

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
 Data File : PL094644.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Mar 2025 17:34
 Operator : AR\AJ
 Sample : PB167091BS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167091BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 03/13/2025
 Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 13 05:35:02 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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 x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm

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

System Monitoring Compounds						
1) SA Tetrachlo...	3.538	2.772	72387353	90115495	25.573	25.248
28) SA Decachlor...	9.054	7.904	65347019	117.1E6	31.008	28.991
Target Compounds						
2) A alpha-BHC	3.994	3.274	218.0E6	293.8E6	52.497	54.493
3) MA gamma-BHC...	4.327	3.603	210.2E6	280.8E6	52.688	54.630
4) MA Heptachlor	4.914	3.941	198.1E6	277.0E6	51.042	52.573
5) MB Aldrin	5.256	4.220	191.7E6	266.6E6	51.915	54.679
6) B beta-BHC	4.525	3.904	95876775	123.3E6	51.960	55.509
7) B delta-BHC	4.772	4.132	218.3E6	282.7E6	56.047	56.519
8) B Heptachlo...	5.682	4.723	177.4E6	255.5E6	53.033	55.801
9) A Endosulfan I	6.068	5.092	164.3E6	245.1E6	53.511	55.840
10) B gamma-Chl...	5.938	4.972	178.7E6	268.3E6	53.049	55.569
11) B alpha-Chl...	6.017	5.036	175.5E6	263.6E6	53.220	55.224
12) B 4,4'-DDE	6.191	5.225	167.6E6	265.5E6	56.963	57.111
13) MA Dieldrin	6.343	5.357	174.0E6	271.5E6	54.412	55.952
14) MA Endrin	6.571	5.630	140.4E6	232.1E6	50.651m	53.198m
15) B Endosulfa...	6.793	5.927	152.6E6	247.3E6	56.198	57.135
16) A 4,4'-DDD	6.709	5.781	132.8E6	220.8E6	61.289	61.406
17) MA 4,4'-DDT	7.023	6.030	133.6E6	220.2E6	56.178	54.607
18) B Endrin al...	6.923	6.106	118.5E6	190.6E6	56.158	56.649
19) B Endosulfa...	7.158	6.329	139.8E6	238.2E6	57.503	58.486
20) A Methoxychlor	7.499	6.605	67481863	115.7E6	56.372	54.541
21) B Endrin ke...	7.644	6.834	158.0E6	291.7E6	59.782	61.130
22) Mirex	8.115	7.014	115.6E6	212.0E6	55.937	55.862

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL031225\
Data File : PL094644.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Mar 2025 17:34
Operator : AR\AJ
Sample : PB167091BS
Misc :
ALS Vial : 20 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167091BS

Manual Integrations

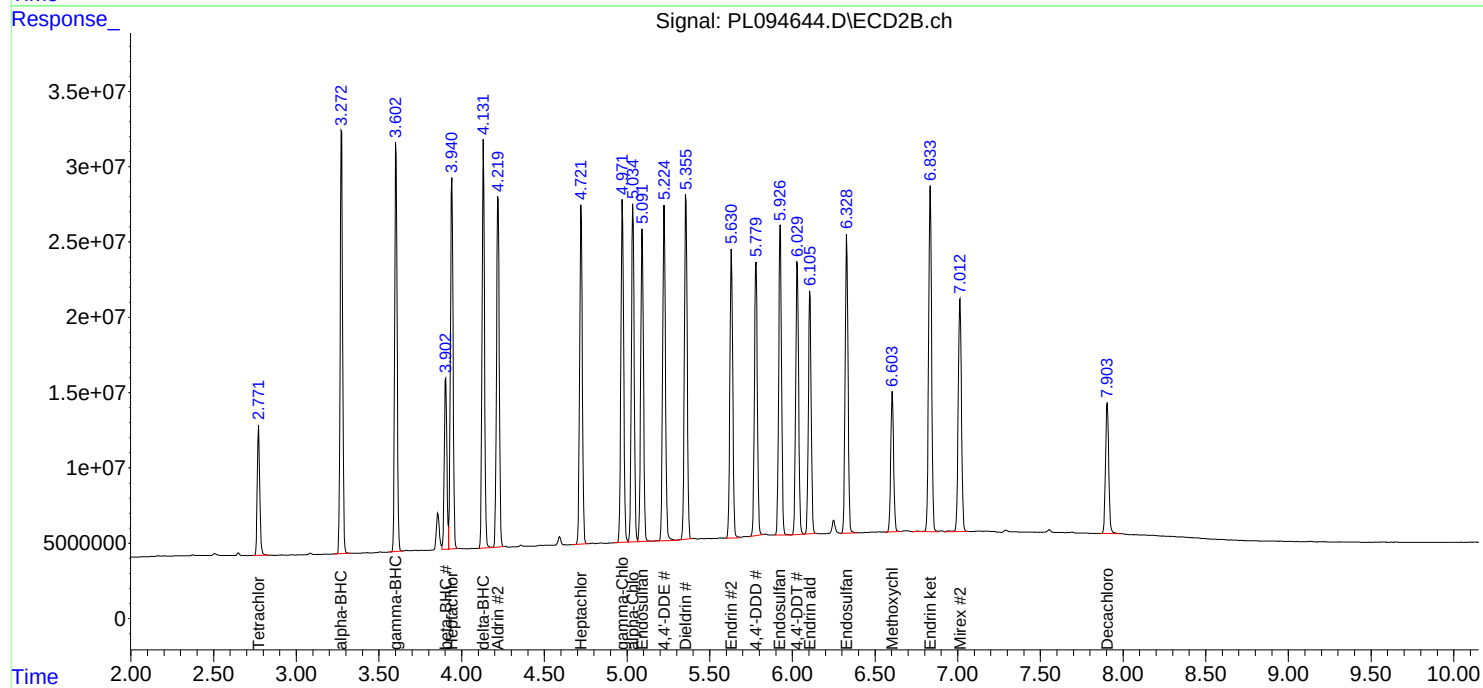
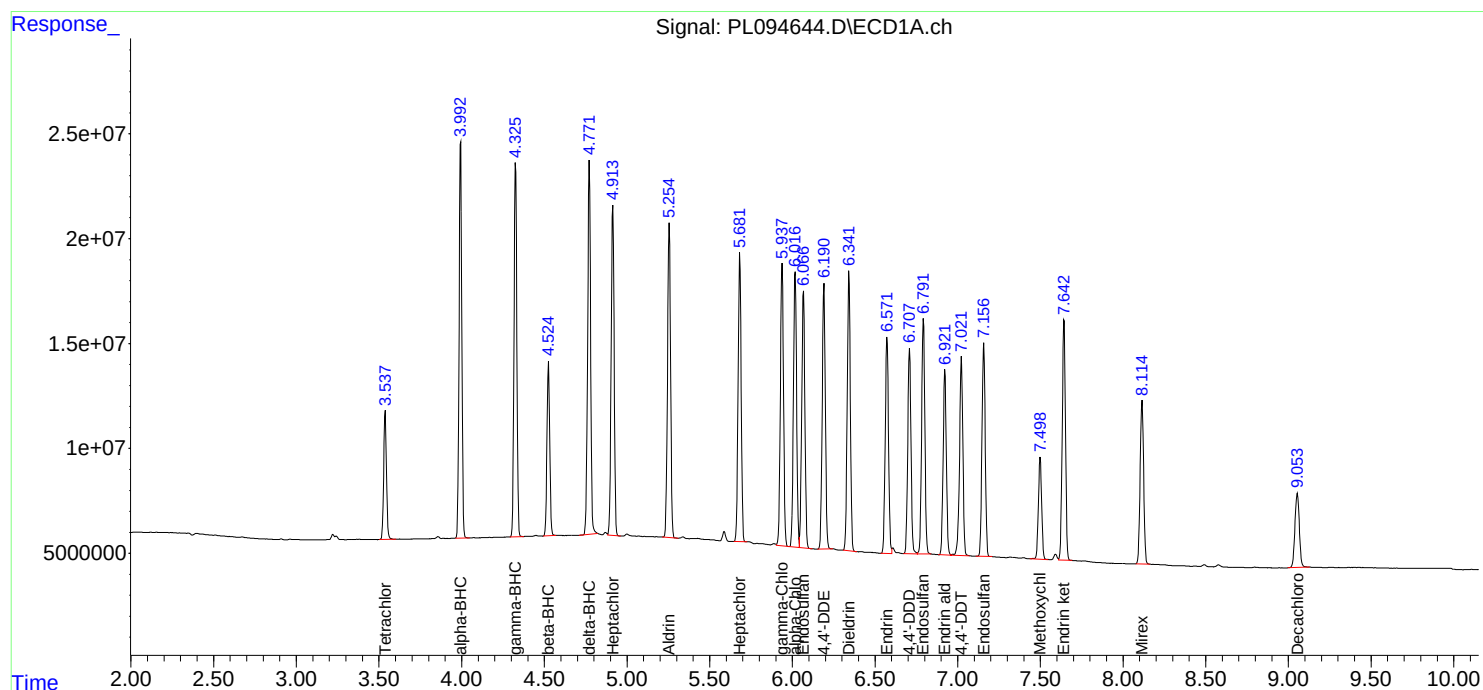
APPROVED

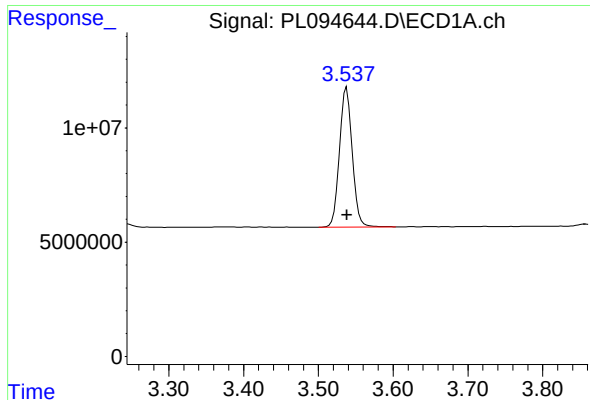
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Mar 13 05:35:02 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 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 x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.538 min
Delta R.T.: 0.000 min
Response: 72387353
Conc: 25.57 ng/ml

Instrument :

ECD_L

ClientSampleId :

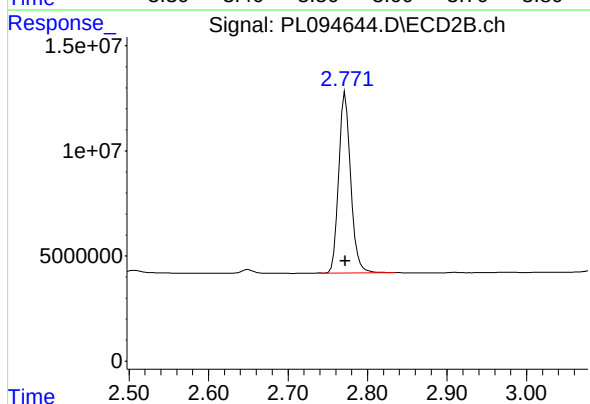
PB167091BS

Manual Integrations

APPROVED

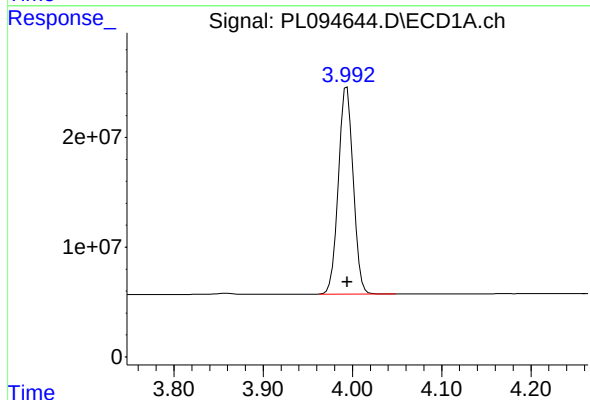
Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025



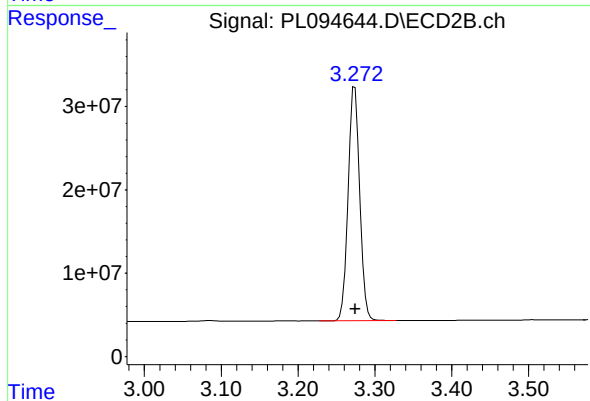
#1 Tetrachloro-m-xylene

R.T.: 2.772 min
Delta R.T.: 0.000 min
Response: 90115495
Conc: 25.25 ng/ml



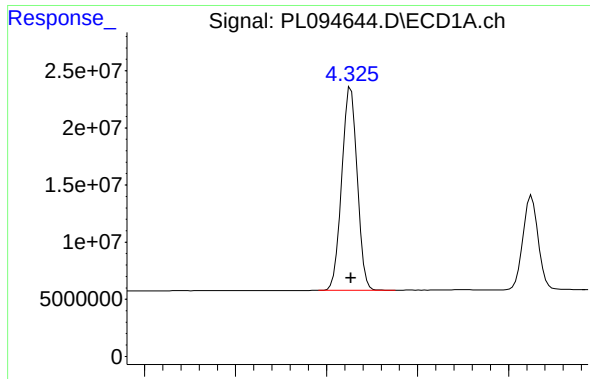
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 217987293
Conc: 52.50 ng/ml



#2 alpha-BHC

R.T.: 3.274 min
Delta R.T.: 0.000 min
Response: 293791228
Conc: 54.49 ng/ml



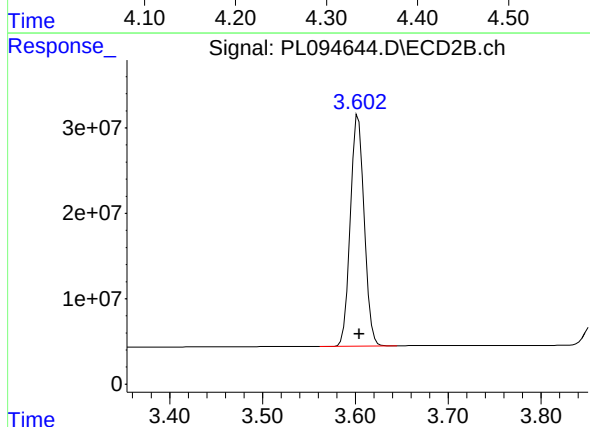
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 210240344
Conc: 52.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

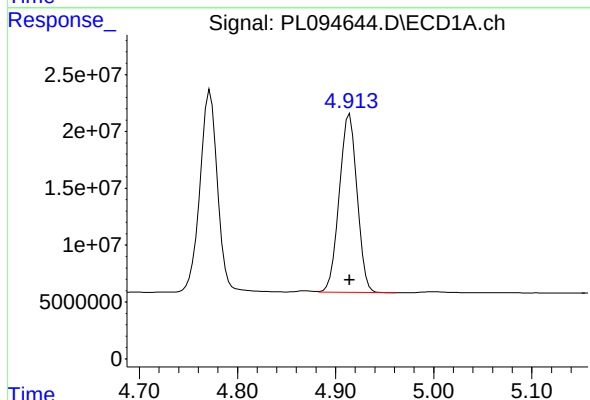
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



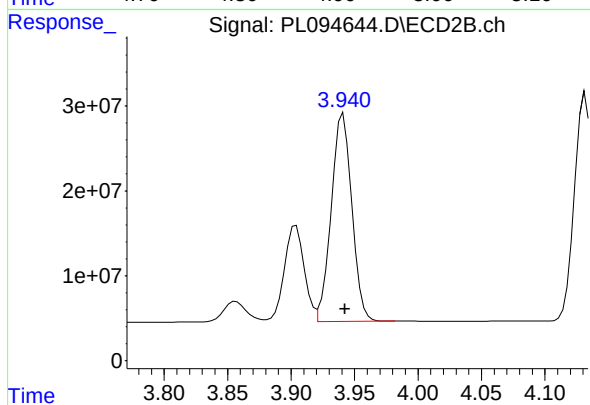
#3 gamma-BHC (Lindane)

R.T.: 3.603 min
Delta R.T.: 0.000 min
Response: 280767504
Conc: 54.63 ng/ml



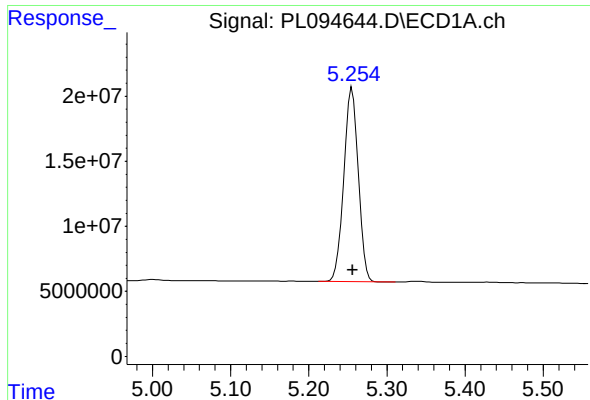
#4 Heptachlor

R.T.: 4.914 min
Delta R.T.: 0.000 min
Response: 198125043
Conc: 51.04 ng/ml



#4 Heptachlor

R.T.: 3.941 min
Delta R.T.: -0.001 min
Response: 276989642
Conc: 52.57 ng/ml



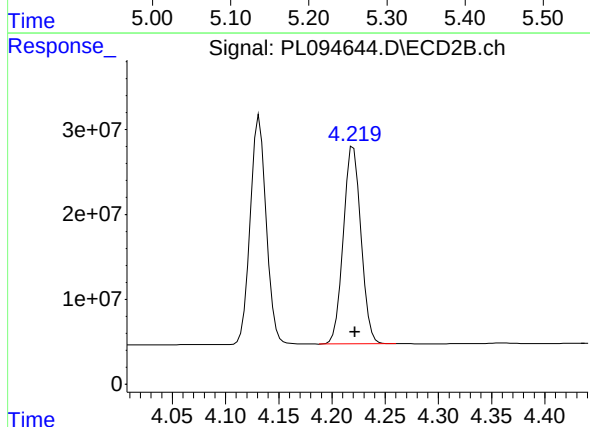
#5 Aldrin

R.T.: 5.256 min
Delta R.T.: 0.000 min
Response: 191683245
Conc: 51.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

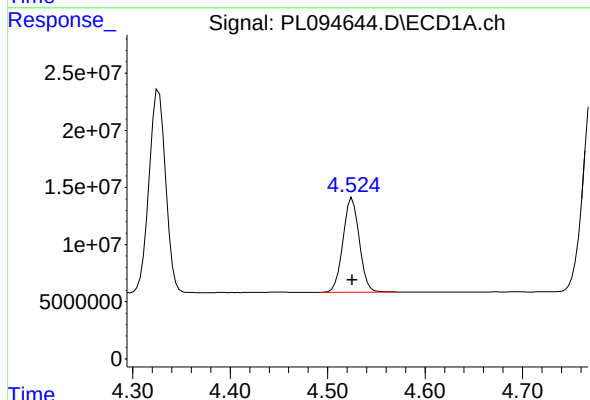
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



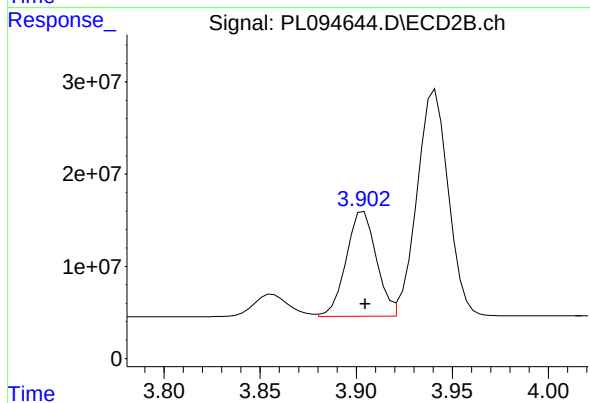
#5 Aldrin

R.T.: 4.220 min
Delta R.T.: -0.002 min
Response: 266635460
Conc: 54.68 ng/ml



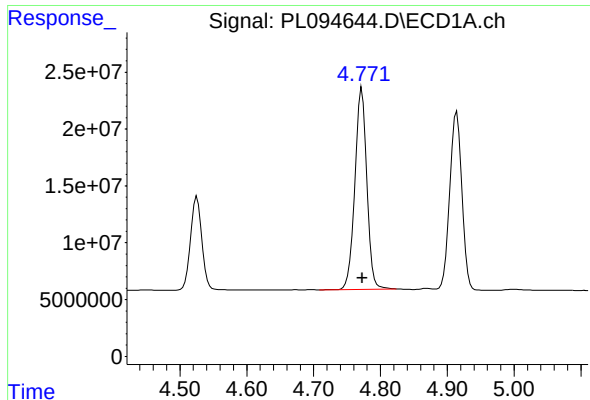
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 95876775
Conc: 51.96 ng/ml



#6 beta-BHC

R.T.: 3.904 min
Delta R.T.: 0.000 min
Response: 123302545
Conc: 55.51 ng/ml



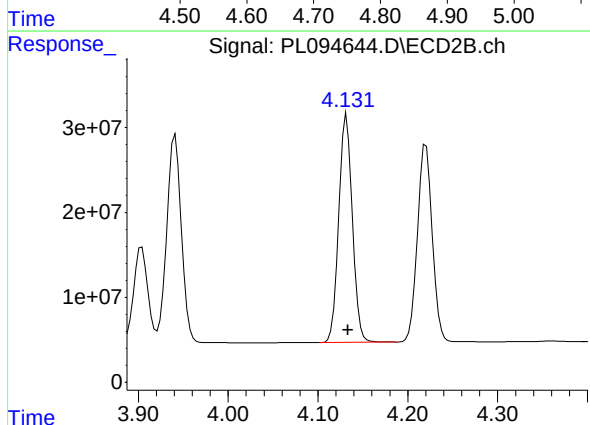
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.000 min
Response: 218264540
Conc: 56.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

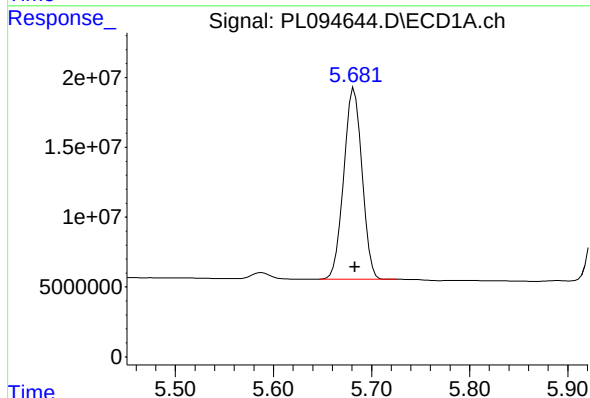
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



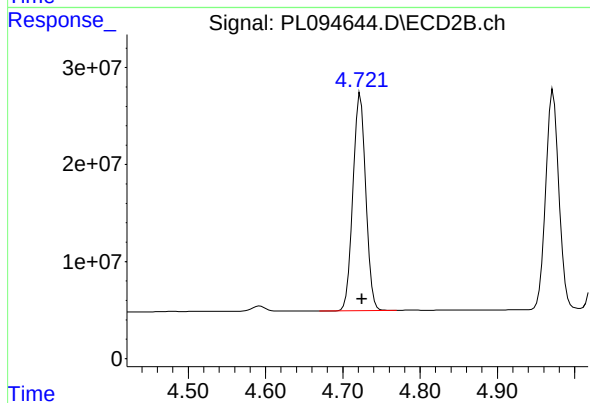
#7 delta-BHC

R.T.: 4.132 min
Delta R.T.: -0.001 min
Response: 282705851
Conc: 56.52 ng/ml



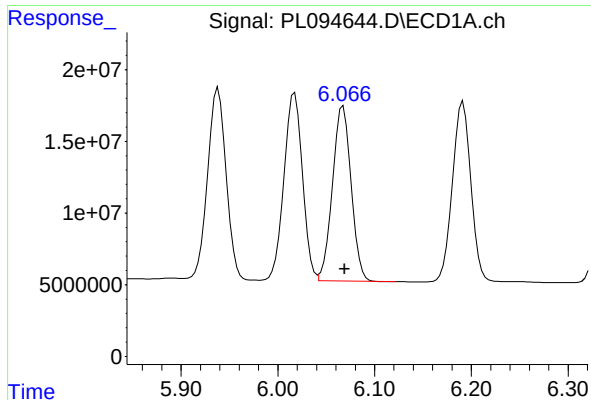
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: 0.000 min
Response: 177406007
Conc: 53.03 ng/ml



#8 Heptachlor epoxide

R.T.: 4.723 min
Delta R.T.: -0.002 min
Response: 255488547
Conc: 55.80 ng/ml



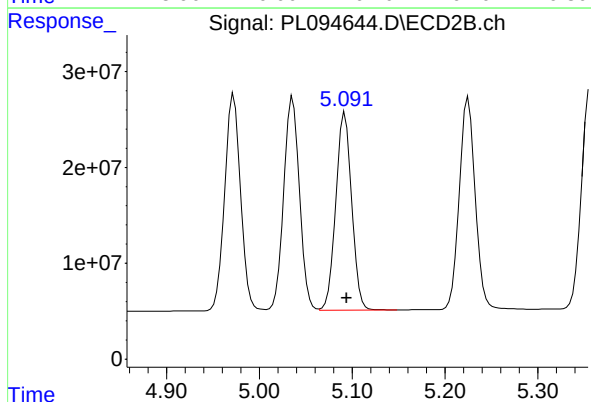
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 164290827
Conc: 53.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

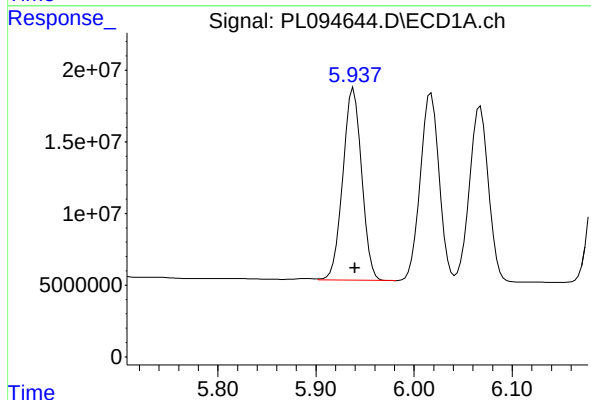
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



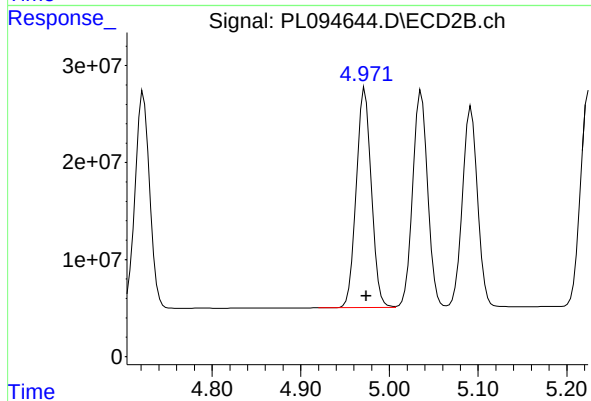
#9 Endosulfan I

R.T.: 5.092 min
Delta R.T.: -0.002 min
Response: 245067915
Conc: 55.84 ng/ml



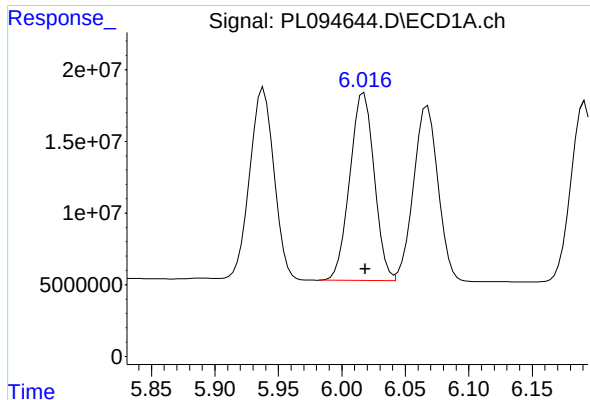
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.001 min
Response: 178742931
Conc: 53.05 ng/ml



#10 gamma-Chlordane

R.T.: 4.972 min
Delta R.T.: -0.002 min
Response: 268311946
Conc: 55.57 ng/ml



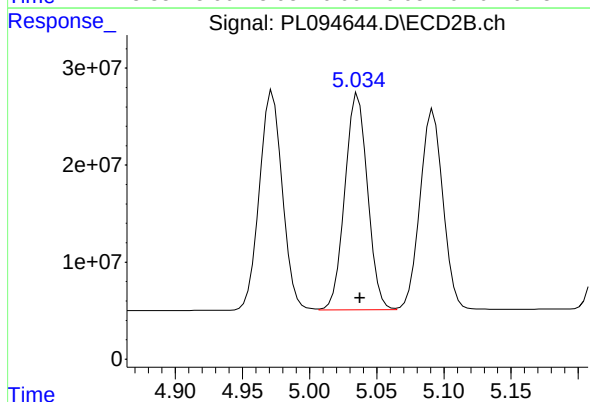
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: 0.000 min
Response: 175457379
Conc: 53.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

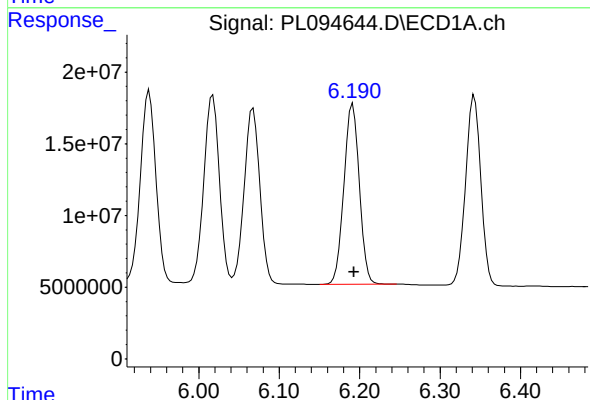
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



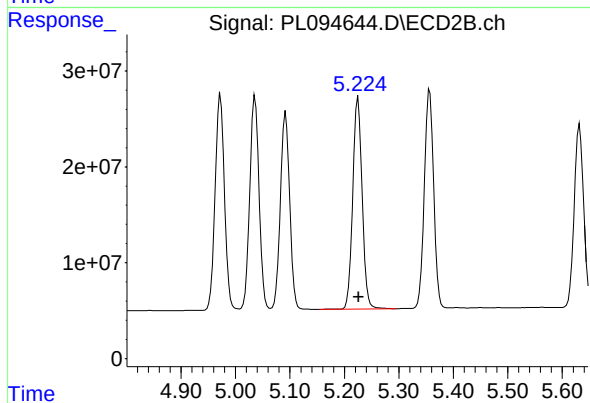
#11 alpha-Chlordane

R.T.: 5.036 min
Delta R.T.: -0.002 min
Response: 263573581
Conc: 55.22 ng/ml



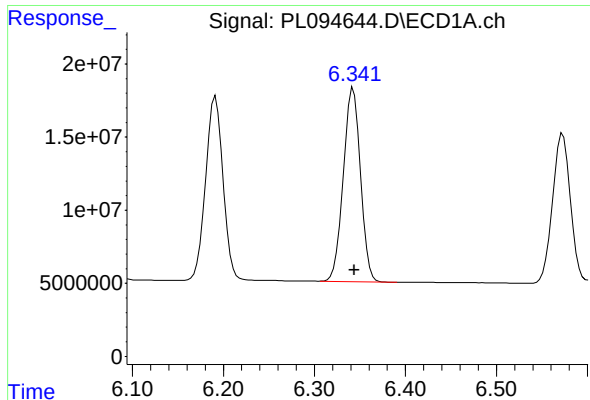
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.002 min
Response: 167589831
Conc: 56.96 ng/ml



#12 4,4'-DDE

R.T.: 5.225 min
Delta R.T.: -0.002 min
Response: 265481958
Conc: 57.11 ng/ml



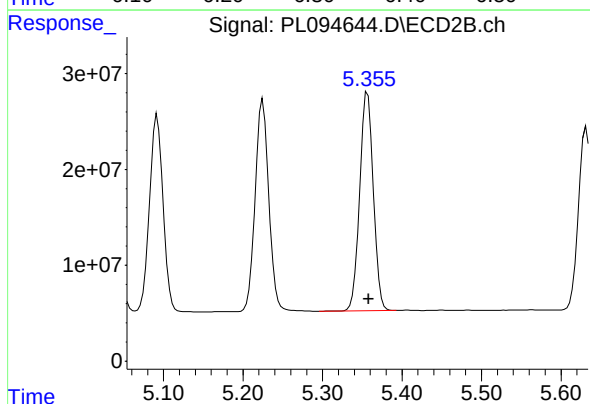
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.001 min
Response: 174018455
Conc: 54.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

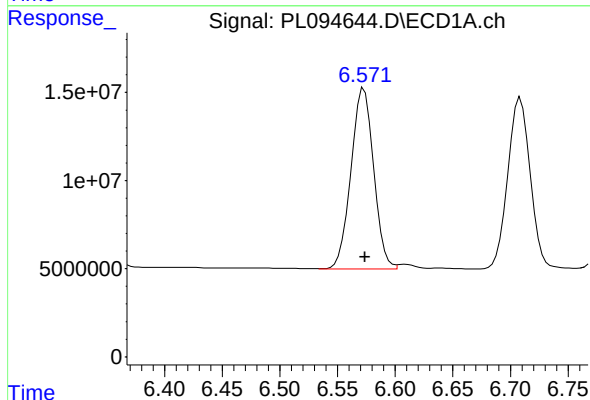
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



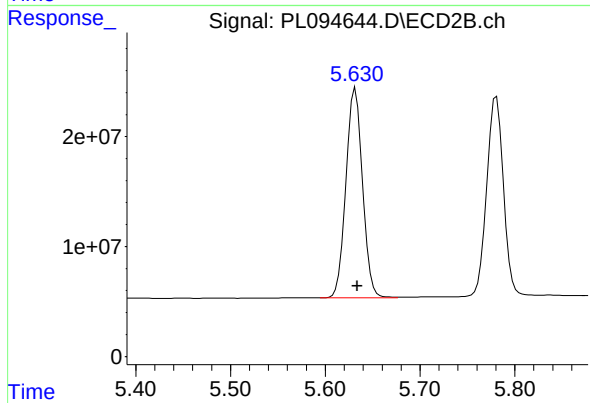
#13 Dieldrin

R.T.: 5.357 min
Delta R.T.: -0.002 min
Response: 271468619
Conc: 55.95 ng/ml



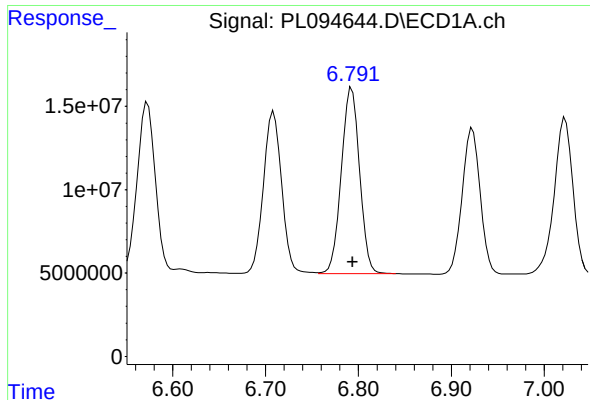
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.002 min
Response: 140408461
Conc: 50.65 ng/ml m



#14 Endrin

R.T.: 5.630 min
Delta R.T.: -0.003 min
Response: 232135514
Conc: 53.20 ng/ml m



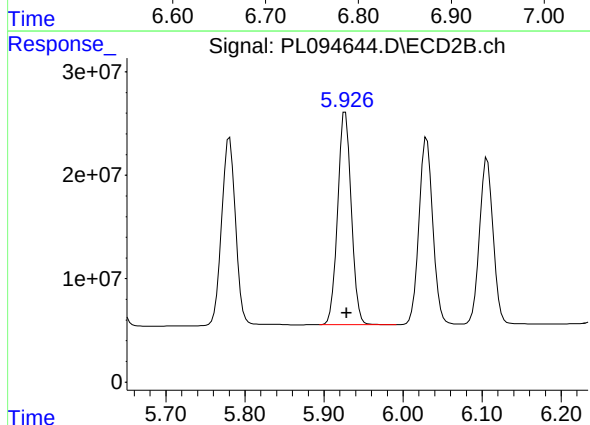
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.000 min
Response: 152562484
Conc: 56.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

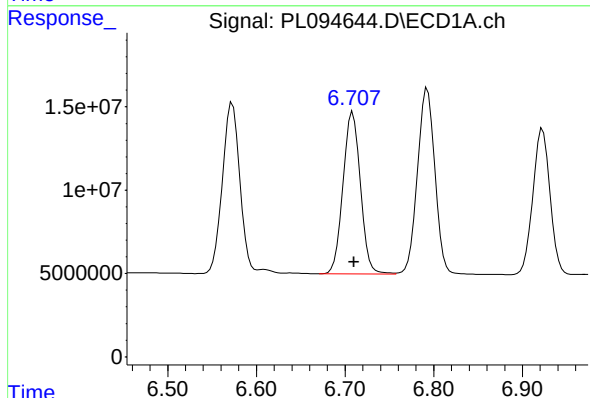
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



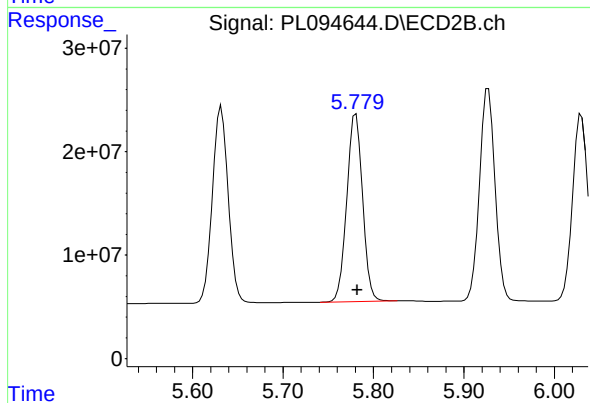
#15 Endosulfan II

R.T.: 5.927 min
Delta R.T.: -0.001 min
Response: 247293026
Conc: 57.13 ng/ml



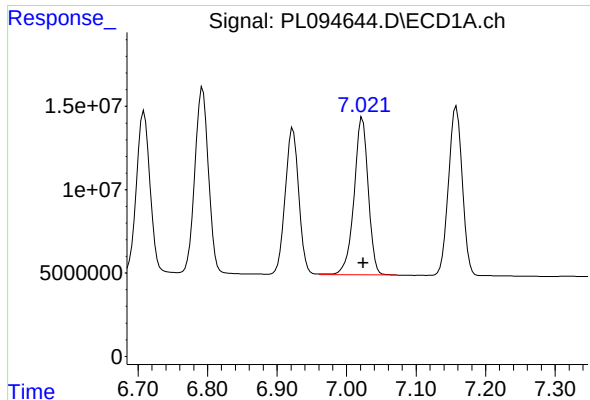
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: -0.001 min
Response: 132756016
Conc: 61.29 ng/ml



#16 4,4'-DDD

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 220809410
Conc: 61.41 ng/ml



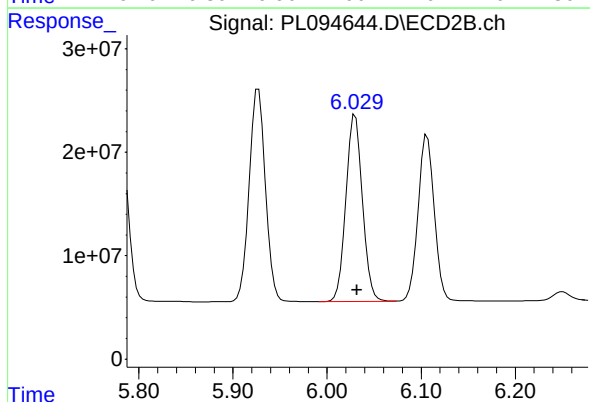
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.001 min
Response: 133620843
Conc: 56.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

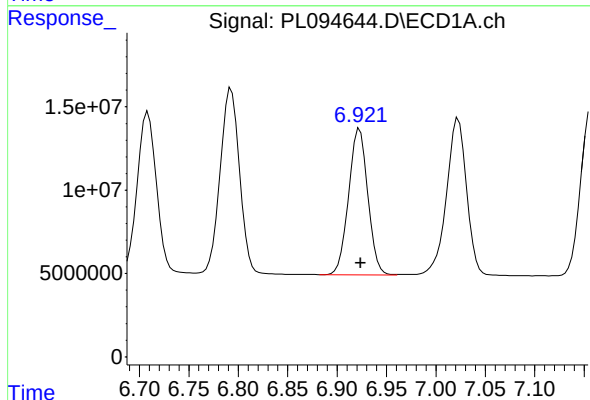
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



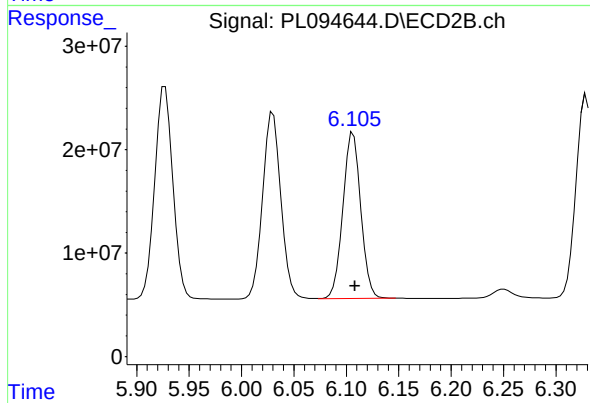
#17 4,4'-DDT

R.T.: 6.030 min
Delta R.T.: -0.002 min
Response: 220182695
Conc: 54.61 ng/ml



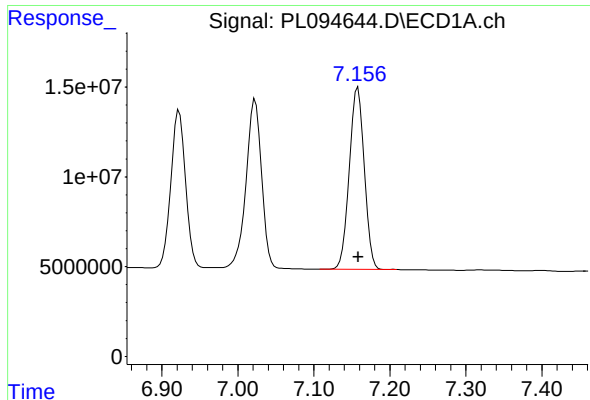
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.000 min
Response: 118549510
Conc: 56.16 ng/ml



#18 Endrin aldehyde

R.T.: 6.106 min
Delta R.T.: -0.002 min
Response: 190644912
Conc: 56.65 ng/ml



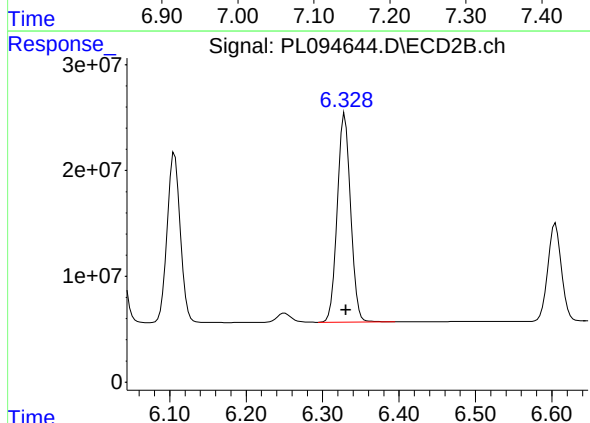
#19 Endosulfan Sulfate

R.T.: 7.158 min
Delta R.T.: 0.000 min
Response: 139848833
Conc: 57.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

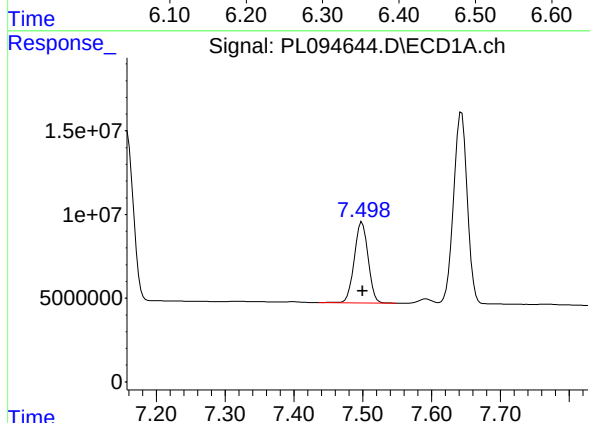
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



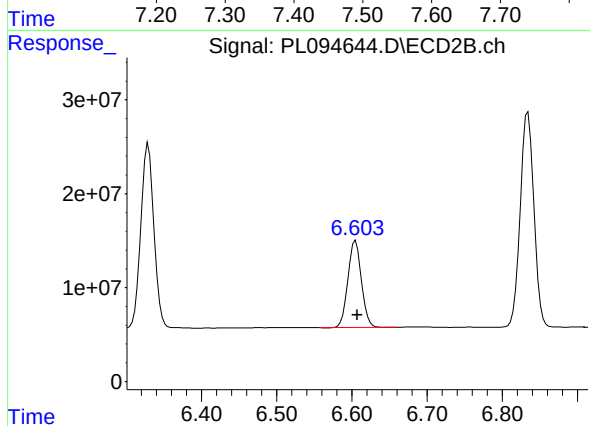
#19 Endosulfan Sulfate

R.T.: 6.329 min
Delta R.T.: -0.002 min
Response: 238240806
Conc: 58.49 ng/ml



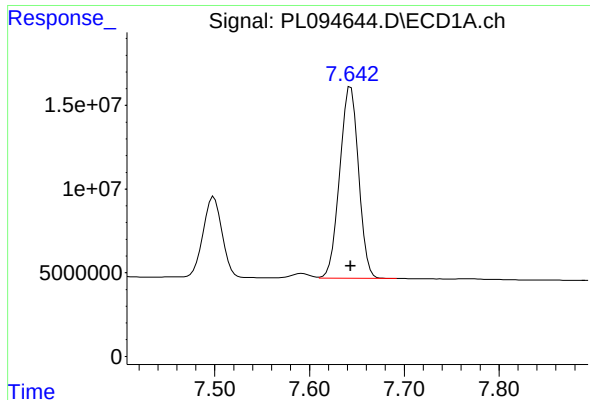
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.000 min
Response: 67481863
Conc: 56.37 ng/ml



#20 Methoxychlor

R.T.: 6.605 min
Delta R.T.: -0.002 min
Response: 115684721
Conc: 54.54 ng/ml



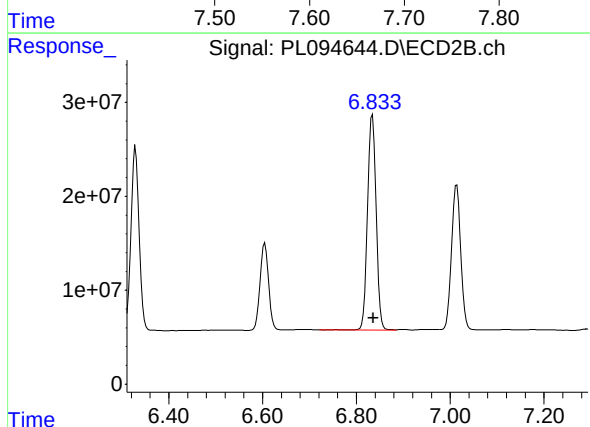
#21 Endrin ketone

R.T.: 7.644 min
Delta R.T.: 0.000 min
Response: 158018991
Conc: 59.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167091BS

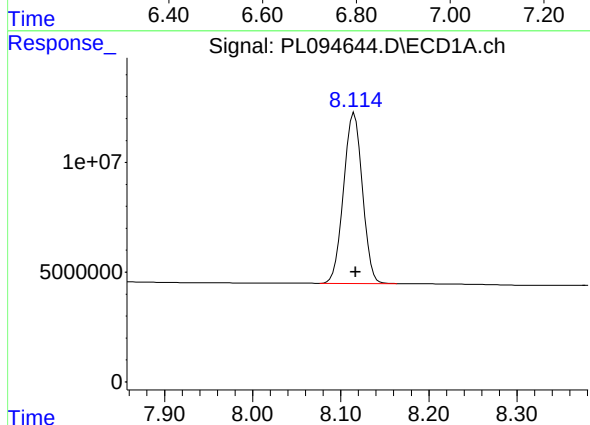
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 03/13/2025
Supervised By :mohammad ahmed 03/28/2025



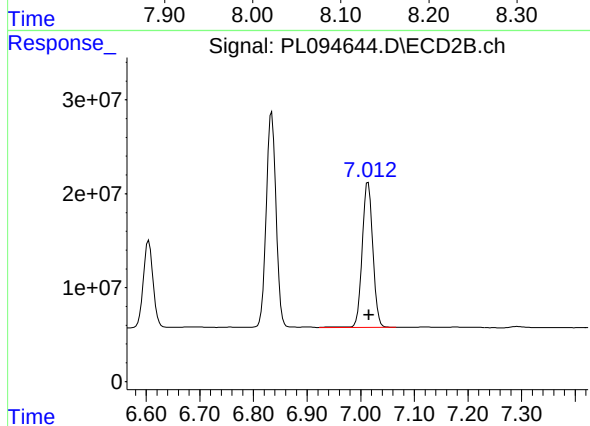
#21 Endrin ketone

R.T.: 6.834 min
Delta R.T.: -0.002 min
Response: 291747207
Conc: 61.13 ng/ml



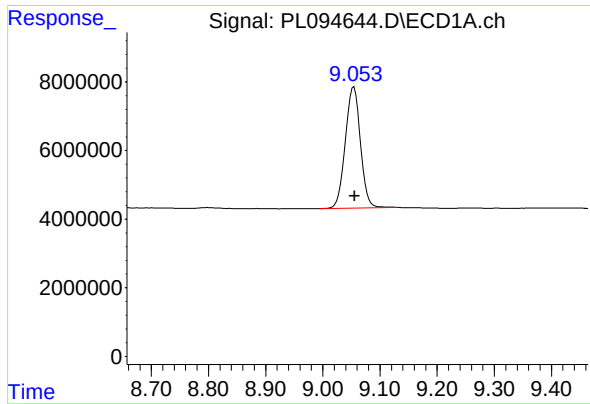
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 115582229
Conc: 55.94 ng/ml



#22 Mirex

R.T.: 7.014 min
Delta R.T.: -0.002 min
Response: 212014128
Conc: 55.86 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.054 min
Delta R.T.: -0.001 min
Response: 65347019
Conc: 31.01 ng/ml

Instrument :

ECD_L

ClientSampleId :

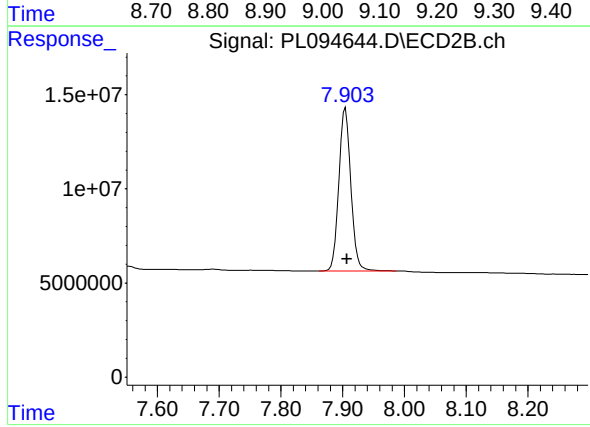
PB167091BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 03/13/2025

Supervised By :mohammad ahmed 03/28/2025



#28 Decachlorobiphenyl

R.T.: 7.904 min
Delta R.T.: -0.002 min
Response: 117104637
Conc: 28.99 ng/ml