

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040422\
 Data File : PL073799.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Apr 2022 15:47
 Operator : AR\AJ
 Sample : N2091-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MHBMSD

Manual Integrations
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Reviewed By :Abdul Mirza 04/05/2022
 Supervised By :mohammad ahmed 04/05/2022

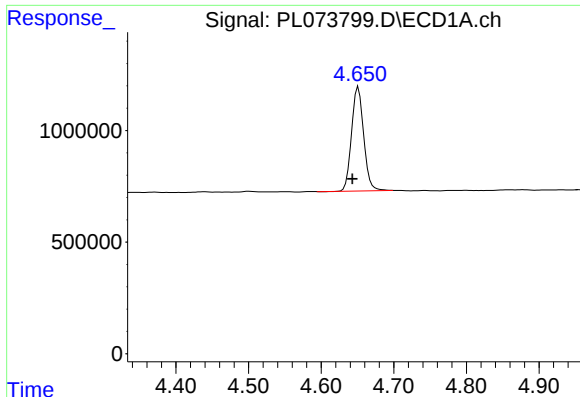
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 05 01:19:40 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031122.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 14 04:12:46 2022
 Response via : Initial Calibration
 Integrator: ChemStation

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...	4.651	5.487	5418805	30186535	16.919	18.392
28)	SA Decachlor...	10.423	11.336	7605568	24565236	14.957	13.738
Target Compounds							
2)	A alpha-BHC	5.359	6.051	19435893	122.7E6	47.151	54.562
3)	MA gamma-BHC...	5.783	6.440	19184163	113.0E6	45.990	52.902
4)	MA Heptachlor	6.194	7.100	20213330	118.0E6	44.799	50.362
5)	MB Aldrin	6.519	7.469	19584257	113.0E6	47.400	53.921
6)	B beta-BHC	6.163	6.677	9522049	48740592	46.247	46.759
7)	B delta-BHC	6.425	6.945	18934475	110.2E6	47.142	51.165
8)	B Heptachlo...	7.095	7.926	19532785	100.7E6	45.322	50.412
9)	A Endosulfan I	7.498	8.327	18445611	89228123	44.965	48.882
10)	B gamma-Chl...	7.373	8.194	20084941	101.9E6	45.929	49.871
11)	B alpha-Chl...	7.442	8.277	20248527	99135089	45.818	49.567
12)	B 4,4'-DDE	7.657	8.462	16763860	91825269	46.717	51.231
13)	MA Dieldrin	7.785	8.612	19812558	96023027	47.555	52.052
14)	MA Endrin	8.075	8.846	19490317	78477524	50.232	50.979
15)	B Endosulfa...	8.386	9.071	19009039	80087010	48.632	52.146
16)	A 4,4'-DDD	8.242	8.990	14784804	71120134	45.528	48.722
17)	MA 4,4'-DDT	8.503	9.309	16524732	77417880	43.695	47.364
18)	B Endrin al...	8.575	9.202	15178105	62211358	47.994	50.730m
19)	B Endosulfa...	8.805	9.441	19200540	76069176	45.453	48.265
20)	A Methoxychlor	9.097	9.788	10697954	41038314	41.702	45.544
21)	B Endrin ke...	9.325	9.930	22491662	78400125	45.974	47.498
22)	Mirex	9.512	10.407	20996021	63970448	44.524	47.091

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



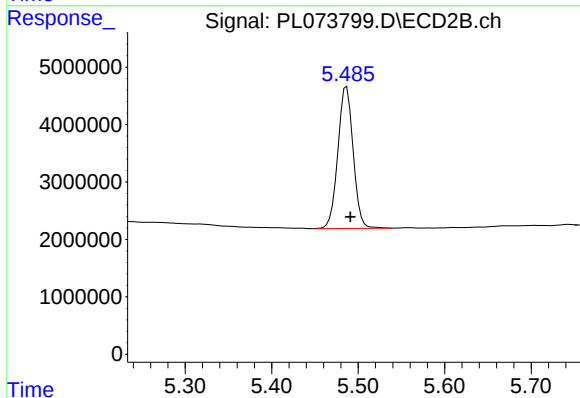
#1 Tetrachloro-m-xylene

R.T.: 4.651 min
Delta R.T.: 0.008 min
Response: 5418805
Conc: 16.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

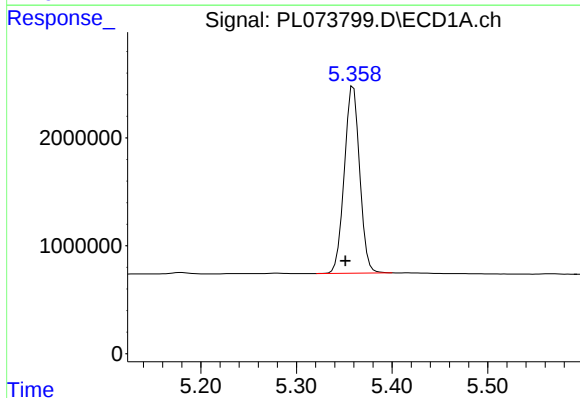
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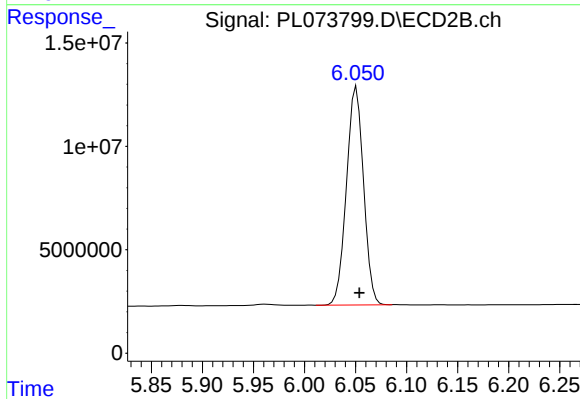
#1 Tetrachloro-m-xylene

R.T.: 5.487 min
Delta R.T.: -0.004 min
Response: 30186535
Conc: 18.39 ng/ml



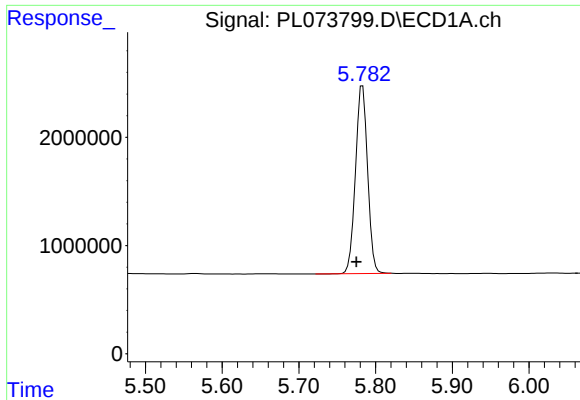
#2 alpha-BHC

R.T.: 5.359 min
Delta R.T.: 0.008 min
Response: 19435893
Conc: 47.15 ng/ml



#2 alpha-BHC

R.T.: 6.051 min
Delta R.T.: -0.003 min
Response: 122744445
Conc: 54.56 ng/ml



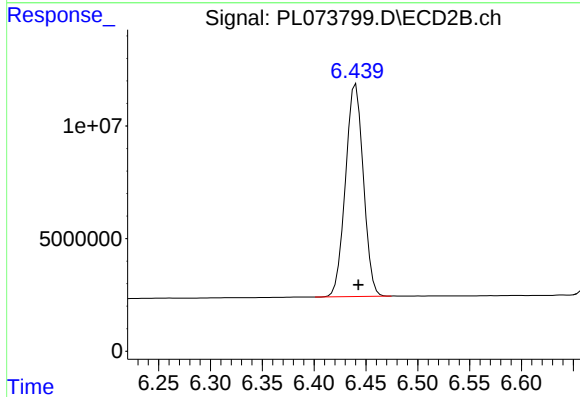
#3 gamma-BHC (Lindane)

R.T.: 5.783 min
Delta R.T.: 0.008 min
Response: 19184163
Conc: 45.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

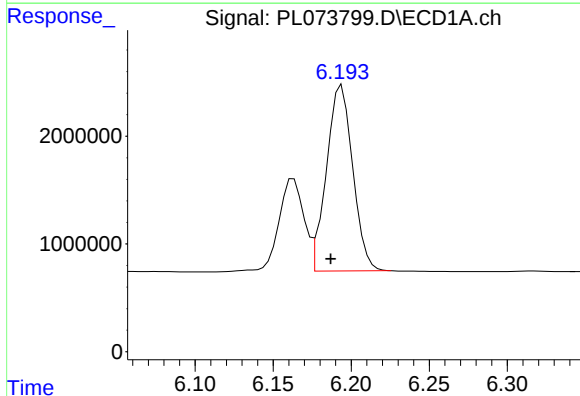
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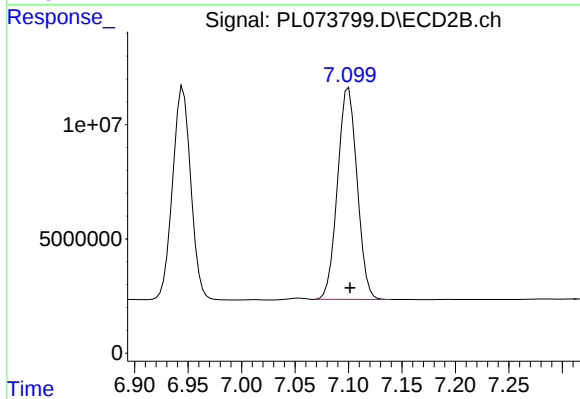
#3 gamma-BHC (Lindane)

R.T.: 6.440 min
Delta R.T.: -0.002 min
Response: 112950995
Conc: 52.90 ng/ml



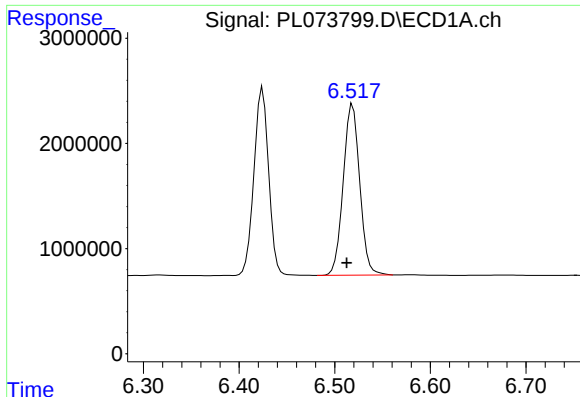
#4 Heptachlor

R.T.: 6.194 min
Delta R.T.: 0.007 min
Response: 20213330
Conc: 44.80 ng/ml



#4 Heptachlor

R.T.: 7.100 min
Delta R.T.: -0.001 min
Response: 118002378
Conc: 50.36 ng/ml



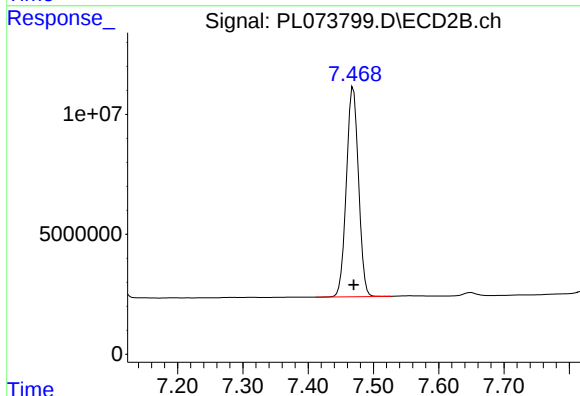
#5 Aldrin

R.T.: 6.519 min
Delta R.T.: 0.006 min
Response: 19584257
Conc: 47.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

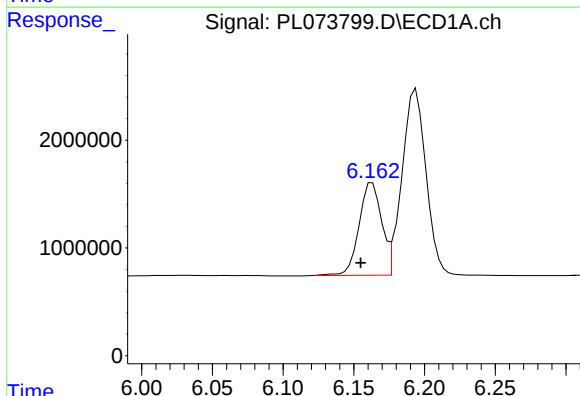
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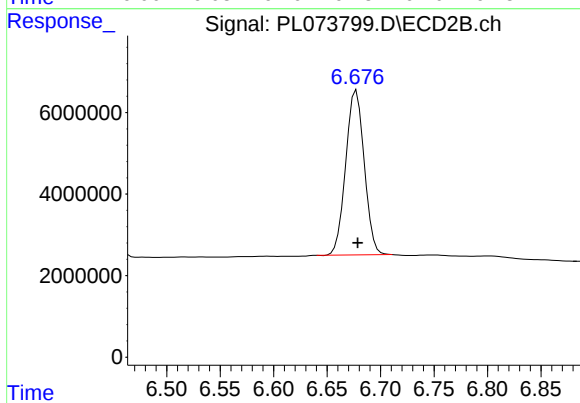
#5 Aldrin

R.T.: 7.469 min
Delta R.T.: 0.000 min
Response: 112963412
Conc: 53.92 ng/ml



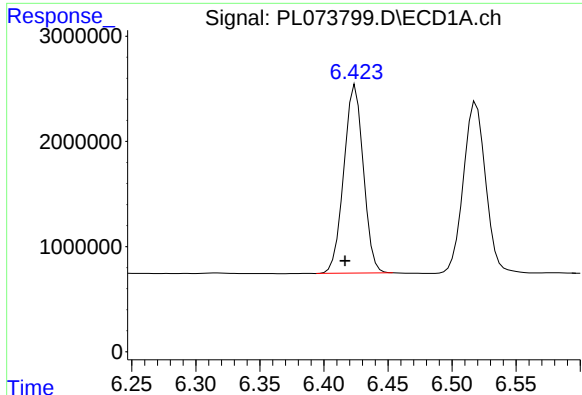
#6 beta-BHC

R.T.: 6.163 min
Delta R.T.: 0.008 min
Response: 9522049
Conc: 46.25 ng/ml



#6 beta-BHC

R.T.: 6.677 min
Delta R.T.: -0.001 min
Response: 48740592
Conc: 46.76 ng/ml



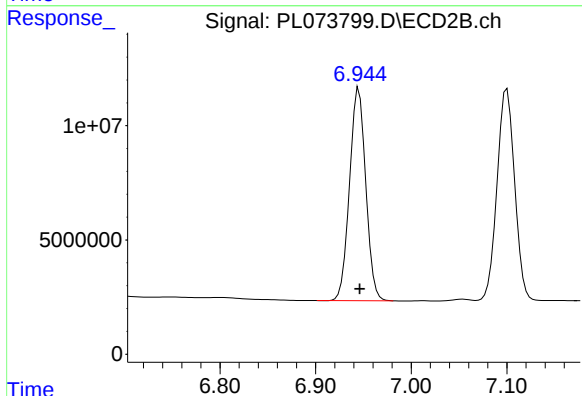
#7 delta-BHC

R.T.: 6.425 min
Delta R.T.: 0.008 min
Response: 18934475
Conc: 47.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

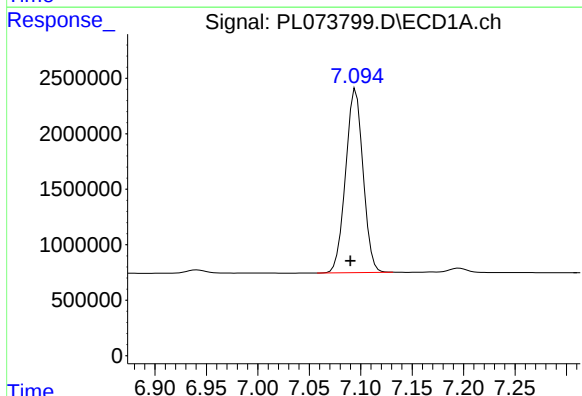
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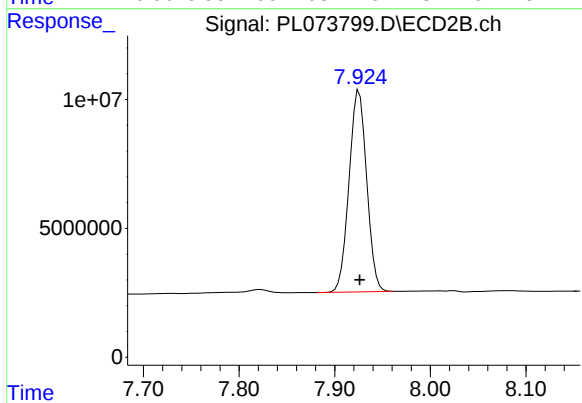
#7 delta-BHC

R.T.: 6.945 min
Delta R.T.: 0.000 min
Response: 110186866
Conc: 51.16 ng/ml



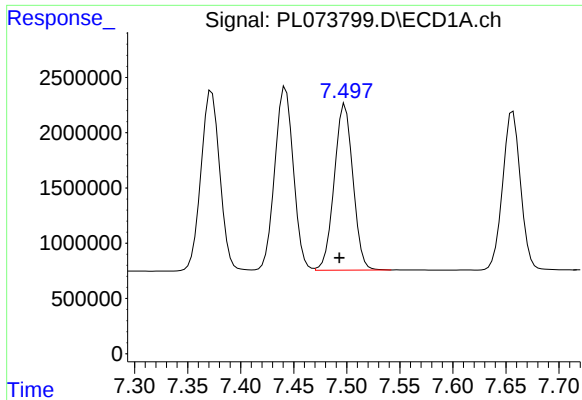
#8 Heptachlor epoxide

R.T.: 7.095 min
Delta R.T.: 0.005 min
Response: 19532785
Conc: 45.32 ng/ml



#8 Heptachlor epoxide

R.T.: 7.926 min
Delta R.T.: 0.000 min
Response: 100688053
Conc: 50.41 ng/ml



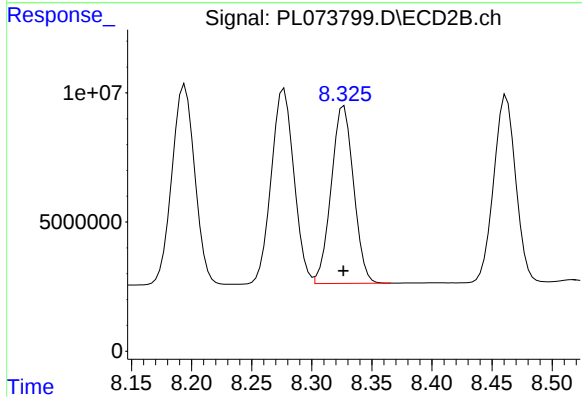
#9 Endosulfan I

R.T.: 7.498 min
Delta R.T.: 0.005 min
Response: 18445611
Conc: 44.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

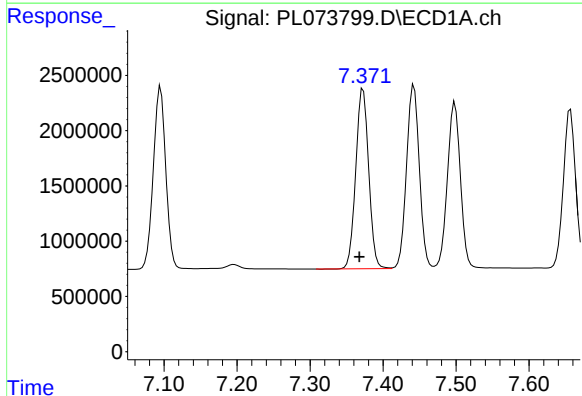
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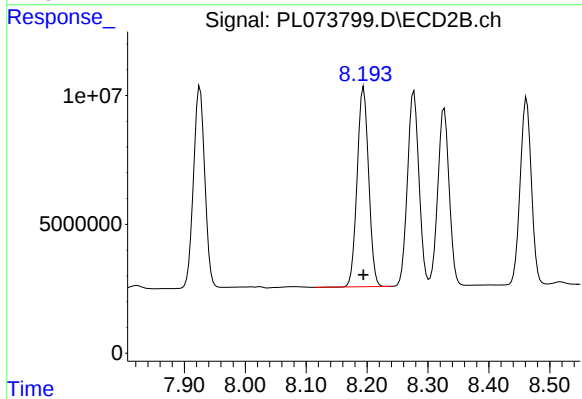
#9 Endosulfan I

R.T.: 8.327 min
Delta R.T.: 0.000 min
Response: 89228123
Conc: 48.88 ng/ml



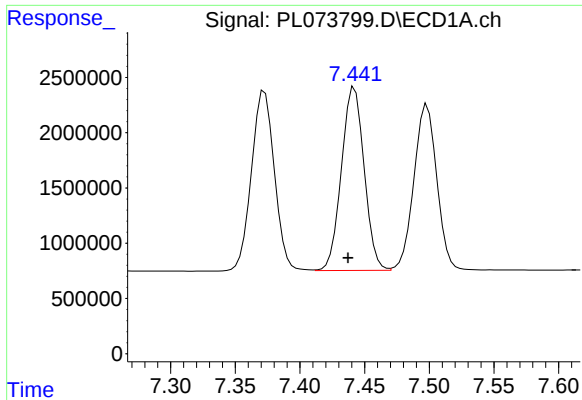
#10 gamma-Chlordane

R.T.: 7.373 min
Delta R.T.: 0.005 min
Response: 20084941
Conc: 45.93 ng/ml



#10 gamma-Chlordane

R.T.: 8.194 min
Delta R.T.: 0.000 min
Response: 101856476
Conc: 49.87 ng/ml



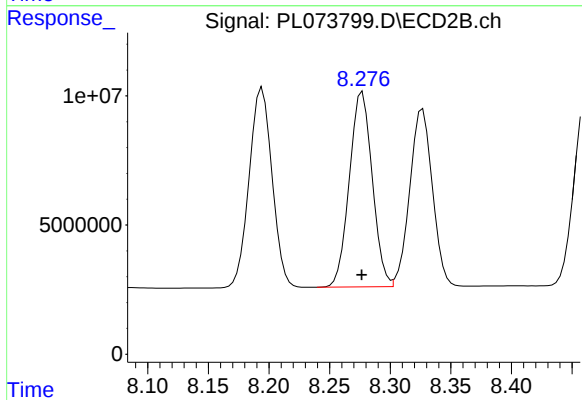
#11 alpha-Chlordane

R.T.: 7.442 min
Delta R.T.: 0.005 min
Response: 20248527
Conc: 45.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

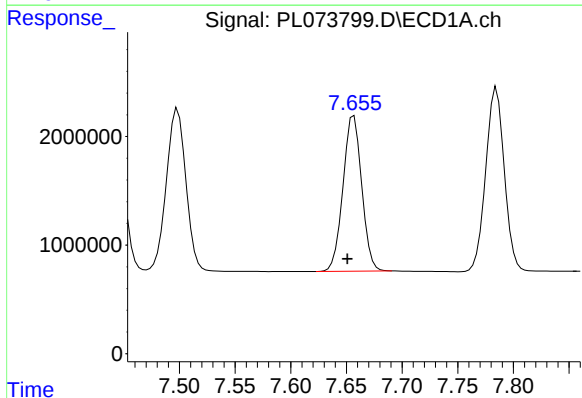
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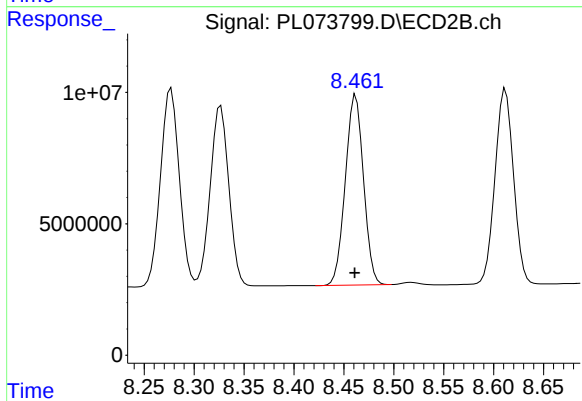
#11 alpha-Chlordane

R.T.: 8.277 min
Delta R.T.: 0.000 min
Response: 99135089
Conc: 49.57 ng/ml



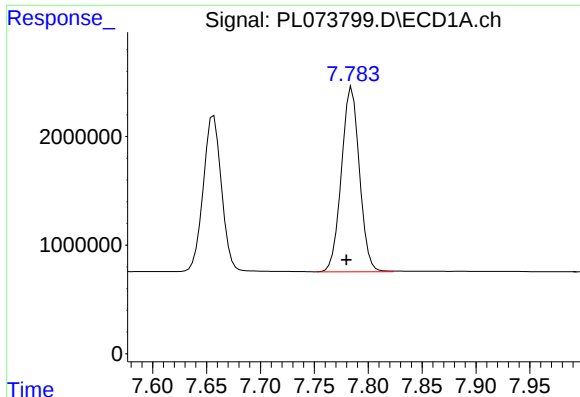
#12 4,4'-DDE

R.T.: 7.657 min
Delta R.T.: 0.006 min
Response: 16763860
Conc: 46.72 ng/ml



#12 4,4'-DDE

R.T.: 8.462 min
Delta R.T.: 0.001 min
Response: 91825269
Conc: 51.23 ng/ml



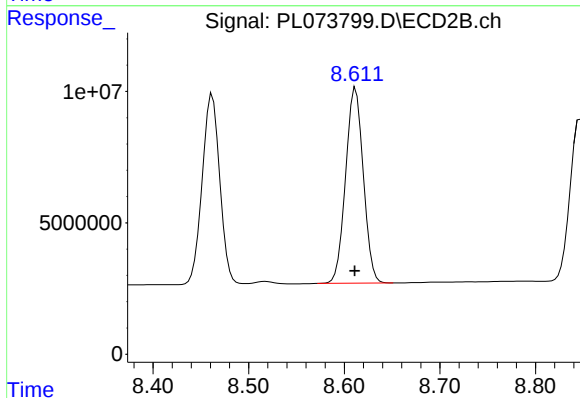
#13 Dieldrin

R.T.: 7.785 min
Delta R.T.: 0.005 min
Response: 19812558
Conc: 47.56 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

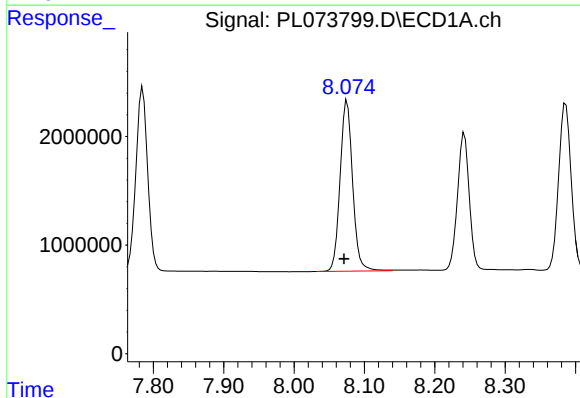
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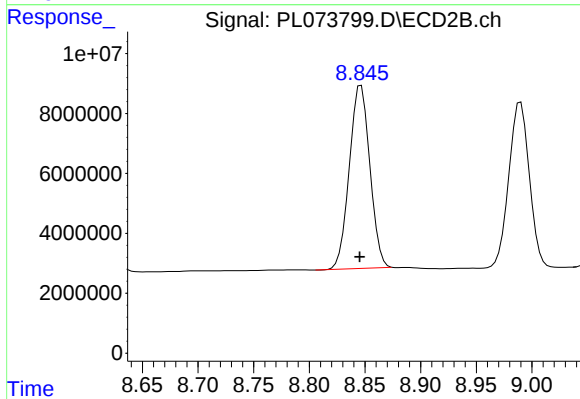
#13 Dieldrin

R.T.: 8.612 min
Delta R.T.: 0.000 min
Response: 96023027
Conc: 52.05 ng/ml



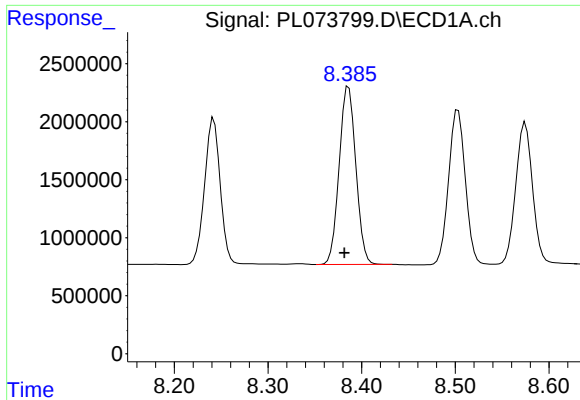
#14 Endrin

R.T.: 8.075 min
Delta R.T.: 0.005 min
Response: 19490317
Conc: 50.23 ng/ml



#14 Endrin

R.T.: 8.846 min
Delta R.T.: 0.001 min
Response: 78477524
Conc: 50.98 ng/ml



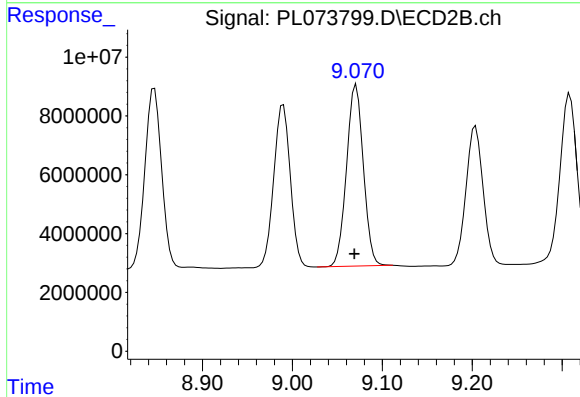
#15 Endosulfan II

R.T.: 8.386 min
Delta R.T.: 0.004 min
Response: 19009039
Conc: 48.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

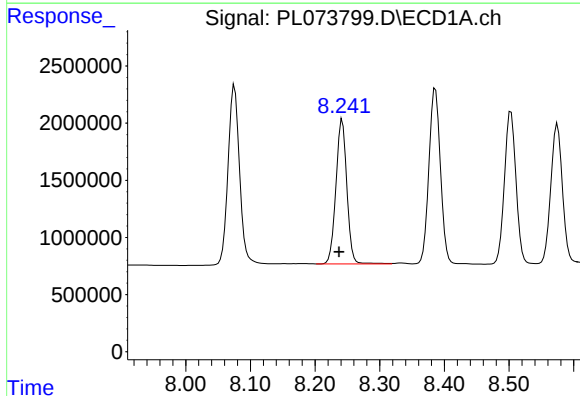
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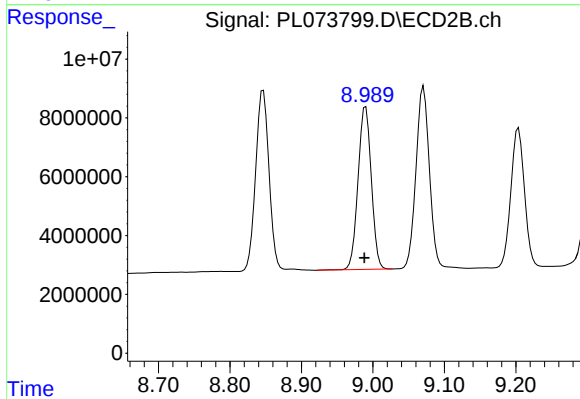
#15 Endosulfan II

R.T.: 9.071 min
Delta R.T.: 0.002 min
Response: 80087010
Conc: 52.15 ng/ml



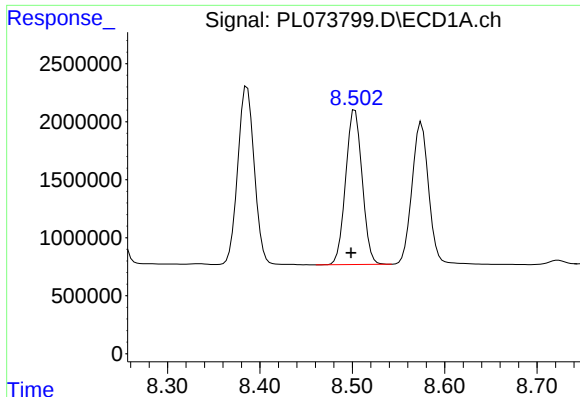
#16 4,4'-DDD

R.T.: 8.242 min
Delta R.T.: 0.005 min
Response: 14784804
Conc: 45.53 ng/ml



#16 4,4'-DDD

R.T.: 8.990 min
Delta R.T.: 0.002 min
Response: 71120134
Conc: 48.72 ng/ml



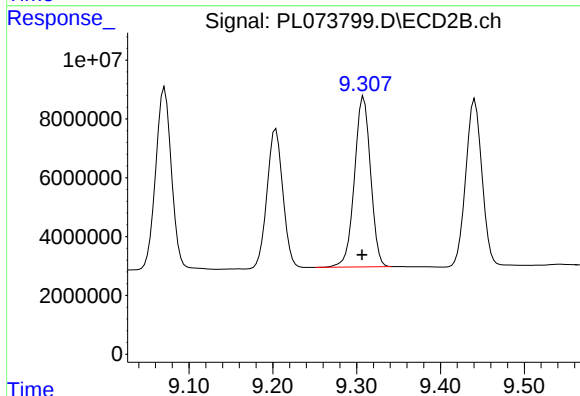
#17 4,4'-DDT

R.T.: 8.503 min
Delta R.T.: 0.004 min
Response: 16524732
Conc: 43.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

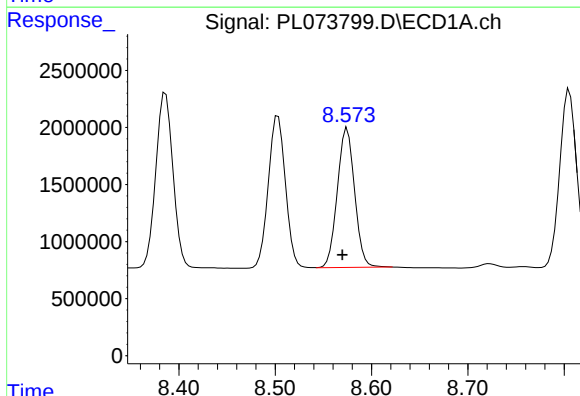
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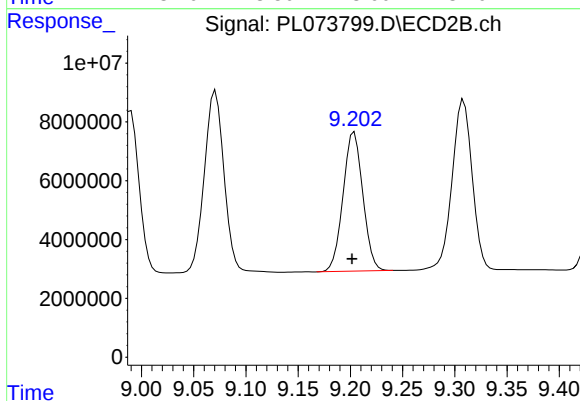
#17 4,4'-DDT

R.T.: 9.309 min
Delta R.T.: 0.002 min
Response: 77417880
Conc: 47.36 ng/ml



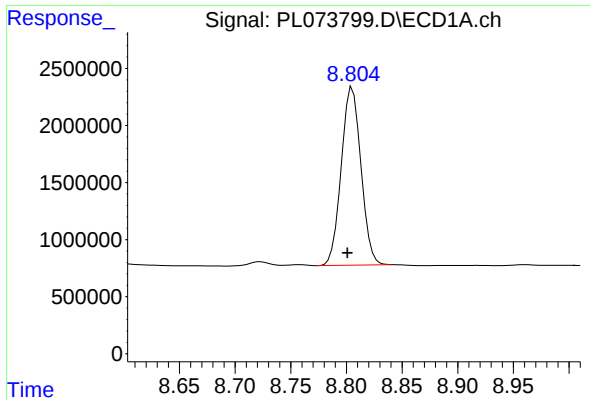
#18 Endrin aldehyde

R.T.: 8.575 min
Delta R.T.: 0.005 min
Response: 15178105
Conc: 47.99 ng/ml



#18 Endrin aldehyde

R.T.: 9.202 min
Delta R.T.: 0.000 min
Response: 62211358
Conc: 50.73 ng/ml m



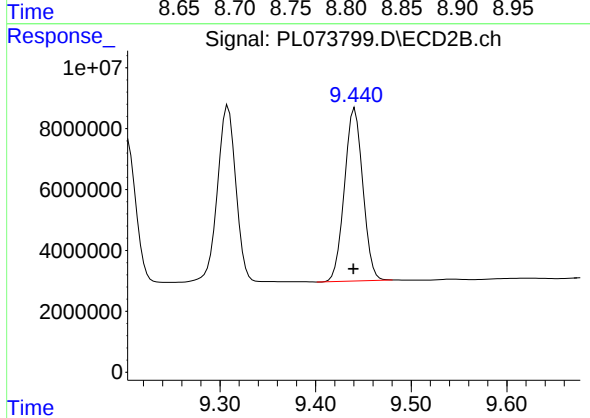
#19 Endosulfan Sulfate

R.T.: 8.805 min
Delta R.T.: 0.004 min
Response: 19200540
Conc: 45.45 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

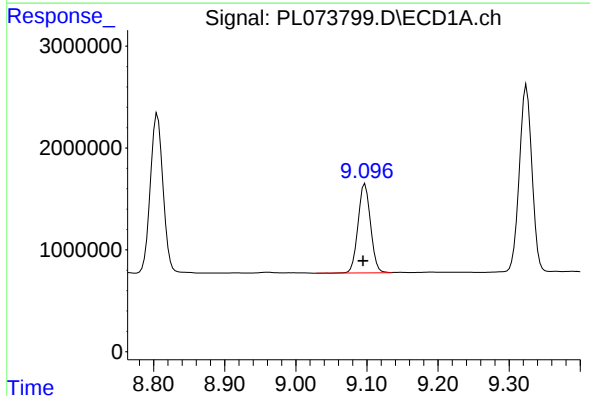
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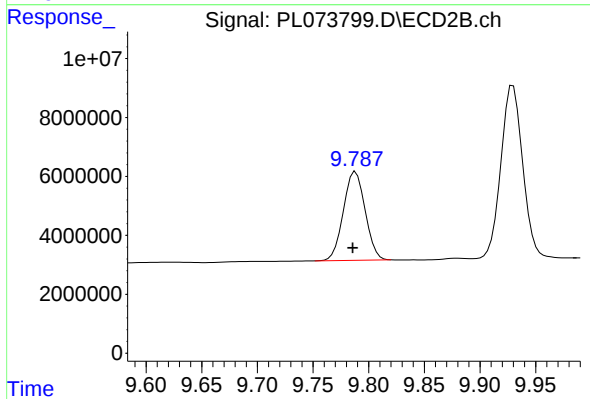
#19 Endosulfan Sulfate

R.T.: 9.441 min
Delta R.T.: 0.002 min
Response: 76069176
Conc: 48.27 ng/ml



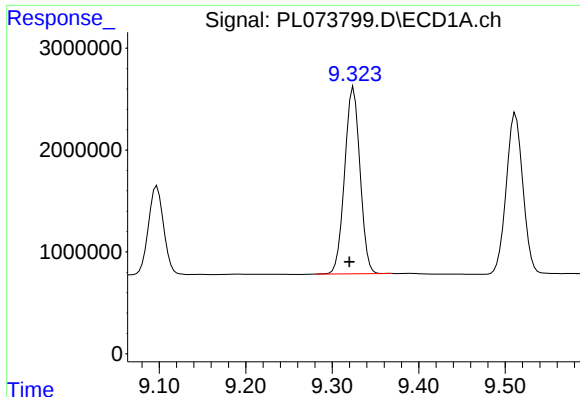
#20 Methoxychlor

R.T.: 9.097 min
Delta R.T.: 0.003 min
Response: 10697954
Conc: 41.70 ng/ml



#20 Methoxychlor

R.T.: 9.788 min
Delta R.T.: 0.003 min
Response: 41038314
Conc: 45.54 ng/ml



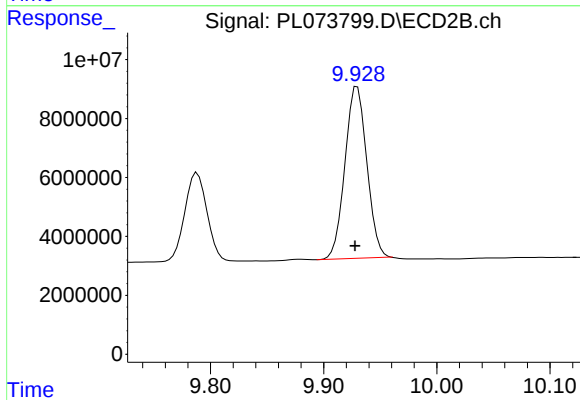
#21 Endrin ketone

R.T.: 9.325 min
Delta R.T.: 0.005 min
Response: 22491662
Conc: 45.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

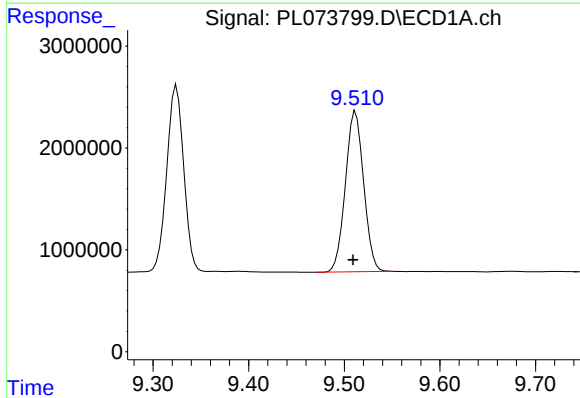
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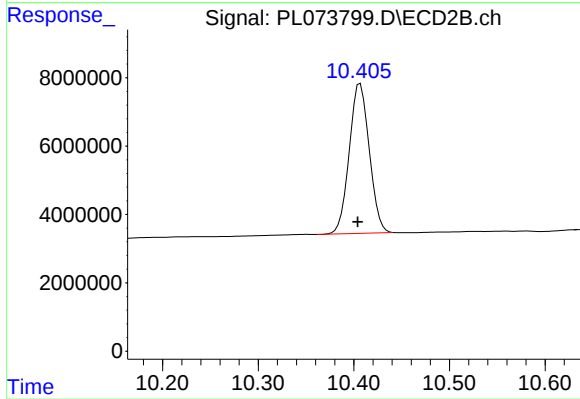
#21 Endrin ketone

R.T.: 9.930 min
Delta R.T.: 0.002 min
Response: 78400125
Conc: 47.50 ng/ml



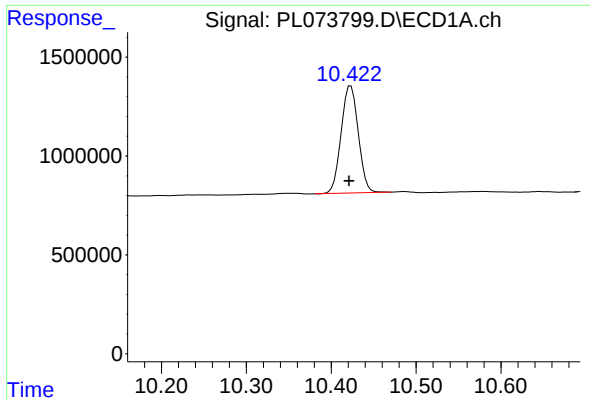
#22 Mirex

R.T.: 9.512 min
Delta R.T.: 0.003 min
Response: 20996021
Conc: 44.52 ng/ml



#22 Mirex

R.T.: 10.407 min
Delta R.T.: 0.003 min
Response: 63970448
Conc: 47.09 ng/ml



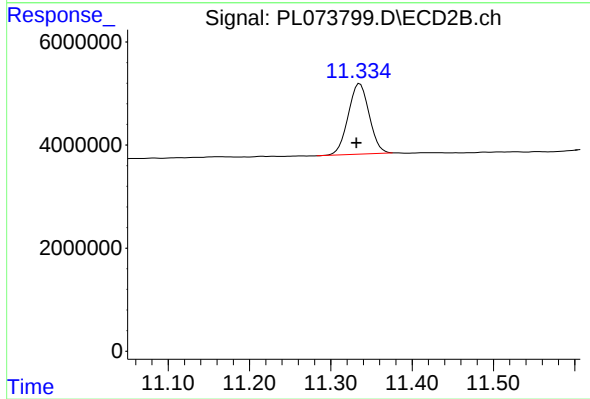
#28 Decachlorobiphenyl

R.T.: 10.423 min
Delta R.T.: 0.002 min
Response: 7605568
Conc: 14.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

Manual Integrations
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Reviewed By :Abdul Mirza 04/05/2022
Supervised By :mohammad ahmed 04/05/2022



#28 Decachlorobiphenyl

R.T.: 11.336 min
Delta R.T.: 0.004 min
Response: 24565236
Conc: 13.74 ng/ml