

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
 Data File : PD089109.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jun 2025 15:13
 Operator : AR\AJ
 Sample : PB168594BSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168594BSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/25/2025
 Supervised By : mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 25 01:54:05 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.552	2.881	58315012	368.3E6	20.439	21.725
28) SA Decachlor...	9.074	8.071	90695154	442.2E6	23.092	22.368
Target Compounds						
2) A alpha-BHC	4.001	3.393	273.8E6	1246.6E6	46.974	46.520
3) MA gamma-BHC...	4.332	3.729	262.5E6	1150.5E6	47.034	46.473
4) MA Heptachlor	4.931	4.082	253.5E6	1129.2E6	46.503	45.099
5) MB Aldrin	5.272	4.368	253.3E6	1129.2E6	47.669	46.628
6) B beta-BHC	4.517	4.025	100.7E6	490.7E6	45.645	45.658
7) B delta-BHC	4.766	4.262	255.2E6	1160.4E6	49.724	46.651
8) B Heptachlo...	5.692	4.873	226.2E6	1013.9E6	46.891	46.302
9) A Endosulfan I	6.075	5.246	213.8E6	974.7E6	47.425	46.765
10) B gamma-Chl...	5.947	5.125	227.1E6	1113.4E6	47.431	46.543
11) B alpha-Chl...	6.028	5.190	228.5E6	1059.8E6	47.215	46.285
12) B 4,4'-DDE	6.197	5.375	207.8E6	1063.2E6	47.645	46.397
13) MA Dieldrin	6.348	5.512	229.5E6	1078.7E6	47.829	46.481
14) MA Endrin	6.575	5.787	188.5E6	982.2E6	45.684	45.232m
15) B Endosulfa...	6.787	6.080	185.0E6	937.0E6	45.827	46.392
16) A 4,4'-DDD	6.706	5.929	166.6E6	906.1E6	48.538	47.369
17) MA 4,4'-DDT	7.022	6.182	169.1E6	885.5E6	44.649	43.665
18) B Endrin al...	6.916	6.258	142.3E6	696.2E6	46.430	45.467
19) B Endosulfa...	7.149	6.481	181.0E6	905.5E6	47.177	46.151
20) A Methoxychlor	7.494	6.753	85312369	456.0E6	42.221	42.345
21) B Endrin ke...	7.631	6.990	194.9E6	1011.9E6	47.858	46.845
22) Mirex	8.115	7.185	138.6E6	751.4E6	45.576	45.055

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062425\
Data File : PD089109.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jun 2025 15:13
Operator : AR\AJ
Sample : PB168594BSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

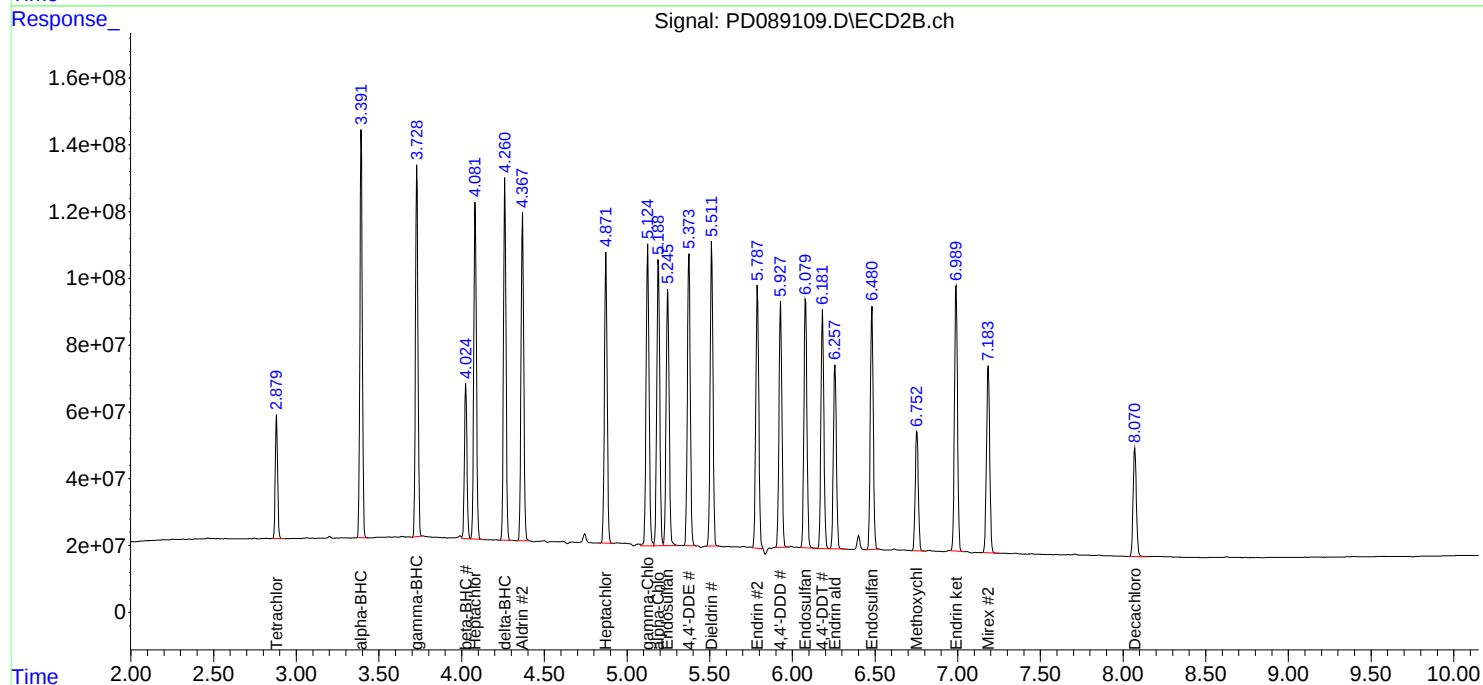
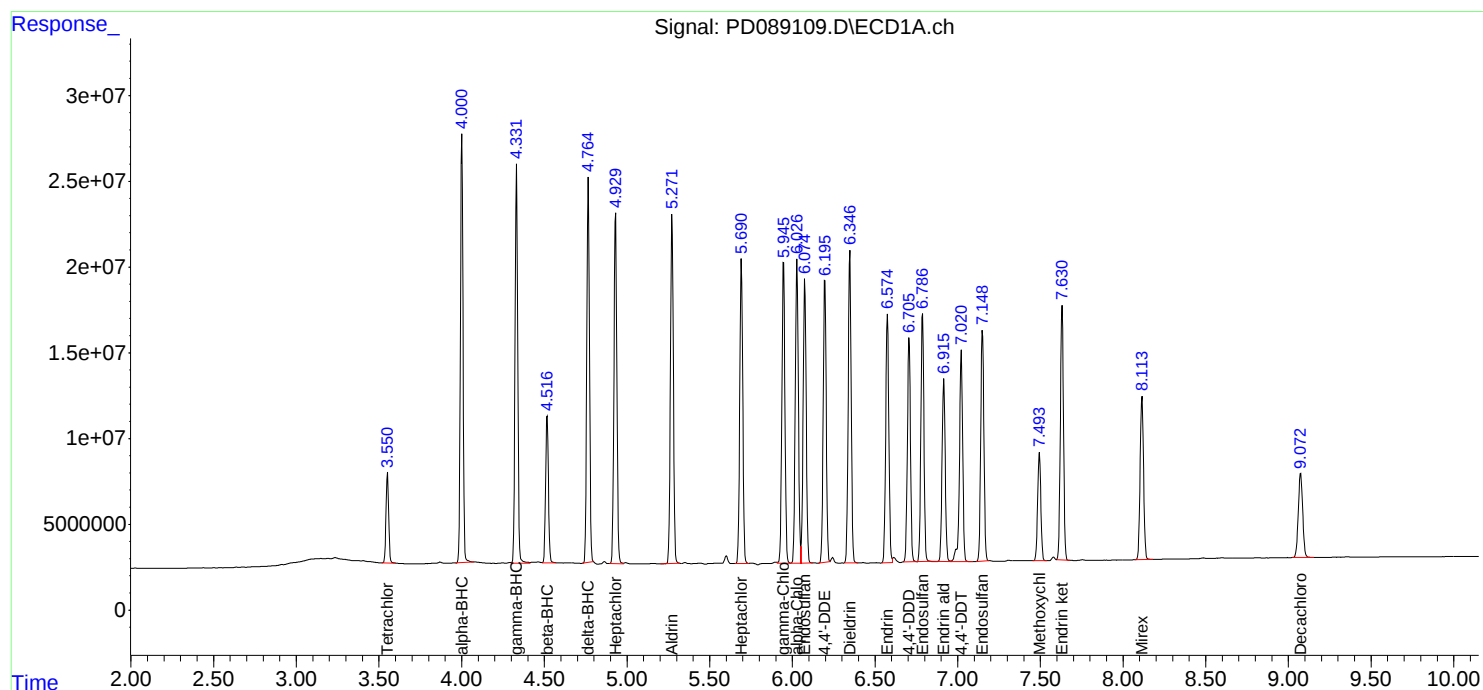
Instrument :
ECD_D
ClientSampleId :
PB168594BSD

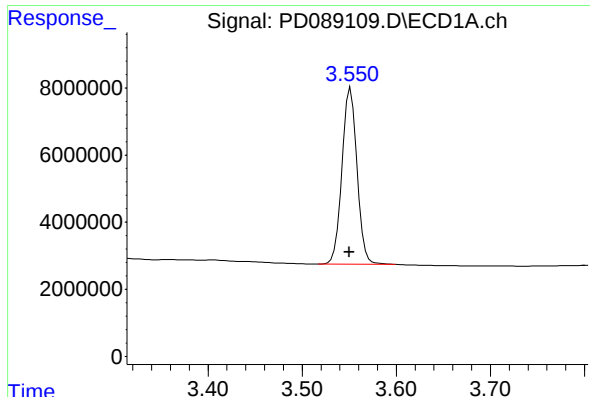
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 25 01:54:05 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





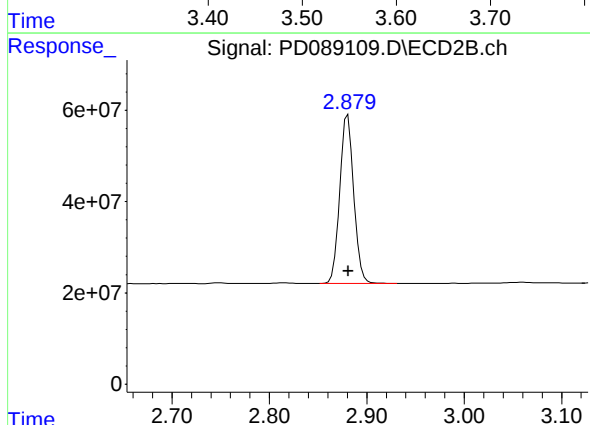
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.002 min
Response: 58315012
Conc: 20.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

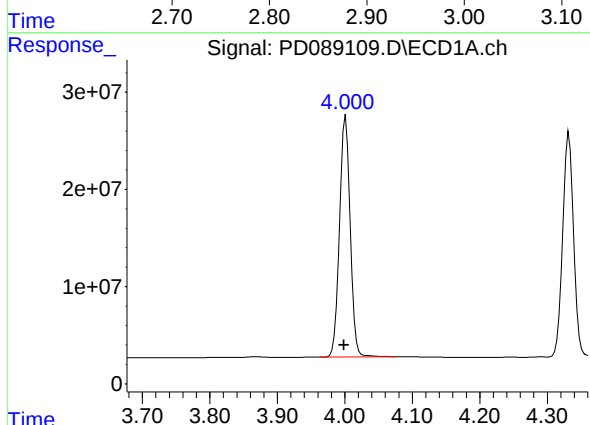
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



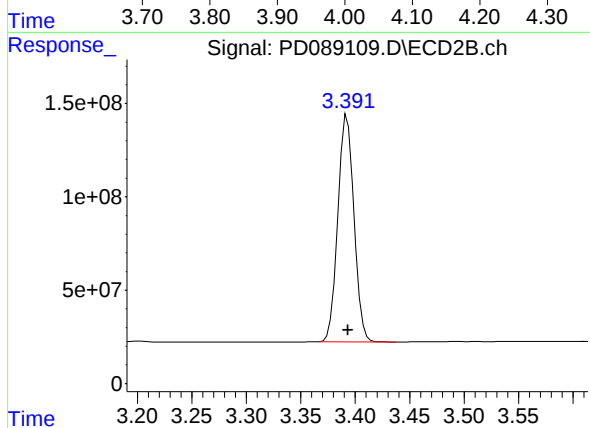
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 368300312
Conc: 21.72 ng/ml



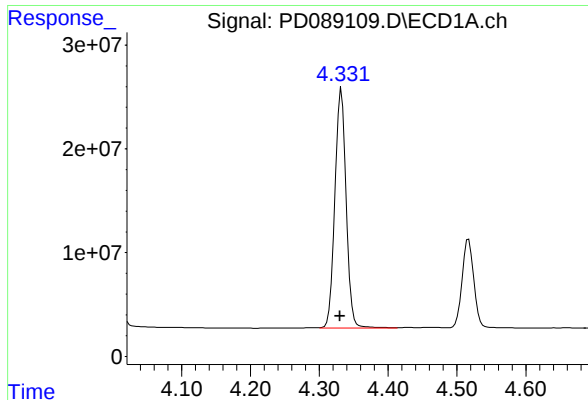
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.002 min
Response: 273813001
Conc: 46.97 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1246611265
Conc: 46.52 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.002 min
Response: 262530980
Conc: 47.03 ng/ml

Instrument :

ECD_D

ClientSampleId :

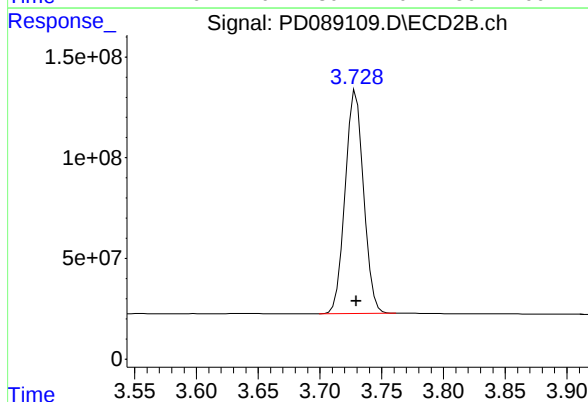
PB168594BSD

Manual Integrations

APPROVED

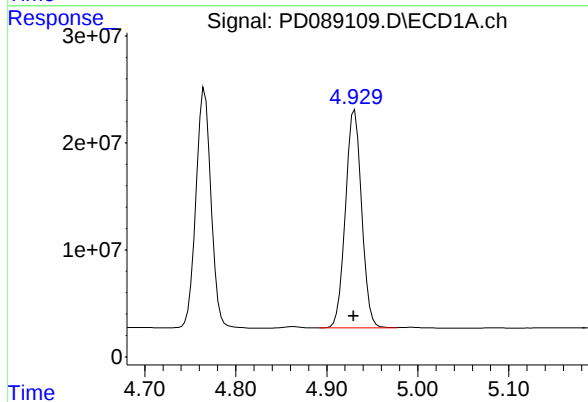
Reviewed By :Abdul Mirza 06/25/2025

Supervised By :mohammad ahmed 06/26/2025



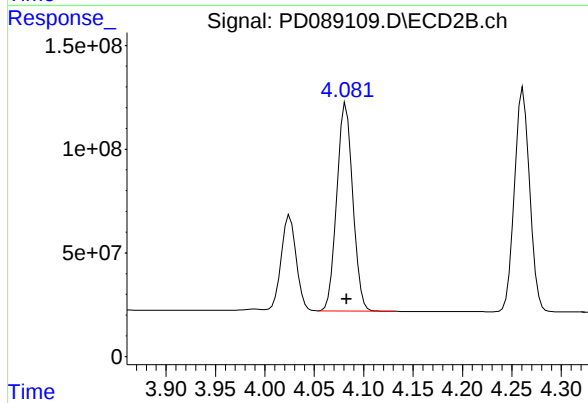
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1150539738
Conc: 46.47 ng/ml



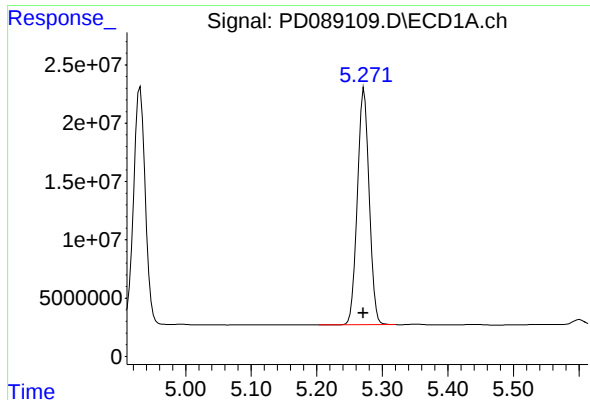
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.001 min
Response: 253530823
Conc: 46.50 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1129216273
Conc: 45.10 ng/ml



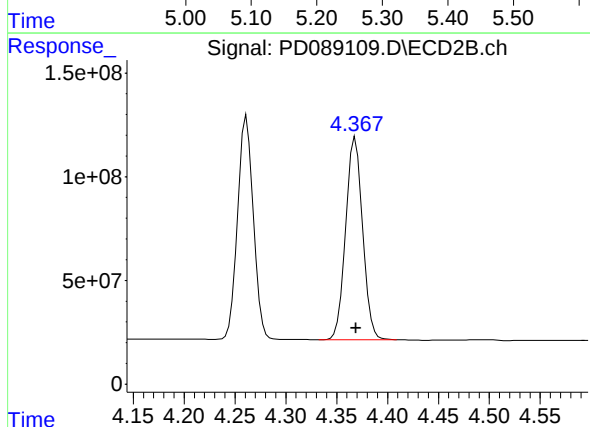
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.001 min
Response: 253262842
Conc: 47.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

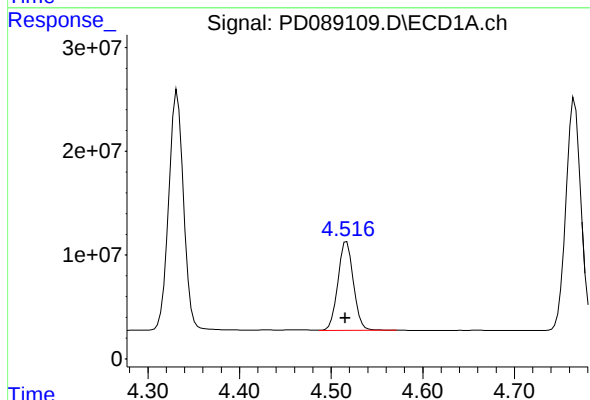
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



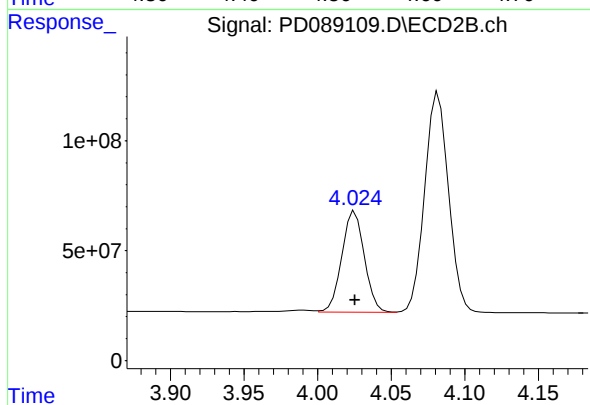
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1129208234
Conc: 46.63 ng/ml



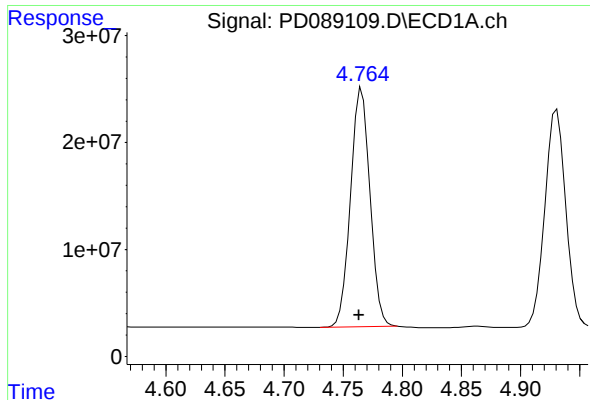
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.002 min
Response: 100744607
Conc: 45.64 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 490654089
Conc: 45.66 ng/ml



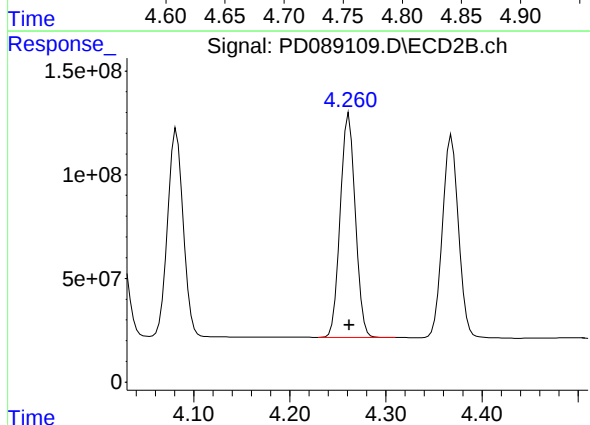
#7 delta-BHC

R.T.: 4.766 min
Delta R.T.: 0.002 min
Response: 255228165
Conc: 49.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

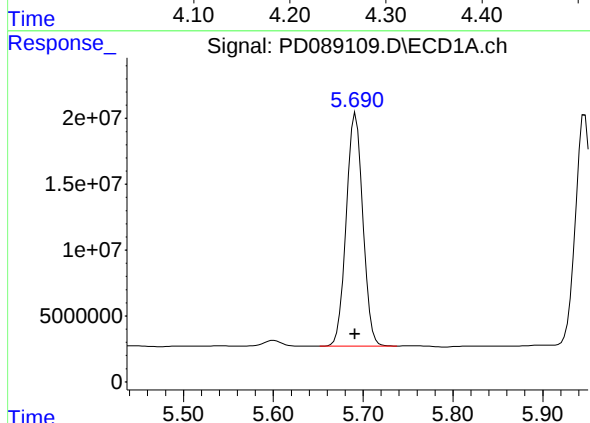
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



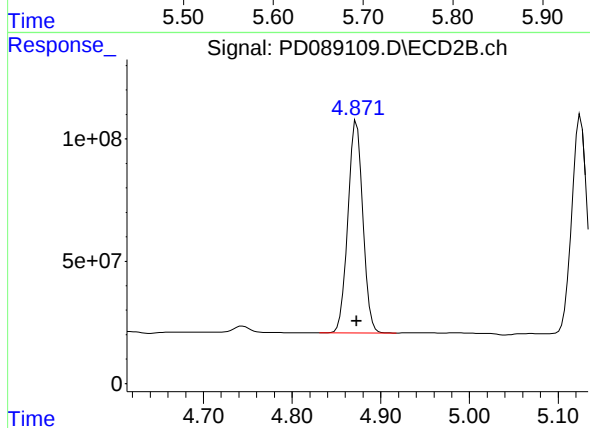
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1160377104
Conc: 46.65 ng/ml



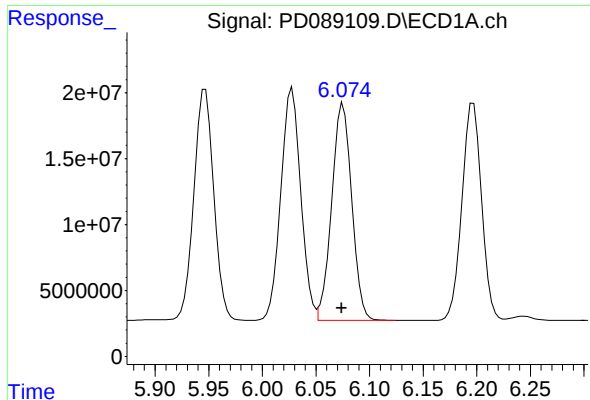
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 226197861
Conc: 46.89 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 1013932208
Conc: 46.30 ng/ml



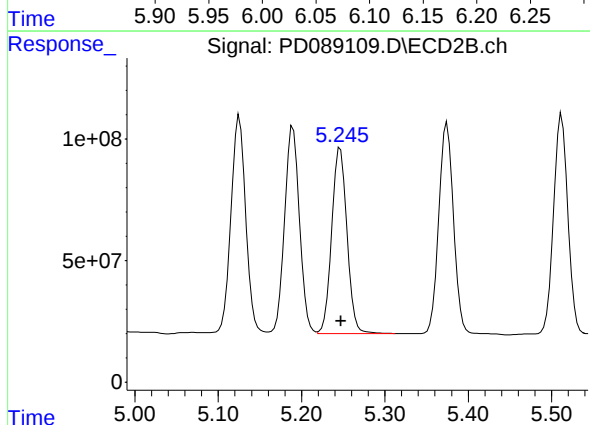
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.001 min
Response: 213766621
Conc: 47.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

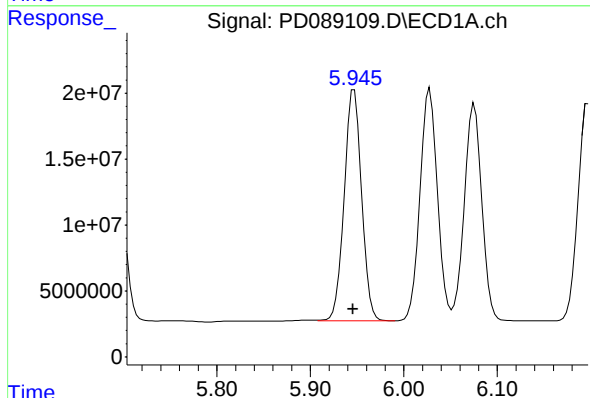
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



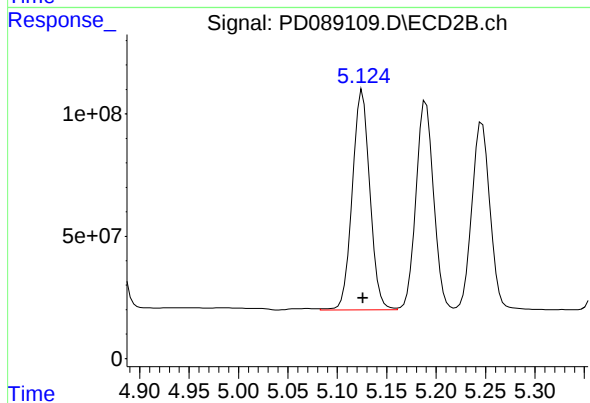
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 974688930
Conc: 46.76 ng/ml



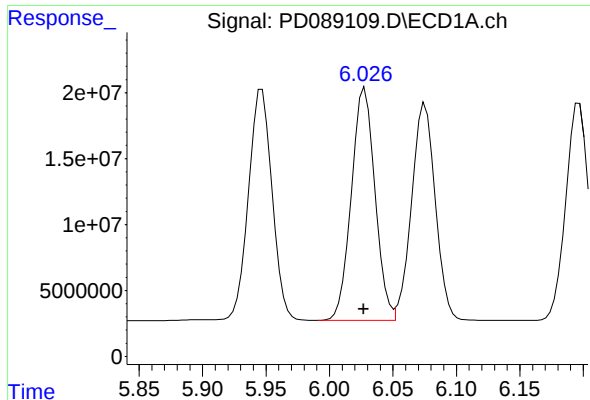
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.001 min
Response: 227102842
Conc: 47.43 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1113424012
Conc: 46.54 ng/ml



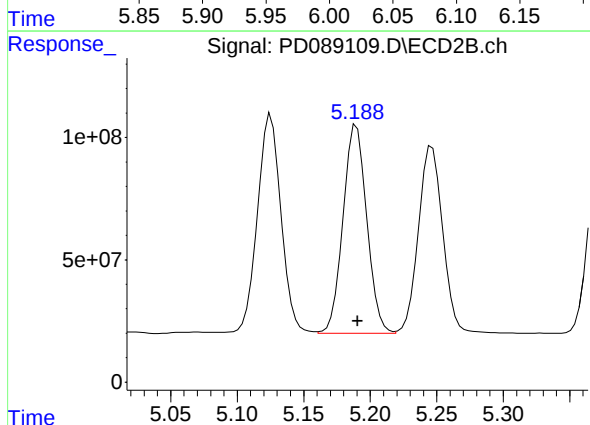
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 228452731
Conc: 47.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

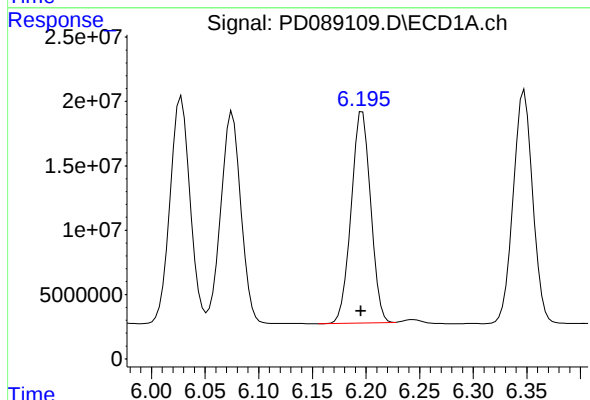
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



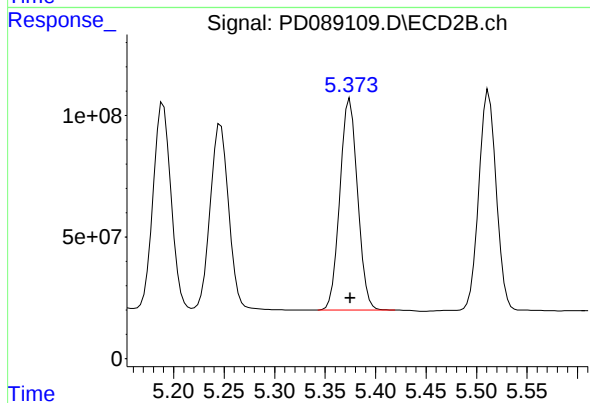
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: -0.001 min
Response: 1059769786
Conc: 46.28 ng/ml



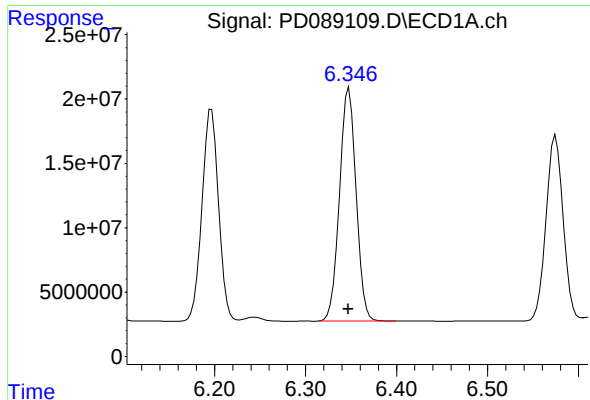
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.001 min
Response: 207782479
Conc: 47.65 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 1063244474
Conc: 46.40 ng/ml



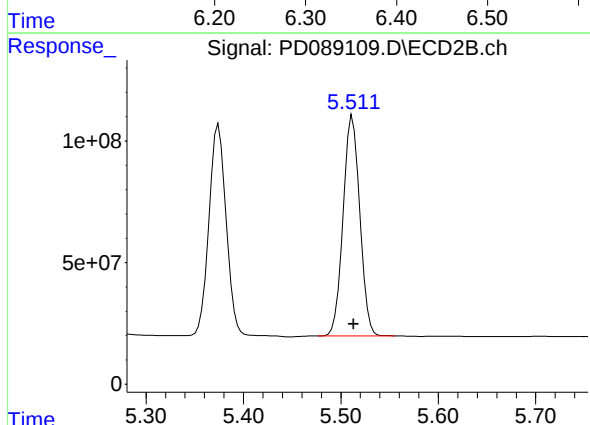
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 229457391
Conc: 47.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

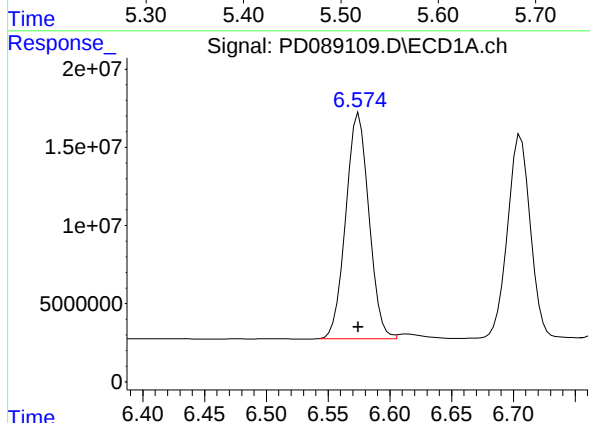
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



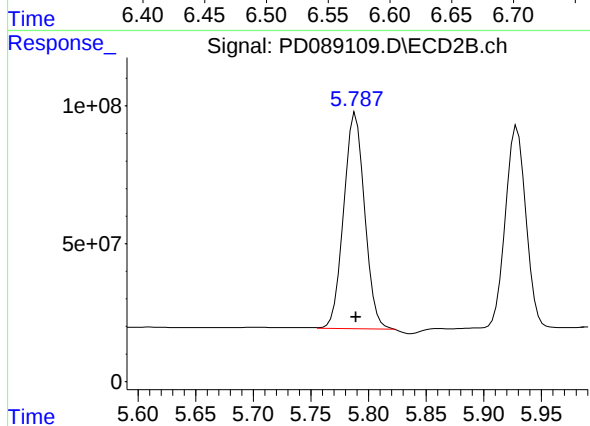
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.001 min
Response: 1078742412
Conc: 46.48 ng/ml



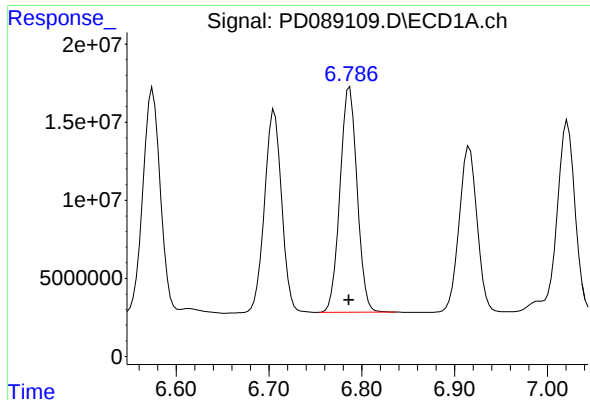
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 188474792
Conc: 45.68 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 982168653
Conc: 45.23 ng/ml m



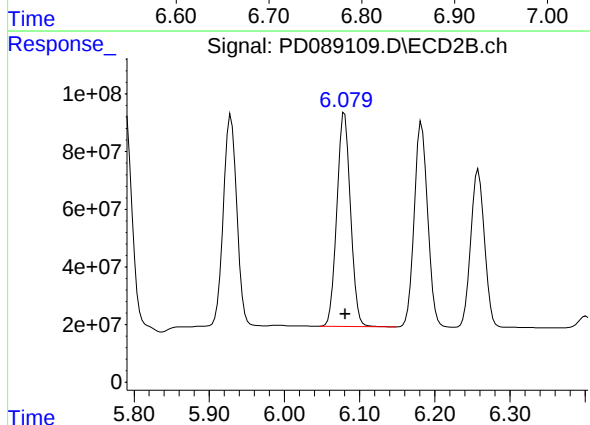
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 184985943
Conc: 45.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

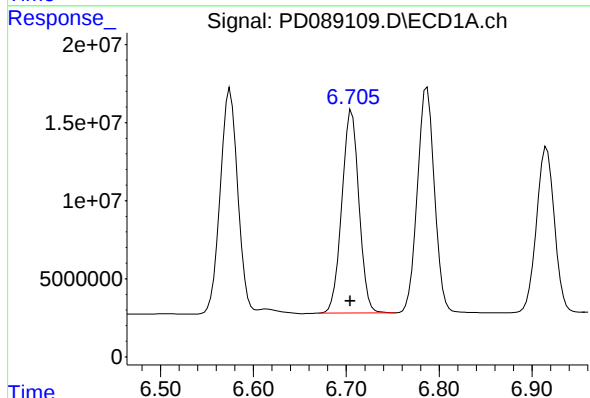
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



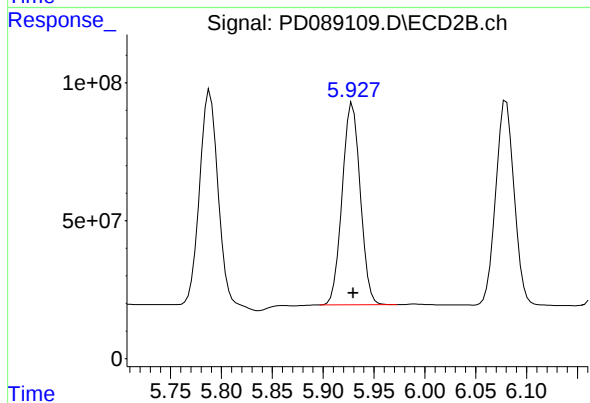
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 936953898
Conc: 46.39 ng/ml



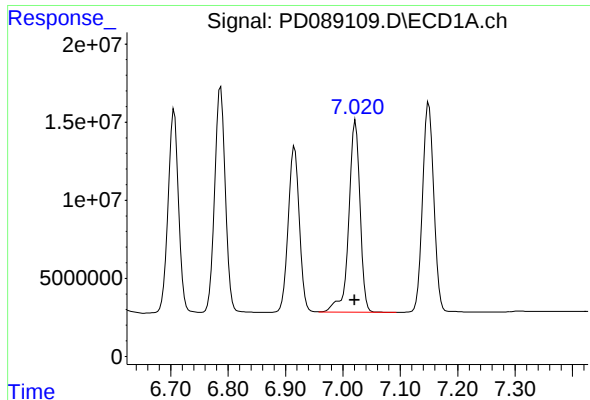
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.001 min
Response: 166583310
Conc: 48.54 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 906146803
Conc: 47.37 ng/ml



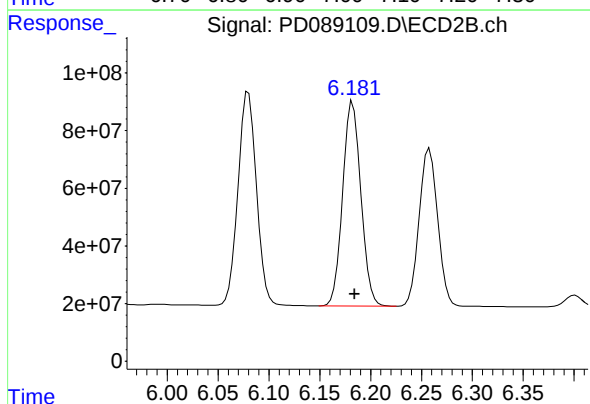
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.001 min
Response: 169139921
Conc: 44.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

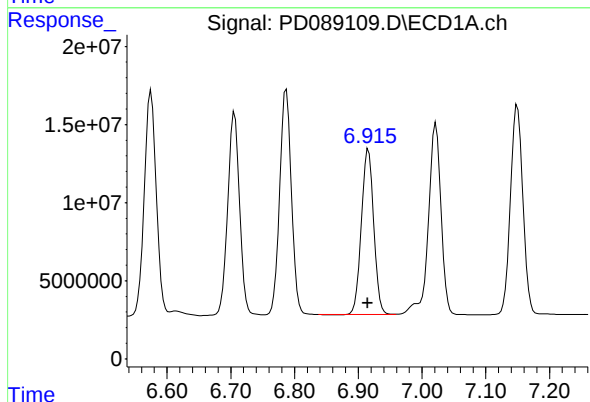
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



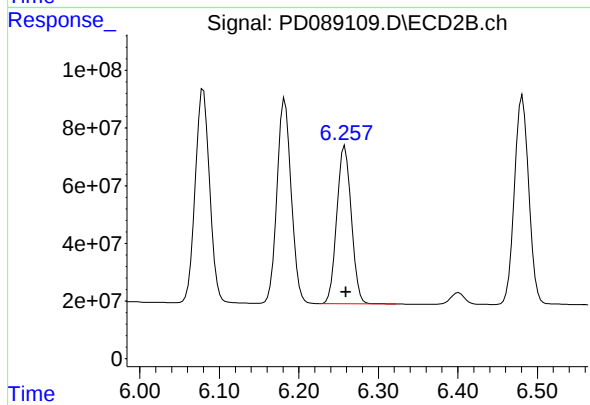
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 885503740
Conc: 43.67 ng/ml



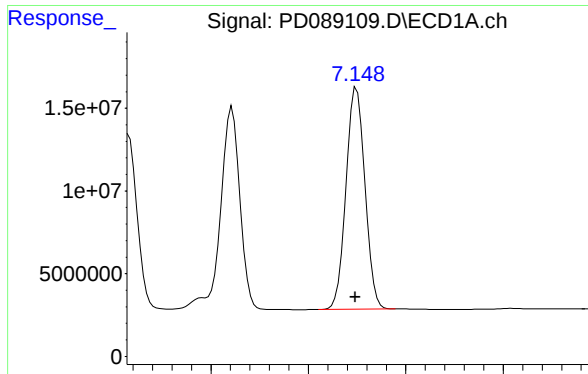
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.001 min
Response: 142259422
Conc: 46.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 696156899
Conc: 45.47 ng/ml



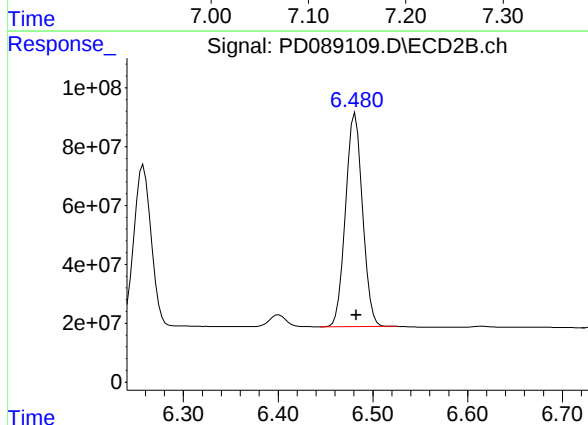
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.001 min
Response: 181027712
Conc: 47.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

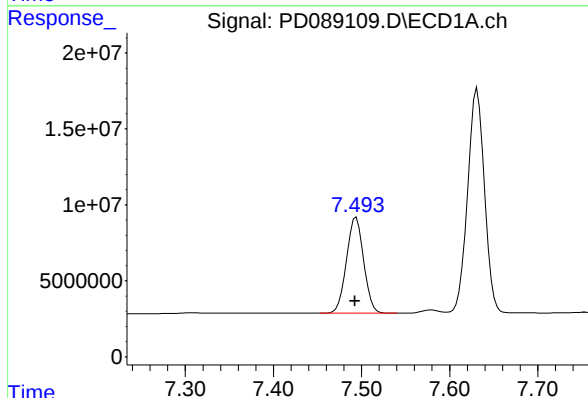
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



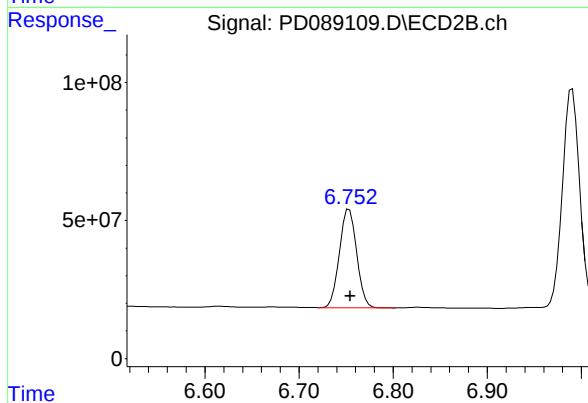
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 905528972
Conc: 46.15 ng/ml



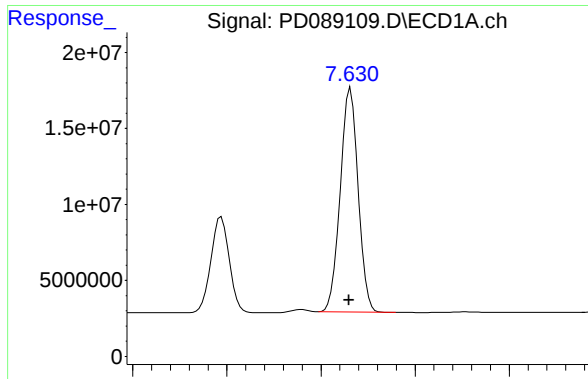
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.001 min
Response: 85312369
Conc: 42.22 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 455974507
Conc: 42.35 ng/ml



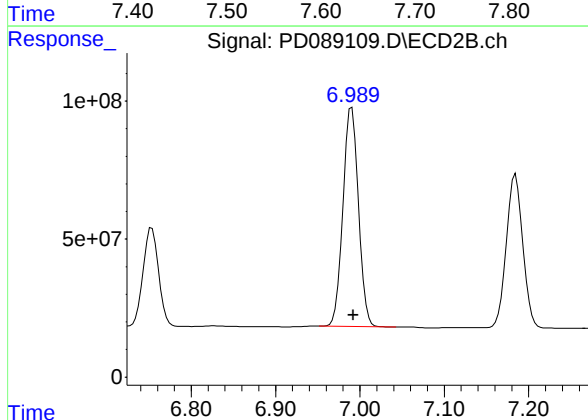
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.002 min
Response: 194929192
Conc: 47.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

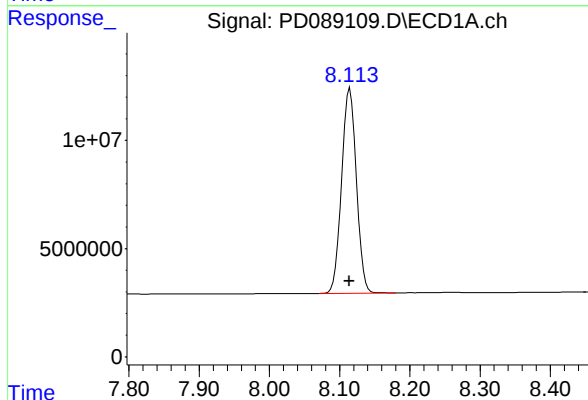
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



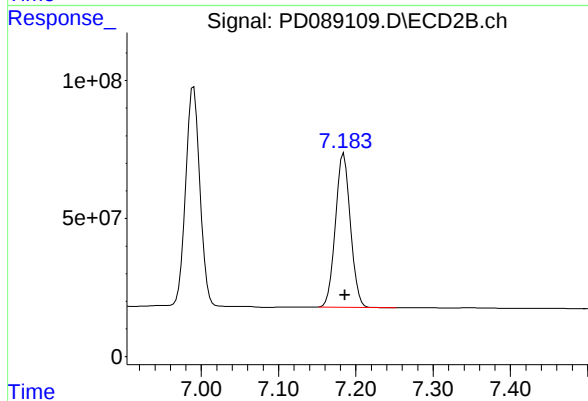
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 1011926617
Conc: 46.84 ng/ml



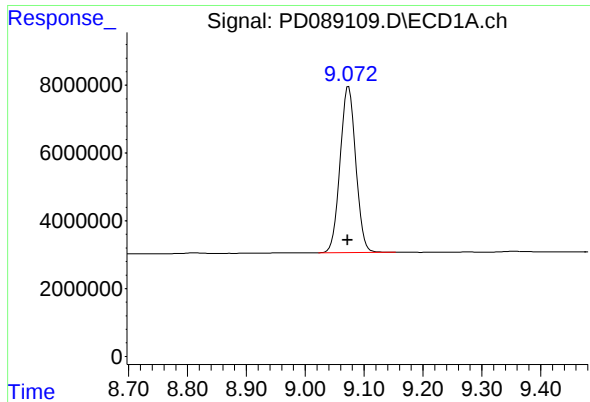
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.001 min
Response: 138557834
Conc: 45.58 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 751427988
Conc: 45.05 ng/ml



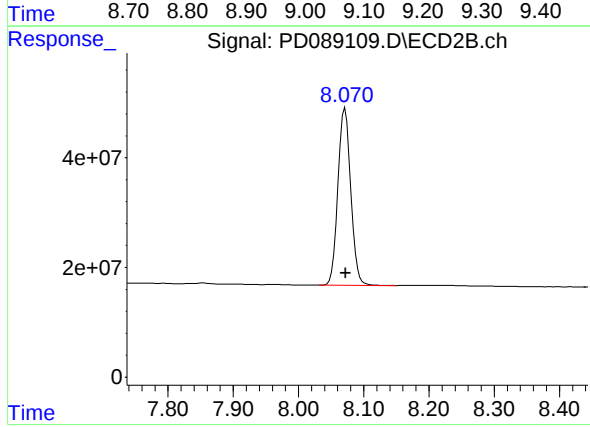
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.002 min
Response: 90695154
Conc: 23.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168594BSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/25/2025
Supervised By :mohammad ahmed 06/26/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 442222556
Conc: 22.37 ng/ml