

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088417.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 11:07
 Operator : AR\AJ
 Sample : Q1929-03MS
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-A4-02-CMS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:40:50 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	2.882	37946619	226.3E6	18.998	15.475
28) SA Decachlor...	9.072	8.074	73881870	368.2E6	22.334	19.926
Target Compounds						
2) A alpha-BHC	3.999	3.394	232.4E6	1077.3E6	53.886	47.122
3) MA gamma-BHC...	4.330	3.730	230.4E6	964.2E6	55.031	44.765
4) MA Heptachlor	4.930	4.084	220.7E6	1023.9E6	54.635	47.851
5) MB Aldrin	5.270	4.369	220.2E6	993.7E6	55.747m	47.767m
6) B beta-BHC	4.516	4.025	72608732	439.2E6	44.727	47.460m
7) B delta-BHC	4.763	4.263	221.0E6	961.0E6	53.580	45.201
8) B Heptachlo...	5.691	4.874	201.6E6	922.4E6	56.421	48.820
9) A Endosulfan I	6.074	5.249	145.8E6	647.4E6	43.173	35.941
10) B gamma-Chl...	5.945	5.127	206.1E6	993.3E6	56.912	48.939
11) B alpha-Chl...	6.027	5.192	204.8E6	954.0E6	56.735	48.667
12) B 4,4'-DDE	6.195	5.377	179.7E6	946.2E6	54.489	48.047
13) MA Dieldrin	6.347	5.515	208.7E6	994.4E6	58.471	49.887
14) MA Endrin	6.574	5.790	169.1E6	871.9E6	56.696	47.899
15) B Endosulfa...	6.785	6.081	99674887	519.5E6	31.884	29.651
16) A 4,4'-DDD	6.704	5.929	150.0E6	980.6E6	59.636	59.845m
17) MA 4,4'-DDT	7.020	6.186	140.4E6	774.8E6	50.561	45.532
18) B Endrin al...	6.914	6.260	132.1E6	651.9E6	57.221	49.011
19) B Endosulfa...	7.149	6.483	164.6E6	832.4E6	57.226	48.585
20) A Methoxychlor	7.492	6.755	76430219	401.2E6	50.969	43.988
21) B Endrin ke...	7.629	6.993	176.9E6	916.7E6	57.304	49.013
22) Mirex	8.113	7.186	127.7E6	697.1E6	54.373	47.035

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088417.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 11:07
Operator : AR\AJ
Sample : Q1929-03MS
Misc :
ALS Vial : 11 Sample Multiplier: 1

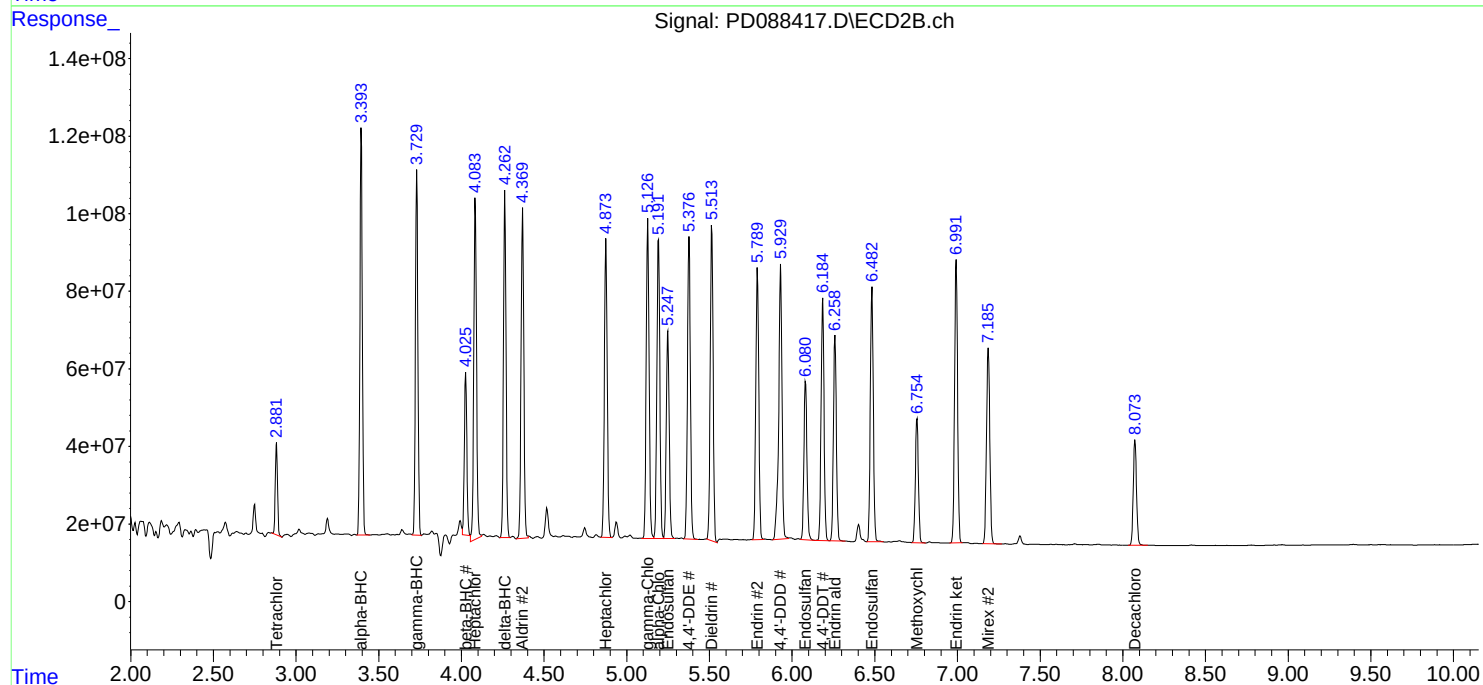
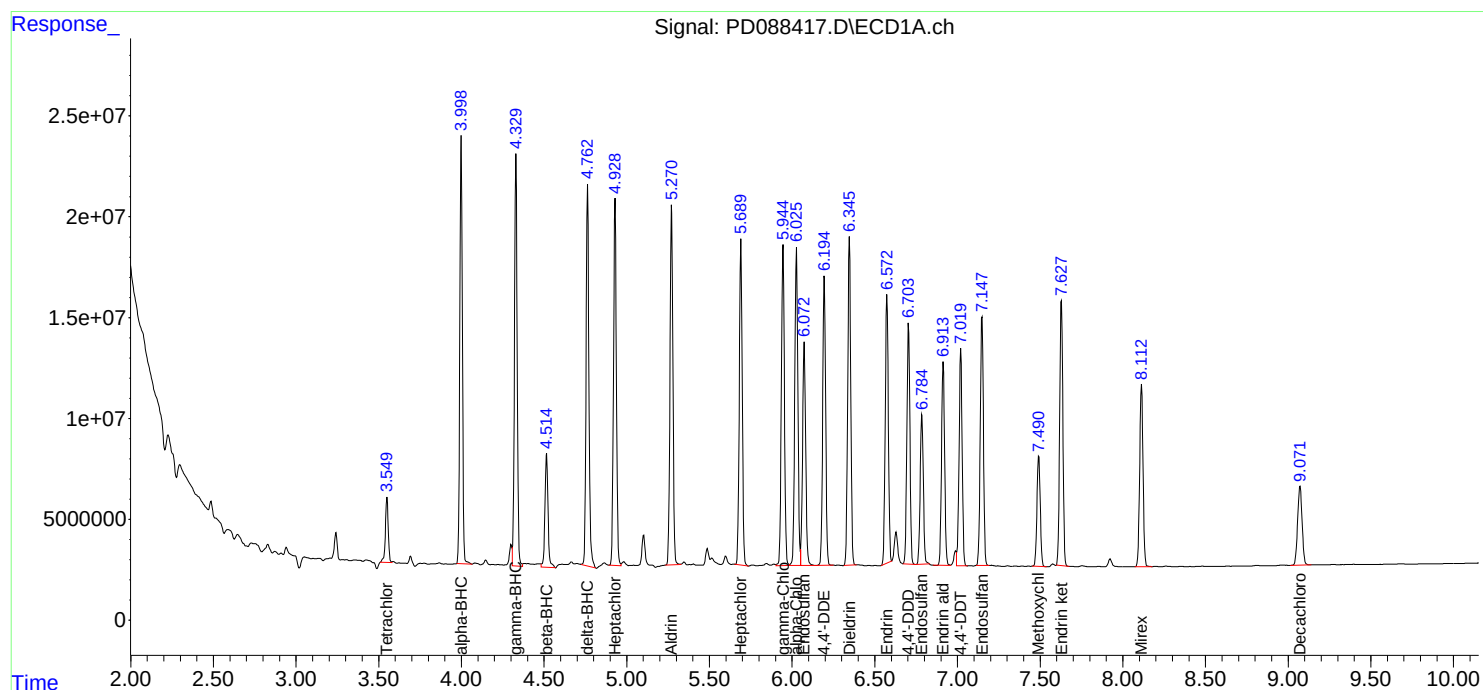
Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

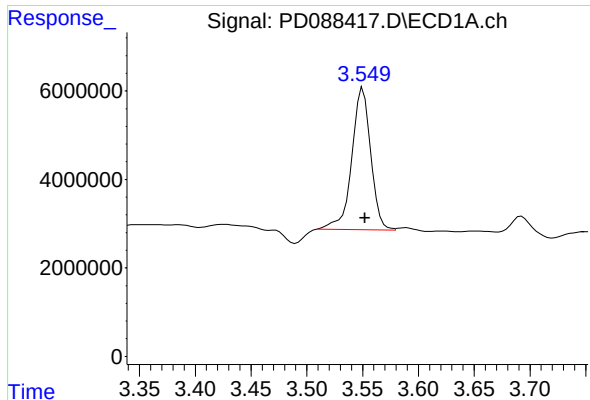
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:40:50 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





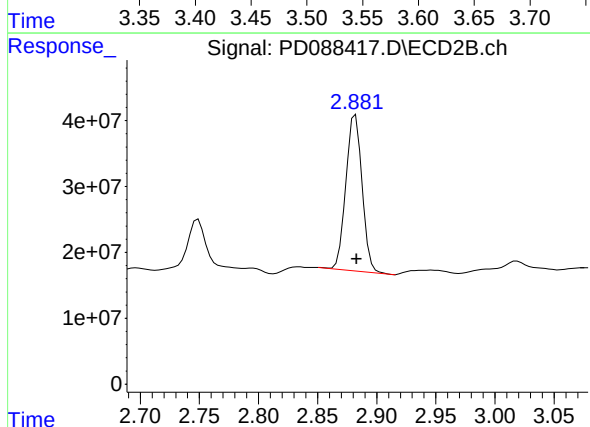
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 37946619
Conc: 19.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

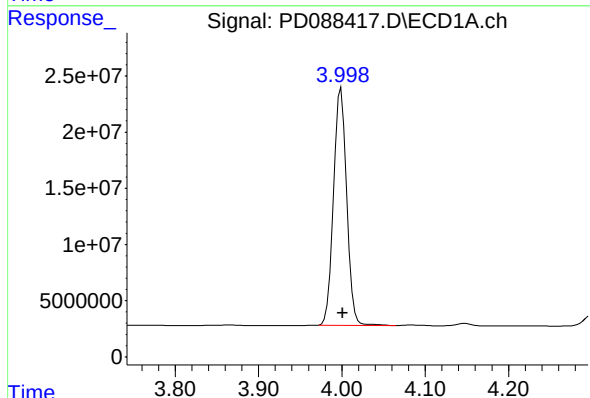
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



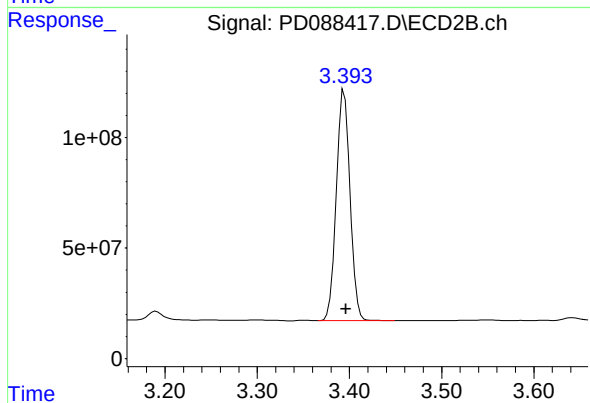
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 226273114
Conc: 15.48 ng/ml



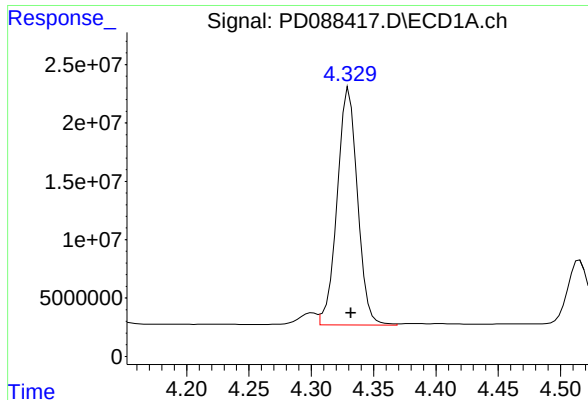
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: -0.002 min
Response: 232355660
Conc: 53.89 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 1077282328
Conc: 47.12 ng/ml



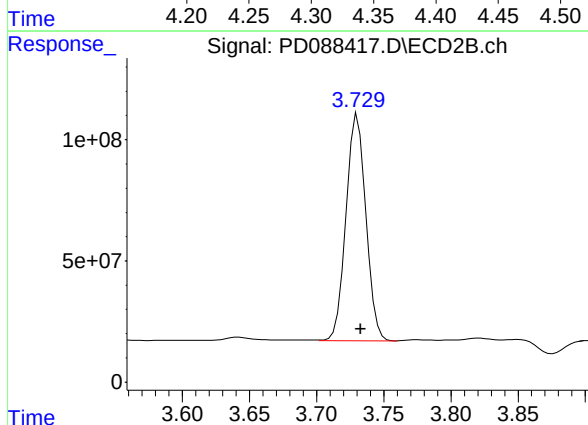
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.001 min
Response: 230440986
Conc: 55.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

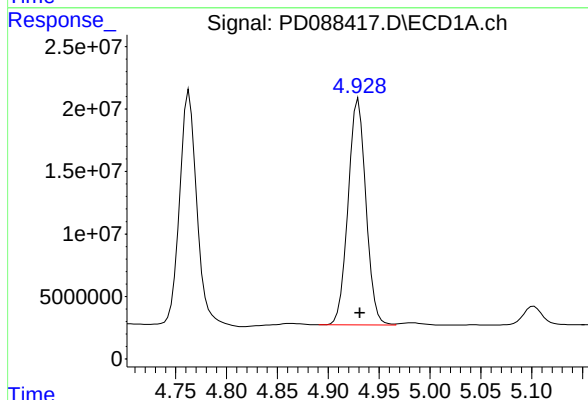
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



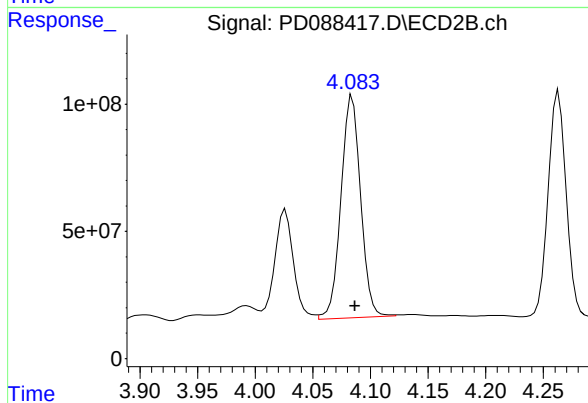
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: -0.003 min
Response: 964170942
Conc: 44.76 ng/ml



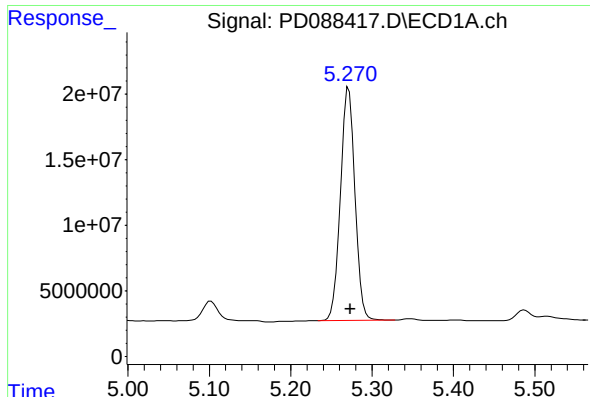
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: -0.002 min
Response: 220668363
Conc: 54.64 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: -0.002 min
Response: 1023927234
Conc: 47.85 ng/ml



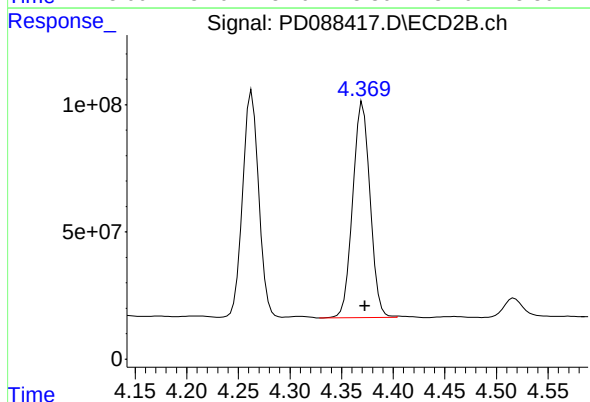
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 220175581
Conc: 55.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

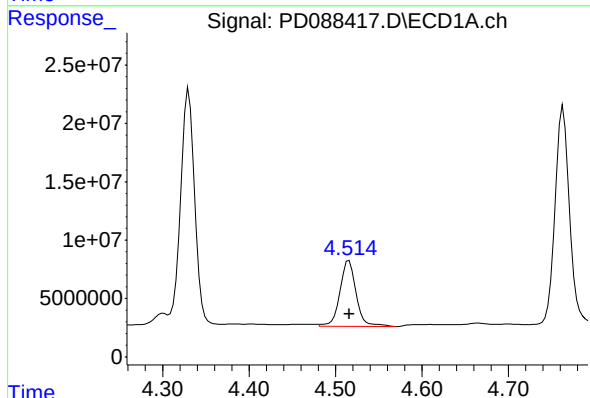
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



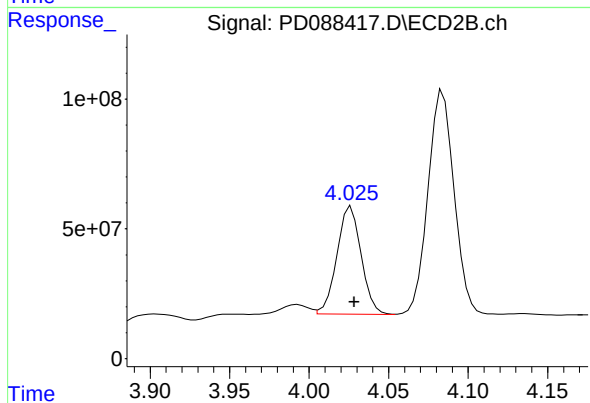
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.004 min
Response: 993685383
Conc: 47.77 ng/ml



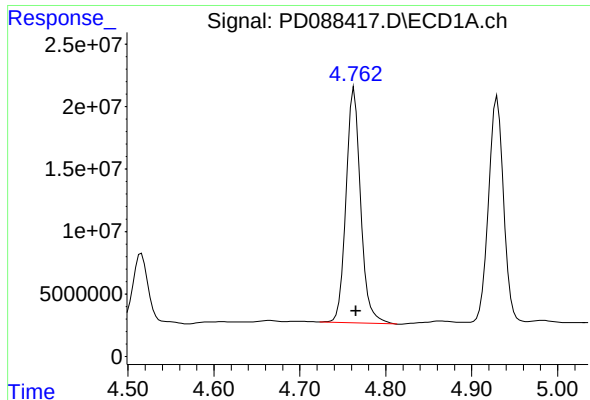
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 72608732
Conc: 44.73 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.003 min
Response: 439205154
Conc: 47.46 ng/ml



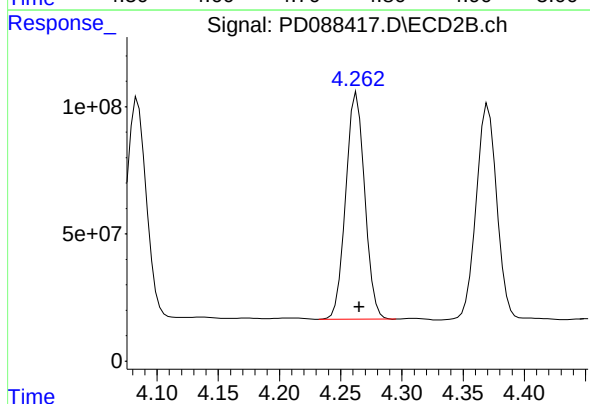
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 221015518
Conc: 53.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

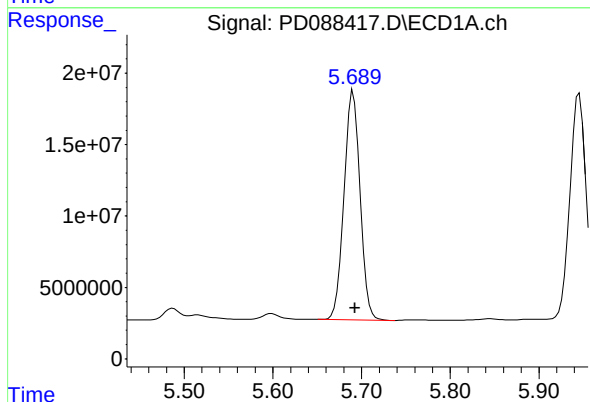
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



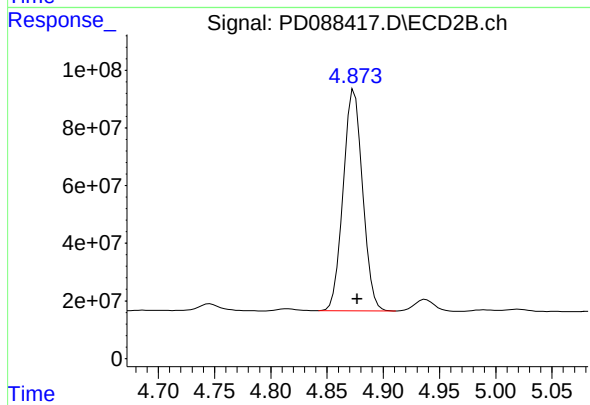
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 961046927
Conc: 45.20 ng/ml



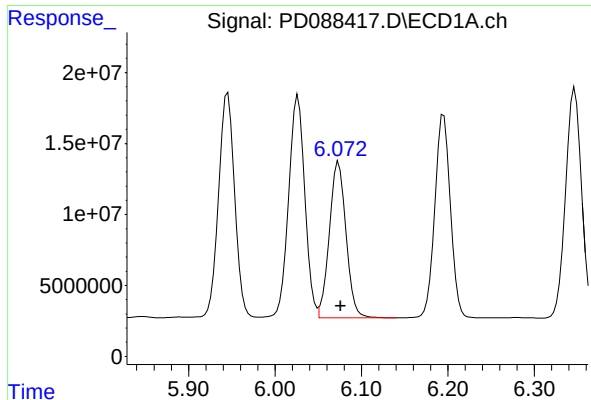
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: -0.002 min
Response: 201645904
Conc: 56.42 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.002 min
Response: 922421738
Conc: 48.82 ng/ml



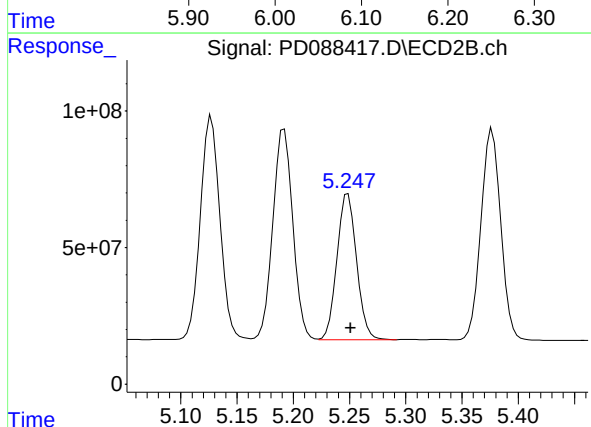
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 145802529
Conc: 43.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

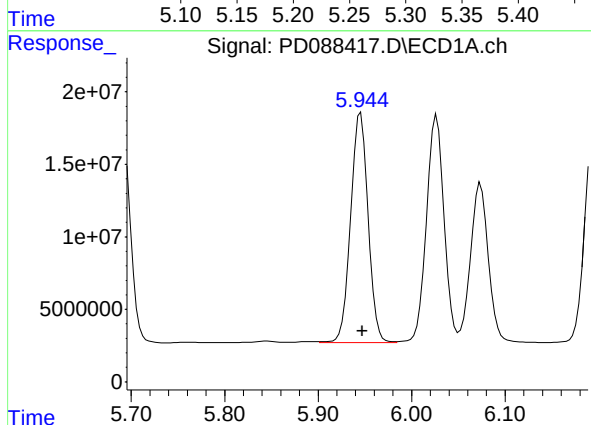
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



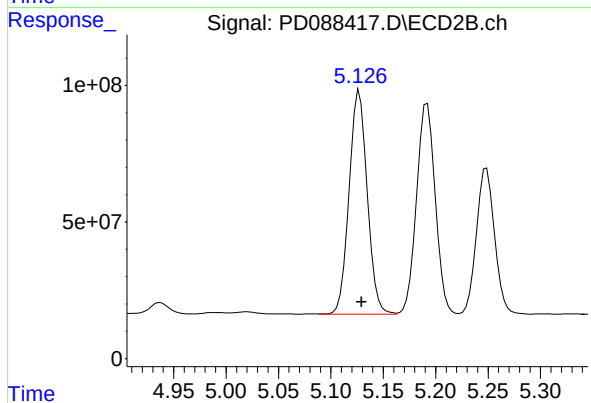
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.002 min
Response: 647383204
Conc: 35.94 ng/ml



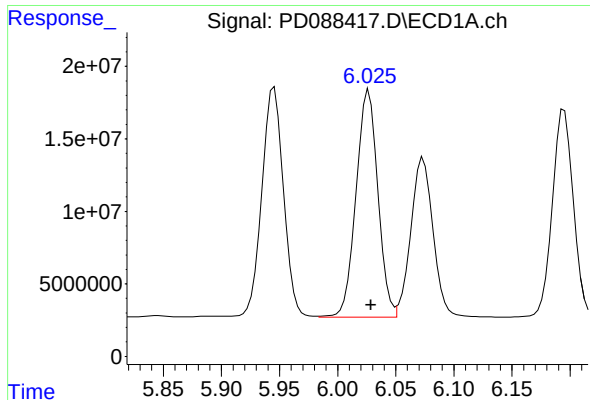
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: -0.002 min
Response: 206138909
Conc: 56.91 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 993266567
Conc: 48.94 ng/ml



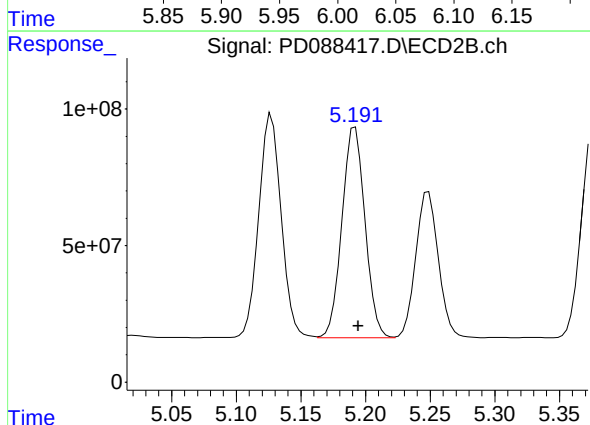
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 204788751
Conc: 56.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

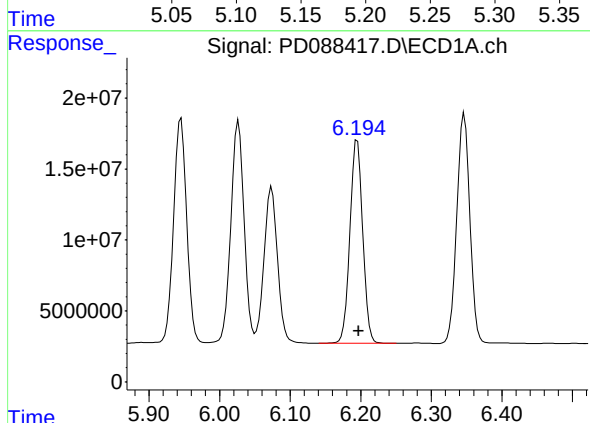
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



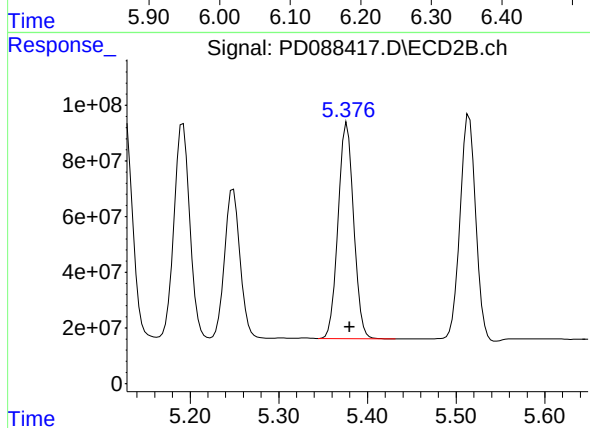
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 954011521
Conc: 48.67 ng/ml



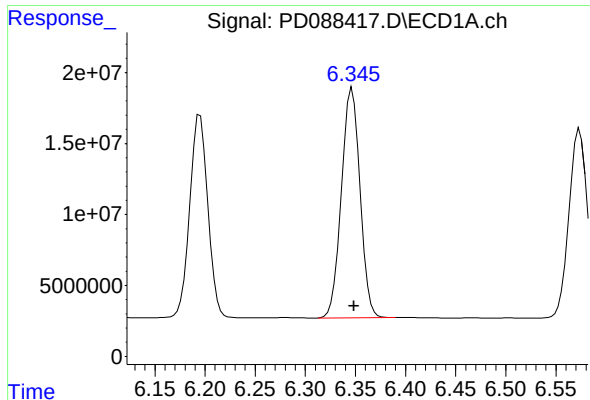
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.002 min
Response: 179719452
Conc: 54.49 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 946237535
Conc: 48.05 ng/ml



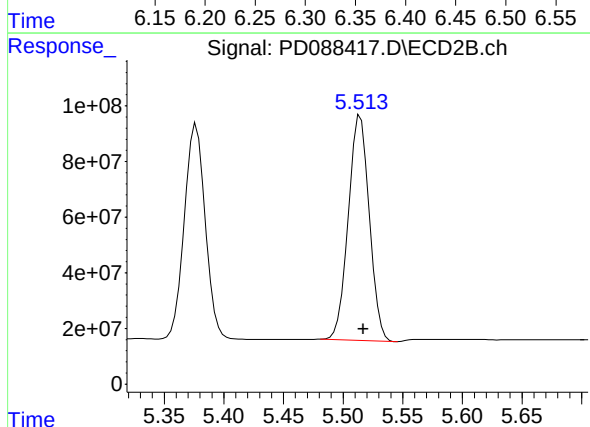
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: -0.002 min
Response: 208654111
Conc: 58.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

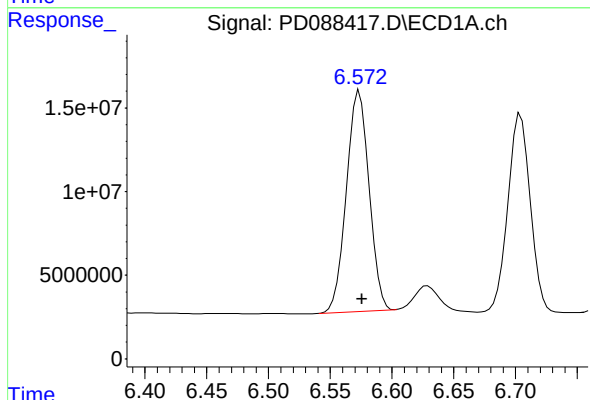
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



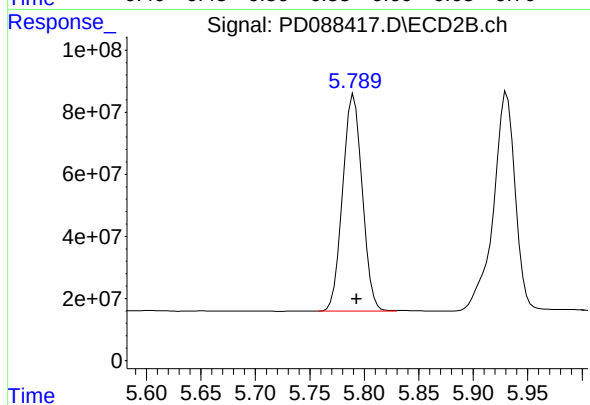
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.002 min
Response: 994381463
Conc: 49.89 ng/ml



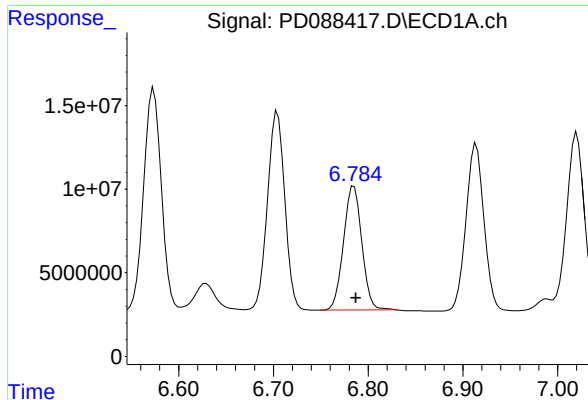
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 169099108
Conc: 56.70 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 871870661
Conc: 47.90 ng/ml



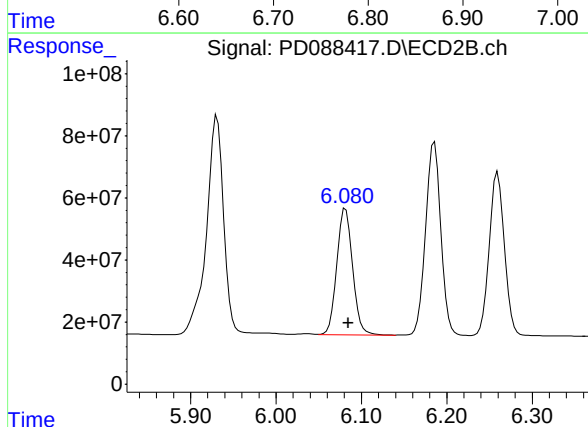
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 99674887
Conc: 31.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

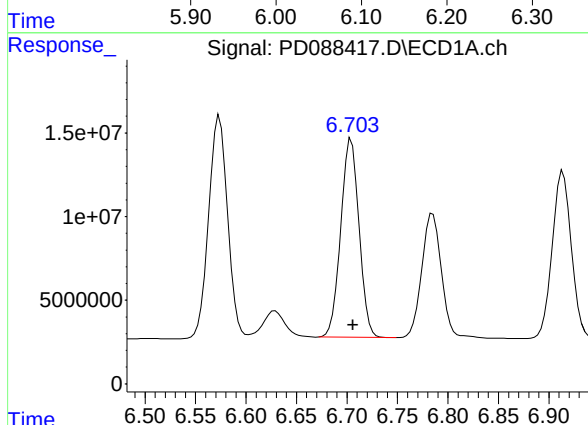
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



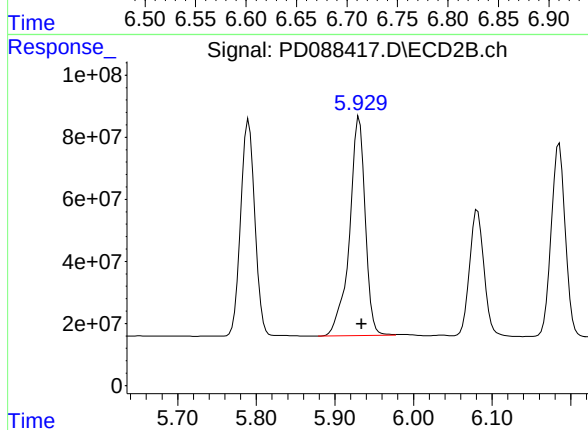
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: -0.003 min
Response: 519535790
Conc: 29.65 ng/ml



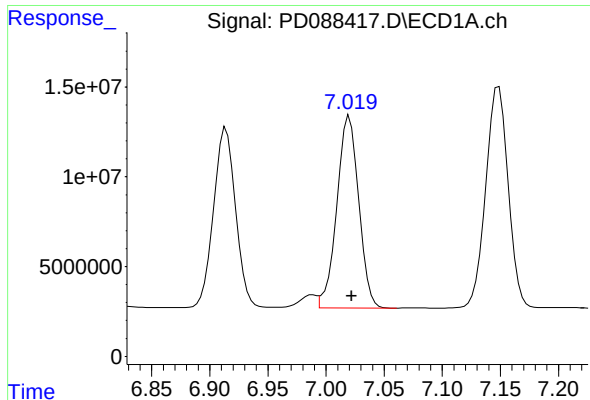
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.002 min
Response: 149981639
Conc: 59.64 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.005 min
Response: 980637029
Conc: 59.85 ng/ml m



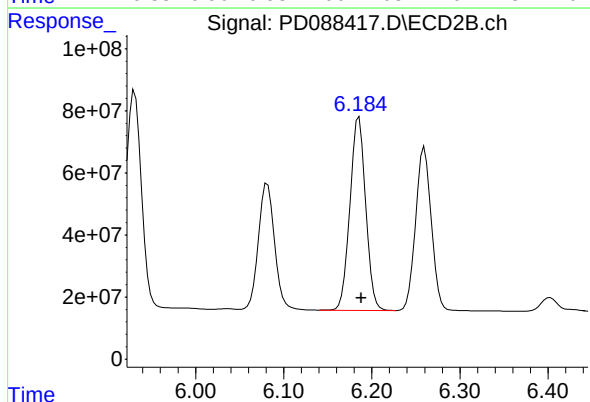
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 140434382
Conc: 50.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

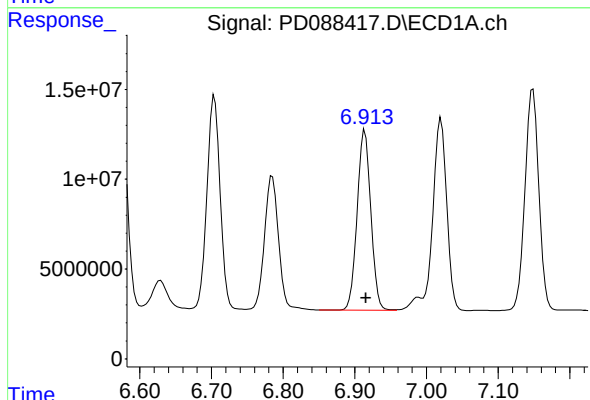
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



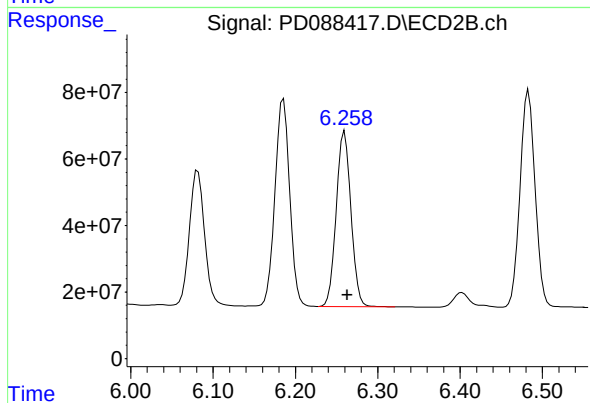
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 774792689
Conc: 45.53 ng/ml



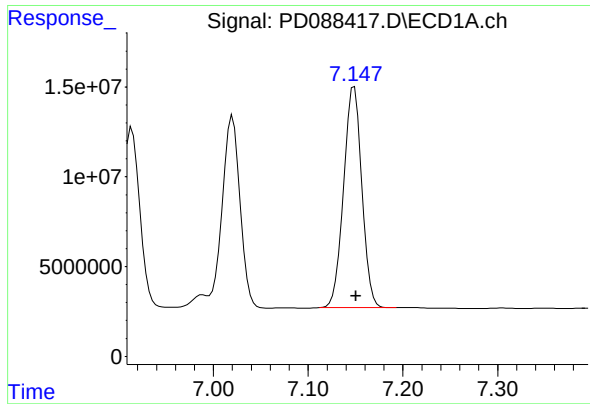
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.002 min
Response: 132065712
Conc: 57.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 651887796
Conc: 49.01 ng/ml



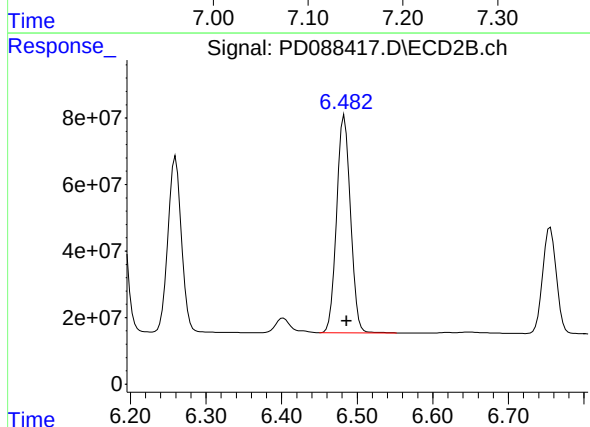
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: -0.002 min
Response: 164572636
Conc: 57.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

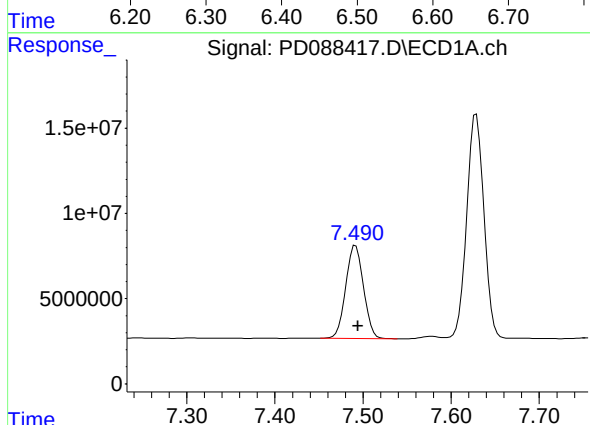
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



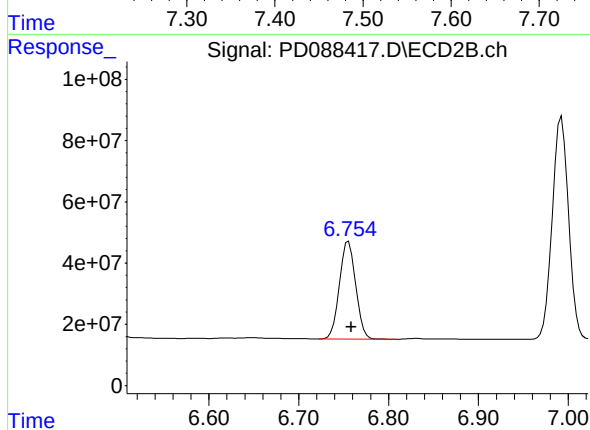
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 832417128
Conc: 48.58 ng/ml



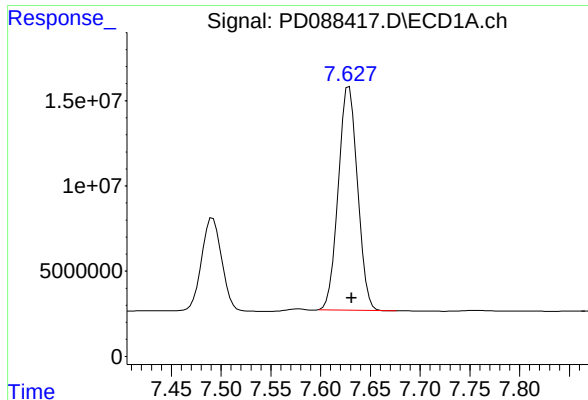
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.003 min
Response: 76430219
Conc: 50.97 ng/ml



#20 Methoxychlor

R.T.: 6.755 min
Delta R.T.: -0.003 min
Response: 401219131
Conc: 43.99 ng/ml



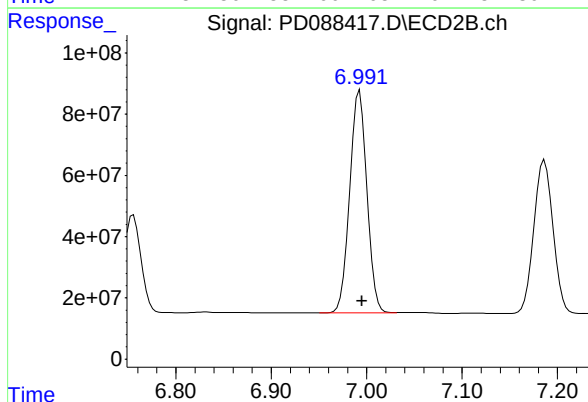
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.003 min
Response: 176874696
Conc: 57.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

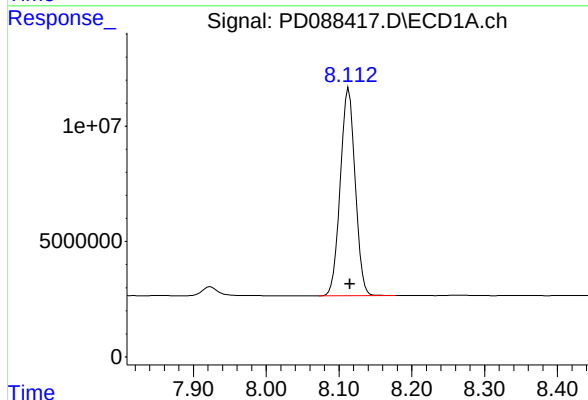
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



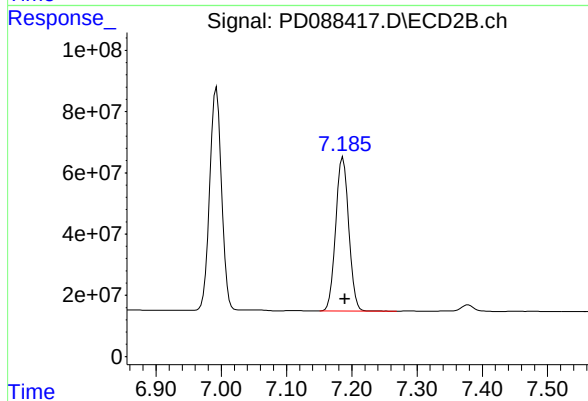
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.003 min
Response: 916737305
Conc: 49.01 ng/ml



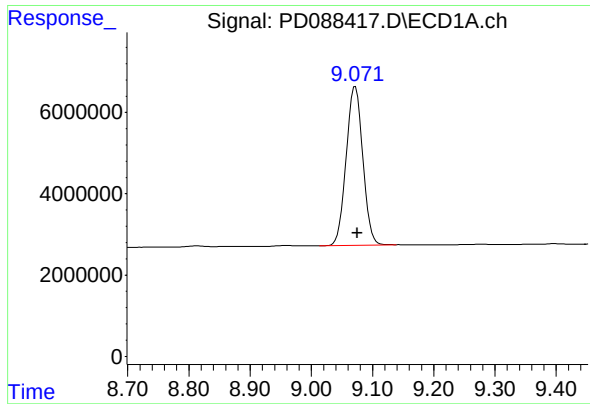
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 127684576
Conc: 54.37 ng/ml



#22 Mirex

R.T.: 7.186 min
Delta R.T.: -0.003 min
Response: 697105869
Conc: 47.04 ng/ml



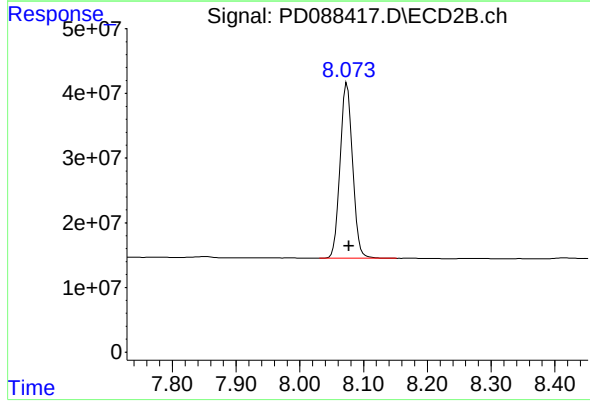
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 73881870
Conc: 22.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 368223488
Conc: 19.93 ng/ml