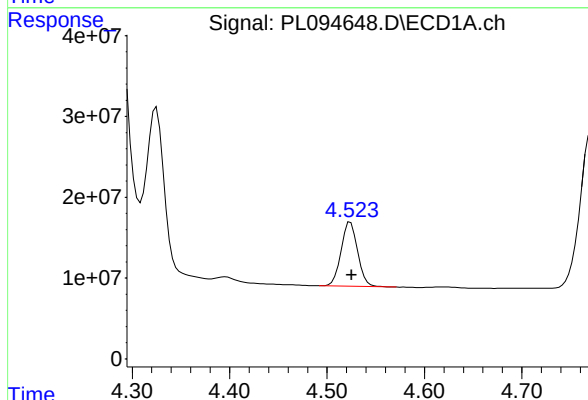
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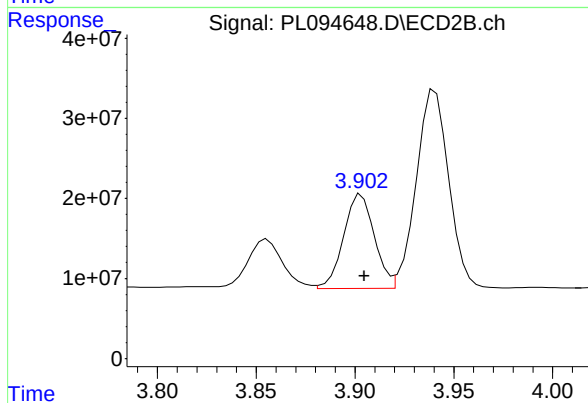
#5 Aldrin

R.T.: 4.219 min
Delta R.T.: -0.002 min
Response: 271223607
Conc: 55.62 ng/ml



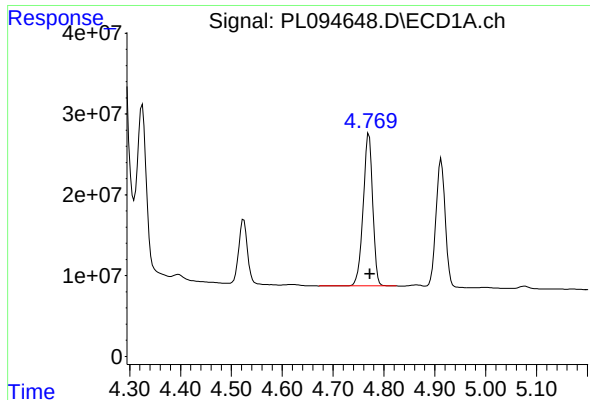
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: -0.001 min
Response: 93685857
Conc: 50.77 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.001 min
Response: 127676690
Conc: 57.48 ng/ml



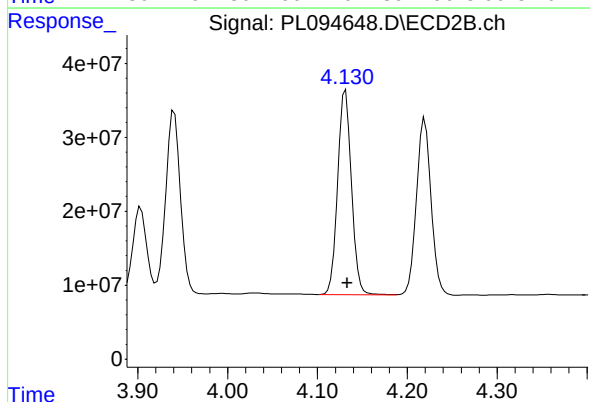
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.002 min
Response: 244087426
Conc: 62.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

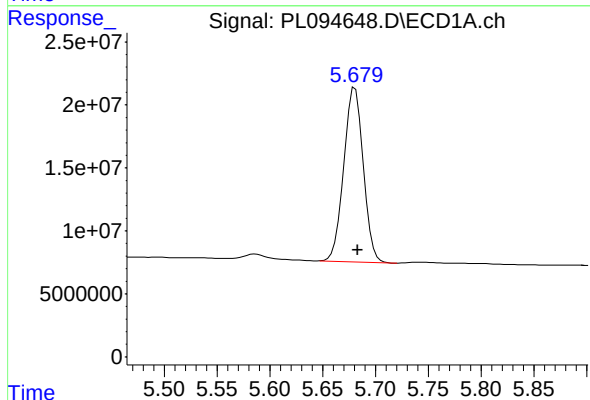
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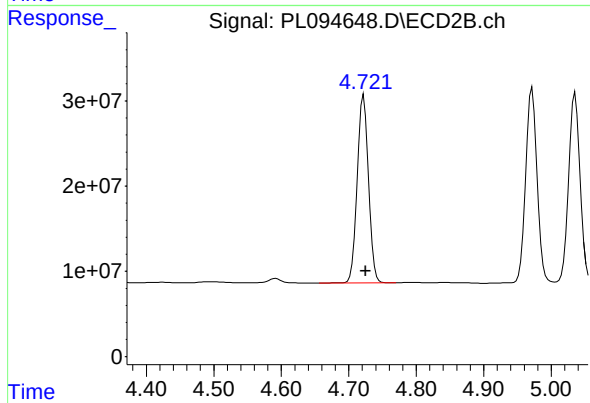
#7 delta-BHC

R.T.: 4.131 min
Delta R.T.: -0.002 min
Response: 295155340
Conc: 59.01 ng/ml



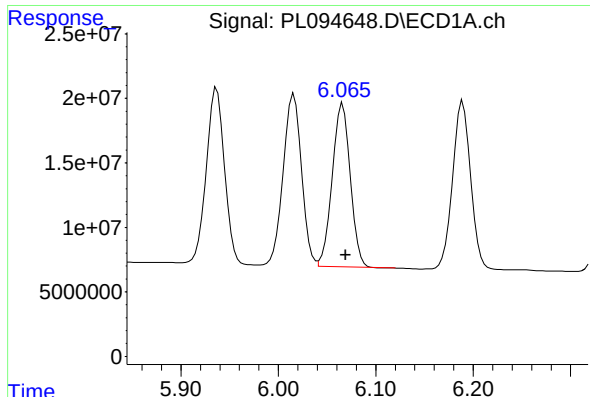
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 178009612
Conc: 53.21 ng/ml



#8 Heptachlor epoxide

R.T.: 4.722 min
Delta R.T.: -0.002 min
Response: 257831142
Conc: 56.31 ng/ml



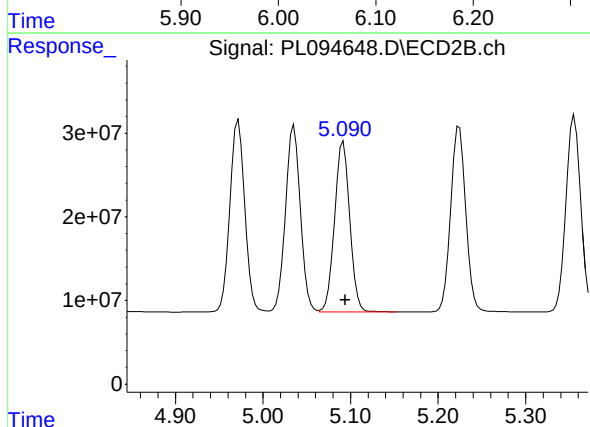
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 162363396
Conc: 52.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

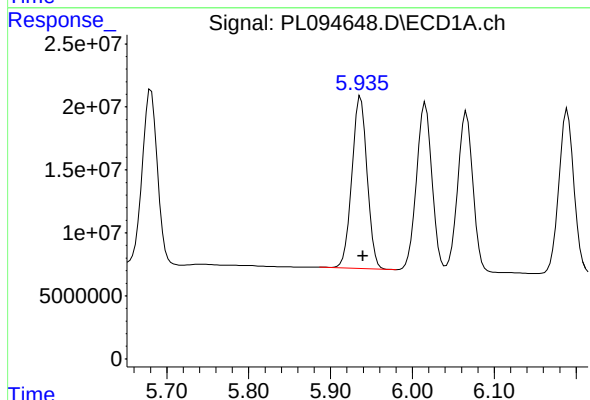
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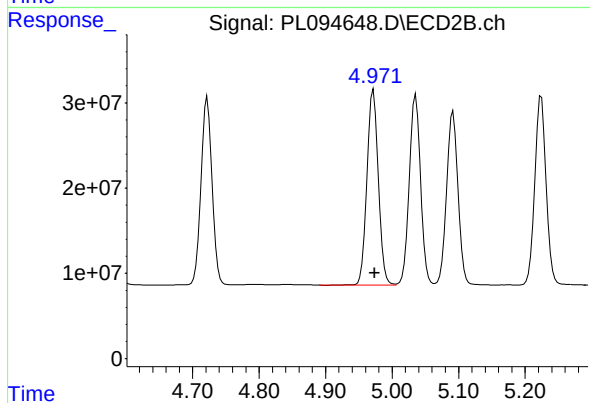
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 246539469
Conc: 56.18 ng/ml



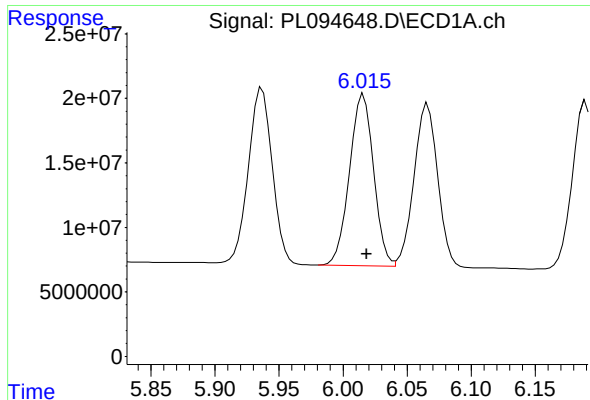
#10 gamma-Chlordane

R.T.: 5.937 min
Delta R.T.: -0.003 min
Response: 176735052
Conc: 52.45 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 270231612
Conc: 55.97 ng/ml



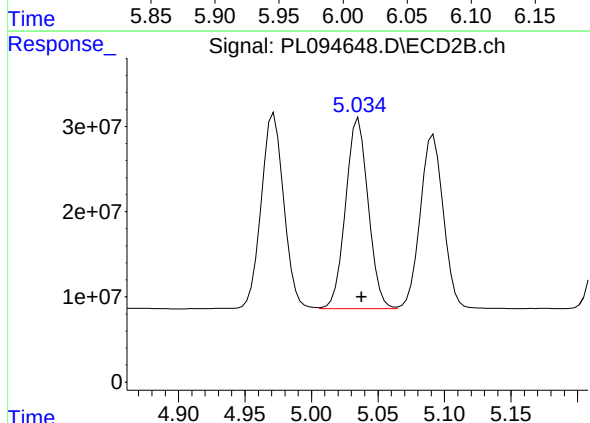
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.002 min
Response: 174255241
Conc: 52.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

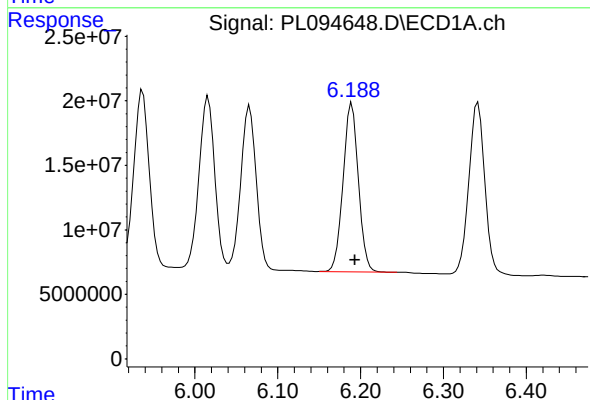
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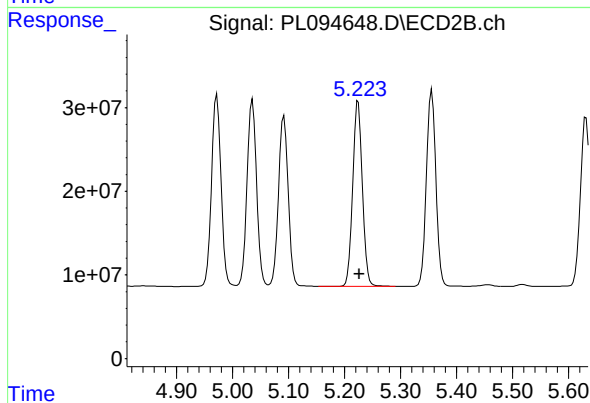
#11 alpha-Chlordane

R.T.: 5.035 min
Delta R.T.: -0.002 min
Response: 265038215
Conc: 55.53 ng/ml



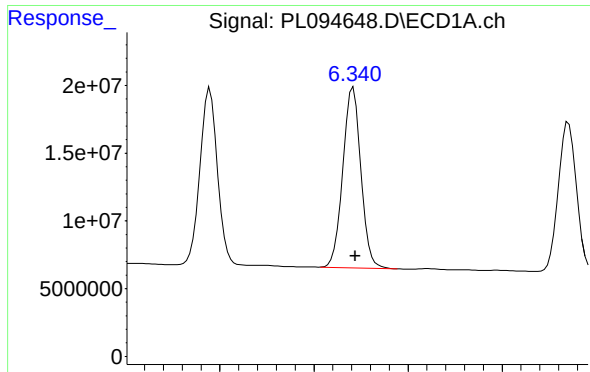
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 167344490
Conc: 56.88 ng/ml



#12 4,4'-DDE

R.T.: 5.224 min
Delta R.T.: -0.002 min
Response: 265882312
Conc: 57.20 ng/ml



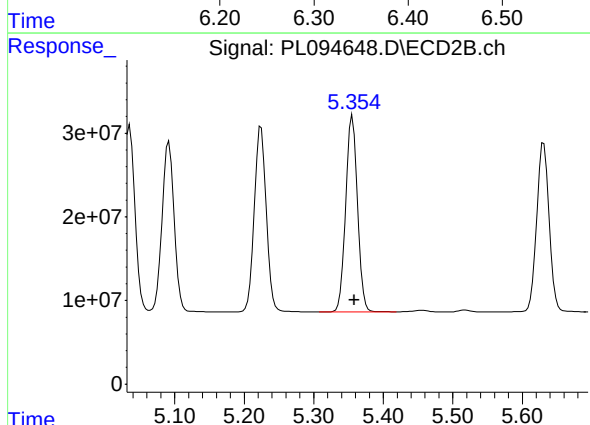
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.002 min
Response: 177877178
Conc: 55.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

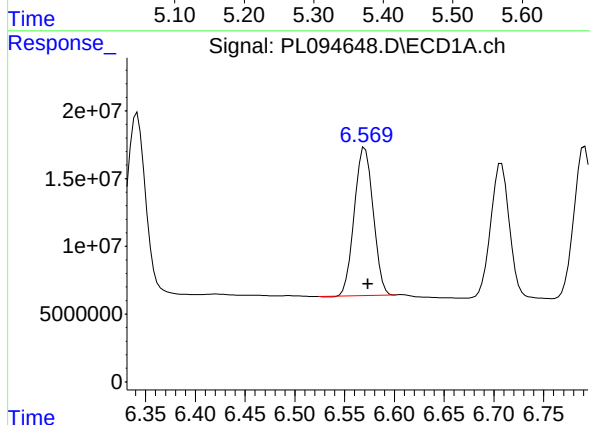
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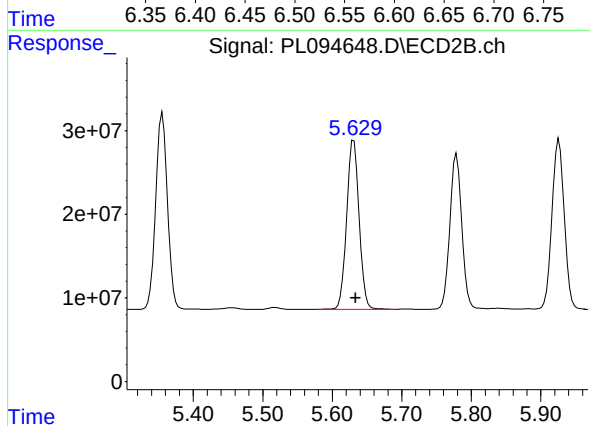
#13 Dieldrin

R.T.: 5.356 min
Delta R.T.: -0.003 min
Response: 276078423
Conc: 56.90 ng/ml



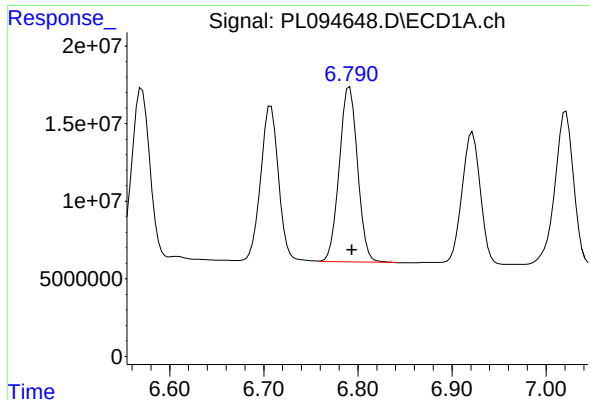
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 144106117
Conc: 51.98 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 252629205
Conc: 57.89 ng/ml



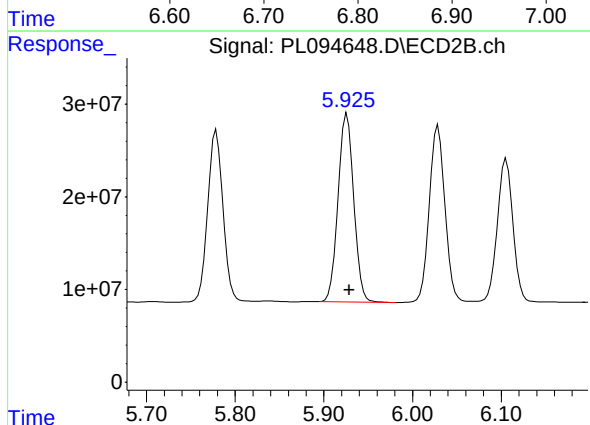
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: -0.002 min
Response: 152539112
Conc: 56.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

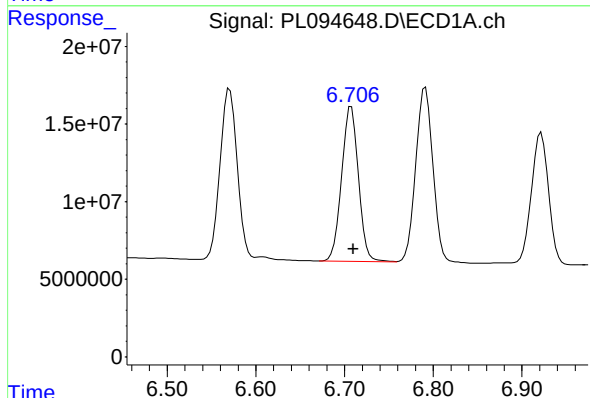
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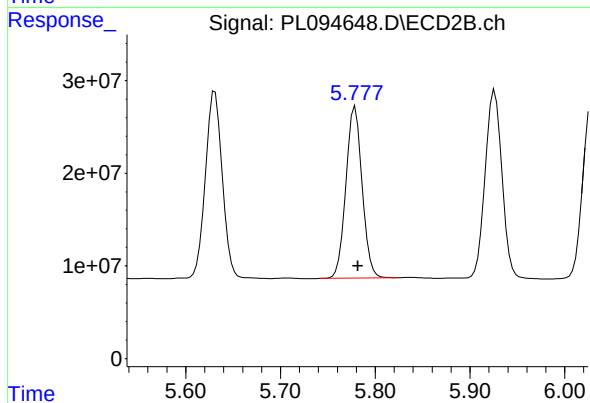
#15 Endosulfan II

R.T.: 5.926 min
Delta R.T.: -0.002 min
Response: 249633992
Conc: 57.68 ng/ml



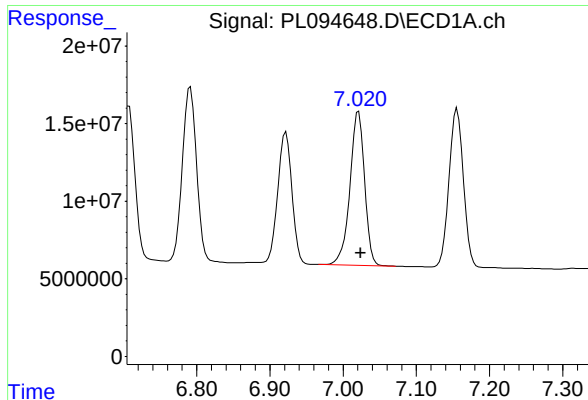
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 131523345
Conc: 60.72 ng/ml



#16 4,4'-DDD

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 220403765
Conc: 61.29 ng/ml



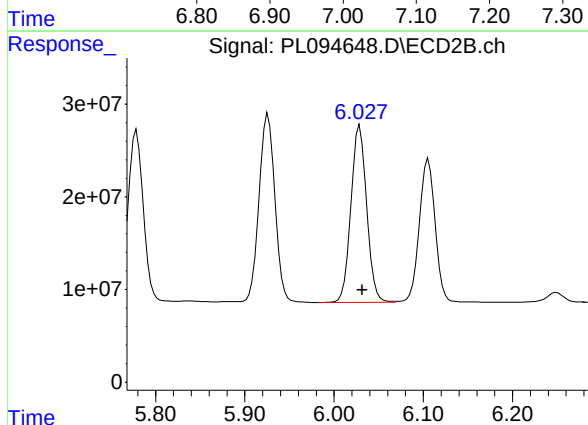
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.003 min
Response: 137704985
Conc: 57.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

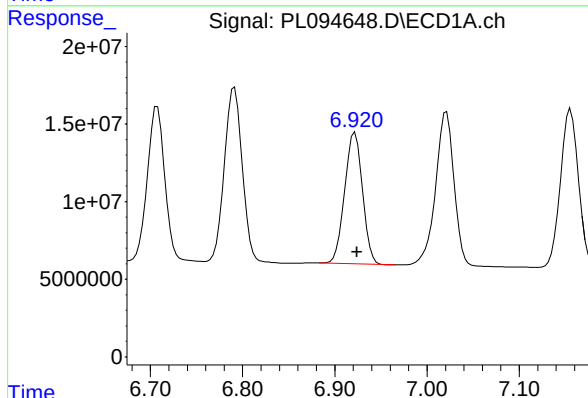
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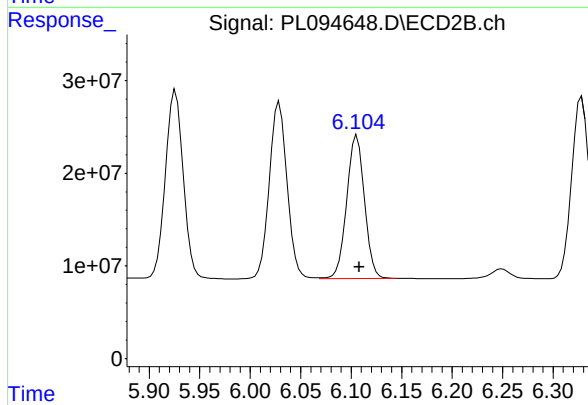
#17 4,4'-DDT

R.T.: 6.029 min
Delta R.T.: -0.003 min
Response: 234766068
Conc: 58.22 ng/ml



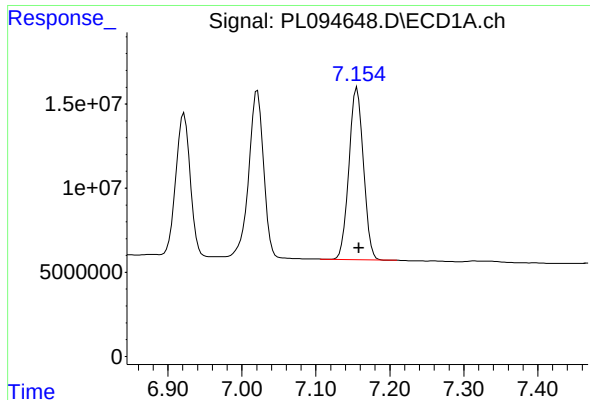
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 113447224
Conc: 53.74 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.002 min
Response: 189331898
Conc: 56.26 ng/ml



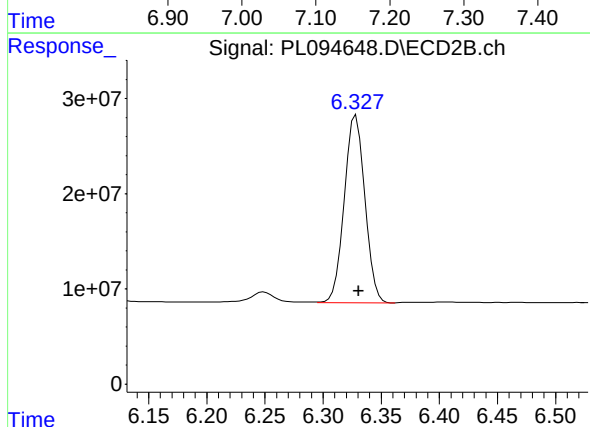
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.003 min
Response: 138867381
Conc: 57.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

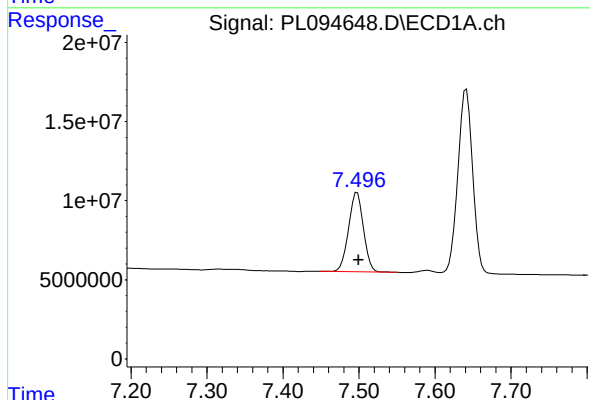
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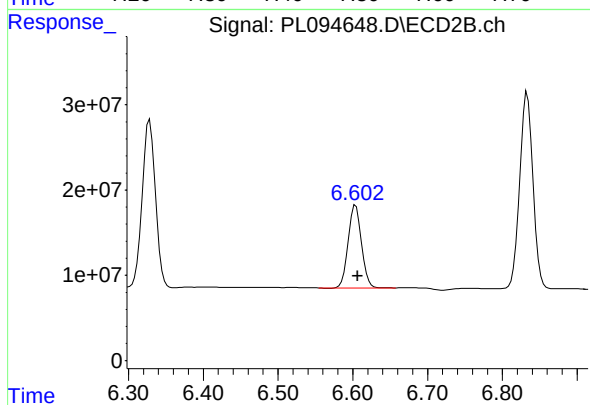
#19 Endosulfan Sulfate

R.T.: 6.328 min
Delta R.T.: -0.002 min
Response: 242502939
Conc: 59.53 ng/ml



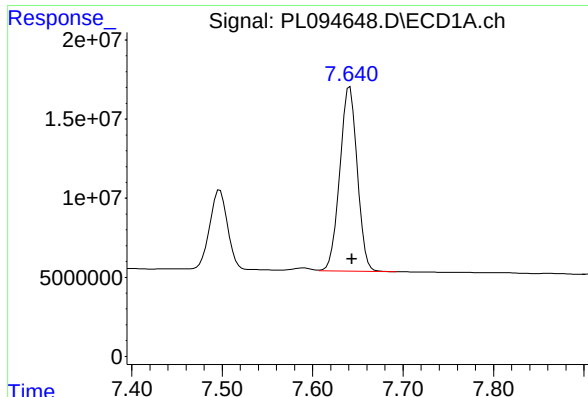
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: -0.002 min
Response: 68590351
Conc: 57.30 ng/ml



#20 Methoxychlor

R.T.: 6.604 min
Delta R.T.: -0.003 min
Response: 119788008
Conc: 56.48 ng/ml



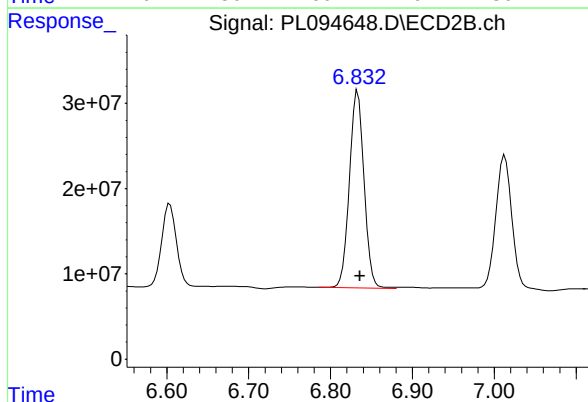
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.002 min
Response: 156018836
Conc: 59.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

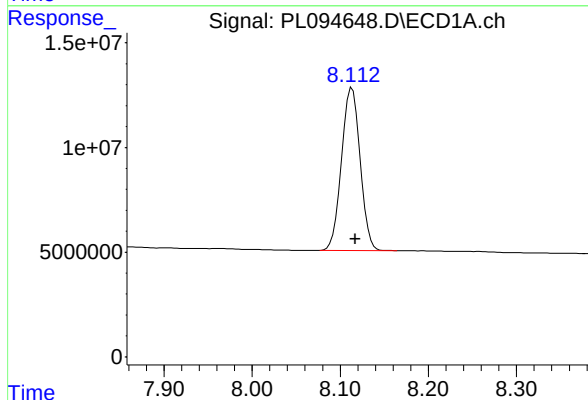
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



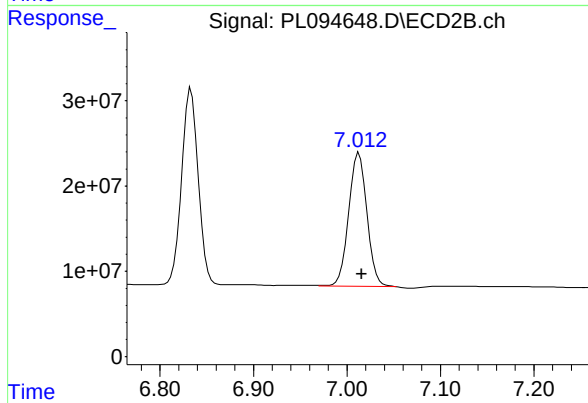
#21 Endrin ketone

R.T.: 6.833 min
Delta R.T.: -0.003 min
Response: 287472795
Conc: 60.23 ng/ml



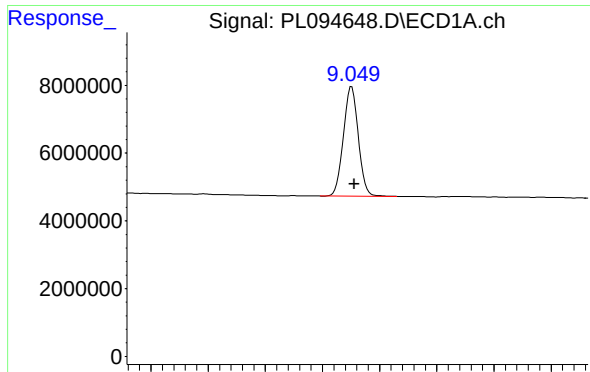
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.003 min
Response: 114333436
Conc: 55.33 ng/ml



#22 Mirex

R.T.: 7.011 min
Delta R.T.: -0.004 min
Response: 212384049
Conc: 55.96 ng/ml m



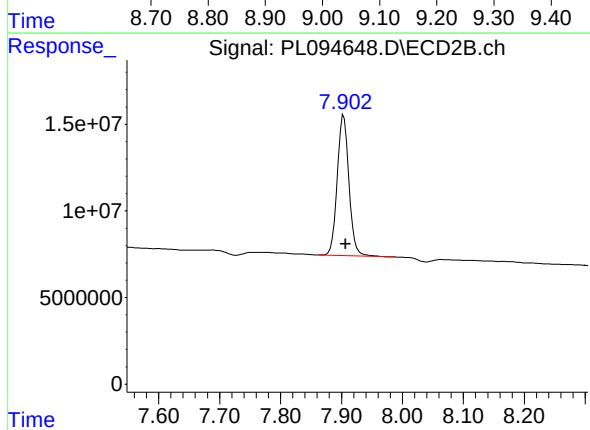
#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.005 min
Response: 58727746
Conc: 27.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
ENV-101-SB01MS

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#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.003 min
Response: 108381984
Conc: 26.83 ng/ml