

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032822\
 Data File : PL073699.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Mar 2022 13:06
 Operator : AR\AJ
 Sample : PB143597BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB143597BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/29/2022
 Supervised By : mohammad ahmed 03/30/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 29 01:44:36 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	5.486	6465583	33838980	20.187	20.618
28)	SA Decachlor...	10.426	11.336	11050959	35874424	21.733	20.062
Target Compounds							
2)	A alpha-BHC	5.360	6.051	21350019	122.4E6	51.795	54.414
3)	MA gamma-BHC...	5.784	6.441	21199233	114.0E6	50.821	53.388
4)	MA Heptachlor	6.196	7.100	21553931	115.5E6	47.770	49.300
5)	MB Aldrin	6.520	7.469	21753887	114.2E6	52.651	54.529
6)	B beta-BHC	6.164	6.677	10579028	48934599	51.380	46.945
7)	B delta-BHC	6.426	6.945	21139549	112.9E6	52.632	52.416
8)	B Heptachlo...	7.097	7.925	21846989	103.9E6	50.692	52.028
9)	A Endosulfan I	7.500	8.326	20700772	93088885	50.463	50.997
10)	B gamma-Chl...	7.375	8.194	22593837	106.4E6	51.666	52.106
11)	B alpha-Chl...	7.444	8.277	22699850	103.8E6	51.365	51.905
12)	B 4,4'-DDE	7.658	8.462	19166039	96145331	53.411	53.641
13)	MA Dieldrin	7.787	8.612	22449281	100.0E6	53.884	54.210
14)	MA Endrin	8.077	8.847	21264313	80371452	54.804	52.209
15)	B Endosulfa...	8.388	9.071	21677756	84335746	55.459	54.912
16)	A 4,4'-DDD	8.243	8.989	17736695	77475604	54.618	53.076
17)	MA 4,4'-DDT	8.505	9.308	18130690	75585298	47.942	46.243
18)	B Endrin al...	8.576	9.202	17991113	68170893	56.889	55.590m
19)	B Endosulfa...	8.808	9.441	22225168	81099411	52.614	51.457
20)	A Methoxychlor	9.100	9.788	11633386	40332333	45.348	44.760
21)	B Endrin ke...	9.327	9.930	26917043	85192313	55.020	51.613
22)	Mirex	9.514	10.407	26361708	74427229	55.903	54.788

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032822\
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Manual Integrations

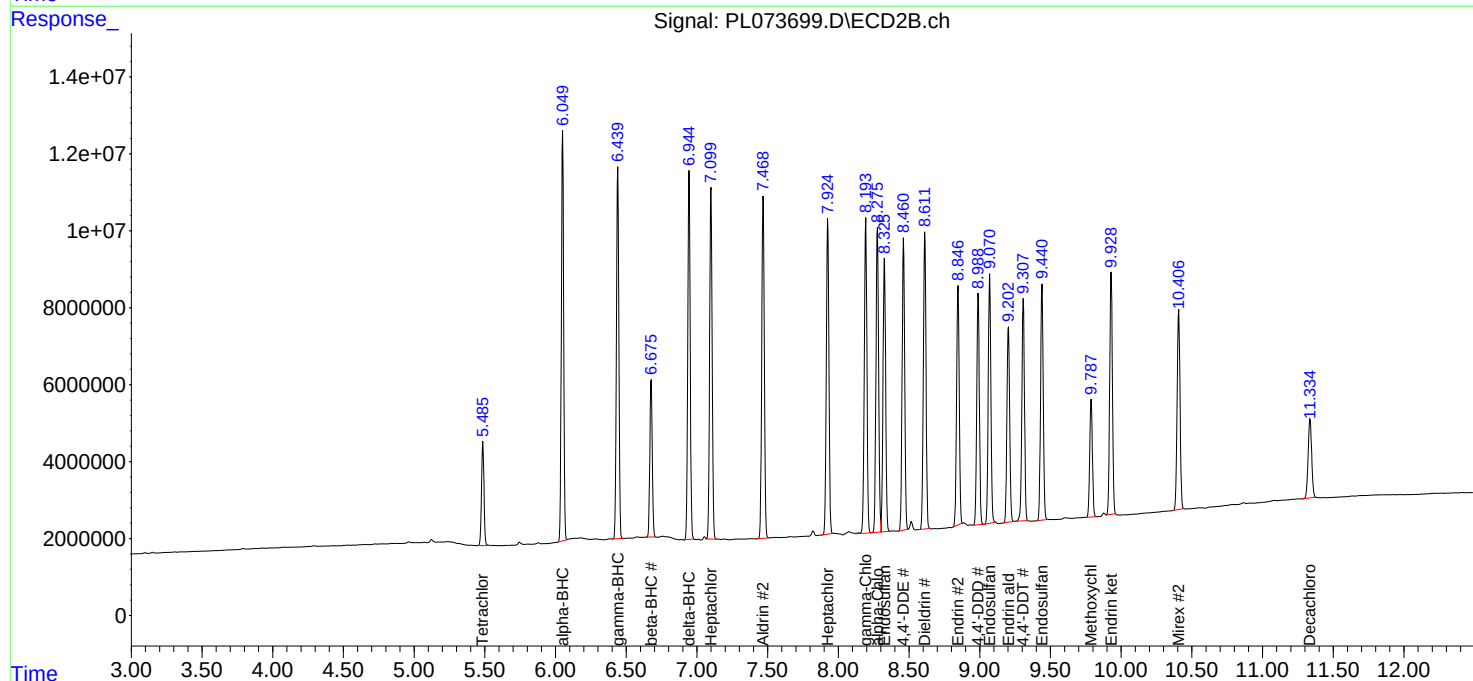
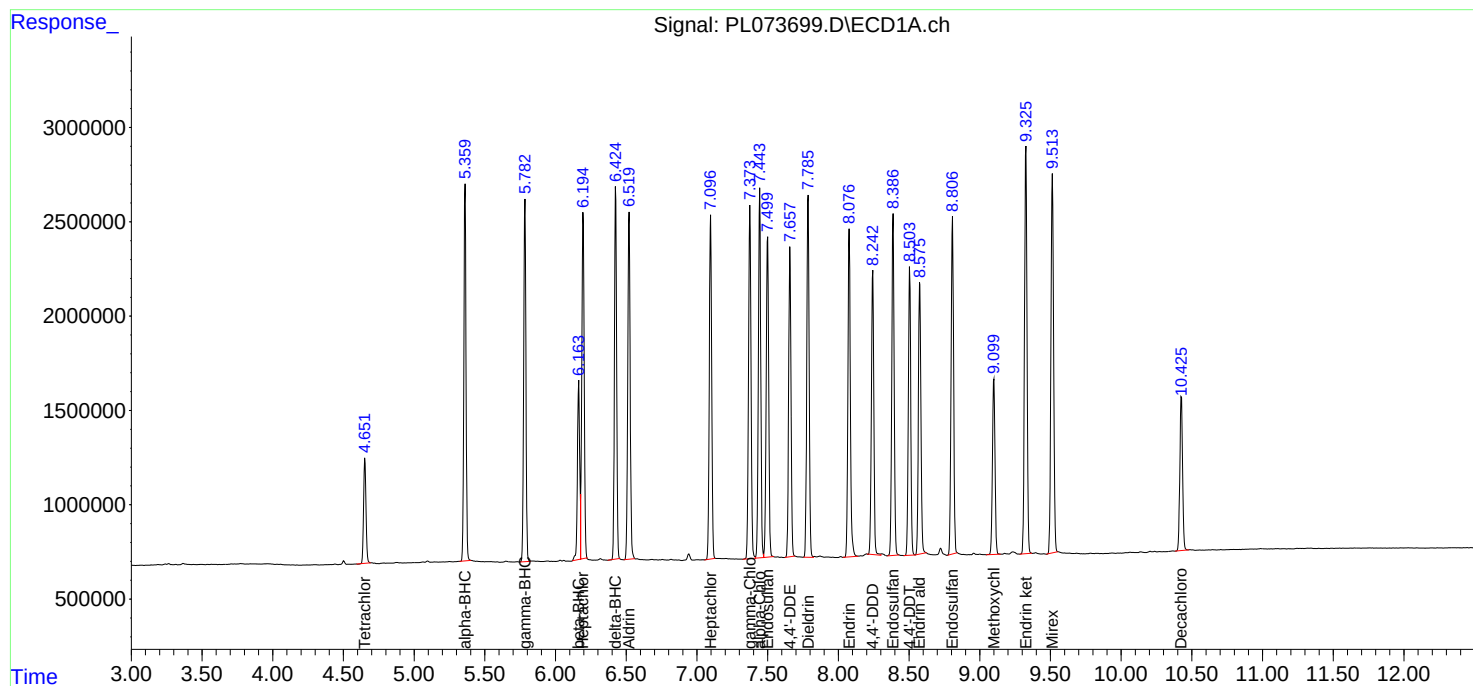
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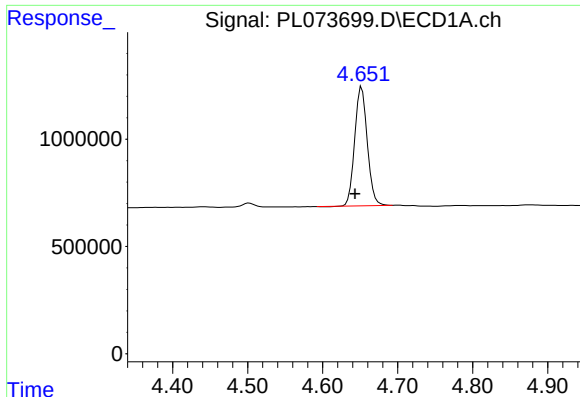
Reviewed By :Abdul Mirza 03/29/2022

Supervised By :mohammad ahmed 03/30/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 29 01:44:36 2022
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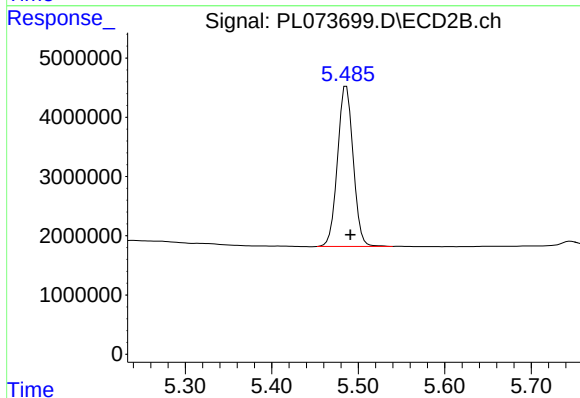
#1 Tetrachloro-m-xylene

R.T.: 4.652 min
Delta R.T.: 0.009 min
Response: 6465583
Conc: 20.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

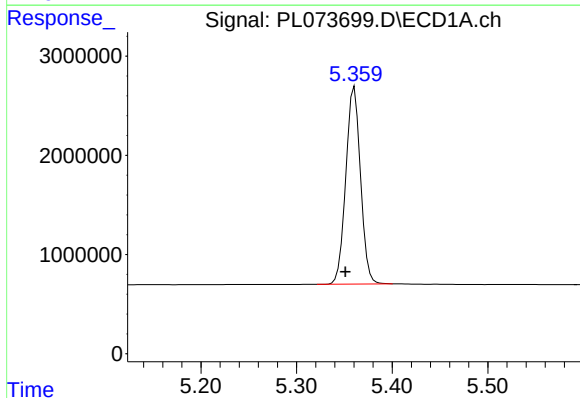
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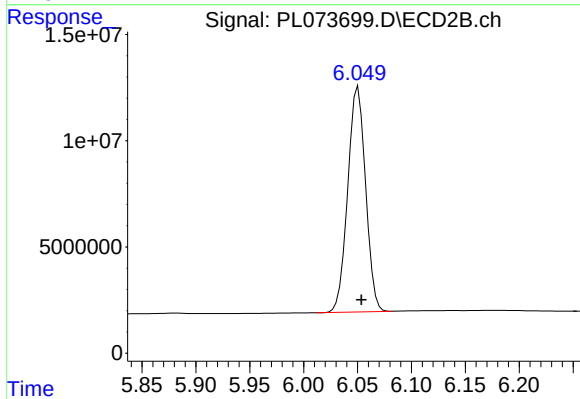
#1 Tetrachloro-m-xylene

R.T.: 5.486 min
Delta R.T.: -0.005 min
Response: 33838980
Conc: 20.62 ng/ml



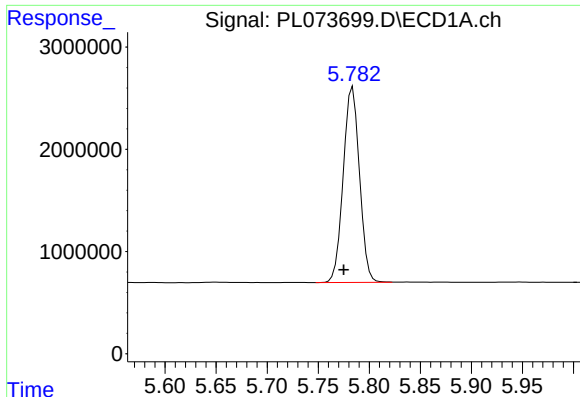
#2 alpha-BHC

R.T.: 5.360 min
Delta R.T.: 0.009 min
Response: 21350019
Conc: 51.79 ng/ml



#2 alpha-BHC

R.T.: 6.051 min
Delta R.T.: -0.003 min
Response: 122412603
Conc: 54.41 ng/ml



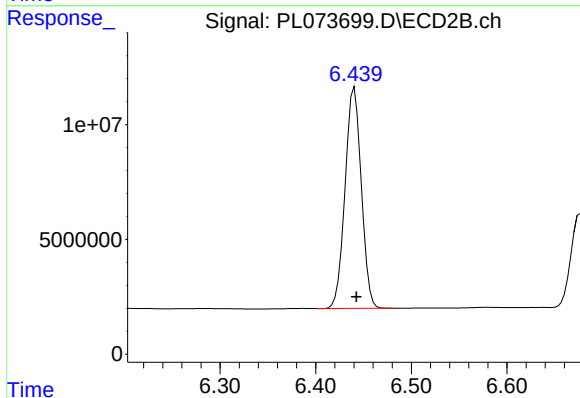
#3 gamma-BHC (Lindane)

R.T.: 5.784 min
Delta R.T.: 0.009 min
Response: 21199233
Conc: 50.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

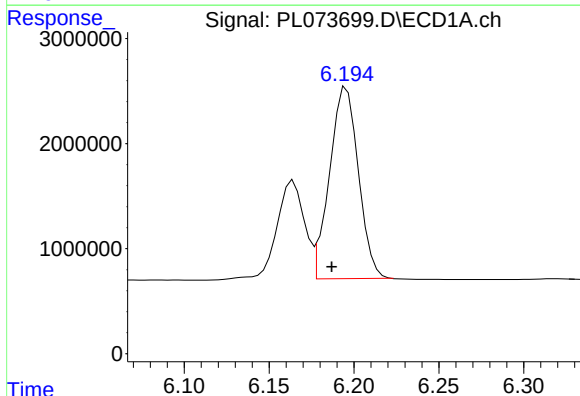
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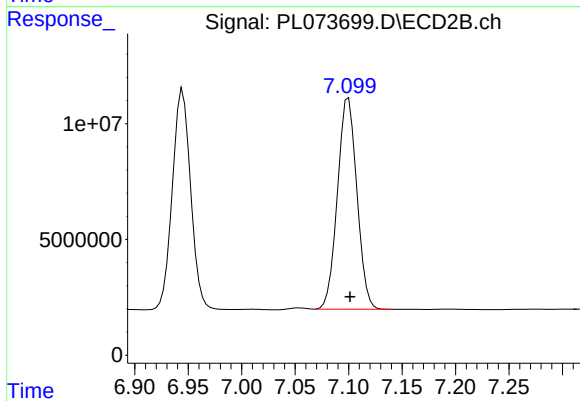
#3 gamma-BHC (Lindane)

R.T.: 6.441 min
Delta R.T.: -0.002 min
Response: 113988092
Conc: 53.39 ng/ml



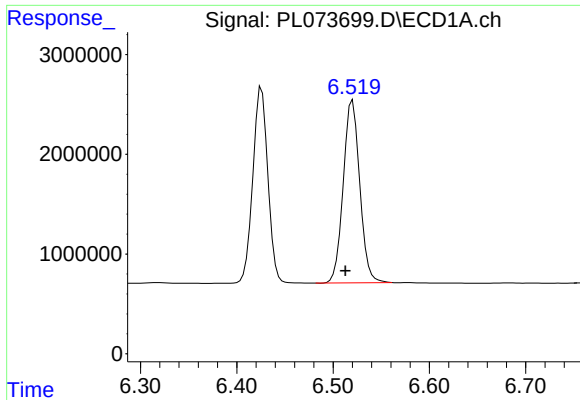
#4 Heptachlor

R.T.: 6.196 min
Delta R.T.: 0.009 min
Response: 21553931
Conc: 47.77 ng/ml



#4 Heptachlor

R.T.: 7.100 min
Delta R.T.: -0.002 min
Response: 115513674
Conc: 49.30 ng/ml



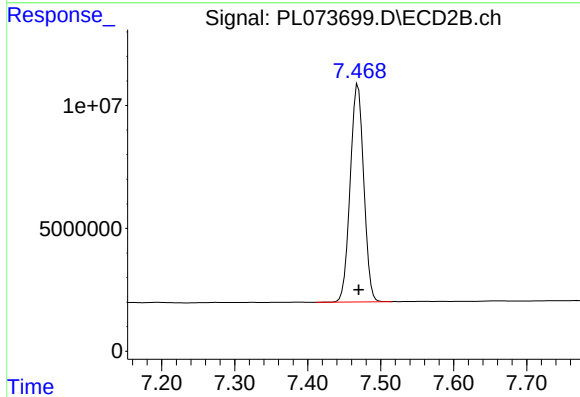
#5 Aldrin

R.T.: 6.520 min
Delta R.T.: 0.008 min
Response: 21753887
Conc: 52.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

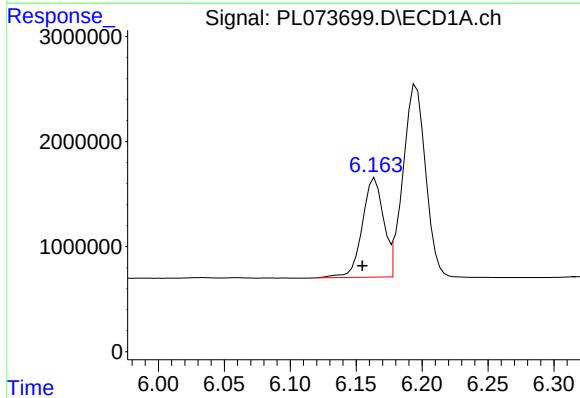
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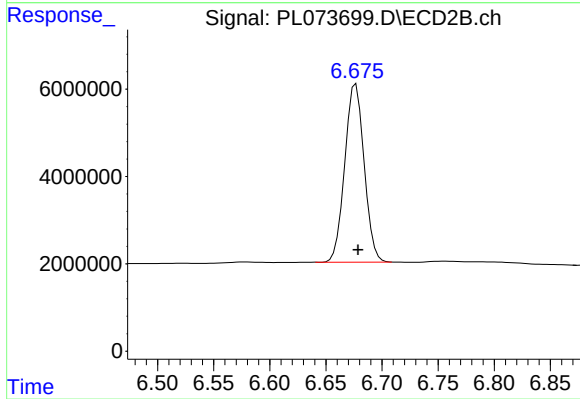
#5 Aldrin

R.T.: 7.469 min
Delta R.T.: 0.000 min
Response: 114236195
Conc: 54.53 ng/ml



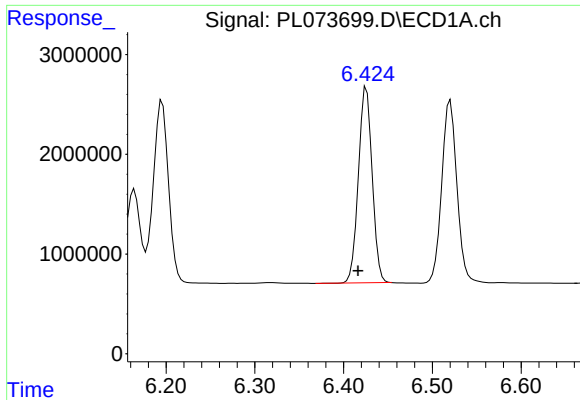
#6 beta-BHC

R.T.: 6.164 min
Delta R.T.: 0.010 min
Response: 10579028
Conc: 51.38 ng/ml



#6 beta-BHC

R.T.: 6.677 min
Delta R.T.: -0.002 min
Response: 48934599
Conc: 46.95 ng/ml



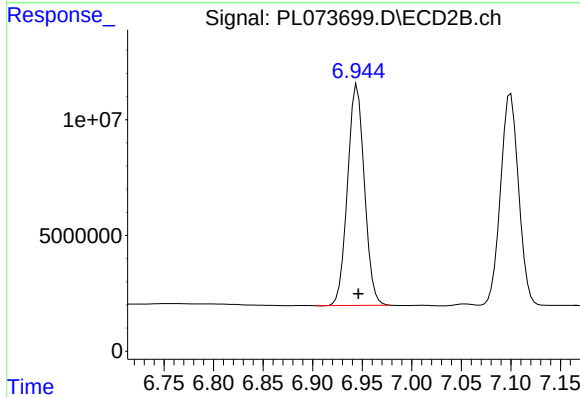
#7 delta-BHC

R.T.: 6.426 min
Delta R.T.: 0.009 min
Response: 21139549
Conc: 52.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

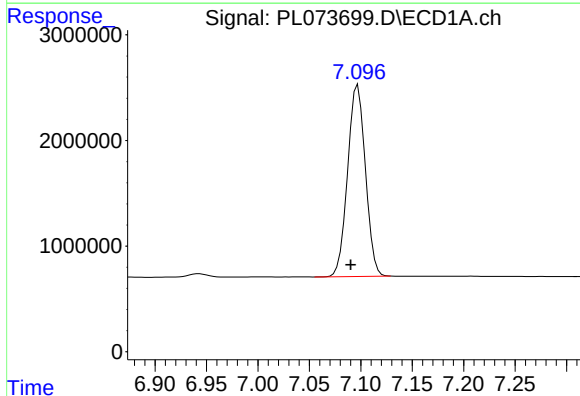
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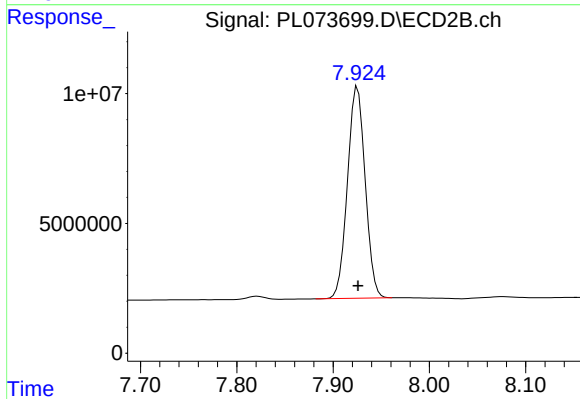
#7 delta-BHC

R.T.: 6.945 min
Delta R.T.: -0.001 min
Response: 112880250
Conc: 52.42 ng/ml



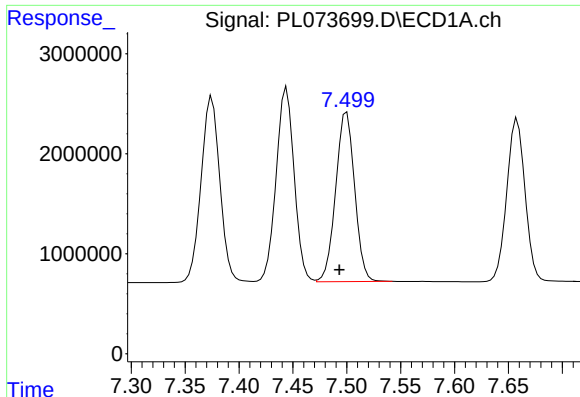
#8 Heptachlor epoxide

R.T.: 7.097 min
Delta R.T.: 0.007 min
Response: 21846989
Conc: 50.69 ng/ml



#8 Heptachlor epoxide

R.T.: 7.925 min
Delta R.T.: 0.000 min
Response: 103916703
Conc: 52.03 ng/ml



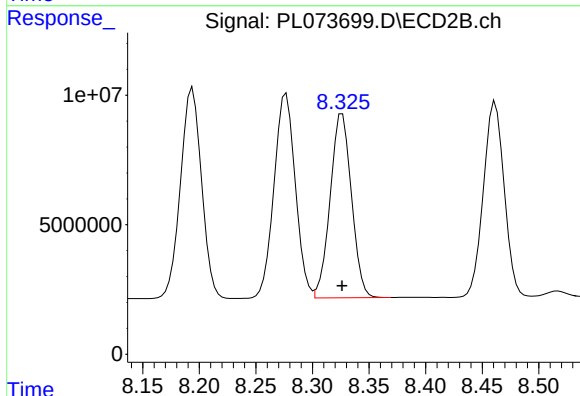
#9 Endosulfan I

R.T.: 7.500 min
Delta R.T.: 0.007 min
Response: 20700772
Conc: 50.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

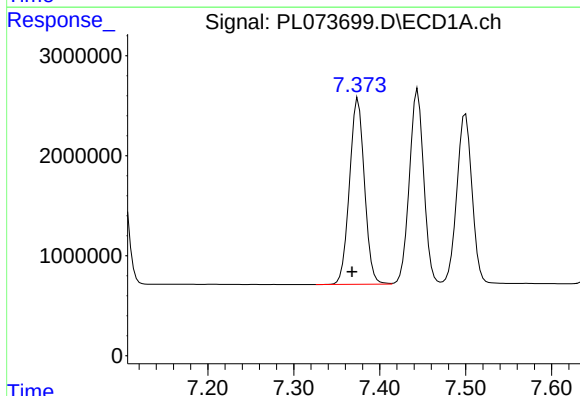
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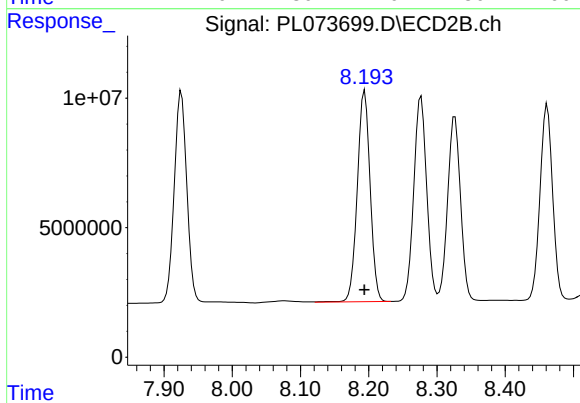
#9 Endosulfan I

R.T.: 8.326 min
Delta R.T.: 0.000 min
Response: 93088885
Conc: 51.00 ng/ml



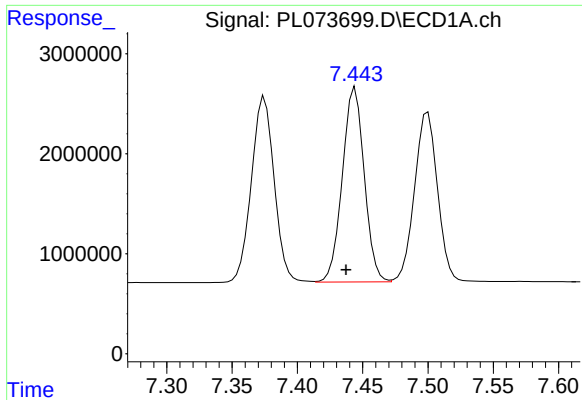
#10 gamma-Chlordane

R.T.: 7.375 min
Delta R.T.: 0.007 min
Response: 22593837
Conc: 51.67 ng/ml



#10 gamma-Chlordane

R.T.: 8.194 min
Delta R.T.: 0.000 min
Response: 106421787
Conc: 52.11 ng/ml



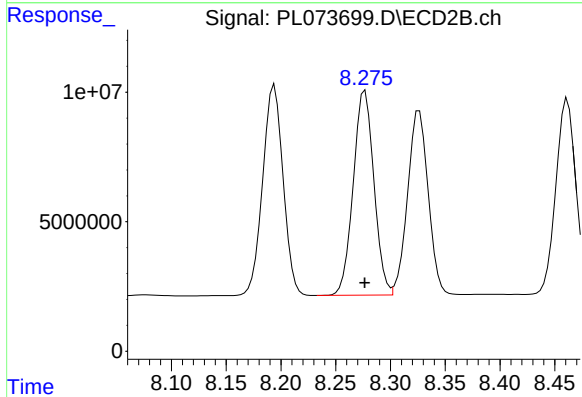
#11 alpha-Chlordane

R.T.: 7.444 min
Delta R.T.: 0.007 min
Response: 22699850
Conc: 51.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

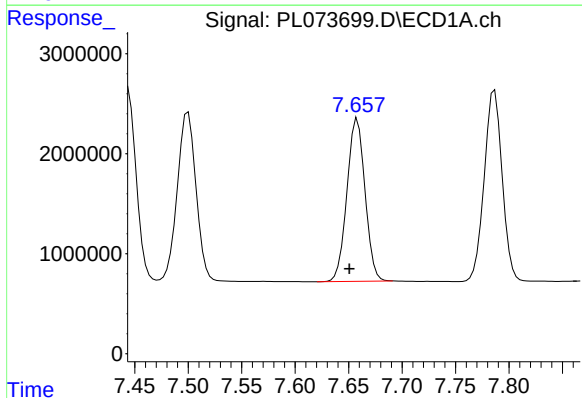
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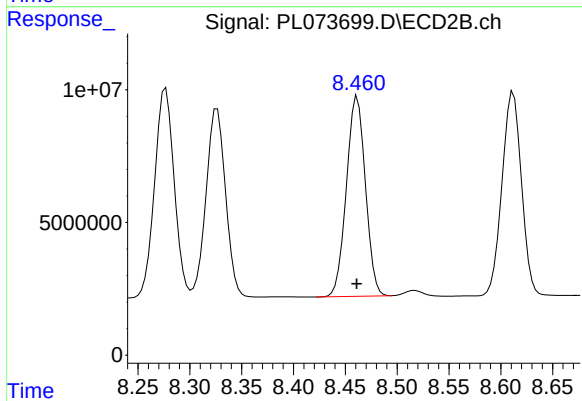
#11 alpha-Chlordane

R.T.: 8.277 min
Delta R.T.: 0.000 min
Response: 103809475
Conc: 51.90 ng/ml



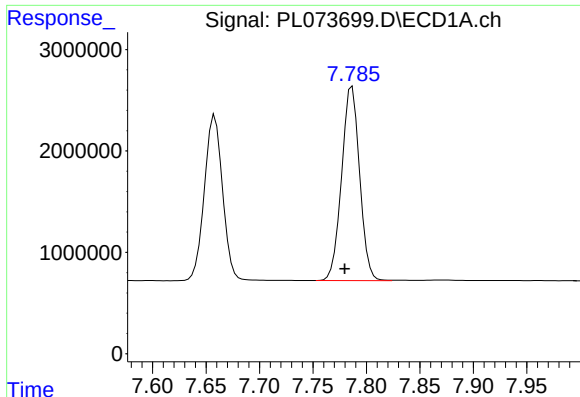
#12 4,4'-DDE

R.T.: 7.658 min
Delta R.T.: 0.007 min
Response: 19166039
Conc: 53.41 ng/ml



#12 4,4'-DDE

R.T.: 8.462 min
Delta R.T.: 0.000 min
Response: 96145331
Conc: 53.64 ng/ml



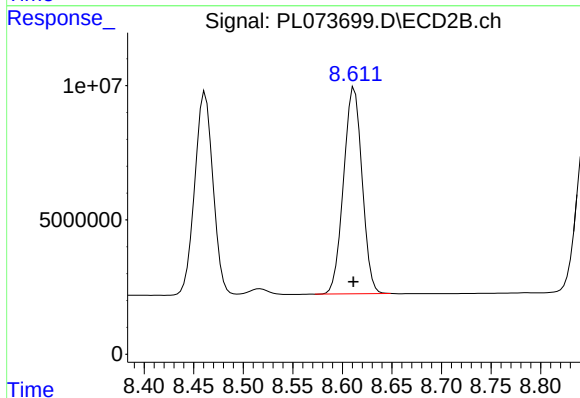
#13 Dieldrin

R.T.: 7.787 min
Delta R.T.: 0.007 min
Response: 22449281
Conc: 53.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

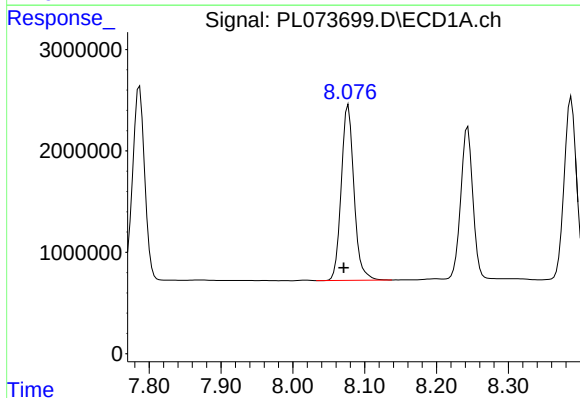
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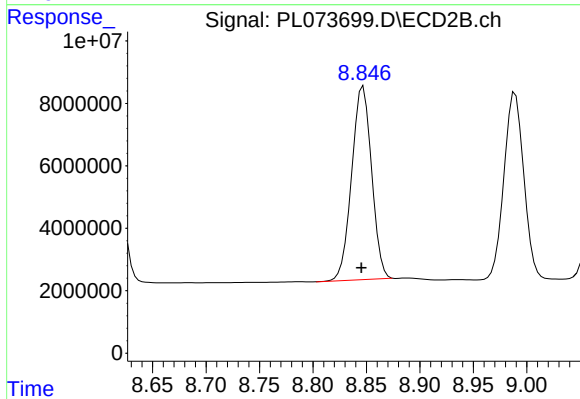
#13 Dieldrin

R.T.: 8.612 min
Delta R.T.: 0.000 min
Response: 100003611
Conc: 54.21 ng/ml



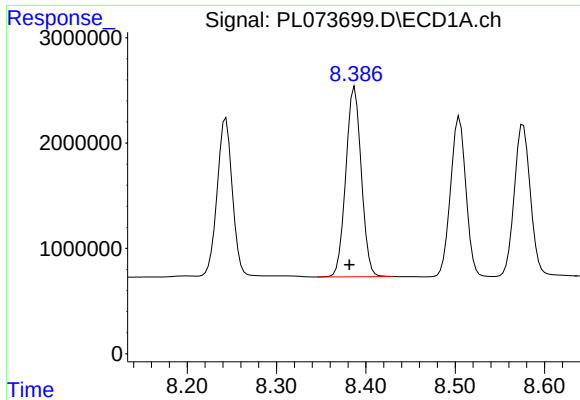
#14 Endrin

R.T.: 8.077 min
Delta R.T.: 0.006 min
Response: 21264313
Conc: 54.80 ng/ml



#14 Endrin

R.T.: 8.847 min
Delta R.T.: 0.002 min
Response: 80371452
Conc: 52.21 ng/ml



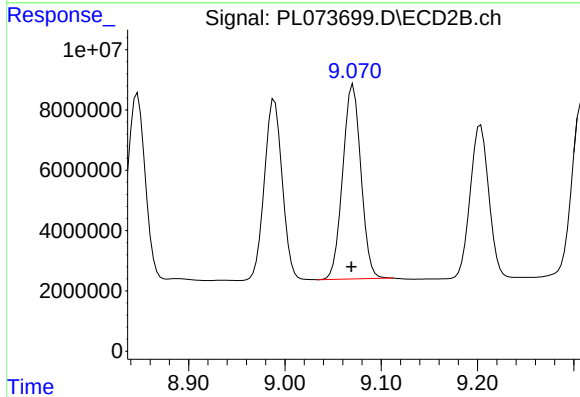
#15 Endosulfan II

R.T.: 8.388 min
Delta R.T.: 0.006 min
Response: 21677756
Conc: 55.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

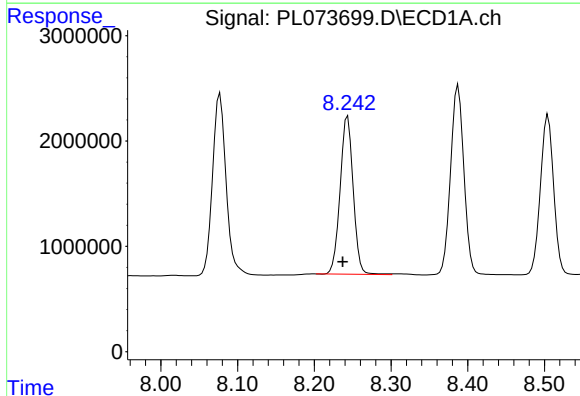
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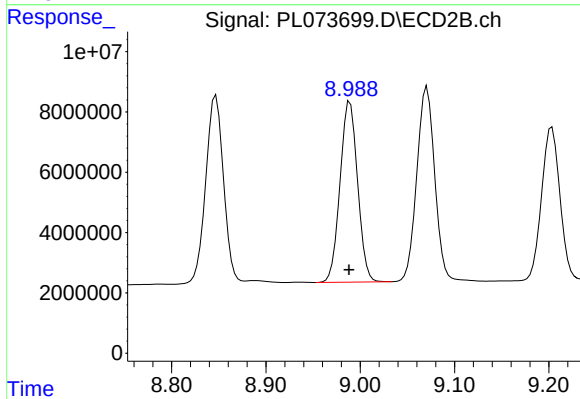
#15 Endosulfan II

R.T.: 9.071 min
Delta R.T.: 0.002 min
Response: 84335746
Conc: 54.91 ng/ml



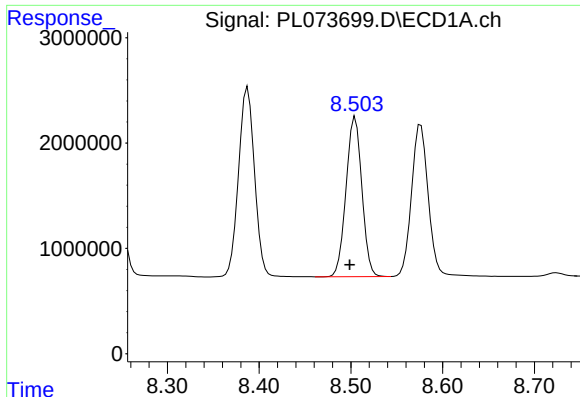
#16 4,4'-DDD

R.T.: 8.243 min
Delta R.T.: 0.006 min
Response: 17736695
Conc: 54.62 ng/ml



#16 4,4'-DDD

R.T.: 8.989 min
Delta R.T.: 0.001 min
Response: 77475604
Conc: 53.08 ng/ml



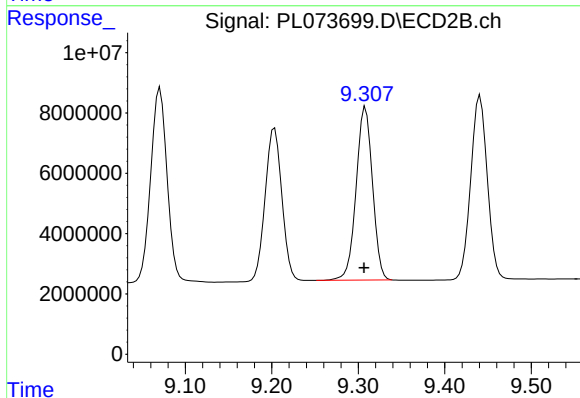
#17 4,4'-DDT

R.T.: 8.505 min
Delta R.T.: 0.006 min
Response: 18130690
Conc: 47.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

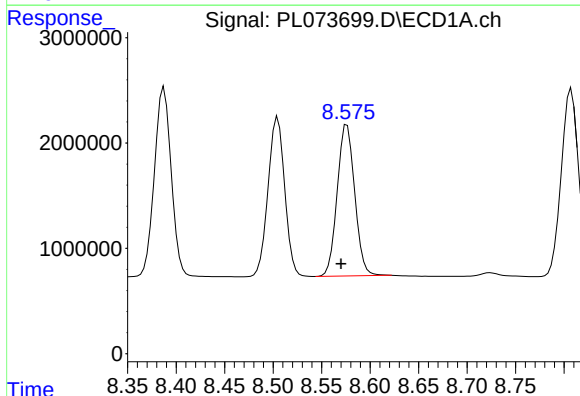
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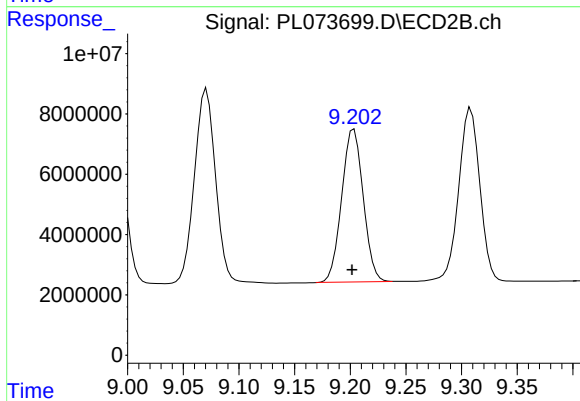
#17 4,4'-DDT

R.T.: 9.308 min
Delta R.T.: 0.002 min
Response: 75585298
Conc: 46.24 ng/ml



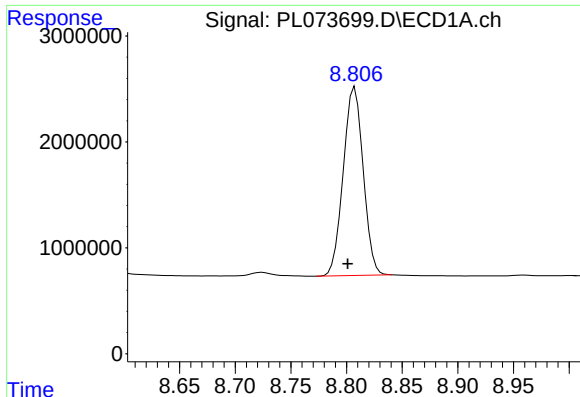
#18 Endrin aldehyde

R.T.: 8.576 min
Delta R.T.: 0.006 min
Response: 17991113
Conc: 56.89 ng/ml



#18 Endrin aldehyde

R.T.: 9.202 min
Delta R.T.: 0.000 min
Response: 68170893
Conc: 55.59 ng/ml m



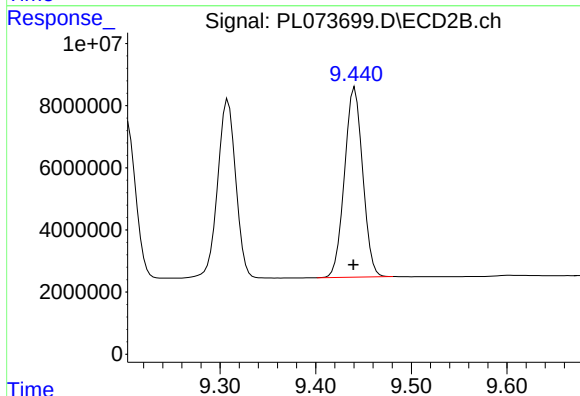
#19 Endosulfan Sulfate

R.T.: 8.808 min
Delta R.T.: 0.007 min
Response: 22225168
Conc: 52.61 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

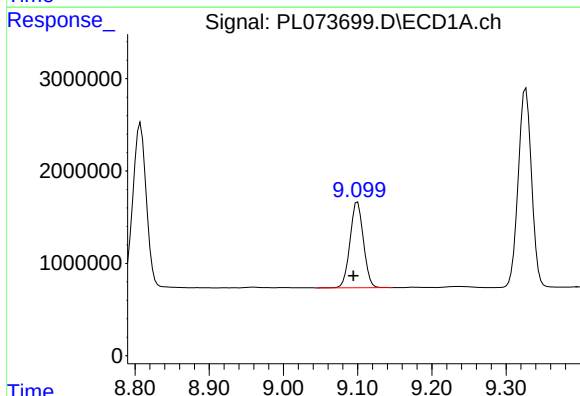
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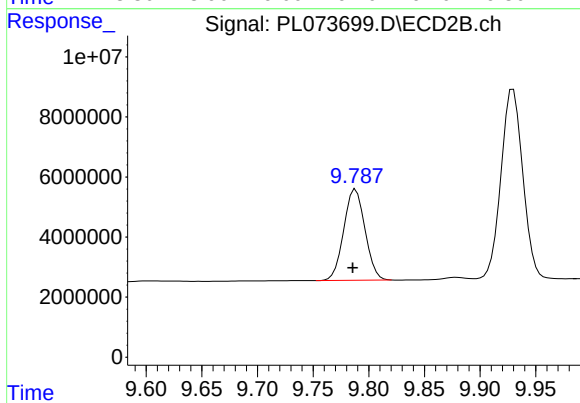
#19 Endosulfan Sulfate

R.T.: 9.441 min
Delta R.T.: 0.002 min
Response: 81099411
Conc: 51.46 ng/ml



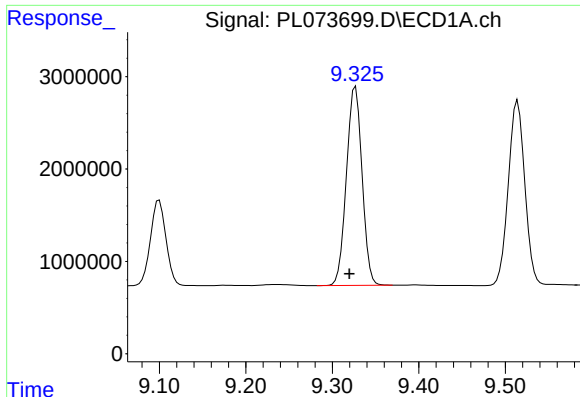
#20 Methoxychlor

R.T.: 9.100 min
Delta R.T.: 0.005 min
Response: 11633386
Conc: 45.35 ng/ml



#20 Methoxychlor

R.T.: 9.788 min
Delta R.T.: 0.003 min
Response: 40332333
Conc: 44.76 ng/ml



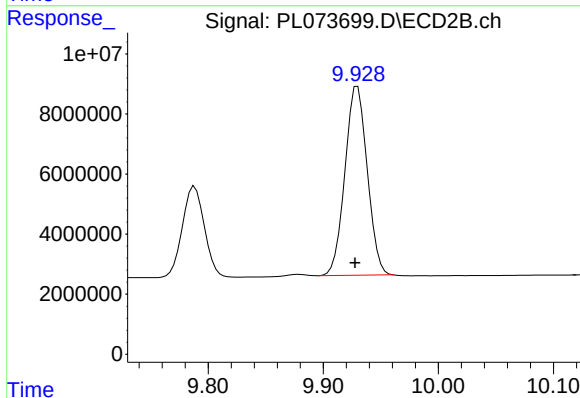
#21 Endrin ketone

R.T.: 9.327 min
Delta R.T.: 0.007 min
Response: 26917043
Conc: 55.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

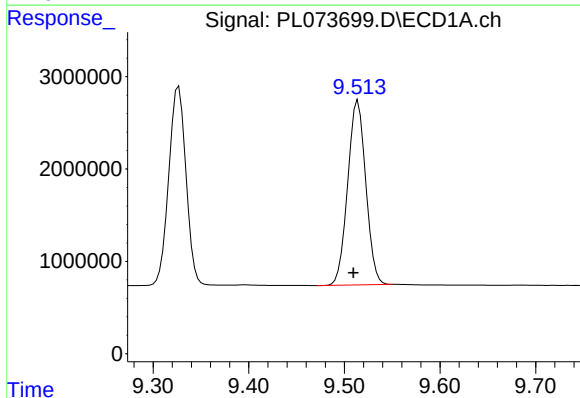
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Reviewed By :Abdul Mirza 03/29/2022
Supervised By :mohammad ahmed 03/30/2022



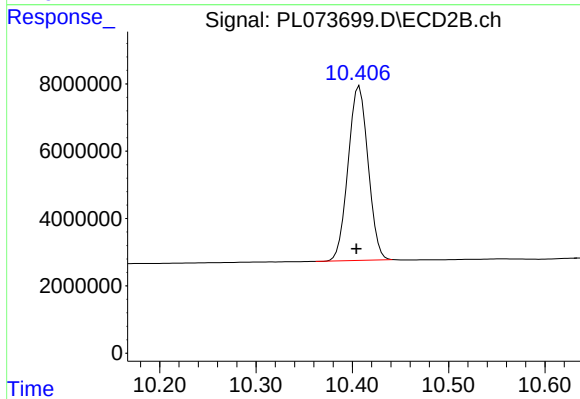
#21 Endrin ketone

R.T.: 9.930 min
Delta R.T.: 0.002 min
Response: 85192313
Conc: 51.61 ng/ml



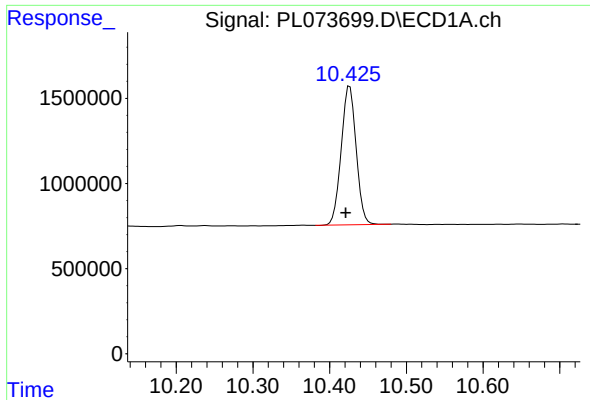
#22 Mirex

R.T.: 9.514 min
Delta R.T.: 0.005 min
Response: 26361708
Conc: 55.90 ng/ml



#22 Mirex

R.T.: 10.407 min
Delta R.T.: 0.003 min
Response: 74427229
Conc: 54.79 ng/ml



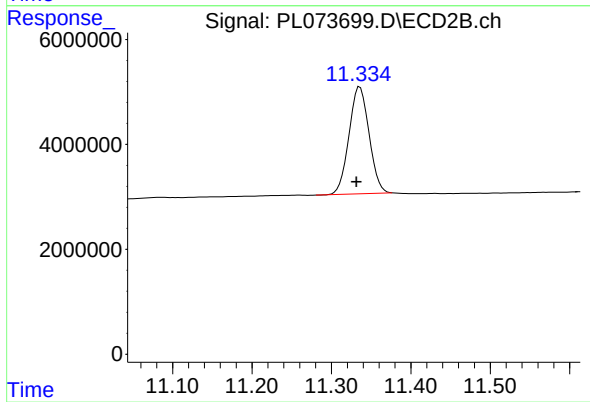
#28 Decachlorobiphenyl

R.T.: 10.426 min
Delta R.T.: 0.005 min
Response: 11050959
Conc: 21.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143597BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/29/2022
Supervised By :mohammad ahmed 03/30/2022



#28 Decachlorobiphenyl

R.T.: 11.336 min
Delta R.T.: 0.005 min
Response: 35874424
Conc: 20.06 ng/ml