

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032422\
 Data File : PL073664.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Mar 2022 16:37
 Operator : AR\AJ
 Sample : N2091-01MSD
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 MHBMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/25/2022
 Supervised By : mohammad ahmed 03/25/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 25 01:30:04 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...	4.642	5.492	5688116	30658012	17.759	18.680
28)	SA Decachlor...	10.416	11.334	8070023	27090790	15.870	15.150
Target Compounds							
2)	A alpha-BHC	5.350	6.056	20401062	122.9E6	49.493	54.614
3)	MA gamma-BHC...	5.774	6.444	20282079	114.2E6	48.622	53.506
4)	MA Heptachlor	6.185	7.104	21633517	119.2E6	47.947	50.855
5)	MB Aldrin	6.510	7.471	20722187	113.6E6	50.154	54.248
6)	B beta-BHC	6.154	6.680	9987389	50261873	48.507	48.219
7)	B delta-BHC	6.415	6.948	20339975	113.6E6	50.641	52.736
8)	B Heptachlo...	7.087	7.928	20978249	103.1E6	48.676	51.638
9)	A Endosulfan I	7.491	8.328	19784830	91753707	48.230	50.265
10)	B gamma-Chl...	7.365	8.196	21449473	103.7E6	49.050	50.758
11)	B alpha-Chl...	7.435	8.279	21595452	101.5E6	48.866	50.735
12)	B 4,4'-DDE	7.649	8.463	17877227	92928714	49.820	51.847
13)	MA Dieldrin	7.777	8.613	21159598	96611381	50.788	52.371
14)	MA Endrin	8.068	8.847	20474415	80500027	52.769	52.293
15)	B Endosulfa...	8.379	9.071	20454012	80942086	52.329	52.702
16)	A 4,4'-DDD	8.234	8.990	15941596	72317185	49.091	49.542
17)	MA 4,4'-DDT	8.496	9.309	17983919	75775161	47.554	46.359
18)	B Endrin al...	8.568	9.202	15482916	60430117	48.958	49.278m
19)	B Endosulfa...	8.798	9.441	20554570	76831847	48.659	48.749
20)	A Methoxychlor	9.091	9.788	12227914	41826158	47.666	46.418
21)	B Endrin ke...	9.317	9.930	24036138	80038475	49.131	48.491
22)	Mirex	9.505	10.406	22295569	65467075	47.280	48.192

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

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 ALS Vial : 21 Sample Multiplier: 1

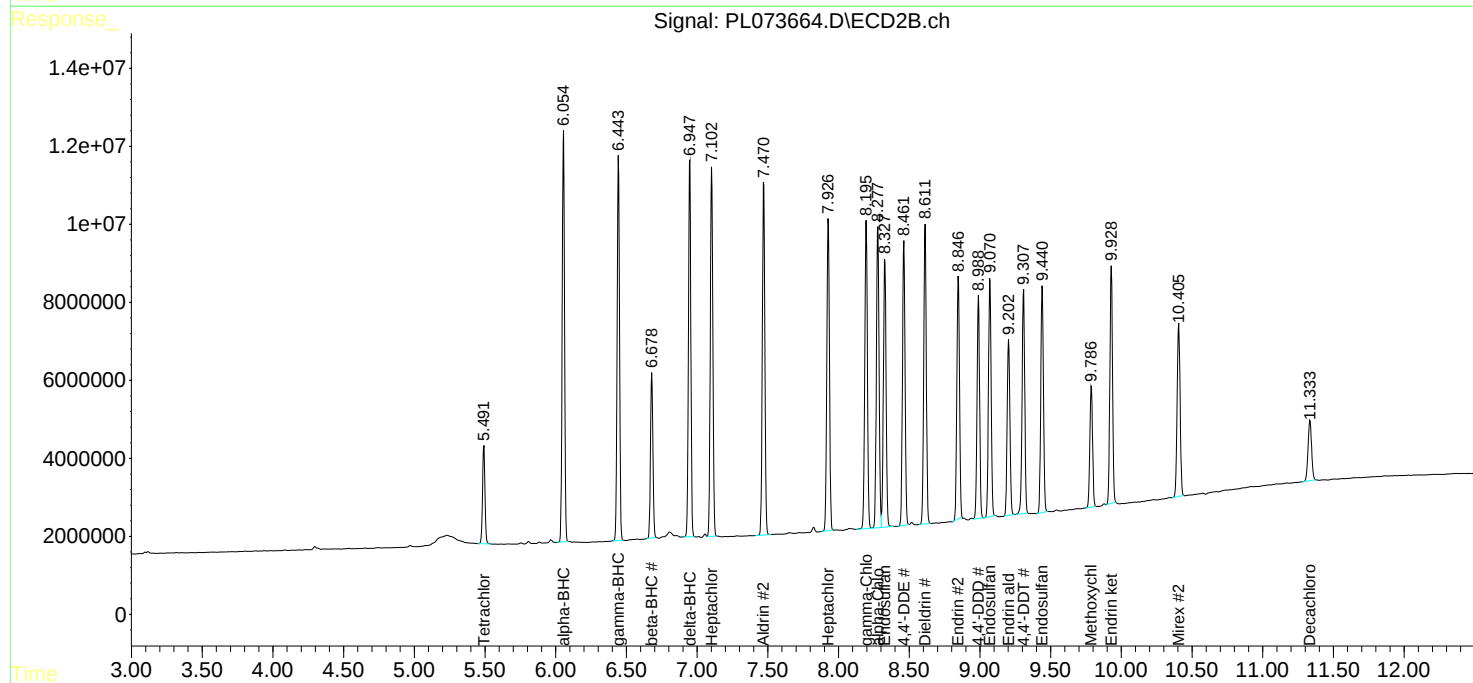
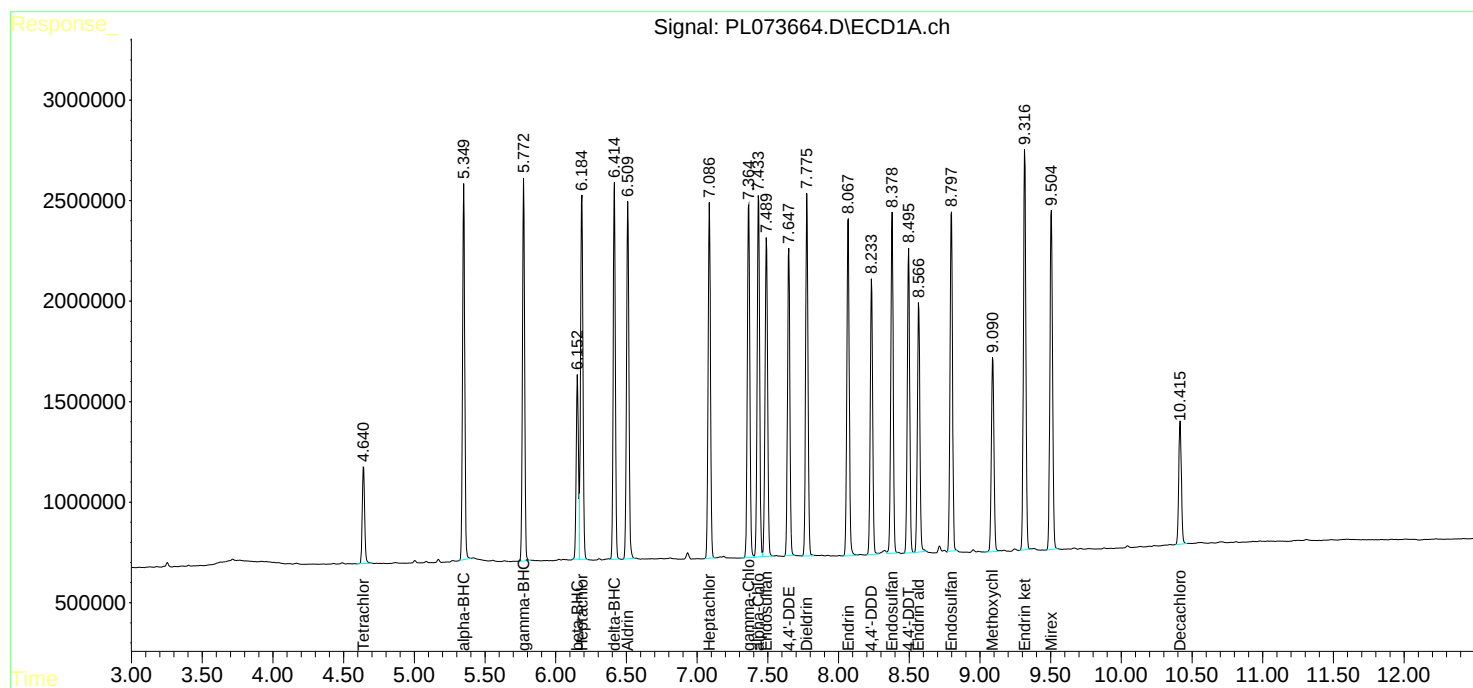
Instrument :
 ECD_L
 ClientSampleId :
 MHBMSD

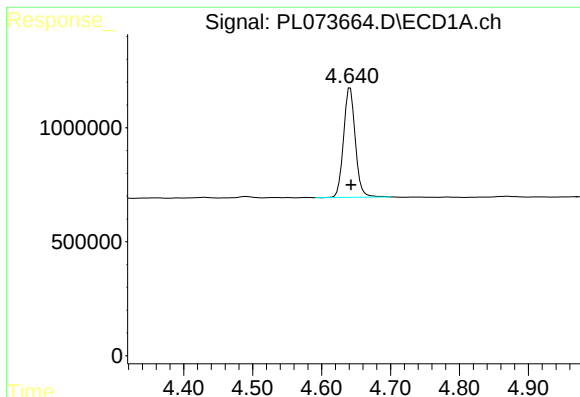
Manual Integrations APPROVED

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 Supervised By : mohammad ahmed 03/25/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 25 01:30:04 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031122.M
 Quant Title : GC Extractables
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Volume Inj. : 1 µl
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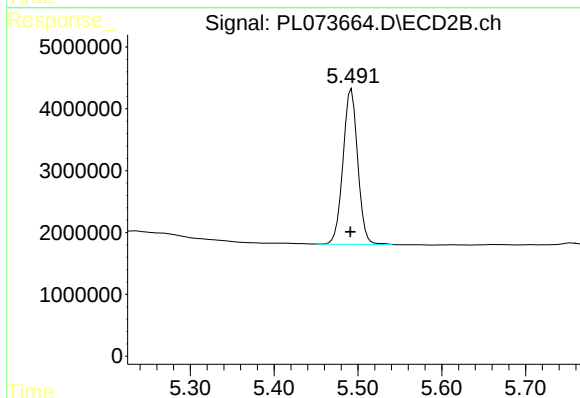
#1 Tetrachloro-m-xylene

R.T.: 4.642 min
Delta R.T.: -0.001 min
Response: 5688116
Conc: 17.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

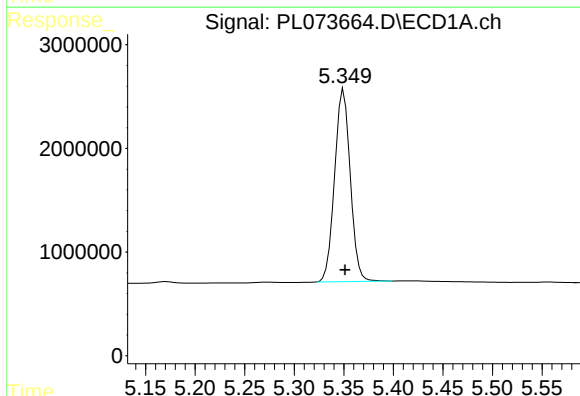
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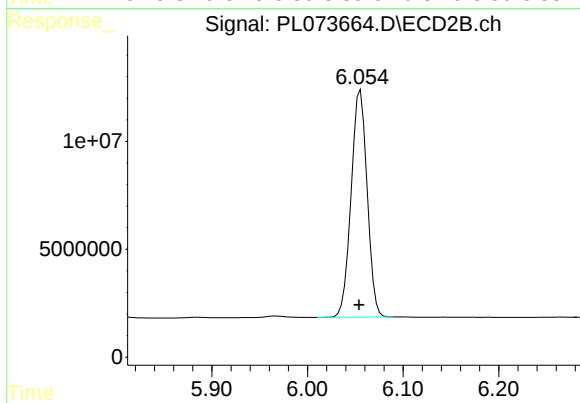
#1 Tetrachloro-m-xylene

R.T.: 5.492 min
Delta R.T.: 0.001 min
Response: 30658012
Conc: 18.68 ng/ml



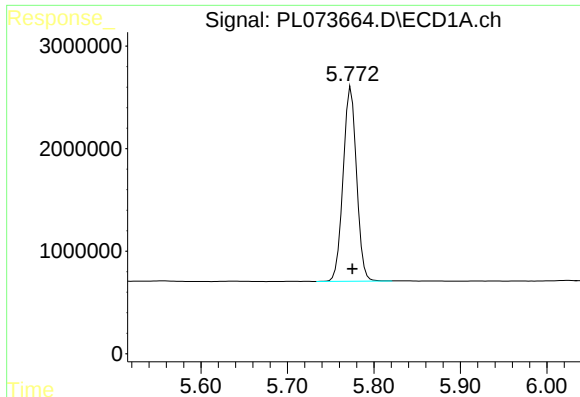
#2 alpha-BHC

R.T.: 5.350 min
Delta R.T.: -0.001 min
Response: 20401062
Conc: 49.49 ng/ml



#2 alpha-BHC

R.T.: 6.056 min
Delta R.T.: 0.002 min
Response: 122861964
Conc: 54.61 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 5.774 min
Delta R.T.: -0.001 min
Response: 20282079
Conc: 48.62 ng/ml

Instrument :

ECD_L

ClientSampleId :

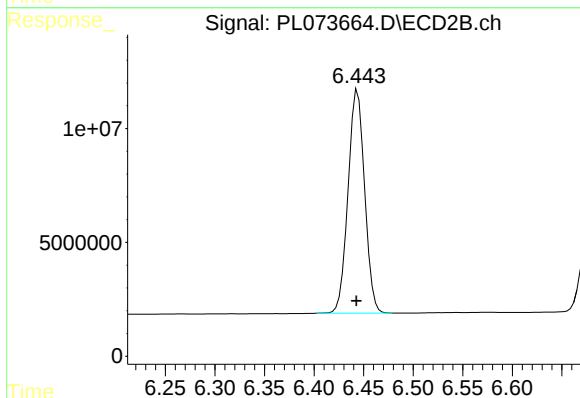
MHBMSD

Manual Integrations

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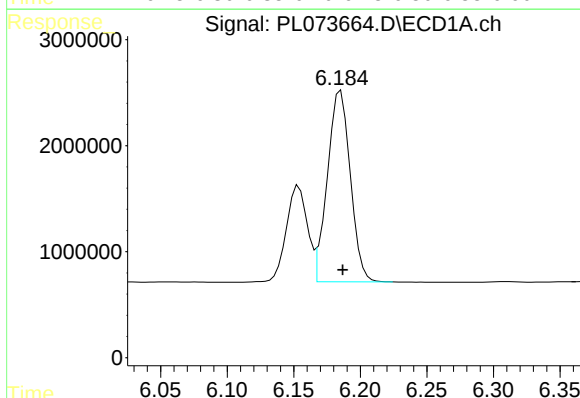
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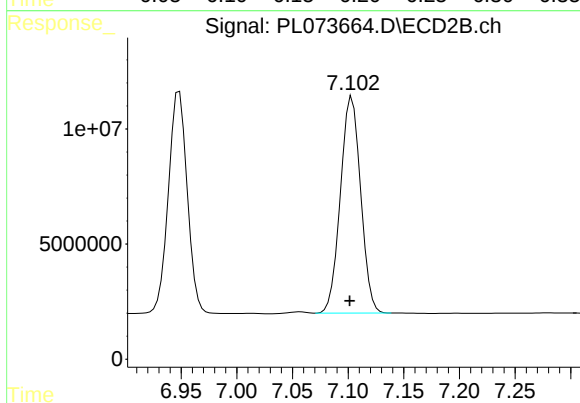
#3 gamma-BHC (Lindane)

R.T.: 6.444 min
Delta R.T.: 0.001 min
Response: 114240697
Conc: 53.51 ng/ml



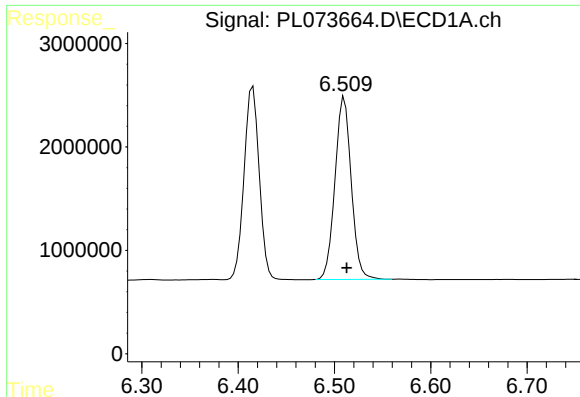
#4 Heptachlor

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 21633517
Conc: 47.95 ng/ml



#4 Heptachlor

R.T.: 7.104 min
Delta R.T.: 0.002 min
Response: 119156886
Conc: 50.85 ng/ml



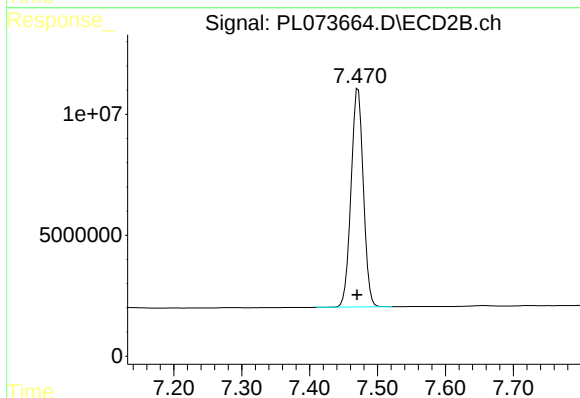
#5 Aldrin

R.T.: 6.510 min
Delta R.T.: -0.002 min
Response: 20722187
Conc: 50.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

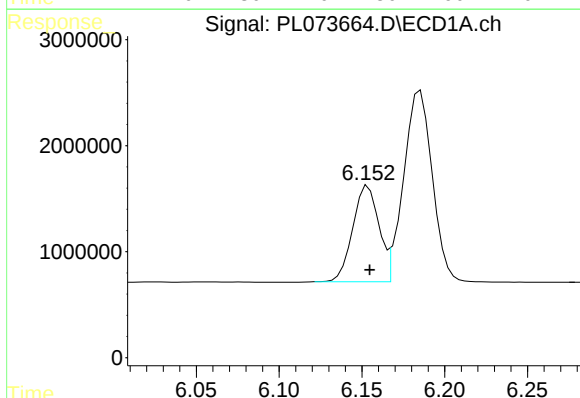
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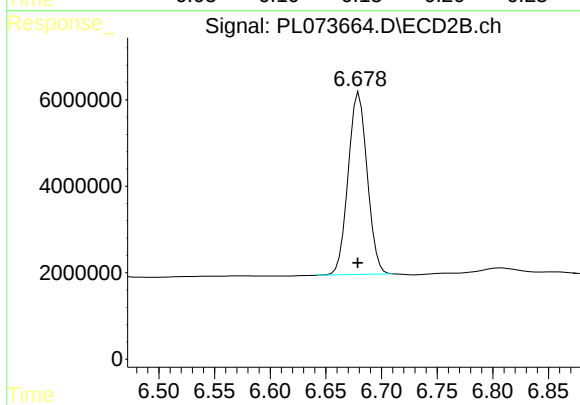
#5 Aldrin

R.T.: 7.471 min
Delta R.T.: 0.002 min
Response: 113647623
Conc: 54.25 ng/ml



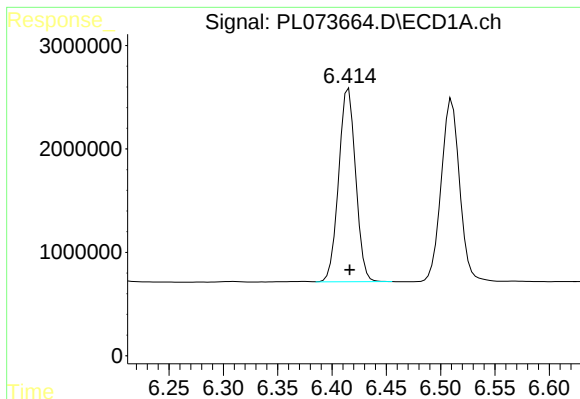
#6 beta-BHC

R.T.: 6.154 min
Delta R.T.: -0.001 min
Response: 9987389
Conc: 48.51 ng/ml



#6 beta-BHC

R.T.: 6.680 min
Delta R.T.: 0.001 min
Response: 50261873
Conc: 48.22 ng/ml



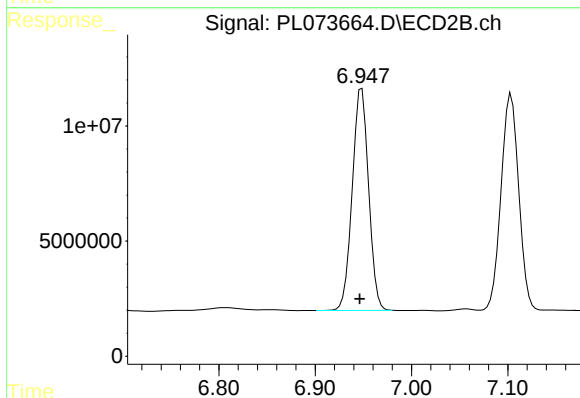
#7 delta-BHC

R.T.: 6.415 min
Delta R.T.: -0.001 min
Response: 20339975
Conc: 50.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

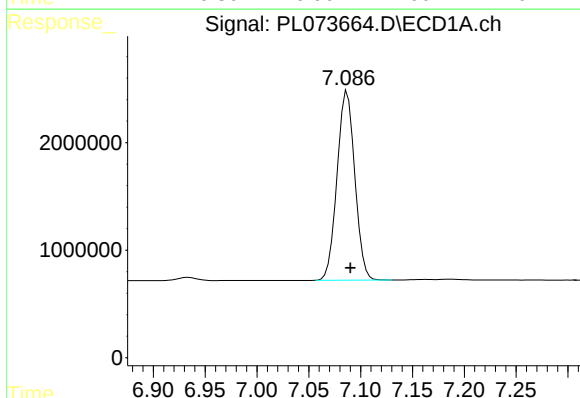
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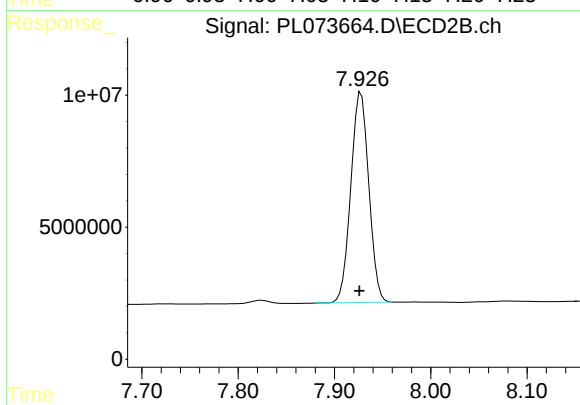
#7 delta-BHC

R.T.: 6.948 min
Delta R.T.: 0.002 min
Response: 113571016
Conc: 52.74 ng/ml



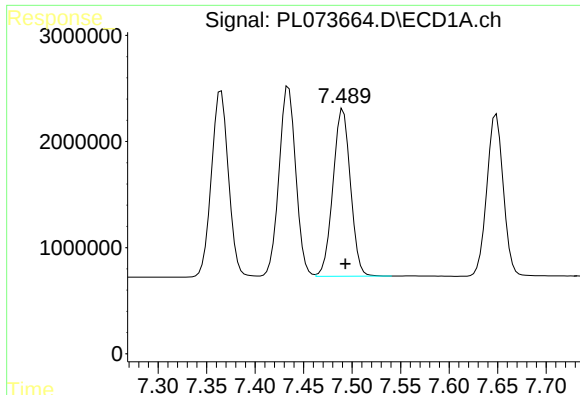
#8 Heptachlor epoxide

R.T.: 7.087 min
Delta R.T.: -0.003 min
Response: 20978249
Conc: 48.68 ng/ml



#8 Heptachlor epoxide

R.T.: 7.928 min
Delta R.T.: 0.002 min
Response: 103136972
Conc: 51.64 ng/ml



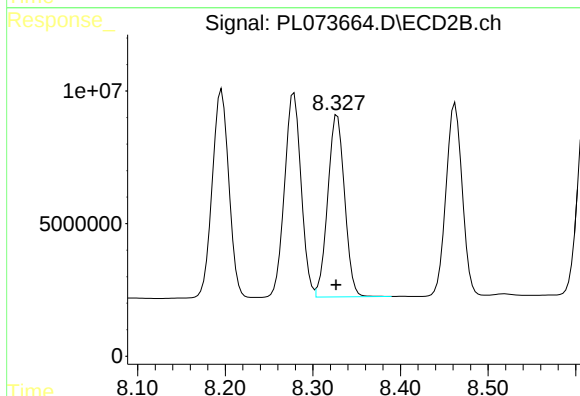
#9 Endosulfan I

R.T.: 7.491 min
Delta R.T.: -0.002 min
Response: 19784830
Conc: 48.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

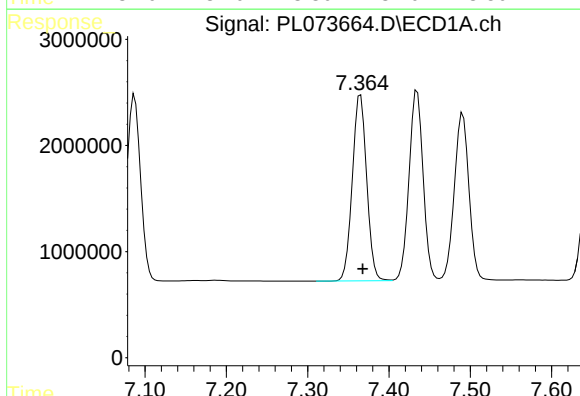
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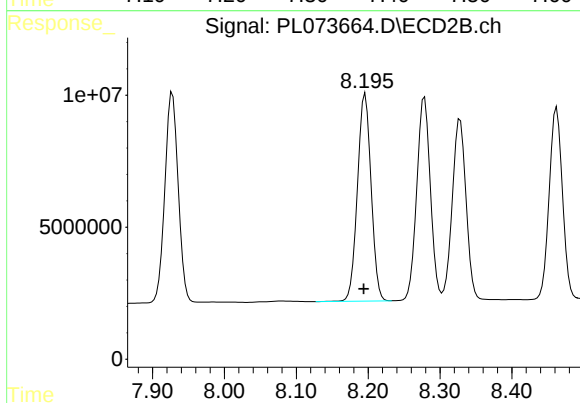
#9 Endosulfan I

R.T.: 8.328 min
Delta R.T.: 0.002 min
Response: 91753707
Conc: 50.27 ng/ml



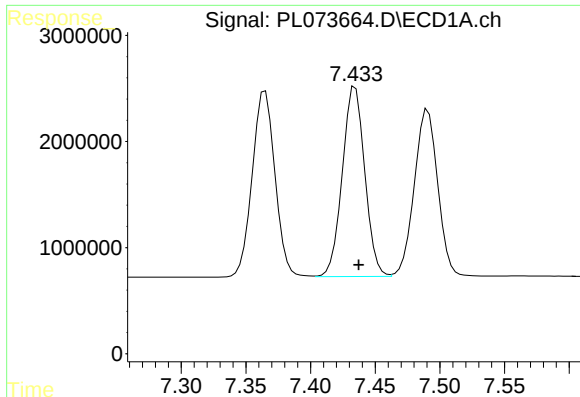
#10 gamma-Chlordane

R.T.: 7.365 min
Delta R.T.: -0.003 min
Response: 21449473
Conc: 49.05 ng/ml



#10 gamma-Chlordane

R.T.: 8.196 min
Delta R.T.: 0.002 min
Response: 103669192
Conc: 50.76 ng/ml



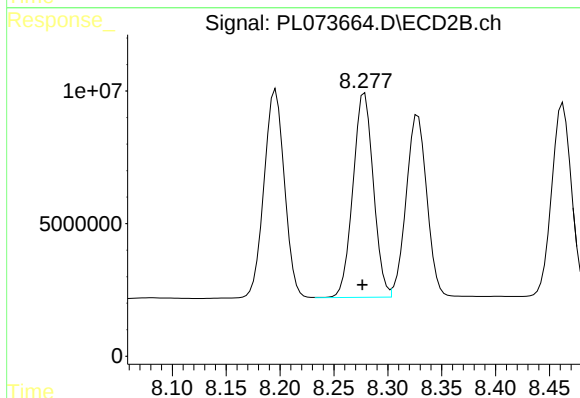
#11 alpha-Chlordane

R.T.: 7.435 min
Delta R.T.: -0.003 min
Response: 21595452
Conc: 48.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

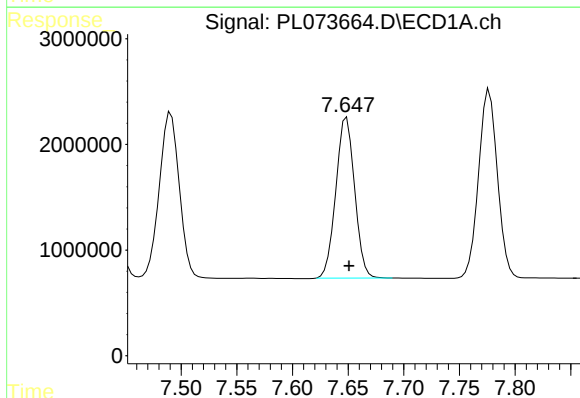
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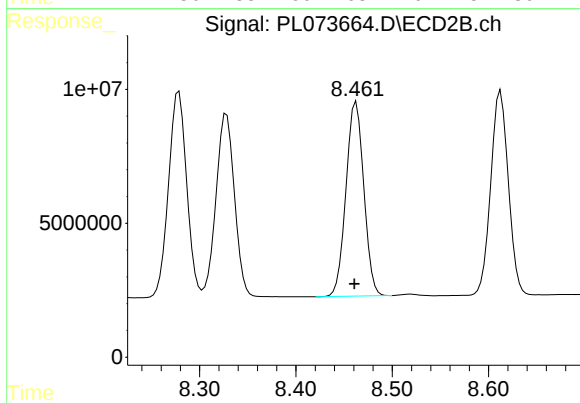
#11 alpha-Chlordane

R.T.: 8.279 min
Delta R.T.: 0.002 min
Response: 101471114
Conc: 50.74 ng/ml



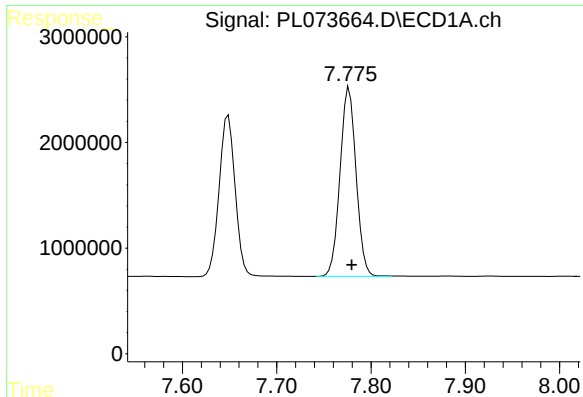
#12 4,4'-DDE

R.T.: 7.649 min
Delta R.T.: -0.002 min
Response: 17877227
Conc: 49.82 ng/ml



#12 4,4'-DDE

R.T.: 8.463 min
Delta R.T.: 0.002 min
Response: 92928714
Conc: 51.85 ng/ml



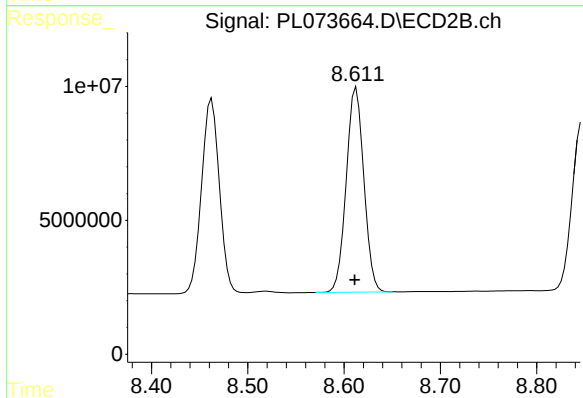
#13 Dieldrin

R.T.: 7.777 min
Delta R.T.: -0.003 min
Response: 21159598
Conc: 50.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

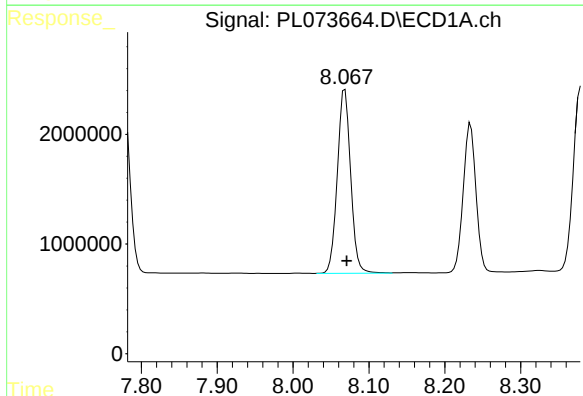
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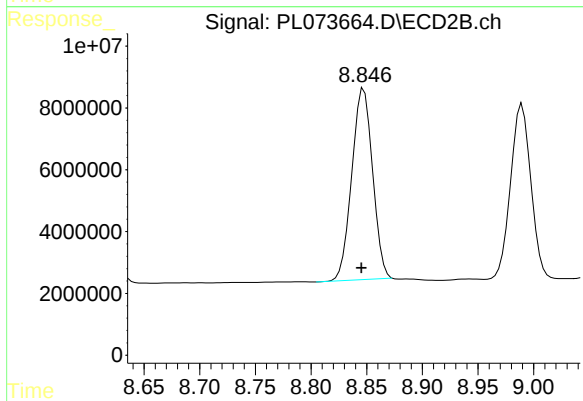
#13 Dieldrin

R.T.: 8.613 min
Delta R.T.: 0.001 min
Response: 96611381
Conc: 52.37 ng/ml



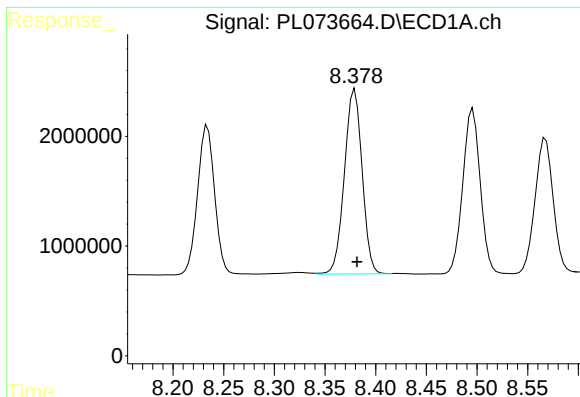
#14 Endrin

R.T.: 8.068 min
Delta R.T.: -0.003 min
Response: 20474415
Conc: 52.77 ng/ml



#14 Endrin

R.T.: 8.847 min
Delta R.T.: 0.002 min
Response: 80500027
Conc: 52.29 ng/ml



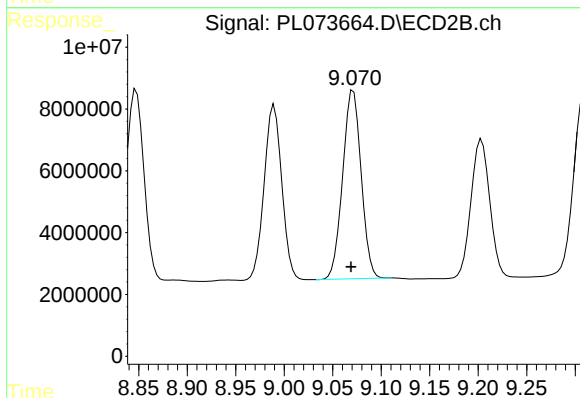
#15 Endosulfan II

R.T.: 8.379 min
Delta R.T.: -0.002 min
Response: 20454012
Conc: 52.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

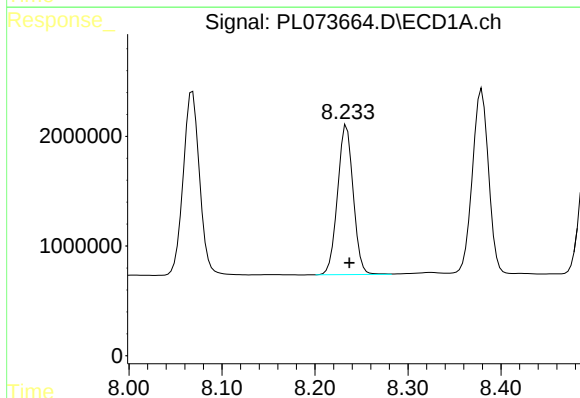
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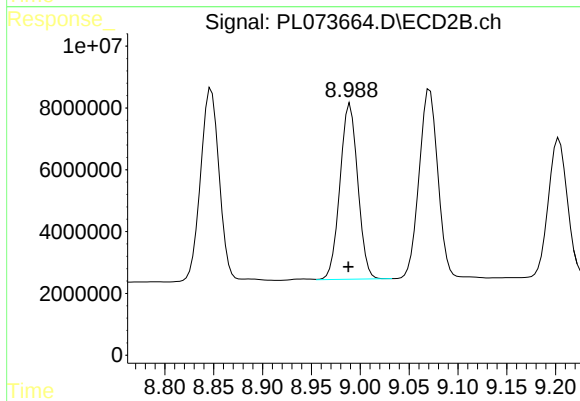
#15 Endosulfan II

R.T.: 9.071 min
Delta R.T.: 0.002 min
Response: 80942086
Conc: 52.70 ng/ml



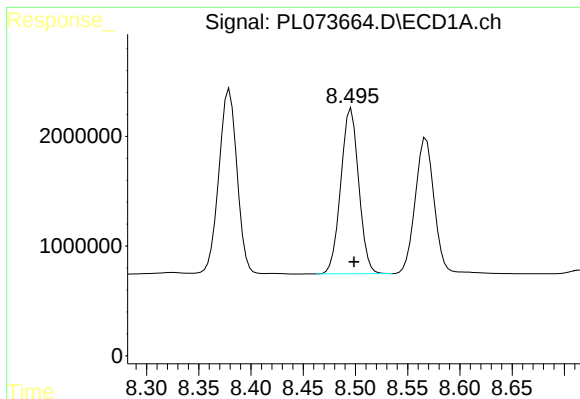
#16 4,4'-DDD

R.T.: 8.234 min
Delta R.T.: -0.003 min
Response: 15941596
Conc: 49.09 ng/ml



#16 4,4'-DDD

R.T.: 8.990 min
Delta R.T.: 0.002 min
Response: 72317185
Conc: 49.54 ng/ml



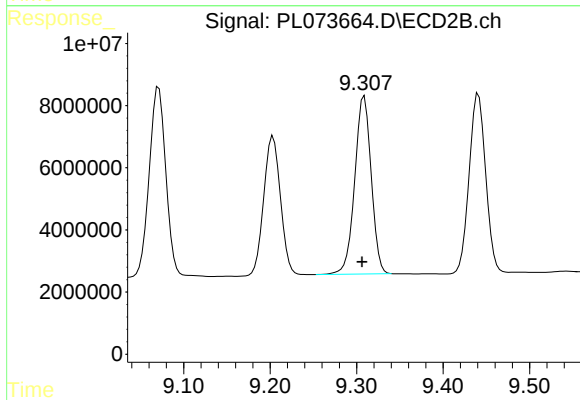
#17 4,4'-DDT

R.T.: 8.496 min
Delta R.T.: -0.003 min
Response: 17983919
Conc: 47.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

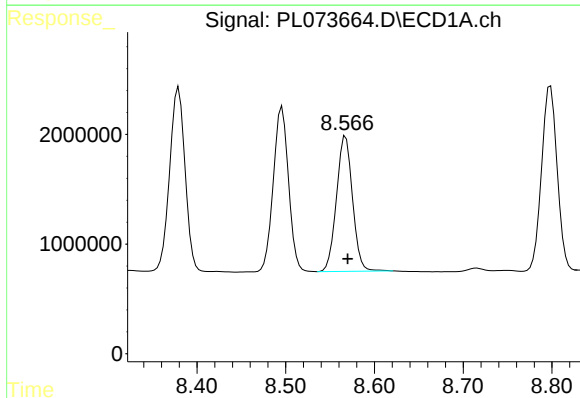
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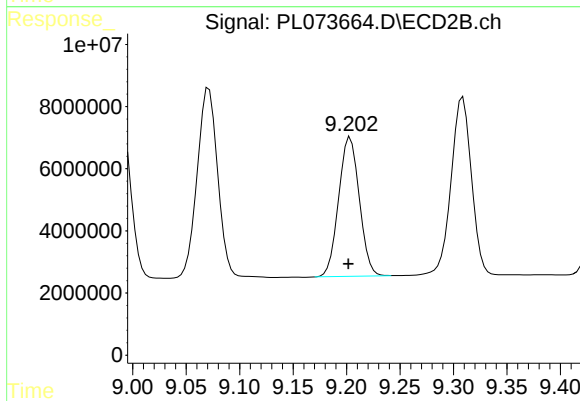
#17 4,4'-DDT

R.T.: 9.309 min
Delta R.T.: 0.002 min
Response: 75775161
Conc: 46.36 ng/ml



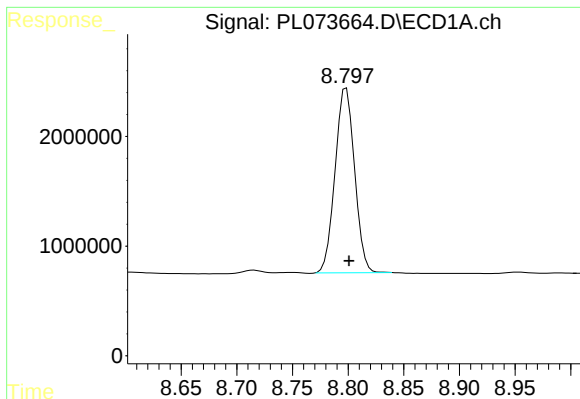
#18 Endrin aldehyde

R.T.: 8.568 min
Delta R.T.: -0.002 min
Response: 15482916
Conc: 48.96 ng/ml



#18 Endrin aldehyde

R.T.: 9.202 min
Delta R.T.: 0.000 min
Response: 60430117
Conc: 49.28 ng/ml m



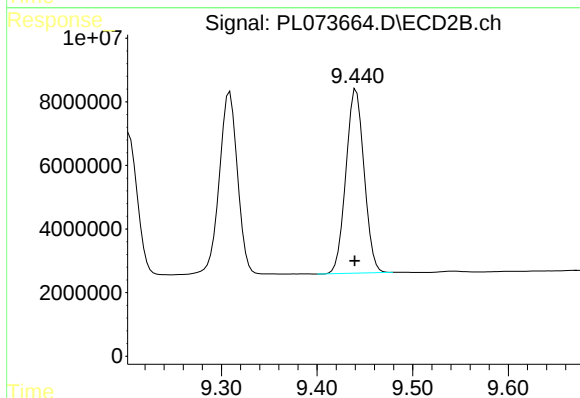
#19 Endosulfan Sulfate

R.T.: 8.798 min
Delta R.T.: -0.003 min
Response: 20554570
Conc: 48.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

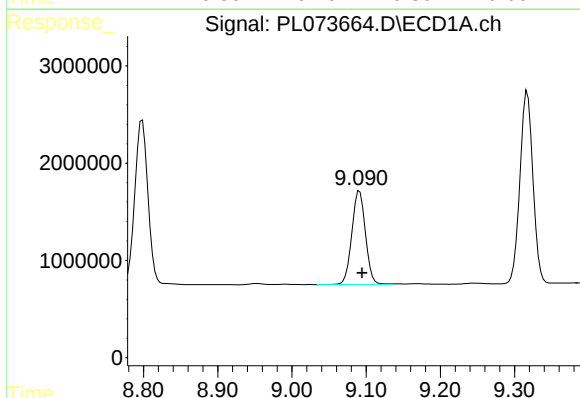
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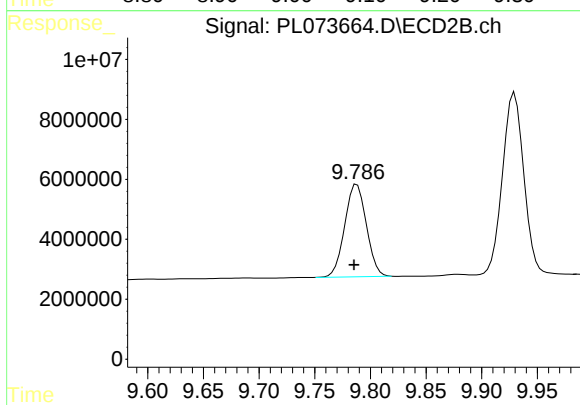
#19 Endosulfan Sulfate

R.T.: 9.441 min
Delta R.T.: 0.002 min
Response: 76831847
Conc: 48.75 ng/ml



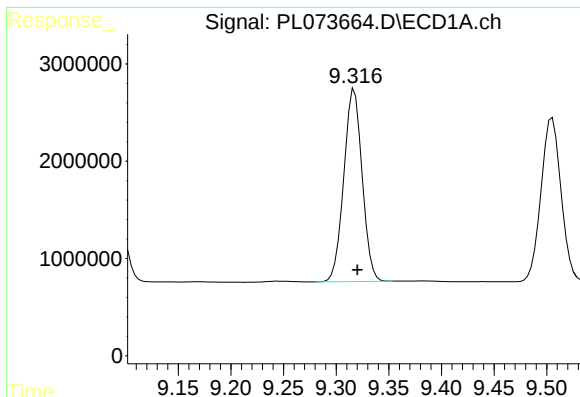
#20 Methoxychlor

R.T.: 9.091 min
Delta R.T.: -0.003 min
Response: 12227914
Conc: 47.67 ng/ml



#20 Methoxychlor

R.T.: 9.788 min
Delta R.T.: 0.002 min
Response: 41826158
Conc: 46.42 ng/ml



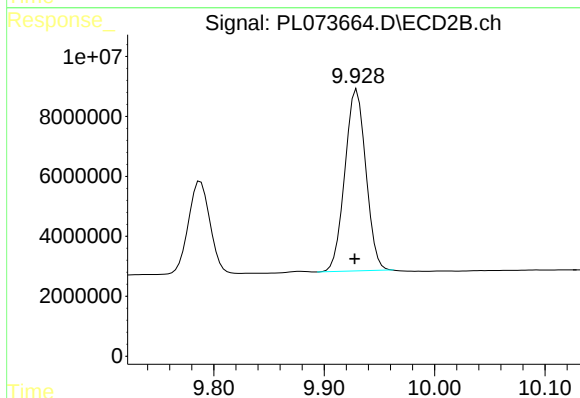
#21 Endrin ketone

R.T.: 9.317 min
Delta R.T.: -0.003 min
Response: 24036138
Conc: 49.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

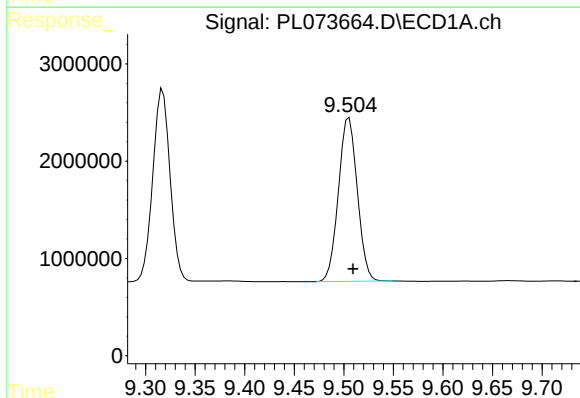
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APPROVED

Reviewed By :Abdul Mirza 03/25/2022
Supervised By :mohammad ahmed 03/25/2022



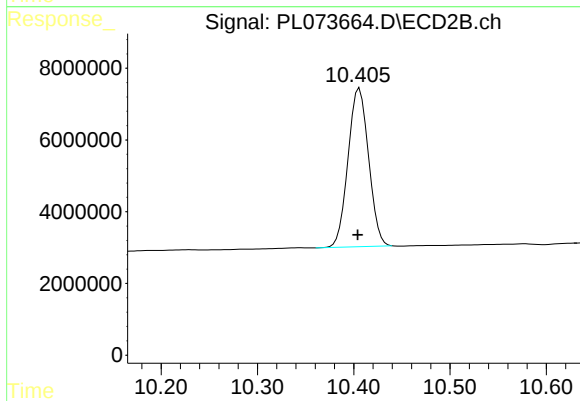
#21 Endrin ketone

R.T.: 9.930 min
Delta R.T.: 0.002 min
Response: 80038475
Conc: 48.49 ng/ml



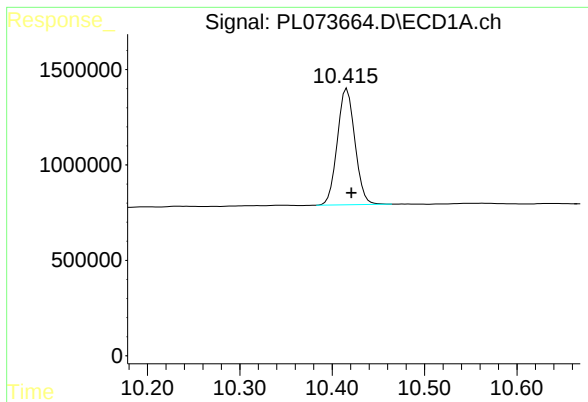
#22 Mirex

R.T.: 9.505 min
Delta R.T.: -0.004 min
Response: 22295569
Conc: 47.28 ng/ml



#22 Mirex

R.T.: 10.406 min
Delta R.T.: 0.002 min
Response: 65467075
Conc: 48.19 ng/ml



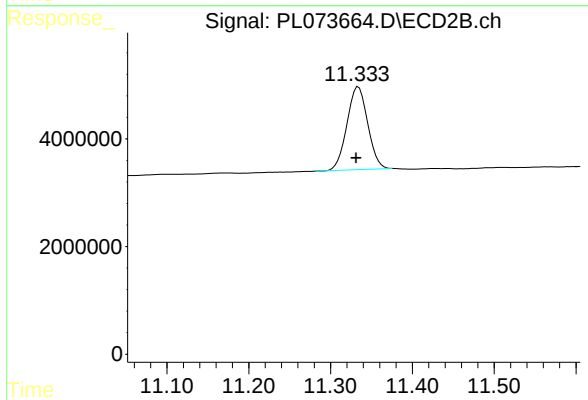
#28 Decachlorobiphenyl

R.T.: 10.416 min
Delta R.T.: -0.005 min
Response: 8070023
Conc: 15.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
MHBMSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 11.334 min
Delta R.T.: 0.003 min
Response: 27090790
Conc: 15.15 ng/ml