

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032222\
 Data File : PL073563.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Mar 2022 12:18
 Operator : AR\AJ
 Sample : N1958-16MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 C-1-0-1MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/23/2022
 Supervised By : mohammad ahmed 03/23/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 23 01:41:09 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031122.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 14 04:12:46 2022
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	4.652	5.488	5903659	32788868	18.432	19.978
28)	SA Decachlor...	10.423	11.332	10739888	37558906	21.121	21.004
Target Compounds							
2)	A alpha-BHC	5.360	6.051	21585590	131.1E6	52.366	58.255
3)	MA gamma-BHC...	5.783	6.441	21674419	121.4E6	51.960	56.863
4)	MA Heptachlor	6.194	7.101	23070659	130.1E6	51.132	55.504
5)	MB Aldrin	6.519	7.469	21202907	120.2E6	51.318	57.388
6)	B beta-BHC	6.163	6.677	10675469	55047530	51.849	52.810
7)	B delta-BHC	6.424	6.945	21473425	121.3E6	53.463	56.340
8)	B Heptachlo...	7.096	7.925	22219399	113.7E6	51.556	56.935
9)	A Endosulfan I	7.499	8.326	21281233	102.8E6	51.878	56.313
10)	B gamma-Chl...	7.373	8.193	22607453	114.9E6	51.698	56.276
11)	B alpha-Chl...	7.443	8.276	22794345	112.0E6	51.579	56.007
12)	B 4,4'-DDE	7.657	8.461	18958557	102.8E6	52.833	57.332
13)	MA Dieldrin	7.785	8.611	21843910	104.8E6	52.431	56.789
14)	MA Endrin	8.076	8.846	20233518	83936809	52.148	54.525
15)	B Endosulfa...	8.387	9.070	20363302	84536841	52.096	55.043
16)	A 4,4'-DDD	8.242	8.988	17766760	82999239	54.711	56.860
17)	MA 4,4'-DDT	8.503	9.307	18630603	85847719	49.264	52.521
18)	B Endrin al...	8.575	9.201	16014284	66351435	50.638	54.107m
19)	B Endosulfa...	8.806	9.440	21981813	86112193	52.037	54.637
20)	A Methoxychlor	9.099	9.787	12148976	44136192	47.358	48.982
21)	B Endrin ke...	9.324	9.928	26900192	91760467	54.985	55.592
22)	Mirex	9.512	10.404	26802924	82957775	56.839	61.068

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

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Manual Integrations

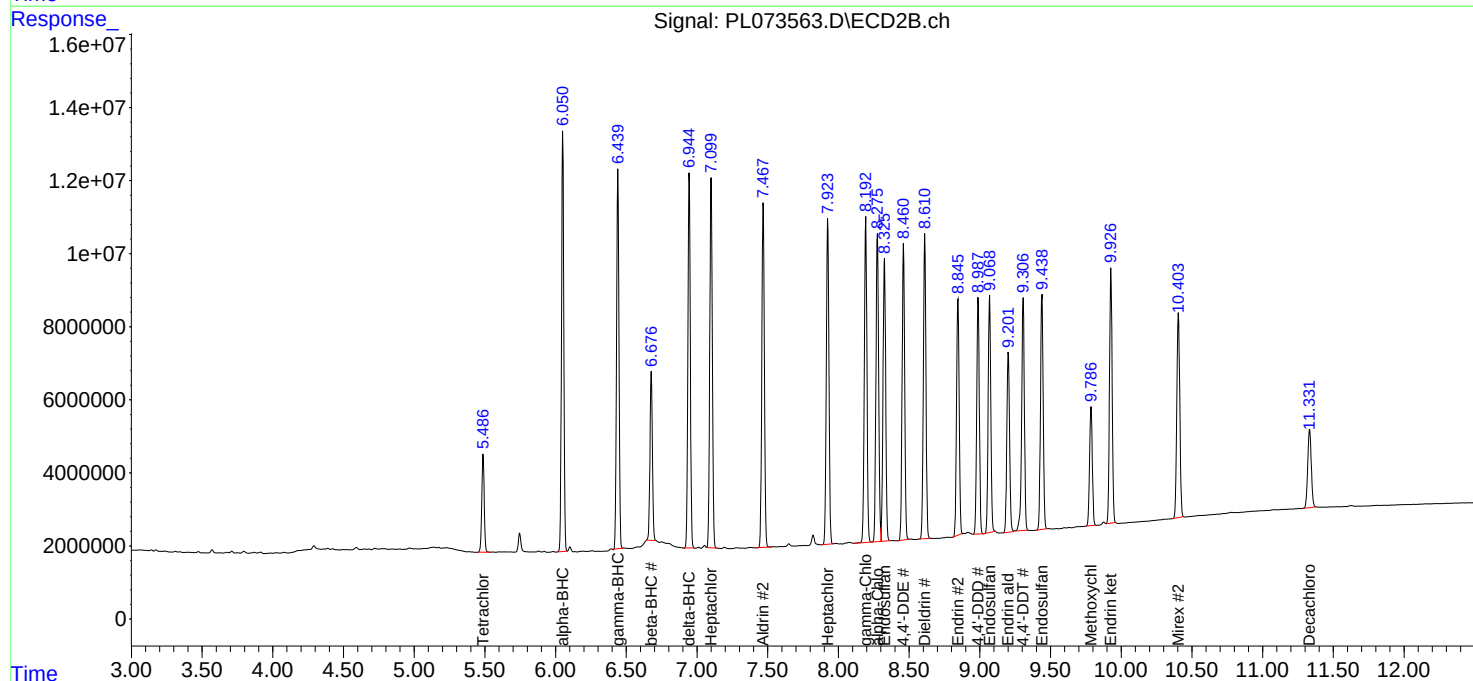
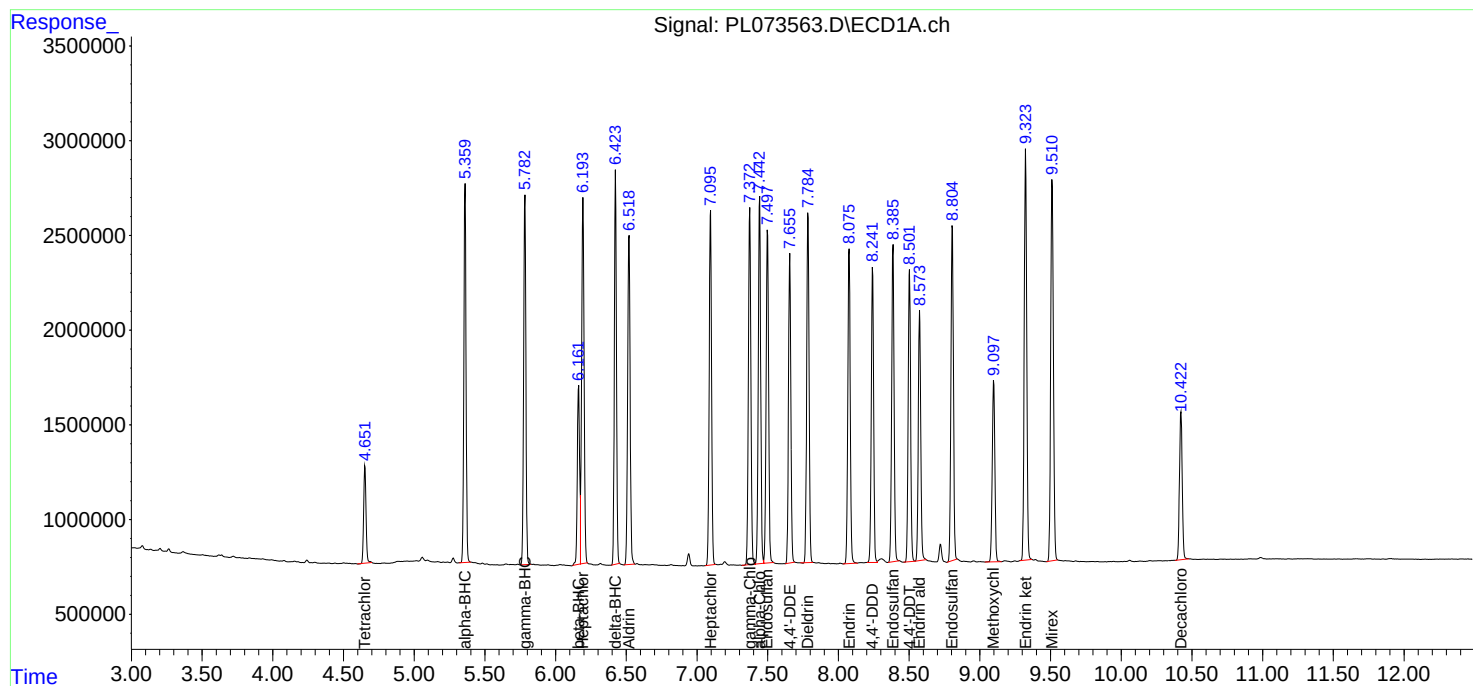
APPROVED

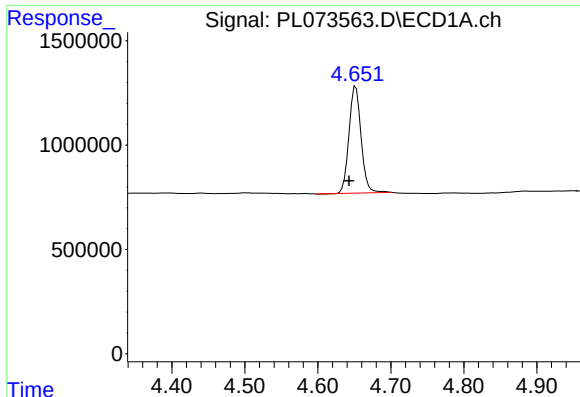
Reviewed By :Abdul Mirza 03/23/2022

Supervised By :mohammad ahmed 03/23/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
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 Signal #1 Info : 30M x 0.32mm x0.2 Signal #2 Info : 30M x 0.32mm x0.5µm





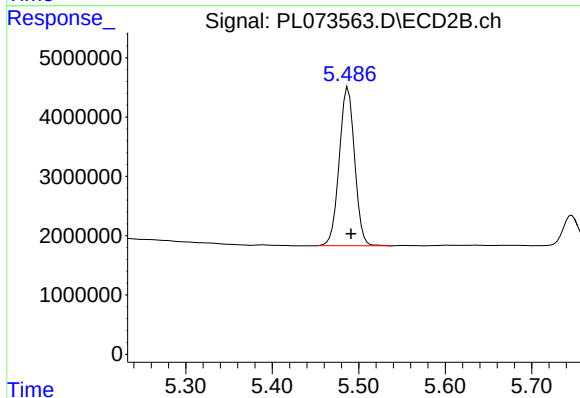
#1 Tetrachloro-m-xylene

R.T.: 4.652 min
Delta R.T.: 0.009 min
Response: 5903659
Conc: 18.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

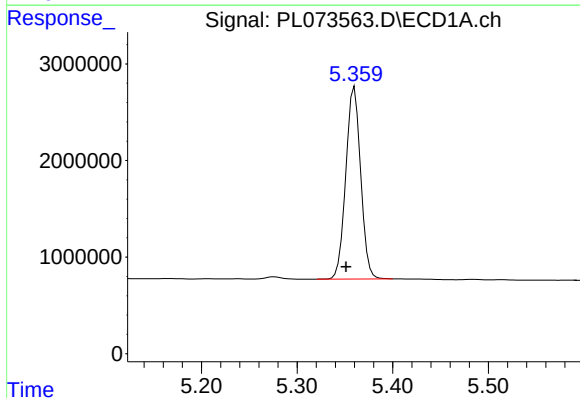
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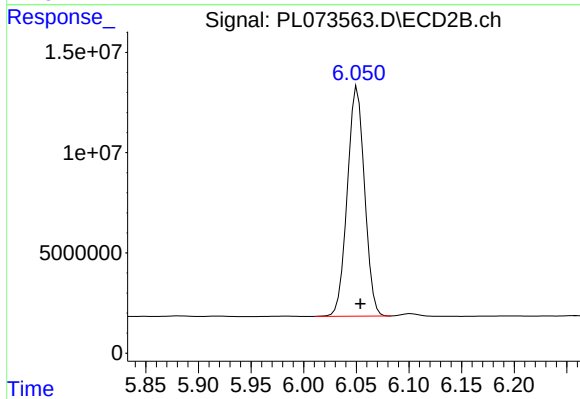
#1 Tetrachloro-m-xylene

R.T.: 5.488 min
Delta R.T.: -0.003 min
Response: 32788868
Conc: 19.98 ng/ml



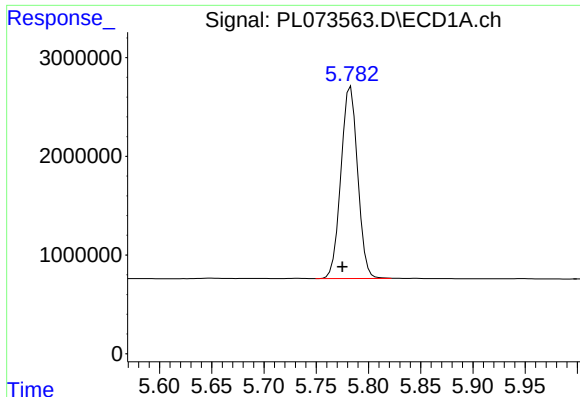
#2 alpha-BHC

R.T.: 5.360 min
Delta R.T.: 0.009 min
Response: 21585590
Conc: 52.37 ng/ml



#2 alpha-BHC

R.T.: 6.051 min
Delta R.T.: -0.003 min
Response: 131052854
Conc: 58.25 ng/ml



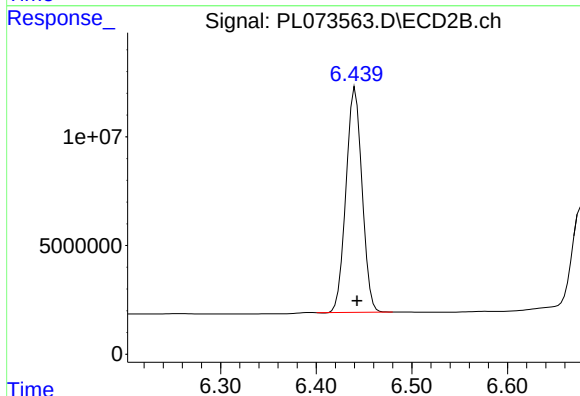
#3 gamma-BHC (Lindane)

R.T.: 5.783 min
Delta R.T.: 0.008 min
Response: 21674419
Conc: 51.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

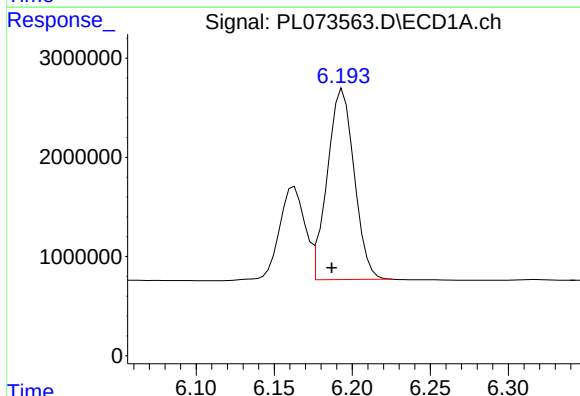
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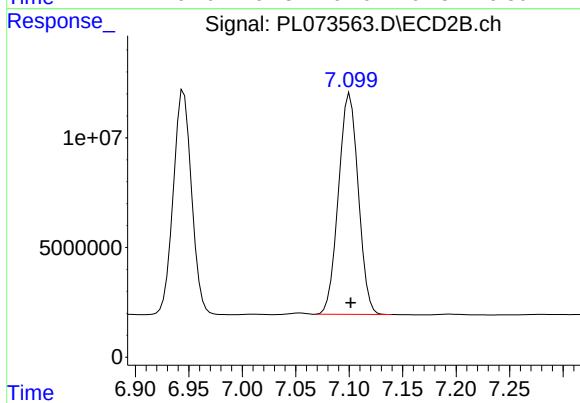
#3 gamma-BHC (Lindane)

R.T.: 6.441 min
Delta R.T.: -0.002 min
Response: 121407017
Conc: 56.86 ng/ml



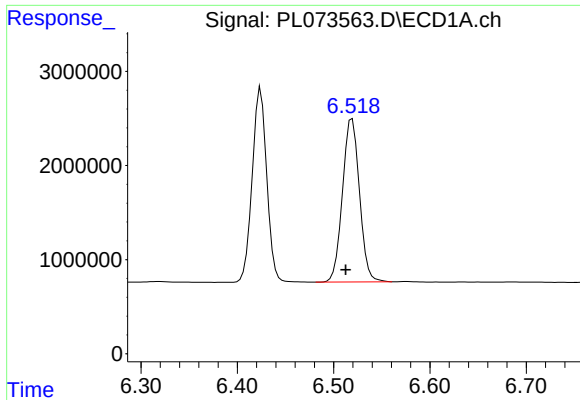
#4 Heptachlor

R.T.: 6.194 min
Delta R.T.: 0.007 min
Response: 23070659
Conc: 51.13 ng/ml



#4 Heptachlor

R.T.: 7.101 min
Delta R.T.: 0.000 min
Response: 130052186
Conc: 55.50 ng/ml



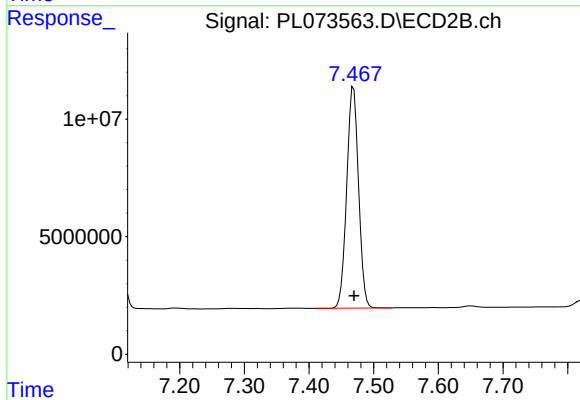
#5 Aldrin

R.T.: 6.519 min
Delta R.T.: 0.007 min
Response: 21202907
Conc: 51.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

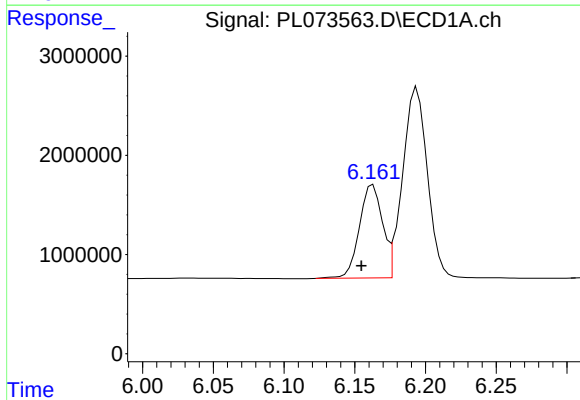
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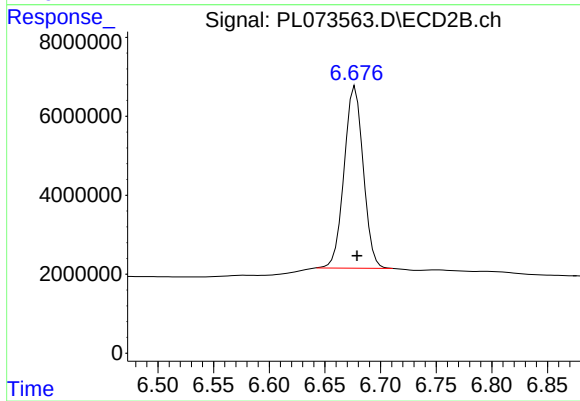
#5 Aldrin

R.T.: 7.469 min
Delta R.T.: -0.001 min
Response: 120225628
Conc: 57.39 ng/ml



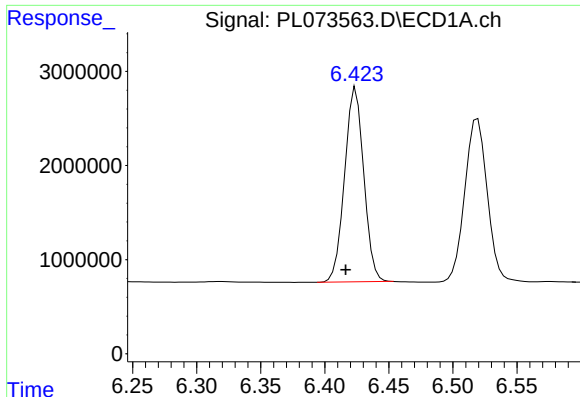
#6 beta-BHC

R.T.: 6.163 min
Delta R.T.: 0.008 min
Response: 10675469
Conc: 51.85 ng/ml



#6 beta-BHC

R.T.: 6.677 min
Delta R.T.: -0.002 min
Response: 55047530
Conc: 52.81 ng/ml



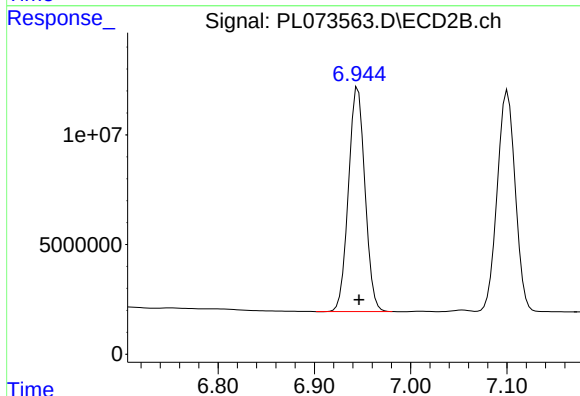
#7 delta-BHC

R.T.: 6.424 min
Delta R.T.: 0.008 min
Response: 21473425
Conc: 53.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

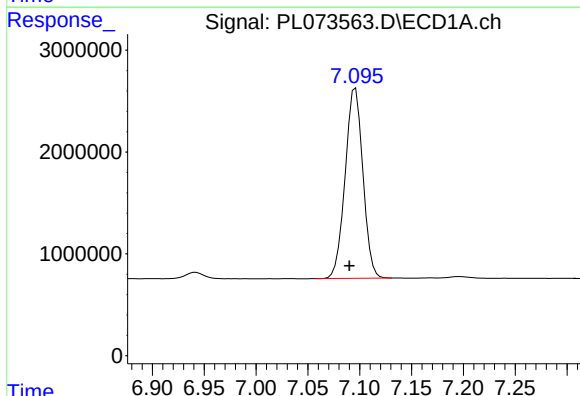
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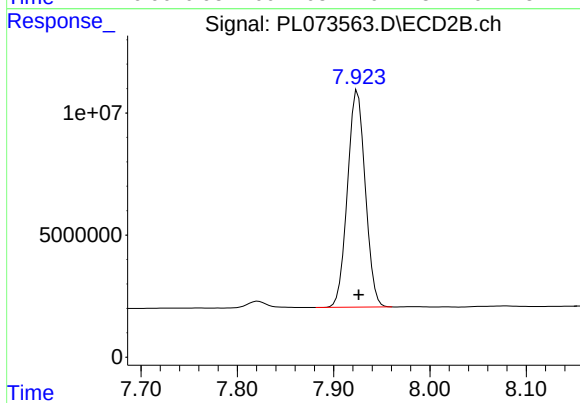
#7 delta-BHC

R.T.: 6.945 min
Delta R.T.: -0.001 min
Response: 121332647
Conc: 56.34 ng/ml



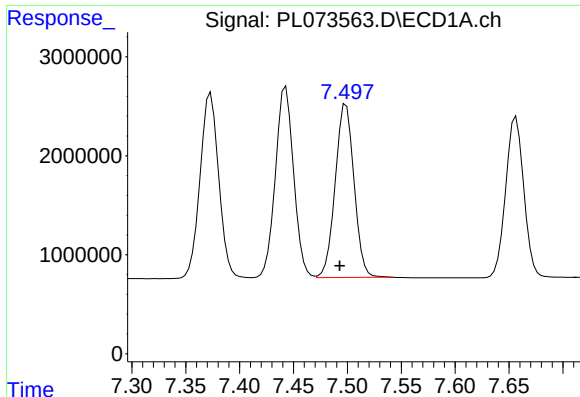
#8 Heptachlor epoxide

R.T.: 7.096 min
Delta R.T.: 0.006 min
Response: 22219399
Conc: 51.56 ng/ml



#8 Heptachlor epoxide

R.T.: 7.925 min
Delta R.T.: -0.001 min
Response: 113716631
Conc: 56.93 ng/ml



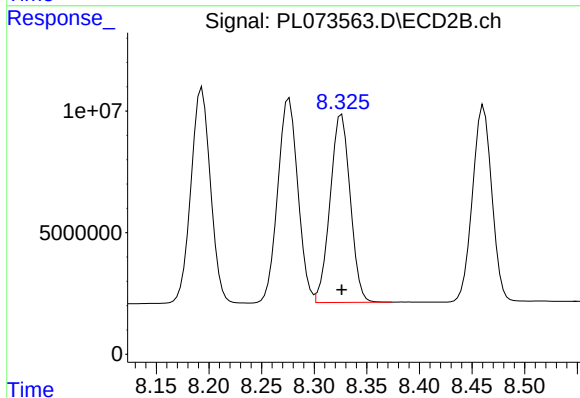
#9 Endosulfan I

R.T.: 7.499 min
Delta R.T.: 0.006 min
Response: 21281233
Conc: 51.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

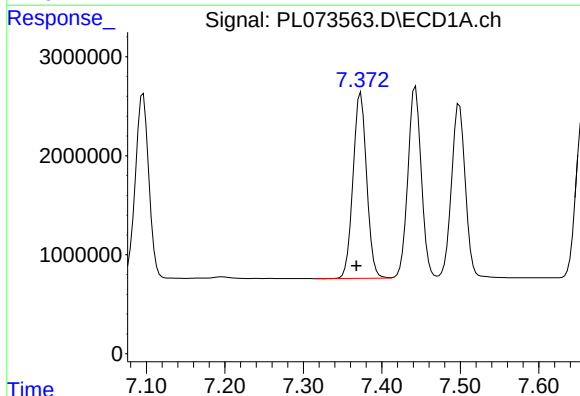
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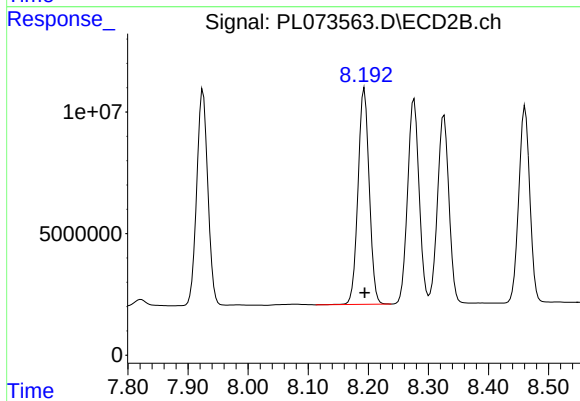
#9 Endosulfan I

R.T.: 8.326 min
Delta R.T.: 0.000 min
Response: 102794108
Conc: 56.31 ng/ml



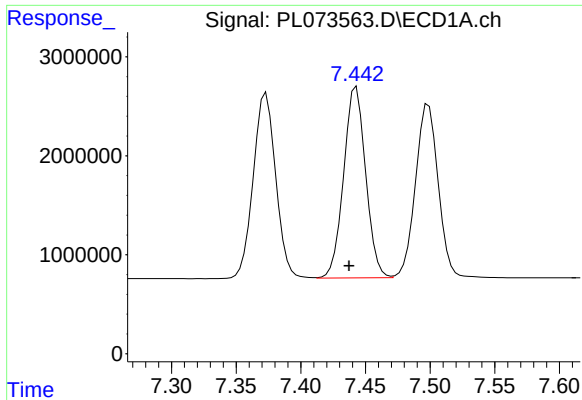
#10 gamma-Chlordane

R.T.: 7.373 min
Delta R.T.: 0.006 min
Response: 22607453
Conc: 51.70 ng/ml



#10 gamma-Chlordane

R.T.: 8.193 min
Delta R.T.: 0.000 min
Response: 114939378
Conc: 56.28 ng/ml



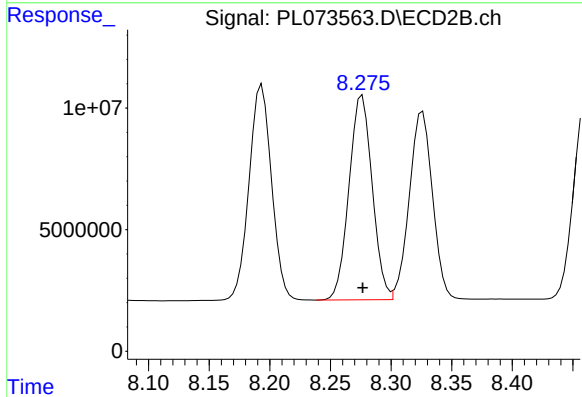
#11 alpha-Chlordane

R.T.: 7.443 min
Delta R.T.: 0.006 min
Response: 22794345
Conc: 51.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

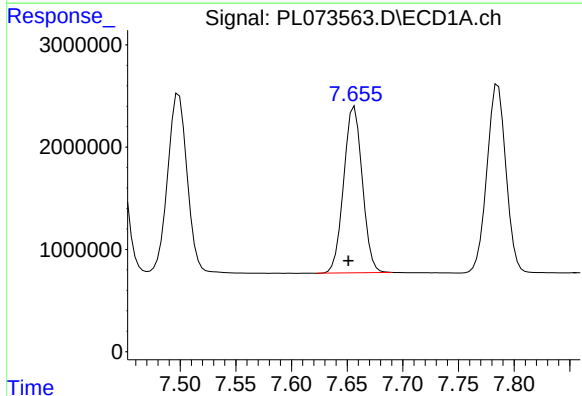
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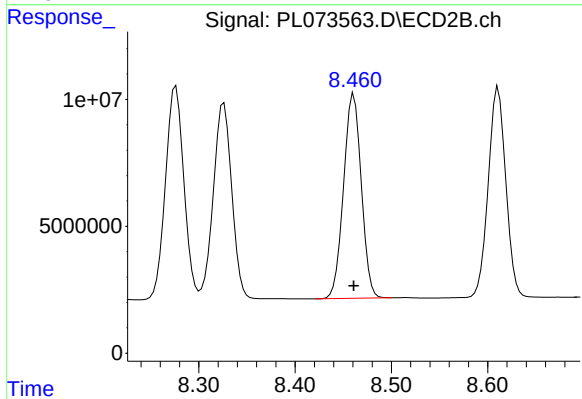
#11 alpha-Chlordane

R.T.: 8.276 min
Delta R.T.: 0.000 min
Response: 112015275
Conc: 56.01 ng/ml



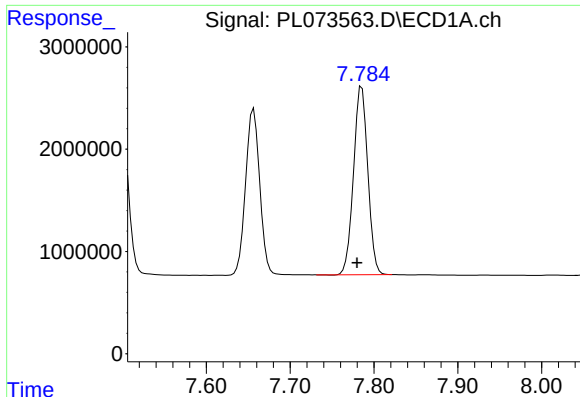
#12 4,4'-DDE

R.T.: 7.657 min
Delta R.T.: 0.006 min
Response: 18958557
Conc: 52.83 ng/ml



#12 4,4'-DDE

R.T.: 8.461 min
Delta R.T.: 0.000 min
Response: 102760797
Conc: 57.33 ng/ml



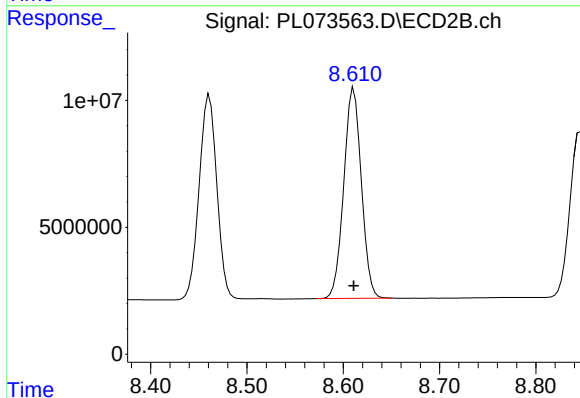
#13 Dieldrin

R.T.: 7.785 min
Delta R.T.: 0.006 min
Response: 21843910
Conc: 52.43 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

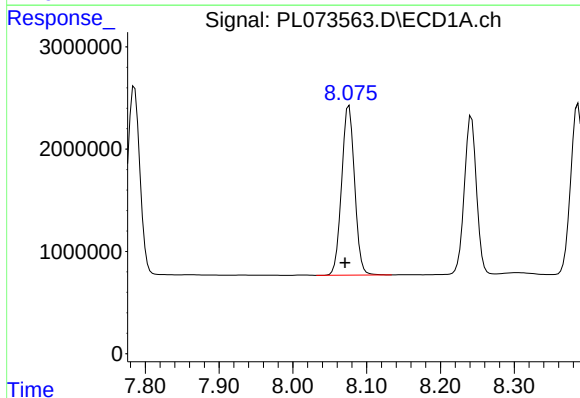
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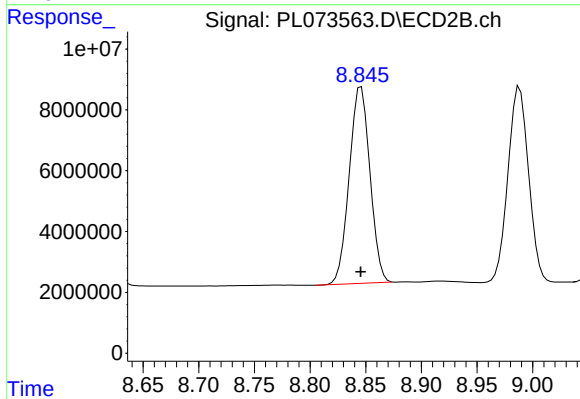
#13 Dieldrin

R.T.: 8.611 min
Delta R.T.: 0.000 min
Response: 104760299
Conc: 56.79 ng/ml



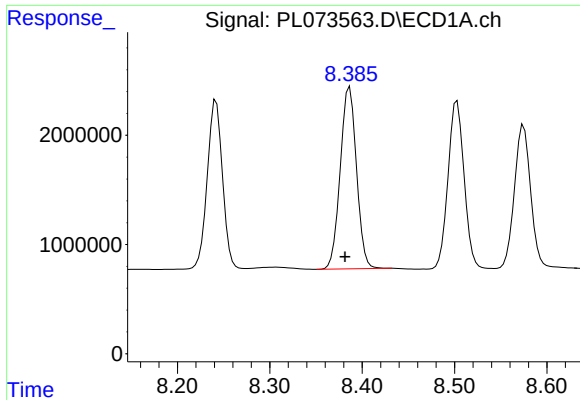
#14 Endrin

R.T.: 8.076 min
Delta R.T.: 0.005 min
Response: 20233518
Conc: 52.15 ng/ml



#14 Endrin

R.T.: 8.846 min
Delta R.T.: 0.000 min
Response: 83936809
Conc: 54.53 ng/ml



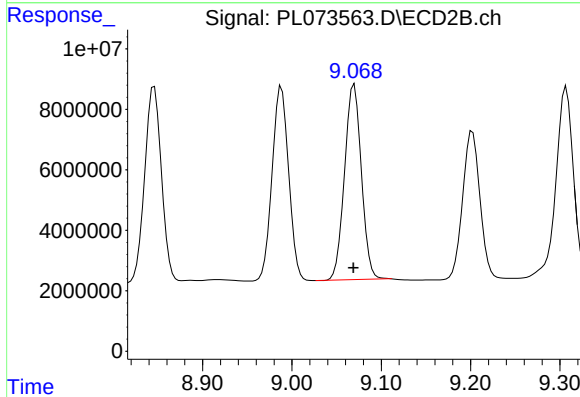
#15 Endosulfan II

R.T.: 8.387 min
Delta R.T.: 0.005 min
Response: 20363302
Conc: 52.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

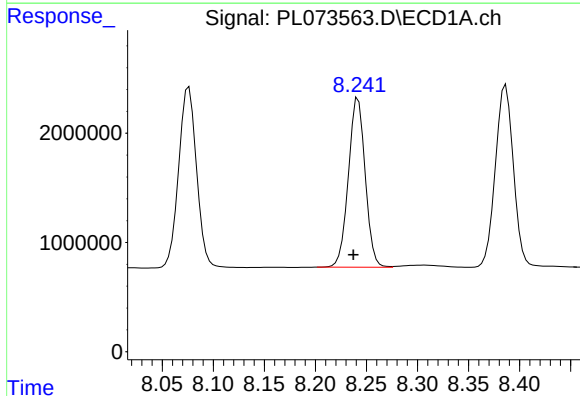
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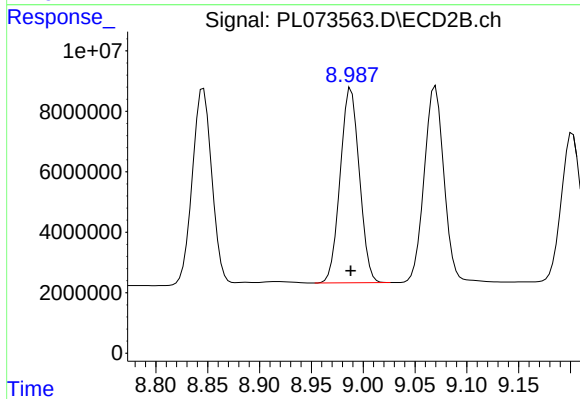
#15 Endosulfan II

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 84536841
Conc: 55.04 ng/ml



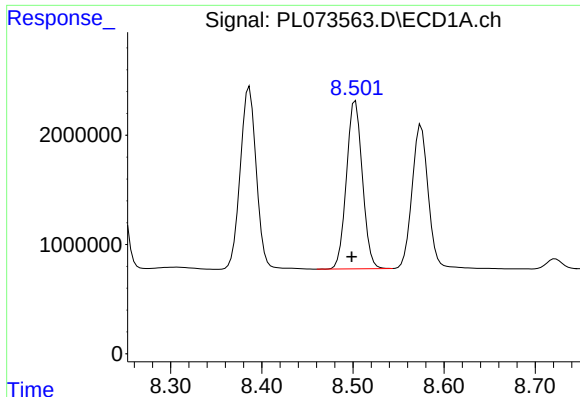
#16 4,4'-DDD

R.T.: 8.242 min
Delta R.T.: 0.005 min
Response: 17766760
Conc: 54.71 ng/ml



#16 4,4'-DDD

R.T.: 8.988 min
Delta R.T.: 0.000 min
Response: 82999239
Conc: 56.86 ng/ml



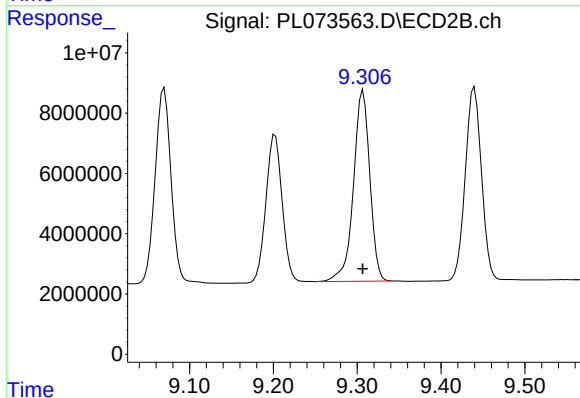
#17 4,4'-DDT

R.T.: 8.503 min
Delta R.T.: 0.004 min
Response: 18630603
Conc: 49.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

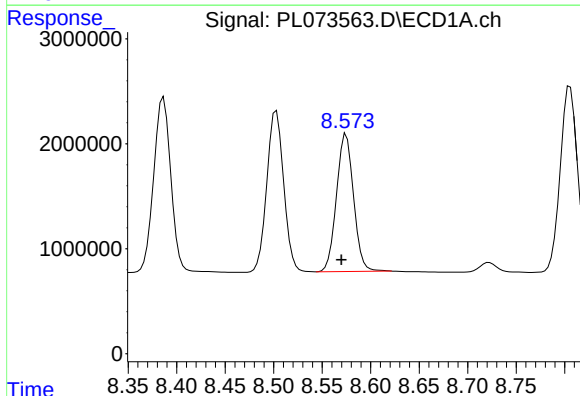
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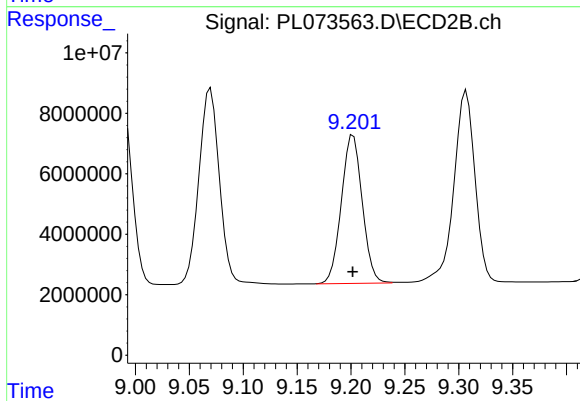
#17 4,4'-DDT

R.T.: 9.307 min
Delta R.T.: 0.000 min
Response: 85847719
Conc: 52.52 ng/ml



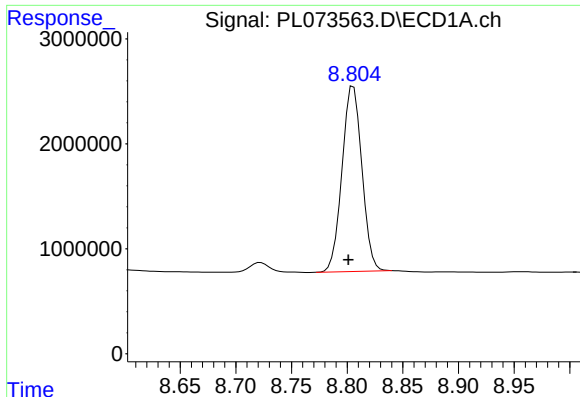
#18 Endrin aldehyde

R.T.: 8.575 min
Delta R.T.: 0.005 min
Response: 16014284
Conc: 50.64 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min
Delta R.T.: 0.000 min
Response: 66351435
Conc: 54.11 ng/ml m



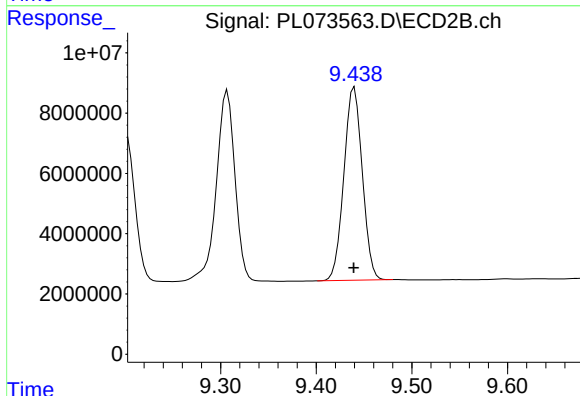
#19 Endosulfan Sulfate

R.T.: 8.806 min
Delta R.T.: 0.005 min
Response: 21981813
Conc: 52.04 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

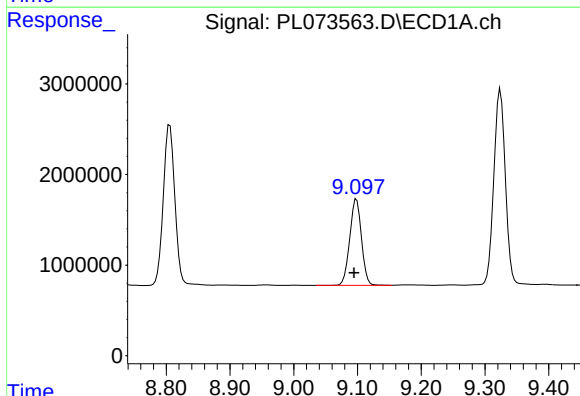
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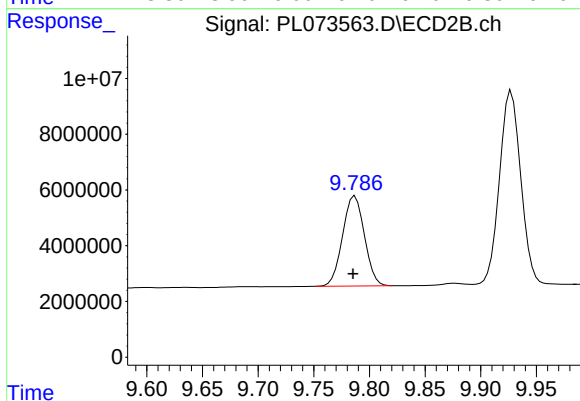
#19 Endosulfan Sulfate

R.T.: 9.440 min
Delta R.T.: 0.000 min
Response: 86112193
Conc: 54.64 ng/ml



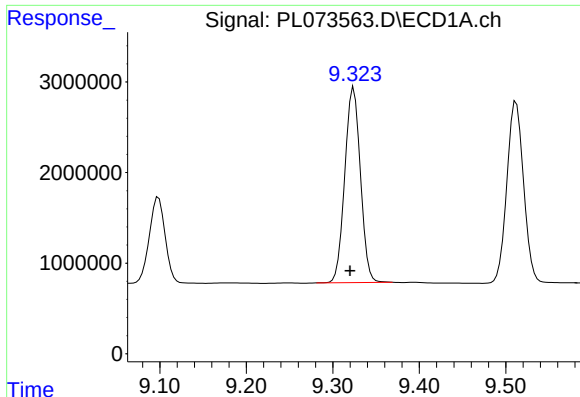
#20 Methoxychlor

R.T.: 9.099 min
Delta R.T.: 0.004 min
Response: 12148976
Conc: 47.36 ng/ml



#20 Methoxychlor

R.T.: 9.787 min
Delta R.T.: 0.002 min
Response: 44136192
Conc: 48.98 ng/ml



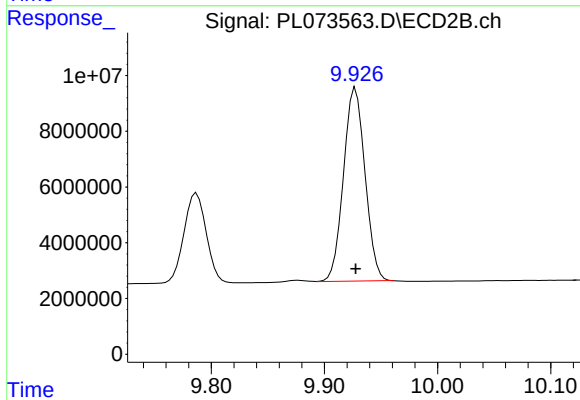
#21 Endrin ketone

R.T.: 9.324 min
Delta R.T.: 0.004 min
Response: 26900192
Conc: 54.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

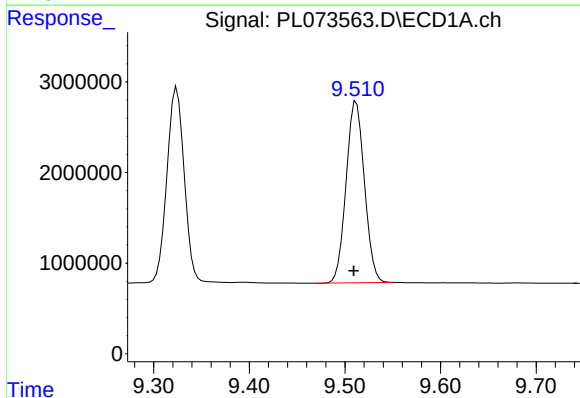
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Reviewed By :Abdul Mirza 03/23/2022
Supervised By :mohammad ahmed 03/23/2022



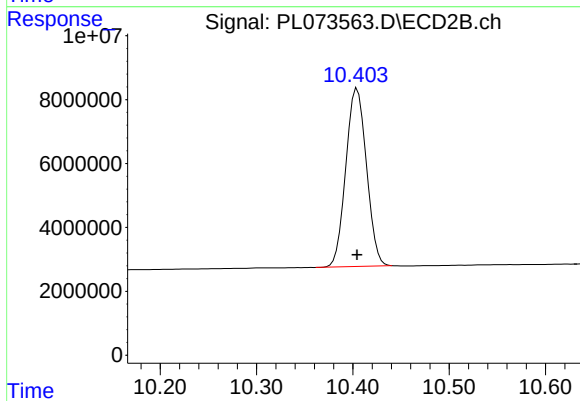
#21 Endrin ketone

R.T.: 9.928 min
Delta R.T.: 0.000 min
Response: 91760467
Conc: 55.59 ng/ml



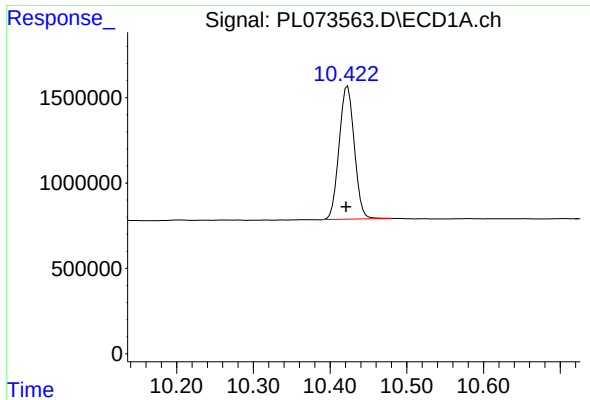
#22 Mirex

R.T.: 9.512 min
Delta R.T.: 0.003 min
Response: 26802924
Conc: 56.84 ng/ml



#22 Mirex

R.T.: 10.404 min
Delta R.T.: 0.000 min
Response: 82957775
Conc: 61.07 ng/ml



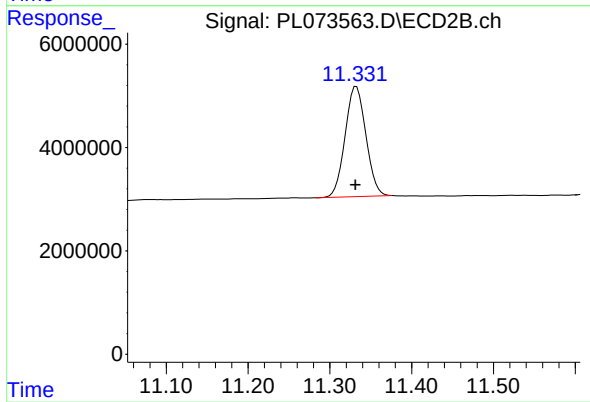
#28 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.002 min
Response: 10739888
Conc: 21.12 ng/ml

Instrument :
ECD_L
ClientSampleId :
C-1-0-1MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/23/2022
Supervised By :mohammad ahmed 03/23/2022



#28 Decachlorobiphenyl

R.T.: 11.332 min
Delta R.T.: 0.000 min
Response: 37558906
Conc: 21.00 ng/ml