

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088365.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 09:55
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/02/2025
 Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:29:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 2025
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 1 µl
 Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
 Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.550	2.881	43448141	308.3E6	21.752	21.087
28) SA Decachlor...	9.073	8.074	68576859	346.2E6	20.730	18.735
Target Compounds						
2) A alpha-BHC	3.999	3.394	42616762	248.5E6	9.883	10.869
3) MA gamma-BHC...	4.330	3.730	43374936	232.2E6	10.358	10.783
6) B beta-BHC	4.515	4.026	18491809	103.9E6	11.391	11.232
12) B 4,4'-DDE	6.196	5.376	833560	2421265	0.253m	0.123m#
14) MA Endrin	6.575	5.790	159.1E6	854.8E6	53.330	46.959
16) A 4,4'-DDD	6.704	5.931	13052833	90993867	5.190	5.553
17) MA 4,4'-DDT	7.021	6.185	266.4E6	1428.1E6	95.918	83.922
18) B Endrin al...	6.917	6.257	1201765	9447969	0.521	0.710m#
20) A Methoxychlor	7.493	6.755	334.9E6	1537.1E6	223.313	168.522
21) B Endrin ke...	7.630	6.991	3810116	33724575	1.234	1.803 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088365.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 09:55
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

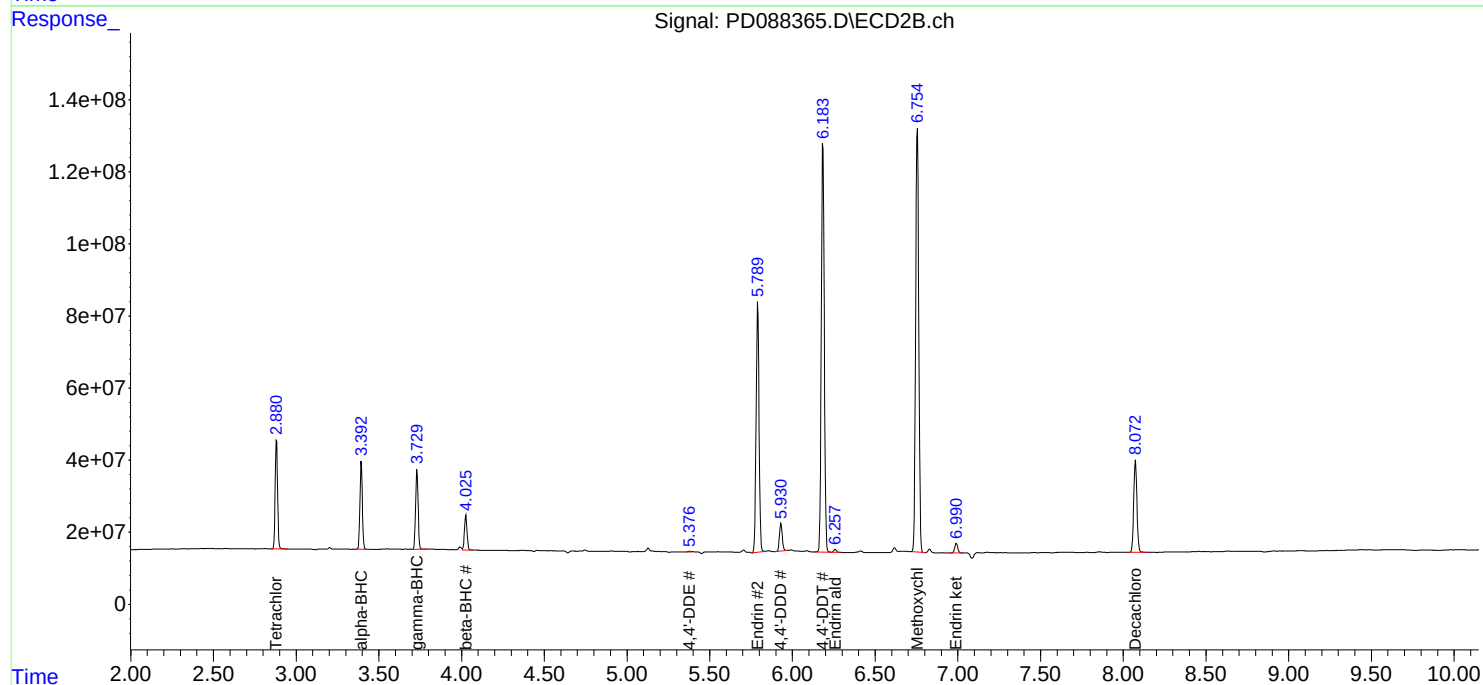
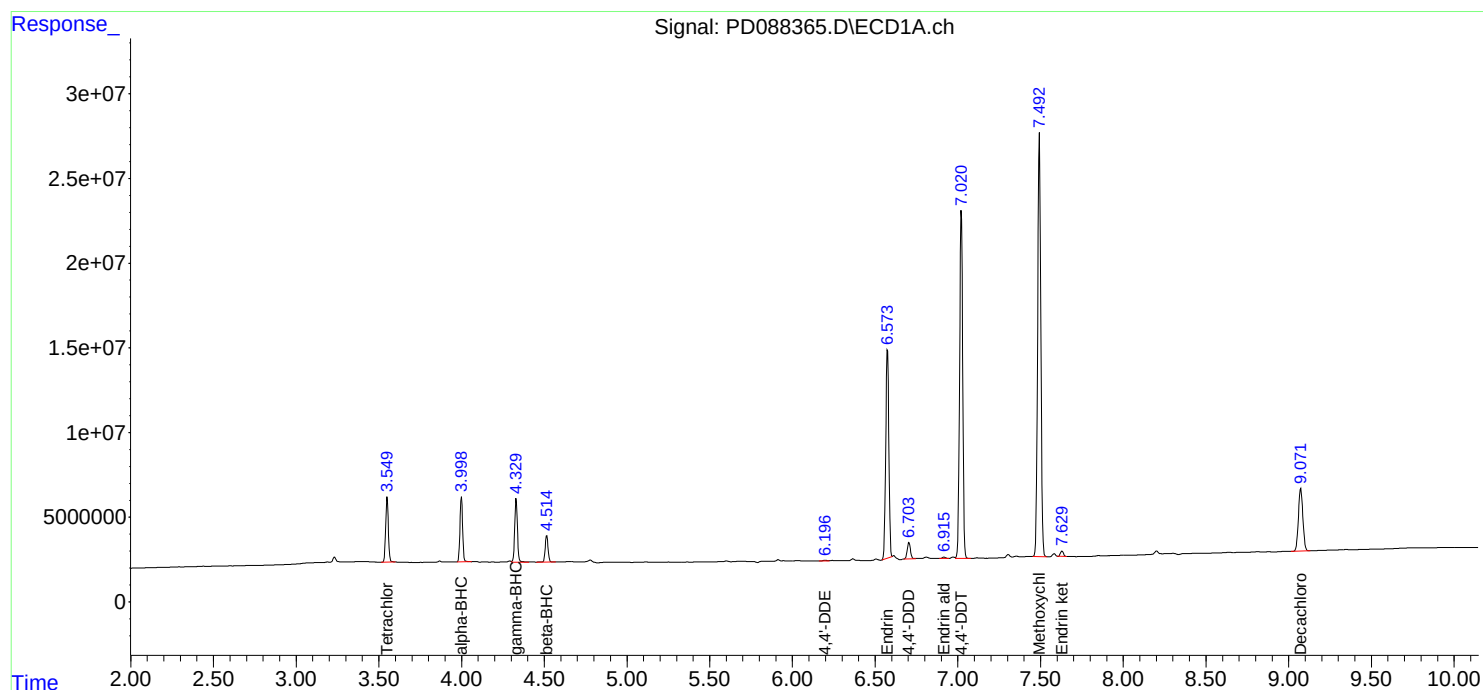
Instrument :
ECD_D
ClientSampleId :
PEM

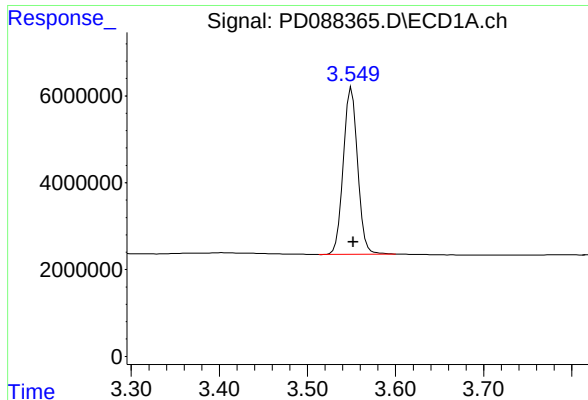
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 05/02/2025
Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:29:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 2025
Response via : Initial Calibration
Integrator: ChemStation

Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





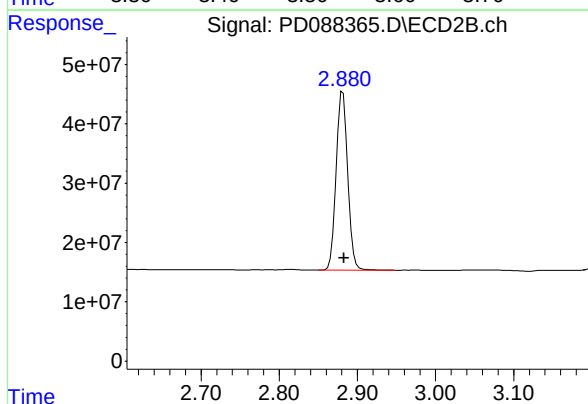
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 43448141
Conc: 21.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

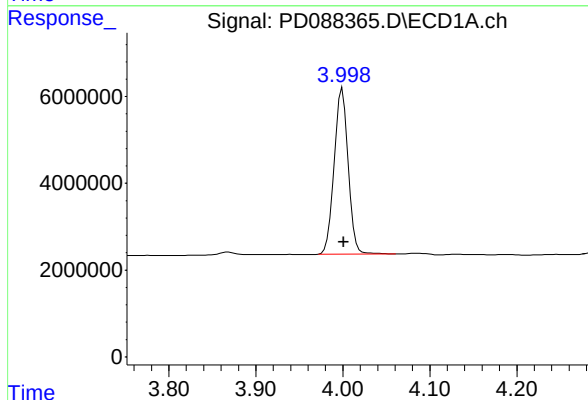
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



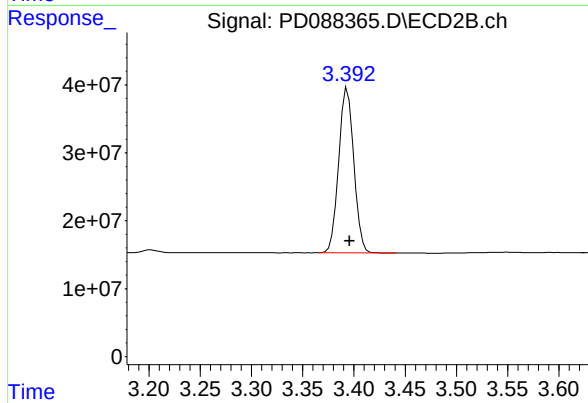
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: -0.002 min
Response: 308329191
Conc: 21.09 ng/ml



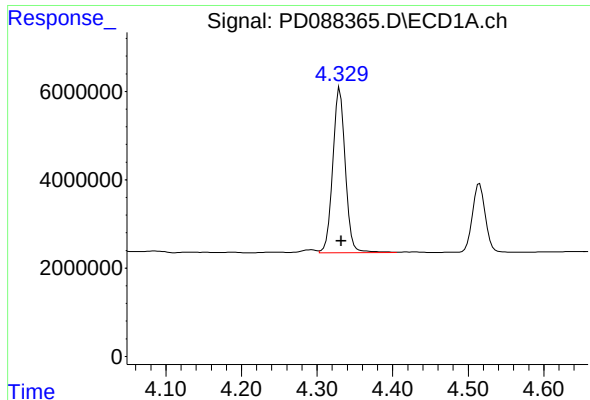
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.002 min
Response: 42616762
Conc: 9.88 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 248488685
Conc: 10.87 ng/ml



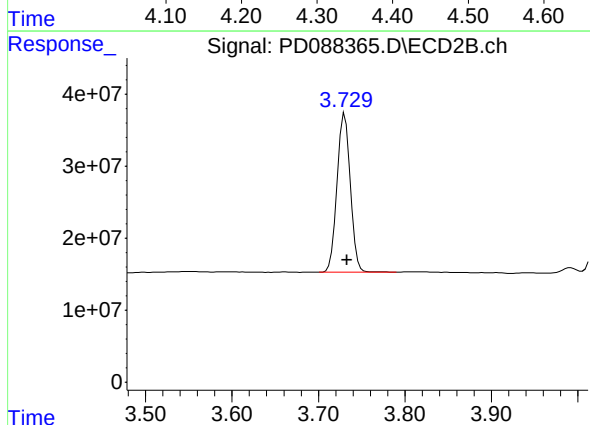
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.002 min
Response: 43374936
Conc: 10.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

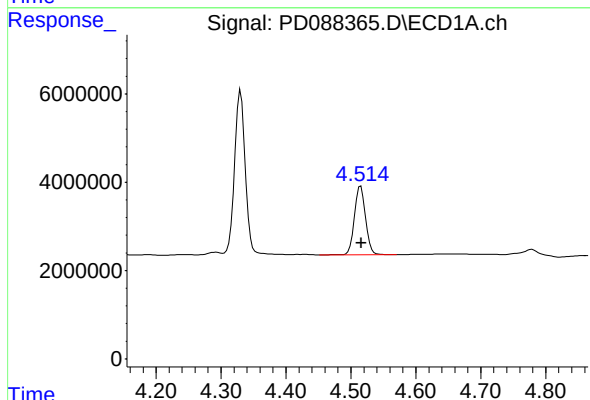
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



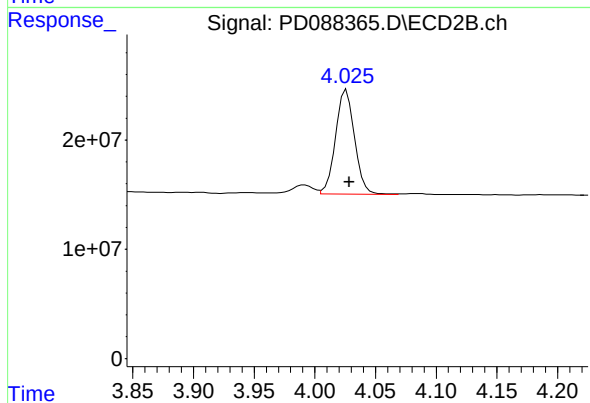
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.003 min
Response: 232248412
Conc: 10.78 ng/ml



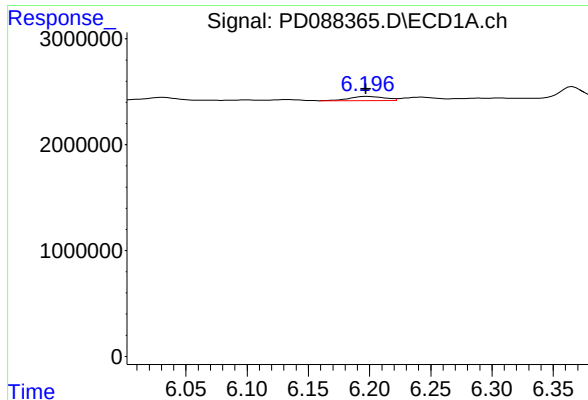
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: -0.001 min
Response: 18491809
Conc: 11.39 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.002 min
Response: 103939678
Conc: 11.23 ng/ml



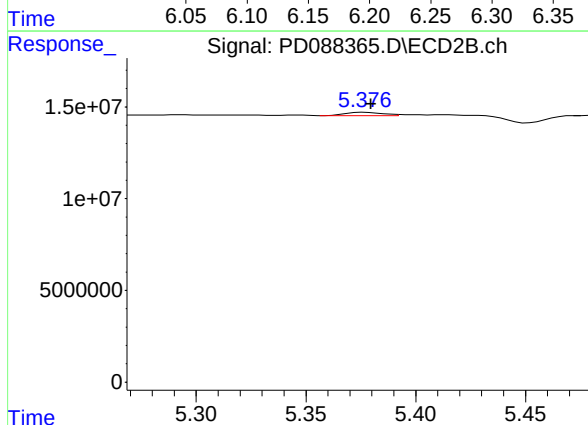
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: -0.001 min
Response: 833560
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

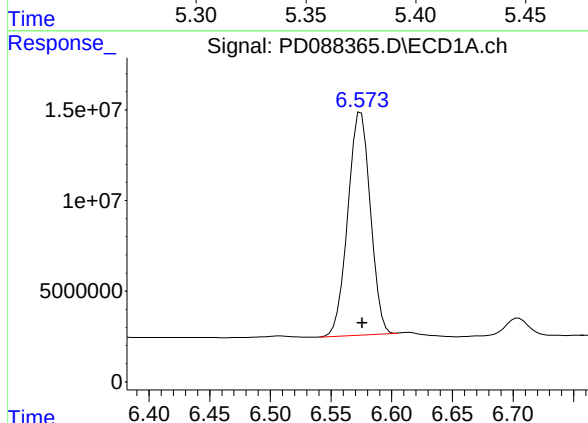
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



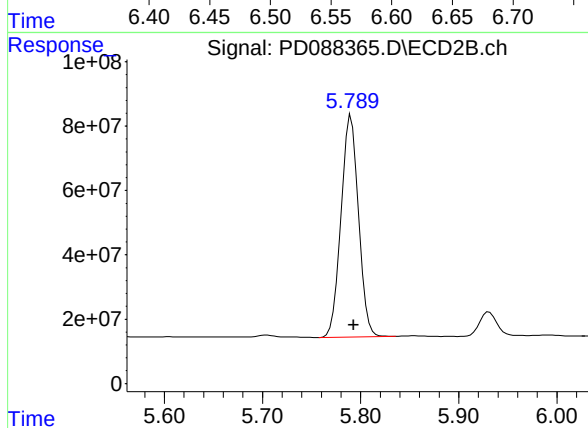
#12 4,4'-DDE

R.T.: 5.376 min
Delta R.T.: -0.004 min
Response: 2421265
Conc: 0.12 ng/ml



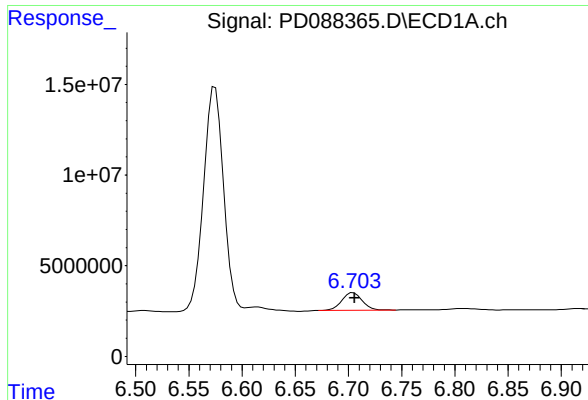
#14 Endrin

R.T.: 6.575 min
Delta R.T.: -0.001 min
Response: 159059782
Conc: 53.33 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 854765800
Conc: 46.96 ng/ml



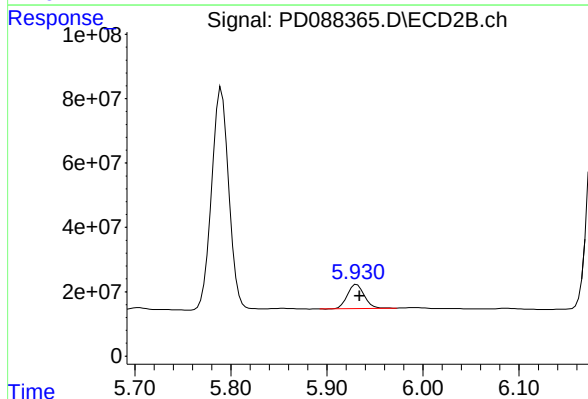
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 13052833
Conc: 5.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

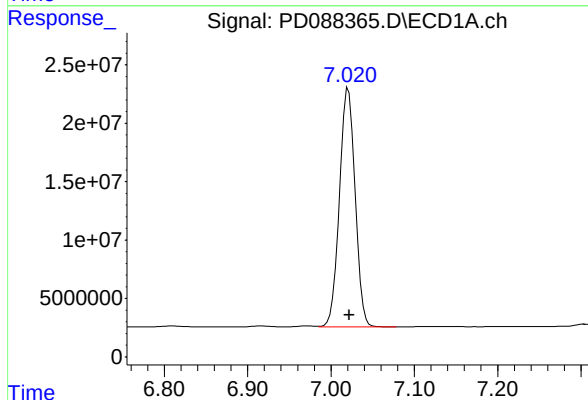
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



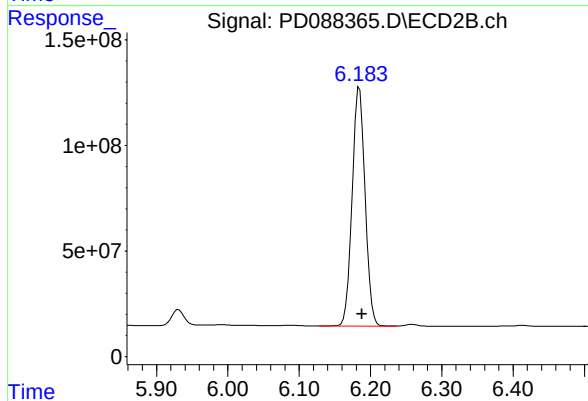
#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.003 min
Response: 90993867
Conc: 5.55 ng/ml



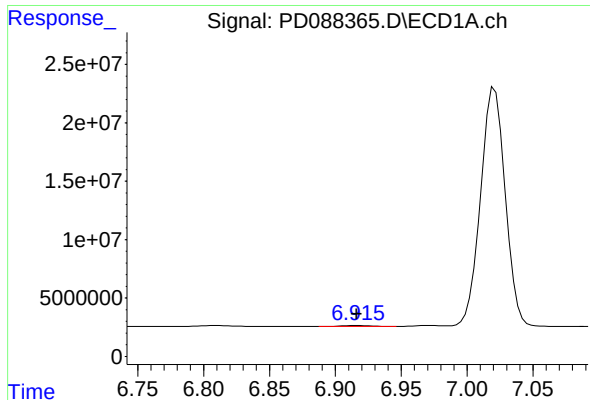
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.001 min
Response: 266416292
Conc: 95.92 ng/ml



#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.003 min
Response: 1428061771
Conc: 83.92 ng/ml



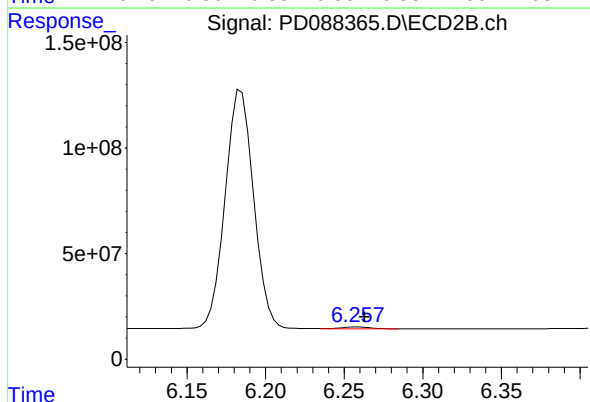
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.000 min
Response: 1201765
Conc: 0.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

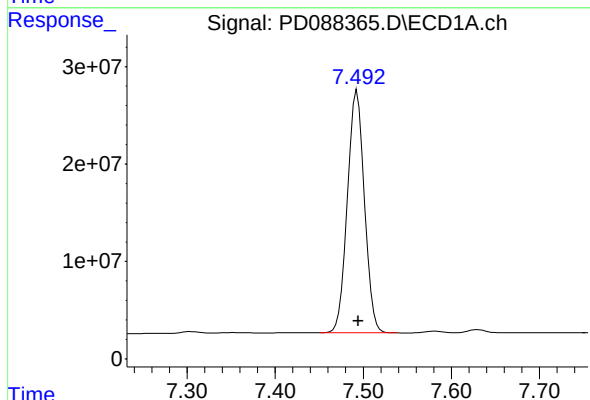
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



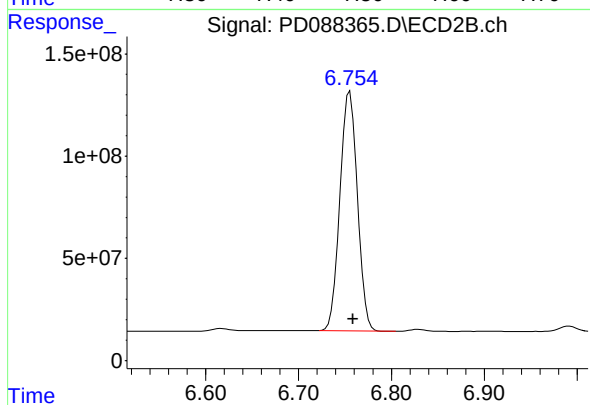
#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.006 min
Response: 9447969
Conc: 0.71 ng/ml



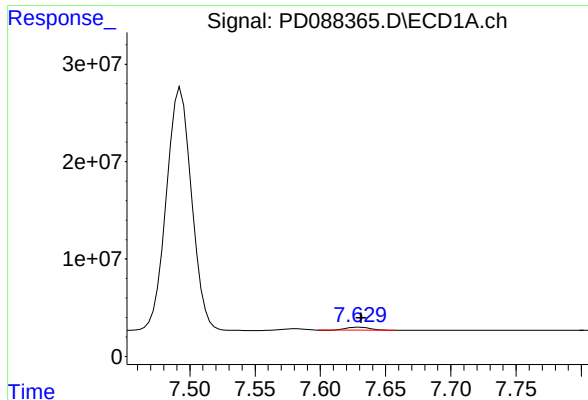
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: -0.002 min
Response: 334868537
Conc: 223.31 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 1537100271
Conc: 168.52 ng/ml



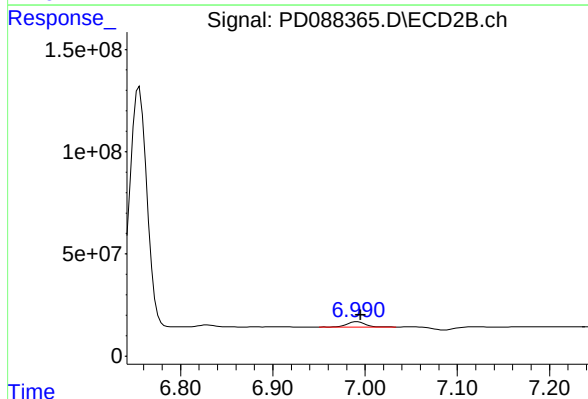
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: -0.001 min
Response: 3810116
Conc: 1.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

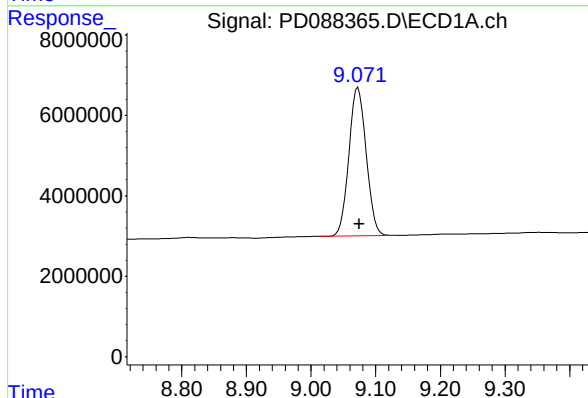
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



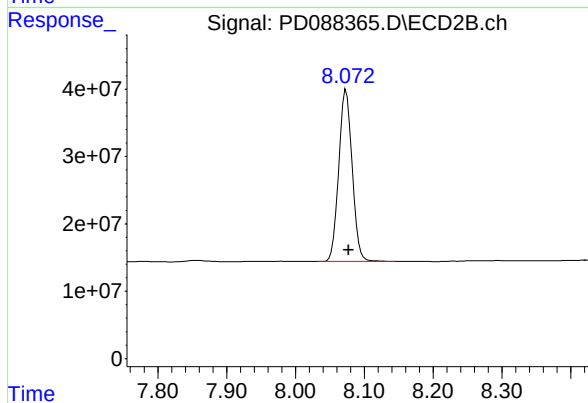
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.004 min
Response: 33724575
Conc: 1.80 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: -0.002 min
Response: 68576859
Conc: 20.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 346221697
Conc: 18.74 ng/ml