

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032322\
 Data File : PL073606.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Mar 2022 15:21
 Operator : AR\AJ
 Sample : PB143539BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB143539BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/24/2022
 Supervised By : mohammad ahmed 03/25/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 24 04:29:11 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...	4.641	5.491	6605961	34545254	20.625	21.048
28)	SA Decachlor...	10.414	11.332	11163049	38196602	21.953	21.361
Target Compounds							
2)	A alpha-BHC	5.349	6.054	21463757	124.4E6	52.071	55.285
3)	MA gamma-BHC...	5.773	6.444	21338035	115.8E6	51.154	54.257
4)	MA Heptachlor	6.184	7.103	23052864	122.4E6	51.092	52.238
5)	MB Aldrin	6.509	7.471	21898194	116.3E6	53.001	55.528
6)	B beta-BHC	6.153	6.680	10402148	50768069	50.521	48.704
7)	B delta-BHC	6.414	6.948	21327964	114.4E6	53.101	53.143
8)	B Heptachlo...	7.086	7.927	22313358	106.3E6	51.774	53.233
9)	A Endosulfan I	7.489	8.327	21077950	94154383	51.382	51.580
10)	B gamma-Chl...	7.364	8.195	22798766	106.7E6	52.135	52.228
11)	B alpha-Chl...	7.433	8.277	22993077	104.2E6	52.028	52.111
12)	B 4,4'-DDE	7.647	8.462	19042577	95584852	53.067	53.329
13)	MA Dieldrin	7.776	8.612	22705433	100.3E6	54.499	54.345
14)	MA Endrin	8.067	8.846	22301917	85173998	57.479	55.329
15)	B Endosulfa...	8.377	9.070	21943261	83797574	56.139	54.562
16)	A 4,4'-DDD	8.232	8.989	16975256	73884773	52.274	50.616
17)	MA 4,4'-DDT	8.494	9.307	19732916	81780123	52.178	50.033
18)	B Endrin al...	8.566	9.201	18160596	68674715	57.425	56.001m
19)	B Endosulfa...	8.795	9.440	22383527	81125216	52.988m	51.473
20)	A Methoxychlor	9.089	9.787	13385711	46781651	52.179	51.918
21)	B Endrin ke...	9.316	9.928	25968830	83672303	53.082	50.692
22)	Mirex	9.504	10.405	26378629	75432960	55.939	55.528

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032322\
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Manual Integrations

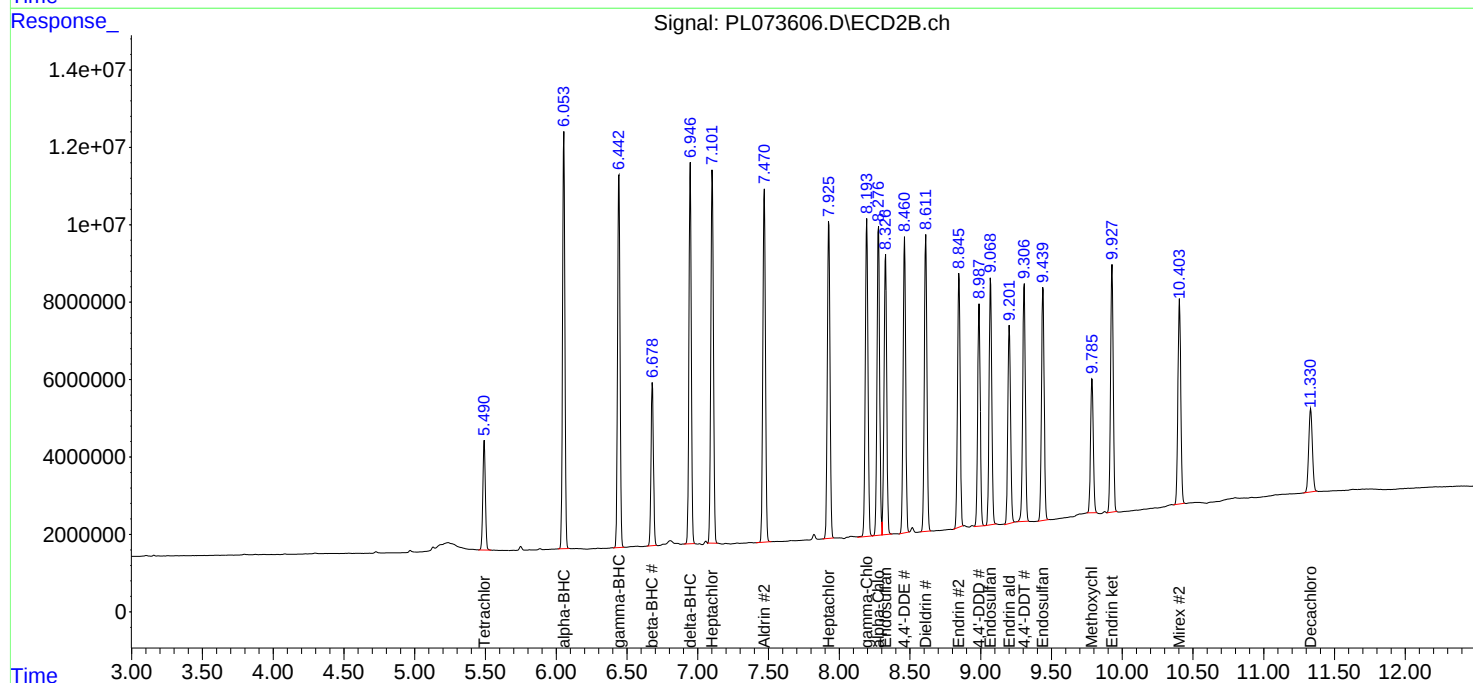
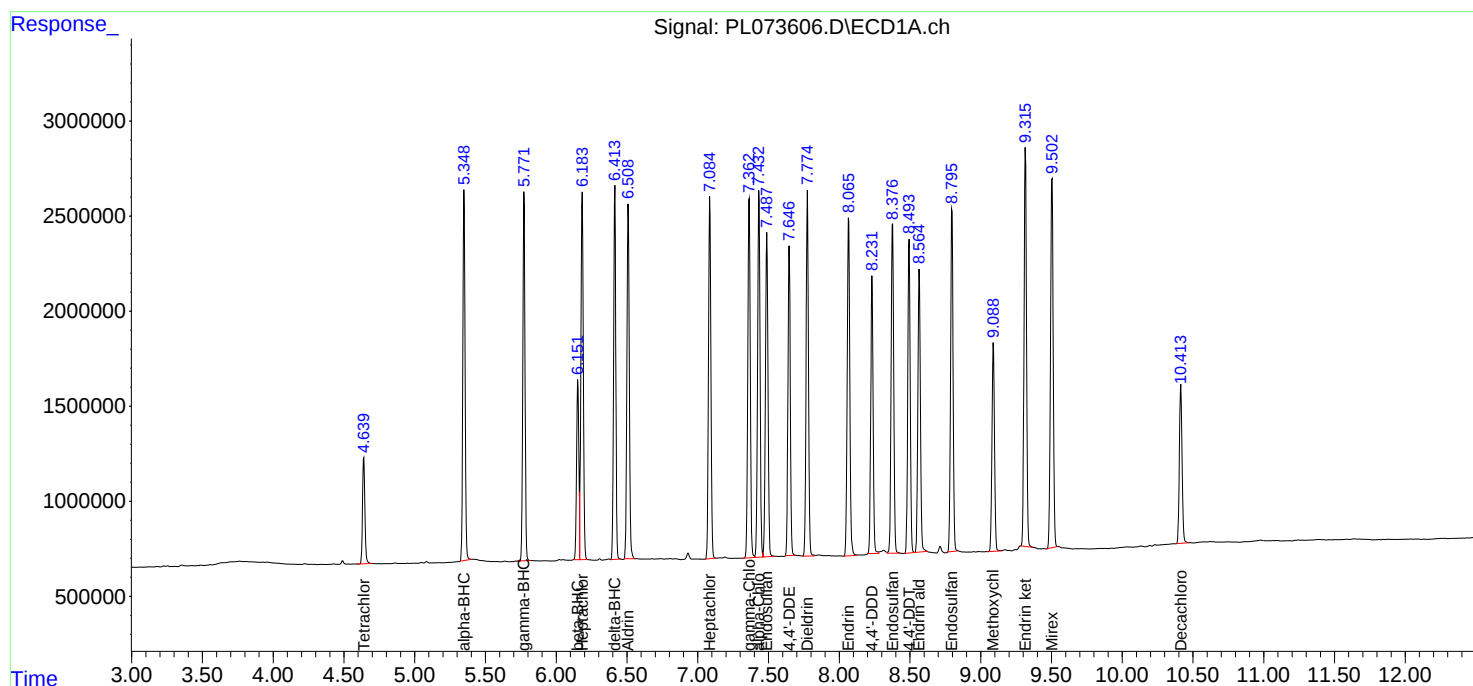
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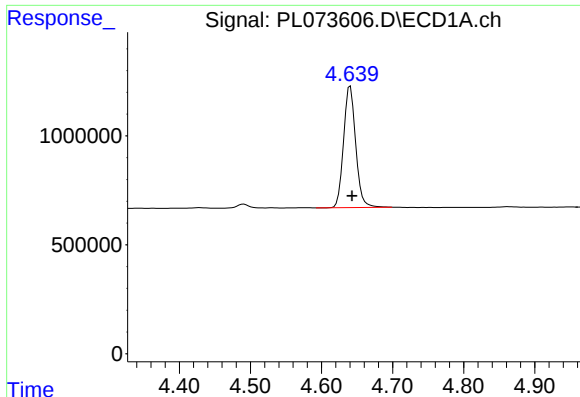
Reviewed By :Abdul Mirza 03/24/2022

Supervised By :mohammad ahmed 03/25/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 24 04:29:11 2022
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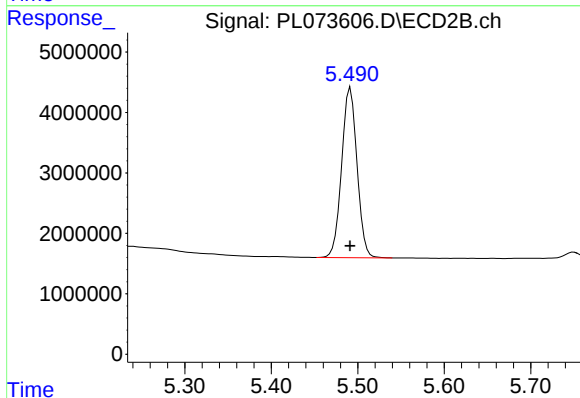
#1 Tetrachloro-m-xylene

R.T.: 4.641 min
Delta R.T.: -0.002 min
Response: 6605961
Conc: 20.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

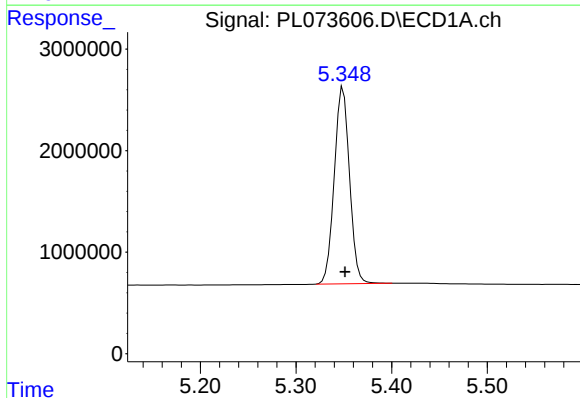
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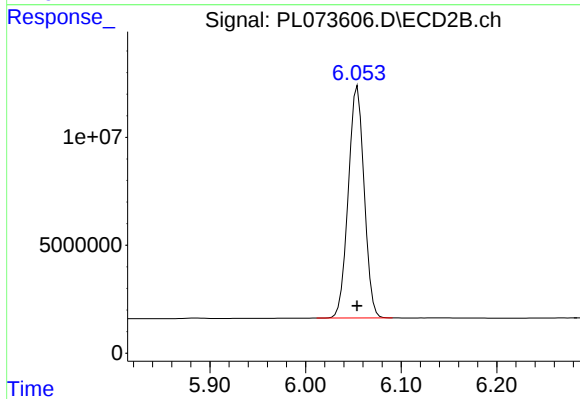
#1 Tetrachloro-m-xylene

R.T.: 5.491 min
Delta R.T.: 0.000 min
Response: 34545254
Conc: 21.05 ng/ml



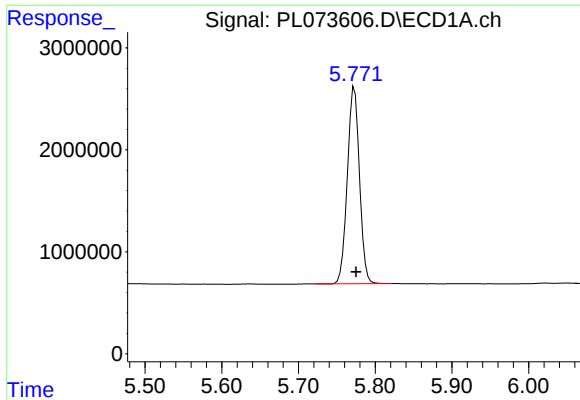
#2 alpha-BHC

R.T.: 5.349 min
Delta R.T.: -0.002 min
Response: 21463757
Conc: 52.07 ng/ml



#2 alpha-BHC

R.T.: 6.054 min
Delta R.T.: 0.000 min
Response: 124372190
Conc: 55.29 ng/ml



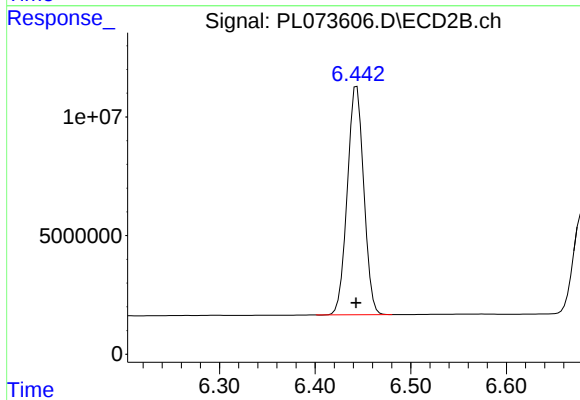
#3 gamma-BHC (Lindane)

R.T.: 5.773 min
Delta R.T.: -0.002 min
Response: 21338035
Conc: 51.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

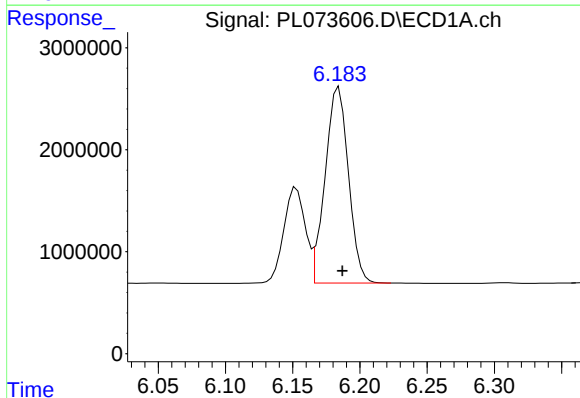
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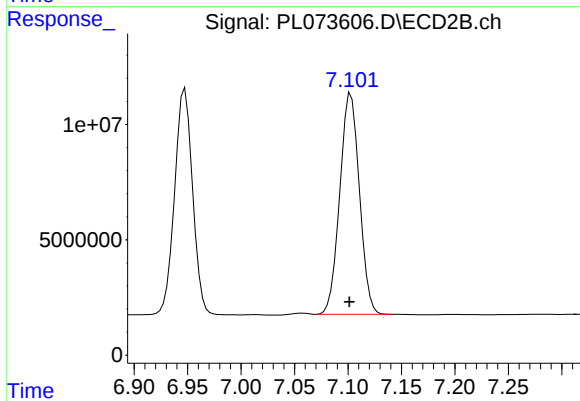
#3 gamma-BHC (Lindane)

R.T.: 6.444 min
Delta R.T.: 0.000 min
Response: 115842529
Conc: 54.26 ng/ml



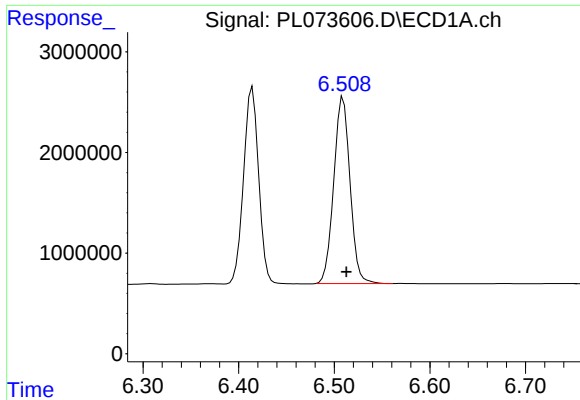
#4 Heptachlor

R.T.: 6.184 min
Delta R.T.: -0.003 min
Response: 23052864
Conc: 51.09 ng/ml



#4 Heptachlor

R.T.: 7.103 min
Delta R.T.: 0.001 min
Response: 122398265
Conc: 52.24 ng/ml



#5 Aldrin

R.T.: 6.509 min
Delta R.T.: -0.003 min
Response: 21898194
Conc: 53.00 ng/ml

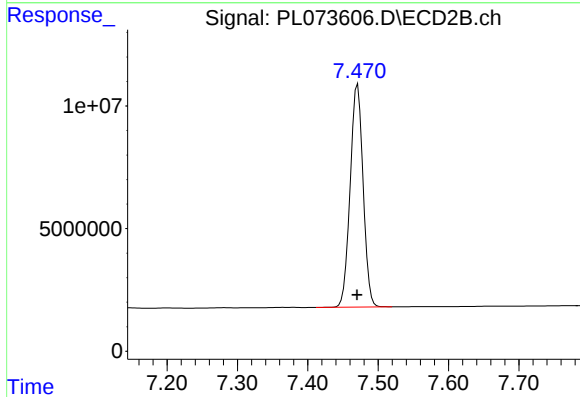
Instrument :

ECD_L

ClientSampleId :
PB143539BS

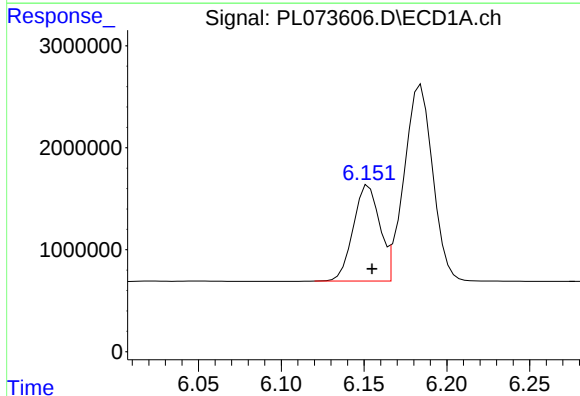
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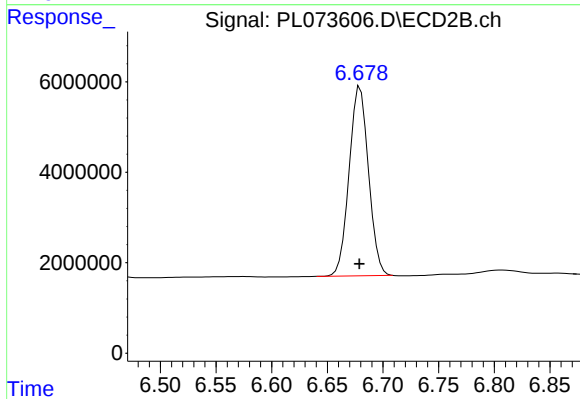
#5 Aldrin

R.T.: 7.471 min
Delta R.T.: 0.001 min
Response: 116329638
Conc: 55.53 ng/ml



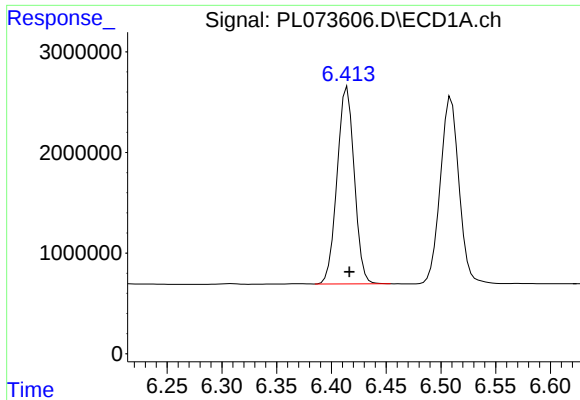
#6 beta-BHC

R.T.: 6.153 min
Delta R.T.: -0.002 min
Response: 10402148
Conc: 50.52 ng/ml



#6 beta-BHC

R.T.: 6.680 min
Delta R.T.: 0.000 min
Response: 50768069
Conc: 48.70 ng/ml



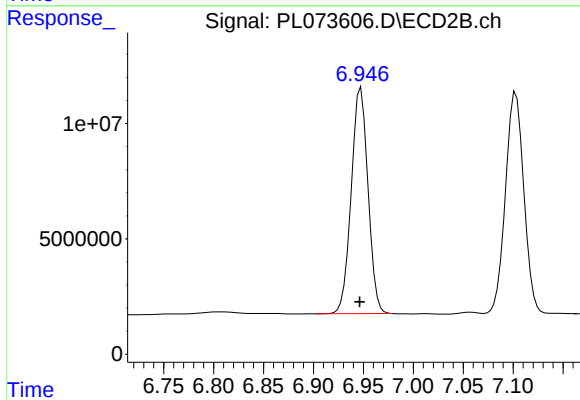
#7 delta-BHC

R.T.: 6.414 min
Delta R.T.: -0.002 min
Response: 21327964
Conc: 53.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

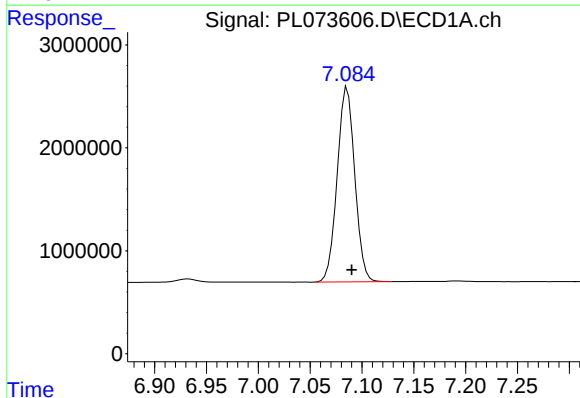
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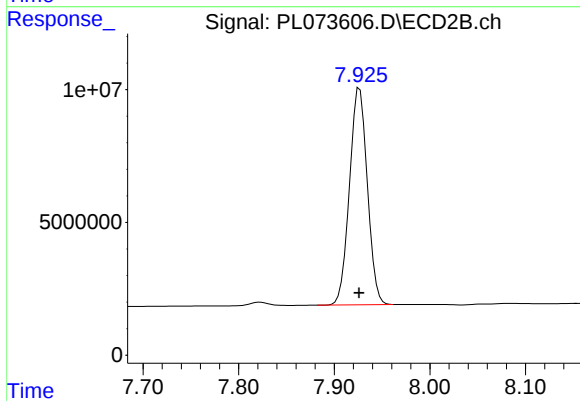
#7 delta-BHC

R.T.: 6.948 min
Delta R.T.: 0.001 min
Response: 114445728
Conc: 53.14 ng/ml



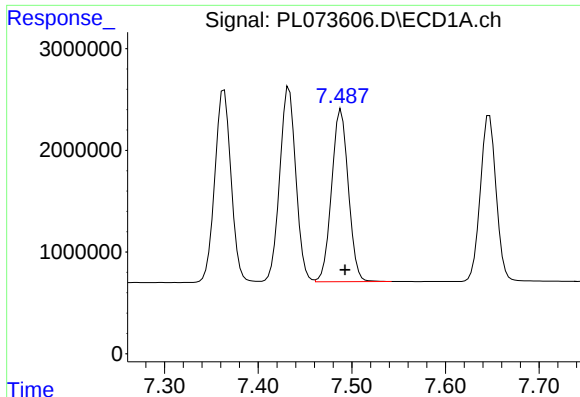
#8 Heptachlor epoxide

R.T.: 7.086 min
Delta R.T.: -0.004 min
Response: 22313358
Conc: 51.77 ng/ml



#8 Heptachlor epoxide

R.T.: 7.927 min
Delta R.T.: 0.000 min
Response: 106322866
Conc: 53.23 ng/ml



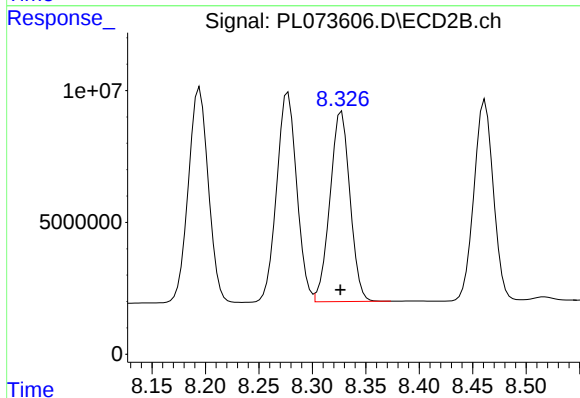
#9 Endosulfan I

R.T.: 7.489 min
Delta R.T.: -0.004 min
Response: 21077950
Conc: 51.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

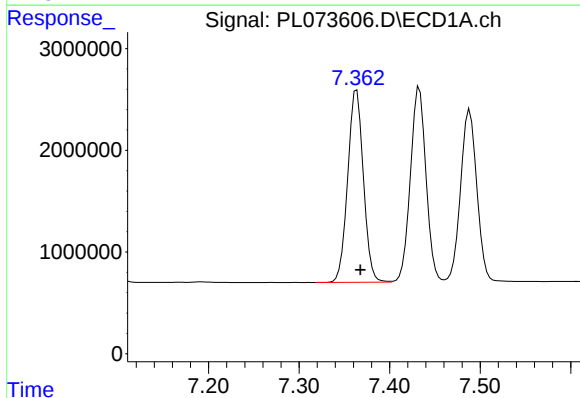
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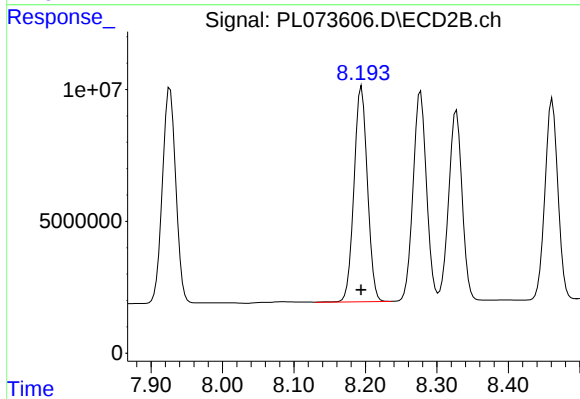
#9 Endosulfan I

R.T.: 8.327 min
Delta R.T.: 0.001 min
Response: 94154383
Conc: 51.58 ng/ml



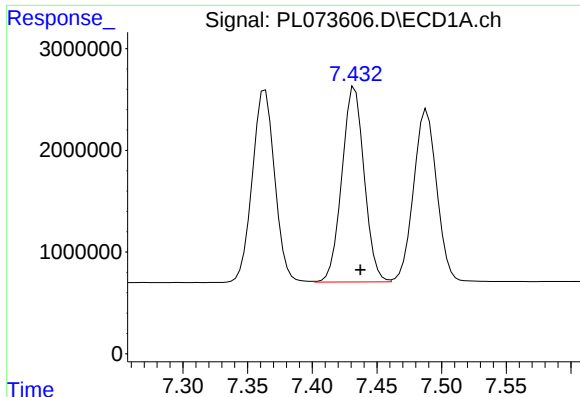
#10 gamma-Chlordane

R.T.: 7.364 min
Delta R.T.: -0.004 min
Response: 22798766
Conc: 52.14 ng/ml



#10 gamma-Chlordane

R.T.: 8.195 min
Delta R.T.: 0.000 min
Response: 106671844
Conc: 52.23 ng/ml



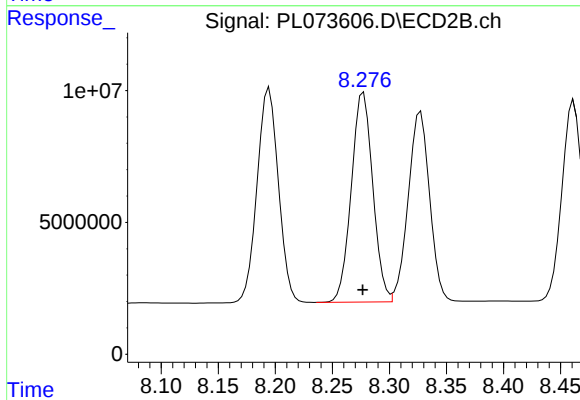
#11 alpha-Chlordane

R.T.: 7.433 min
Delta R.T.: -0.004 min
Response: 22993077
Conc: 52.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

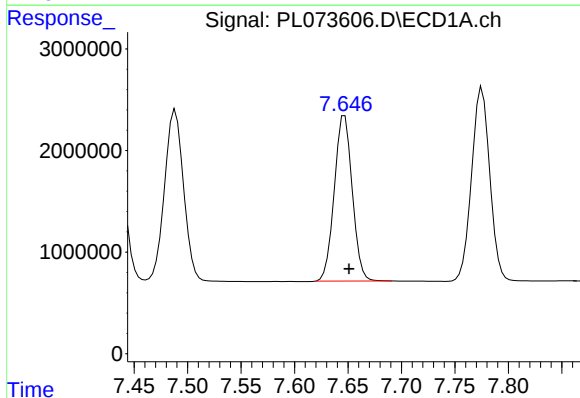
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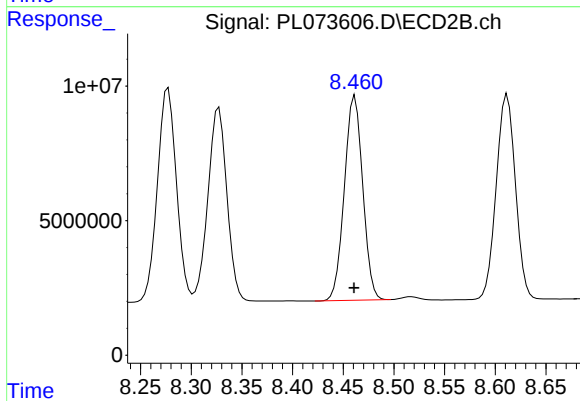
#11 alpha-Chlordane

R.T.: 8.277 min
Delta R.T.: 0.000 min
Response: 104221800
Conc: 52.11 ng/ml



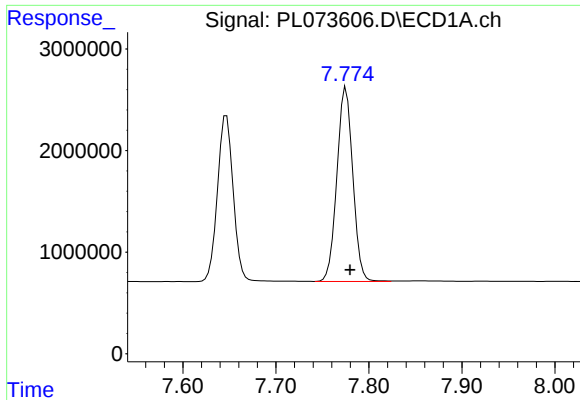
#12 4,4'-DDE

R.T.: 7.647 min
Delta R.T.: -0.004 min
Response: 19042577
Conc: 53.07 ng/ml



#12 4,4'-DDE

R.T.: 8.462 min
Delta R.T.: 0.000 min
Response: 95584852
Conc: 53.33 ng/ml



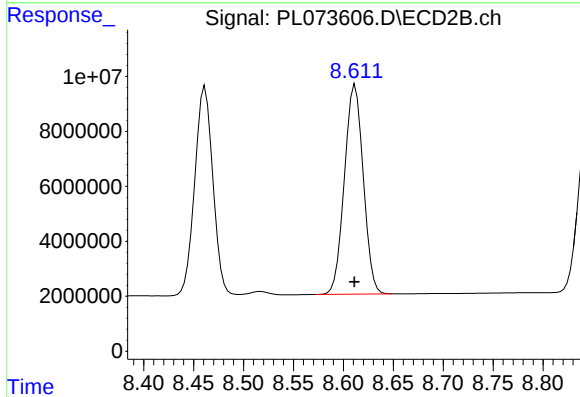
#13 Dieldrin

R.T.: 7.776 min
Delta R.T.: -0.004 min
Response: 22705433
Conc: 54.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

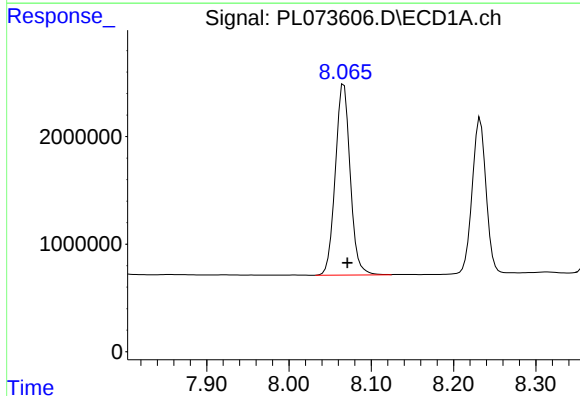
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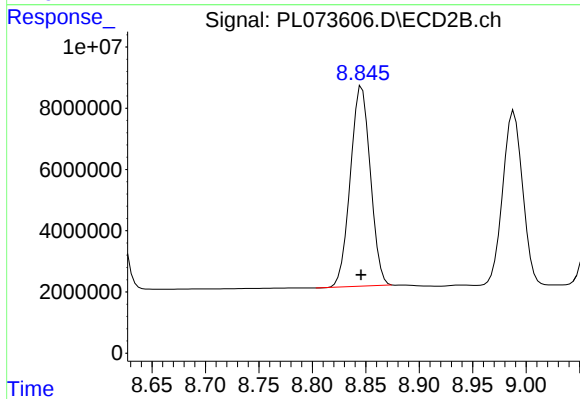
#13 Dieldrin

R.T.: 8.612 min
Delta R.T.: 0.000 min
Response: 100251764
Conc: 54.34 ng/ml



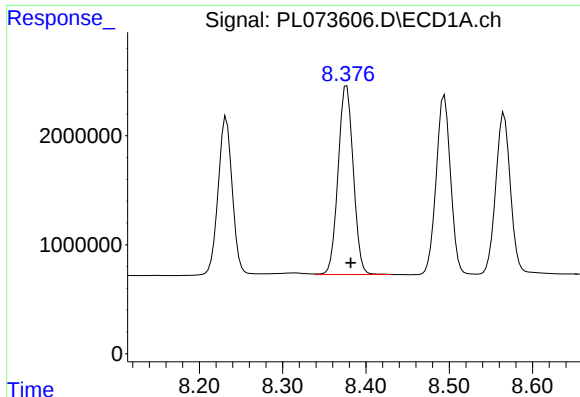
#14 Endrin

R.T.: 8.067 min
Delta R.T.: -0.004 min
Response: 22301917
Conc: 57.48 ng/ml



#14 Endrin

R.T.: 8.846 min
Delta R.T.: 0.000 min
Response: 85173998
Conc: 55.33 ng/ml



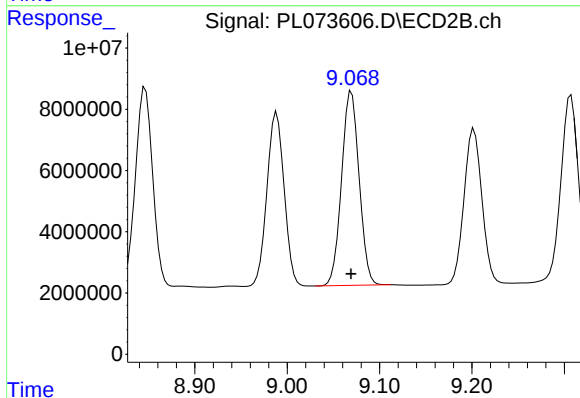
#15 Endosulfan II

R.T.: 8.377 min
Delta R.T.: -0.005 min
Response: 21943261
Conc: 56.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

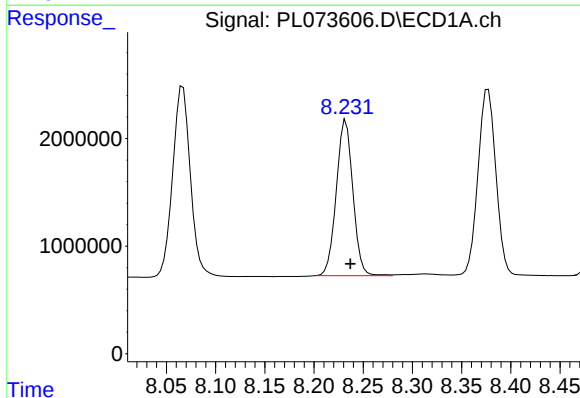
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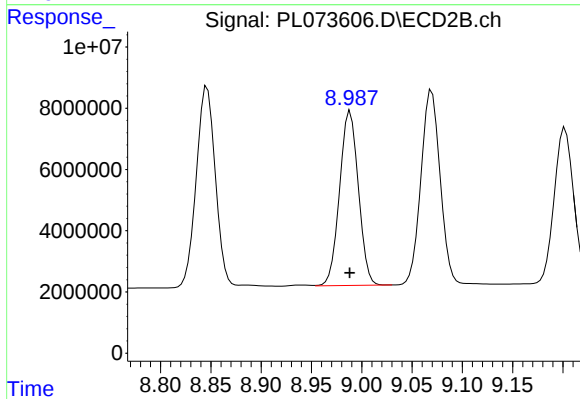
#15 Endosulfan II

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 83797574
Conc: 54.56 ng/ml



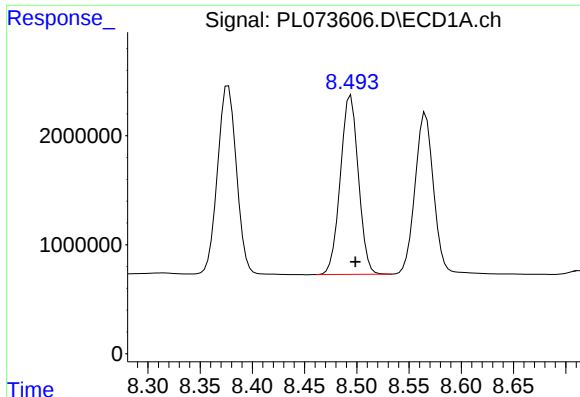
#16 4,4'-DDD

R.T.: 8.232 min
Delta R.T.: -0.005 min
Response: 16975256
Conc: 52.27 ng/ml



#16 4,4'-DDD

R.T.: 8.989 min
Delta R.T.: 0.000 min
Response: 73884773
Conc: 50.62 ng/ml



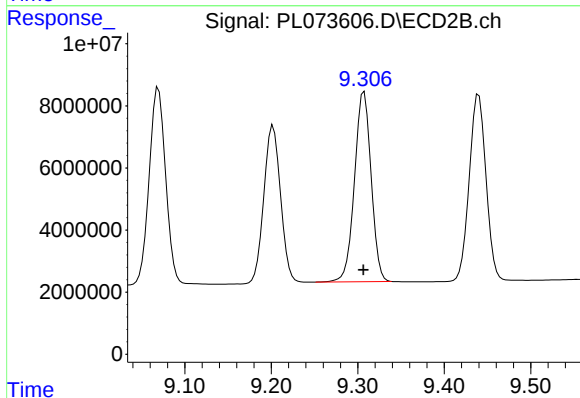
#17 4,4'-DDT

R.T.: 8.494 min
Delta R.T.: -0.004 min
Response: 19732916
Conc: 52.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

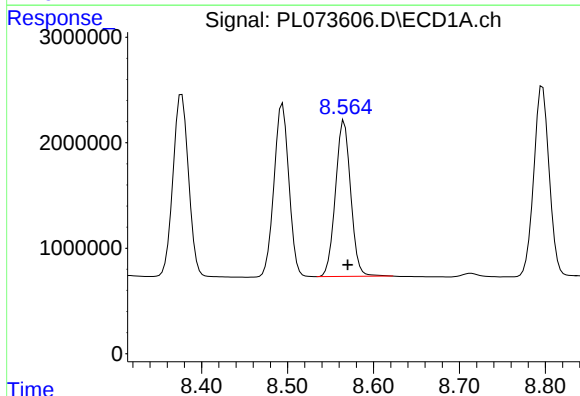
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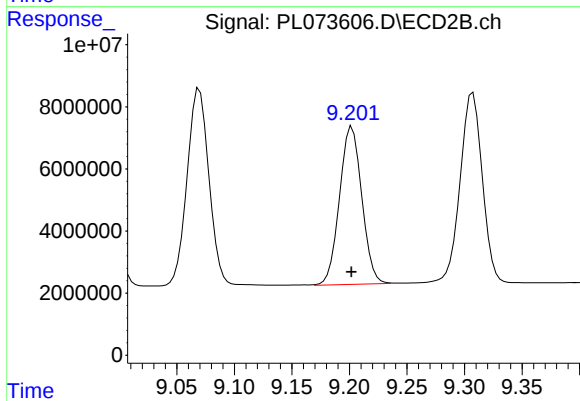
#17 4,4'-DDT

R.T.: 9.307 min
Delta R.T.: 0.000 min
Response: 81780123
Conc: 50.03 ng/ml



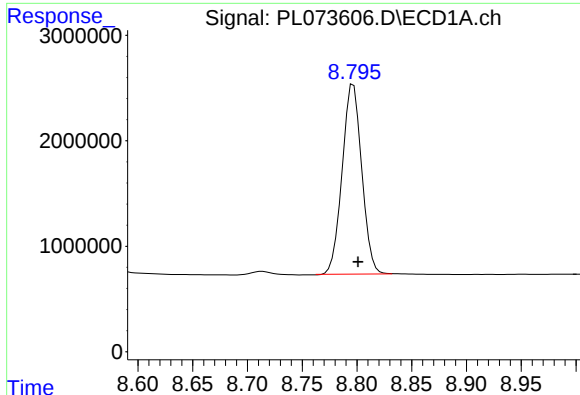
#18 Endrin aldehyde

R.T.: 8.566 min
Delta R.T.: -0.004 min
Response: 18160596
Conc: 57.43 ng/ml



#18 Endrin aldehyde

R.T.: 9.201 min
Delta R.T.: 0.000 min
Response: 68674715
Conc: 56.00 ng/ml m



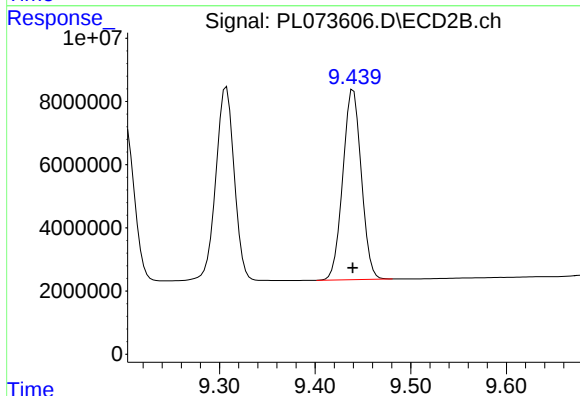
#19 Endosulfan Sulfate

R.T.: 8.795 min
Delta R.T.: -0.006 min
Response: 22383527
Conc: 52.99 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

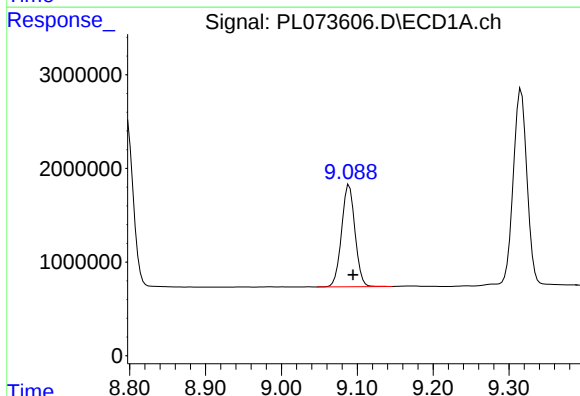
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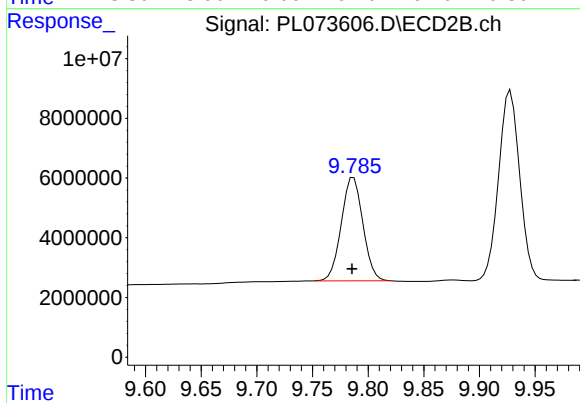
#19 Endosulfan Sulfate

R.T.: 9.440 min
Delta R.T.: 0.000 min
Response: 81125216
Conc: 51.47 ng/ml



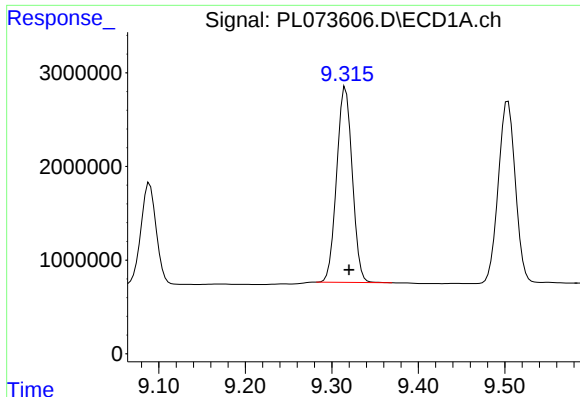
#20 Methoxychlor

R.T.: 9.089 min
Delta R.T.: -0.005 min
Response: 13385711
Conc: 52.18 ng/ml



#20 Methoxychlor

R.T.: 9.787 min
Delta R.T.: 0.001 min
Response: 46781651
Conc: 51.92 ng/ml



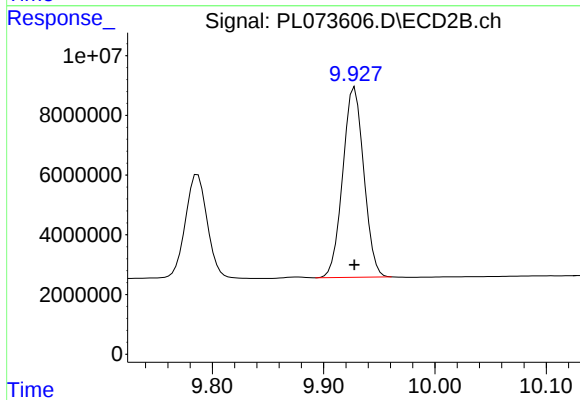
#21 Endrin ketone

R.T.: 9.316 min
Delta R.T.: -0.004 min
Response: 25968830
Conc: 53.08 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

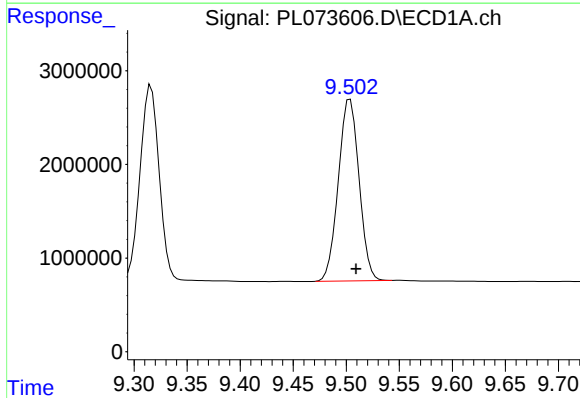
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/24/2022
Supervised By :mohammad ahmed 03/25/2022



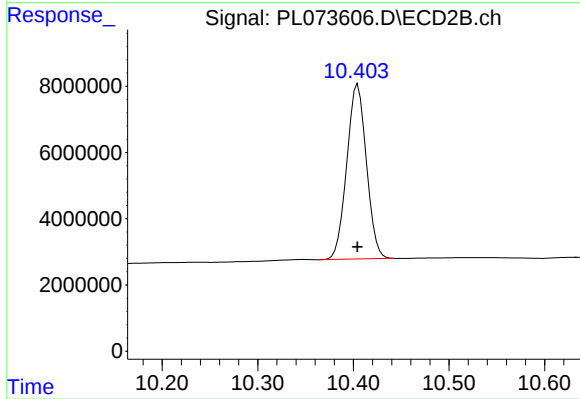
#21 Endrin ketone

R.T.: 9.928 min
Delta R.T.: 0.000 min
Response: 83672303
Conc: 50.69 ng/ml



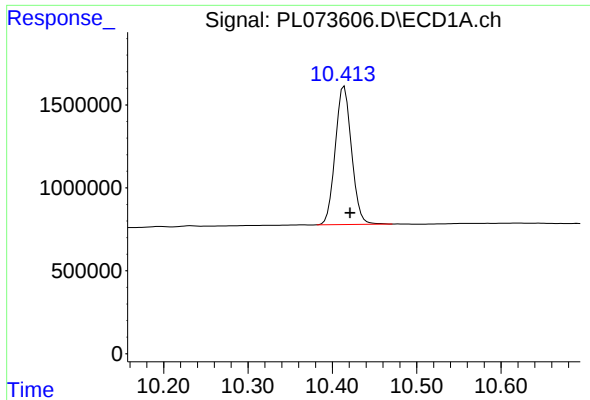
#22 Mirex

R.T.: 9.504 min
Delta R.T.: -0.006 min
Response: 26378629
Conc: 55.94 ng/ml



#22 Mirex

R.T.: 10.405 min
Delta R.T.: 0.000 min
Response: 75432960
Conc: 55.53 ng/ml



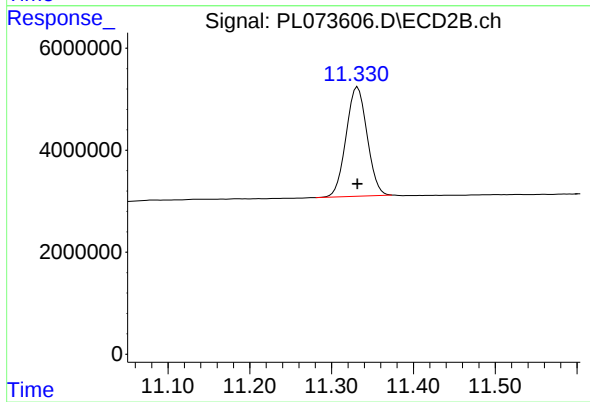
#28 Decachlorobiphenyl

R.T.: 10.414 min
Delta R.T.: -0.007 min
Response: 11163049
Conc: 21.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB143539BS

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#28 Decachlorobiphenyl

R.T.: 11.332 min
Delta R.T.: 0.000 min
Response: 38196602
Conc: 21.36 ng/ml