

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
 Data File : PL095115.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Apr 2025 15:51
 Operator : AR\AJ
 Sample : PB167508BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB167508BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 04/09/2025
 Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 08 22:42:47 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...	3.535	2.768	54808619	71793155	19.362	20.114
28) SA Decachlor...	9.053	7.901	48815818	86989396	23.163	21.535
Target Compounds						
2) A alpha-BHC	3.991	3.270	183.2E6	272.1E6	44.120	50.474
3) MA gamma-BHC...	4.324	3.599	174.9E6	252.3E6	43.831	49.100
4) MA Heptachlor	4.911	3.937	169.0E6	250.3E6	43.527	47.512
5) MB Aldrin	5.253	4.216	161.4E6	228.4E6	43.707	46.844
6) B beta-BHC	4.523	3.900	80197982	111.2E6	43.463	50.039
7) B delta-BHC	4.770	4.128	184.4E6	238.5E6	47.341	47.673
8) B Heptachlo...	5.680	4.719	151.7E6	222.0E6	45.337	48.487
9) A Endosulfan I	6.066	5.087	143.4E6	181.7E6	46.704	41.394m
10) B gamma-Chl...	5.936	4.967	154.5E6	226.5E6	45.869	46.912m
11) B alpha-Chl...	6.016	5.031	152.4E6	225.2E6	46.216	47.177m
12) B 4,4'-DDE	6.189	5.219	150.4E6	226.5E6	51.129	48.732m
13) MA Dieldrin	6.341	5.351	152.1E6	228.9E6	47.554	47.170m
14) MA Endrin	6.570	5.627	131.8E6	215.9E6	47.543m	49.468m
15) B Endosulfa...	6.792	5.923	132.1E6	206.3E6	48.650	47.666
16) A 4,4'-DDD	6.708	5.776	117.4E6	184.1E6	54.221	51.204
17) MA 4,4'-DDT	7.021	6.026	125.4E6	202.5E6	52.704	50.215
18) B Endrin al...	6.922	6.103	105.1E6	161.8E6	49.781	48.088
19) B Endosulfa...	7.156	6.326	117.7E6	201.0E6	48.396	49.340
20) A Methoxychlor	7.498	6.602	66813750	111.8E6	55.814	52.720
21) B Endrin ke...	7.642	6.830	130.1E6	257.9E6	49.234	54.047m
22) Mirex	8.115	7.009	96671941	179.3E6	46.785	47.250m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL040825\
Data File : PL095115.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Apr 2025 15:51
Operator : AR\AJ
Sample : PB167508BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB167508BS

Manual Integrations

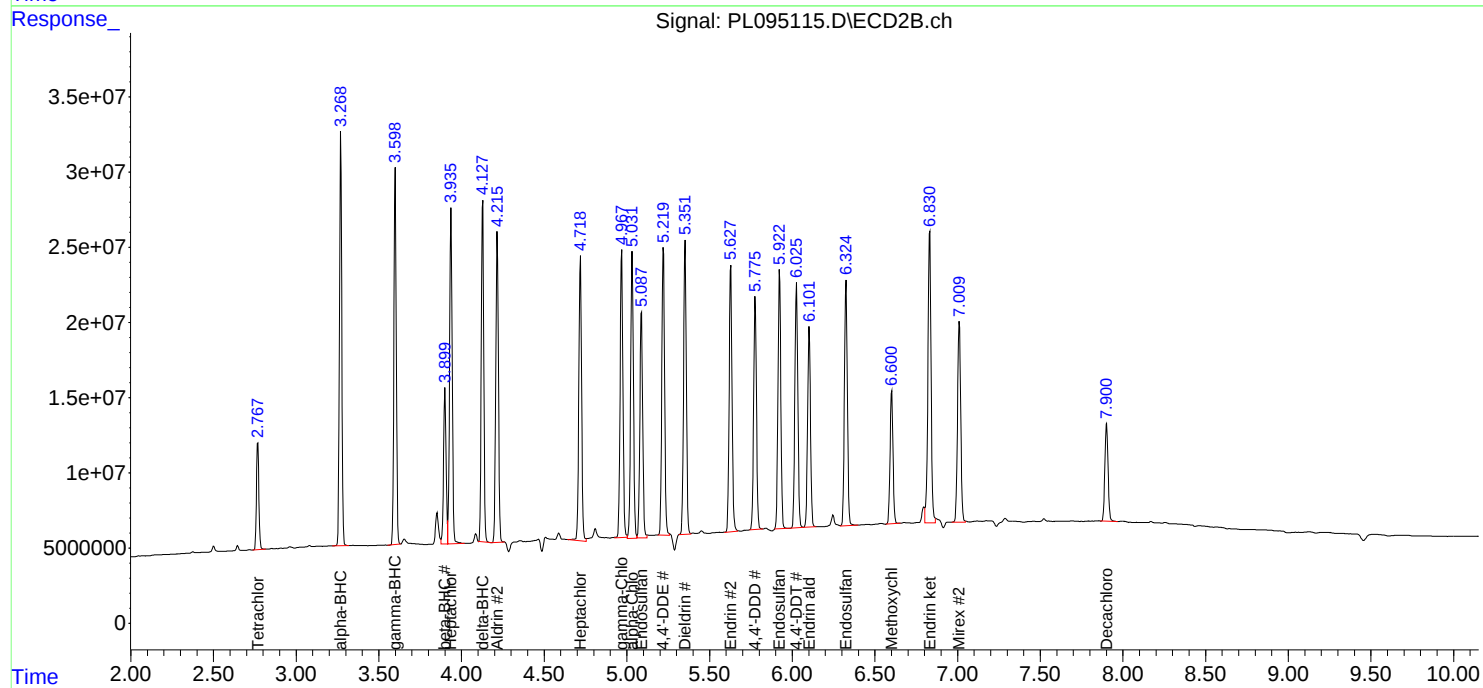
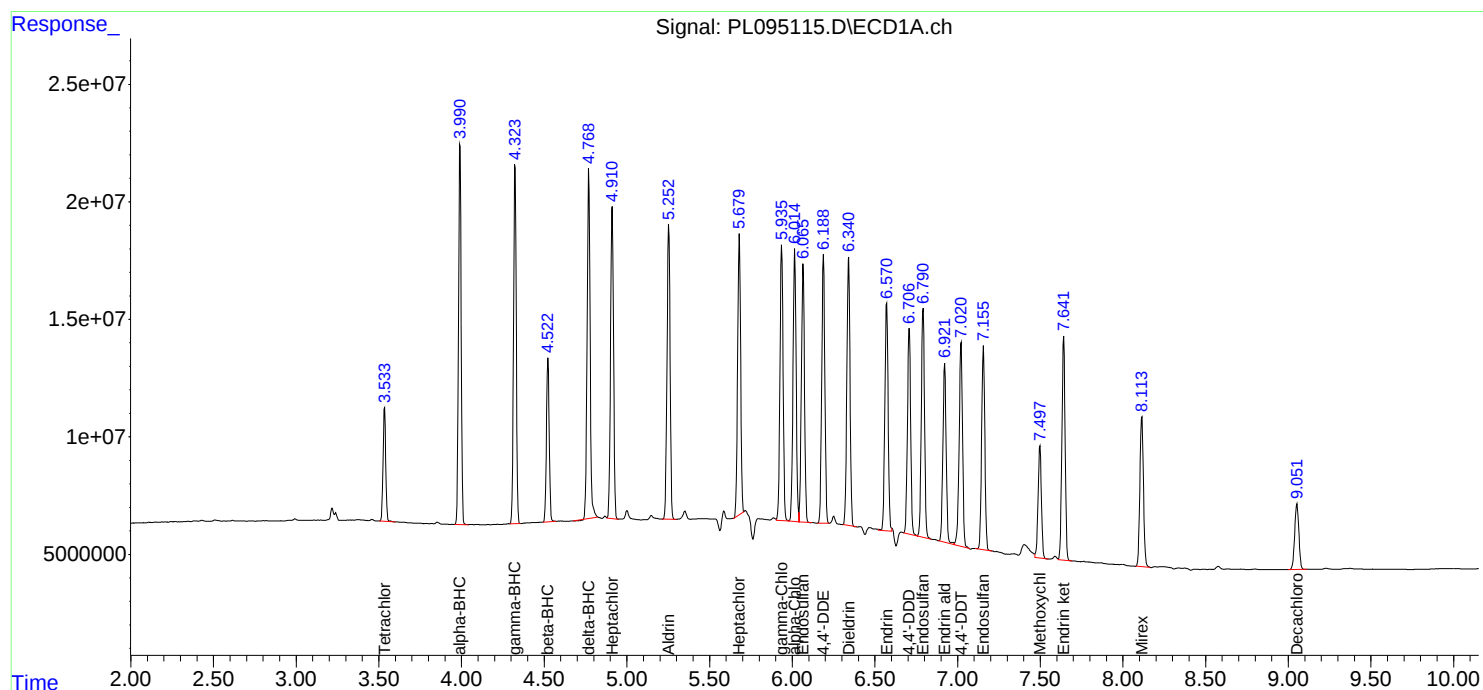
APPROVED

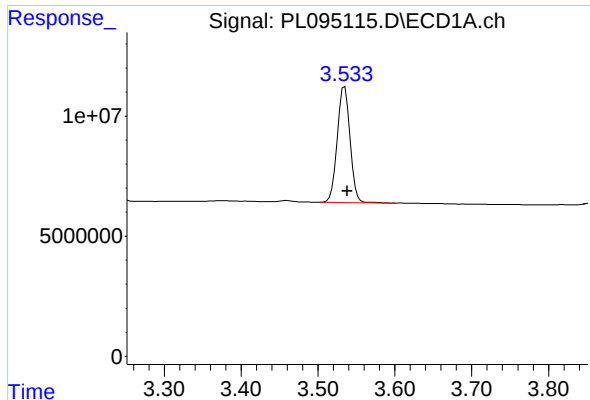
Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Apr 08 22:42:47 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





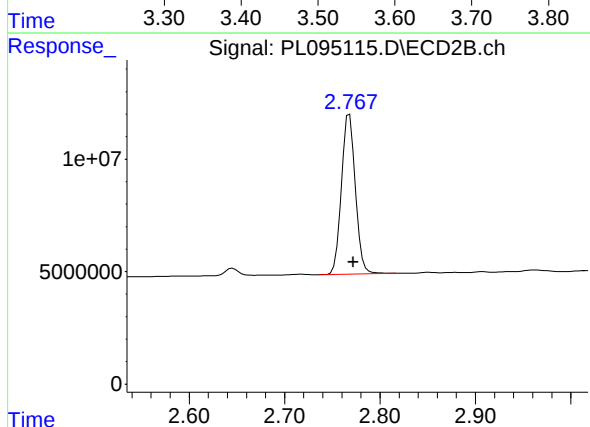
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.003 min
Response: 54808619
Conc: 19.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

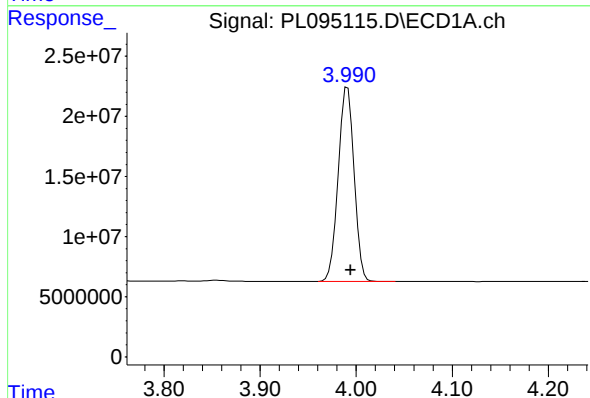
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



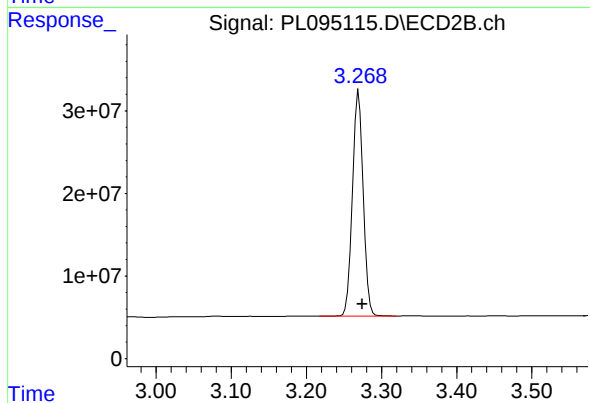
#1 Tetrachloro-m-xylene

R.T.: 2.768 min
Delta R.T.: -0.004 min
Response: 71793155
Conc: 20.11 ng/ml



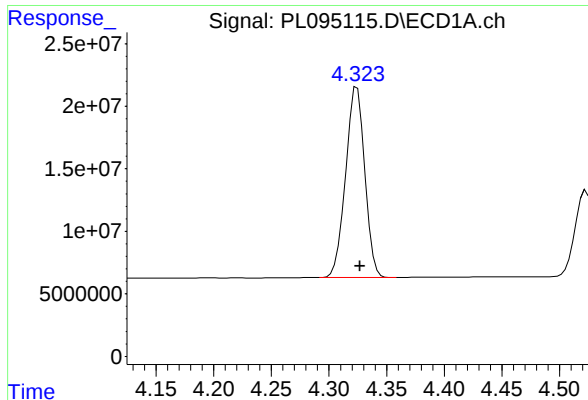
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.003 min
Response: 183199794
Conc: 44.12 ng/ml



#2 alpha-BHC

R.T.: 3.270 min
Delta R.T.: -0.005 min
Response: 272125238
Conc: 50.47 ng/ml



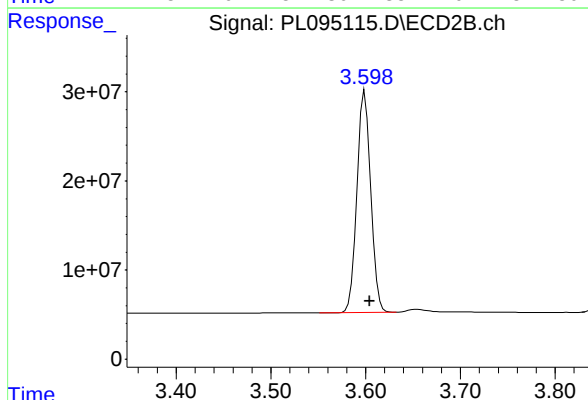
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.003 min
Response: 174898352
Conc: 43.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

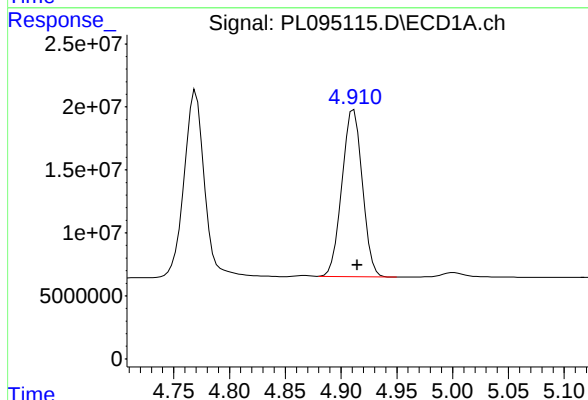
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



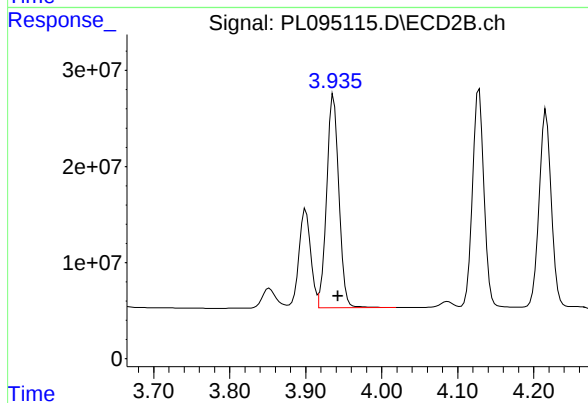
#3 gamma-BHC (Lindane)

R.T.: 3.599 min
Delta R.T.: -0.005 min
Response: 252346946
Conc: 49.10 ng/ml



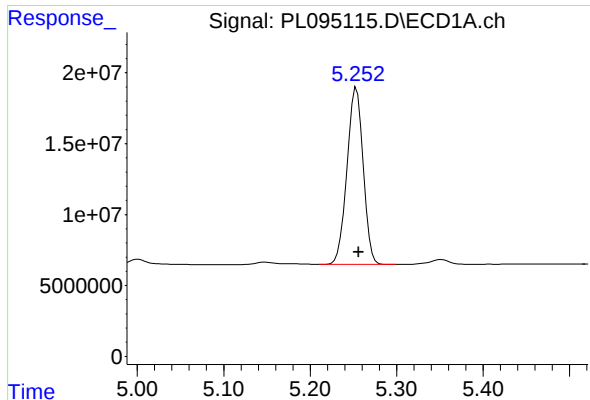
#4 Heptachlor

R.T.: 4.911 min
Delta R.T.: -0.003 min
Response: 168954721
Conc: 43.53 ng/ml



#4 Heptachlor

R.T.: 3.937 min
Delta R.T.: -0.006 min
Response: 250323328
Conc: 47.51 ng/ml



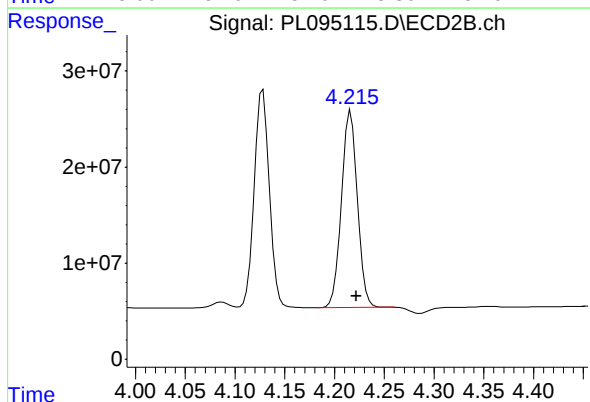
#5 Aldrin

R.T.: 5.253 min
Delta R.T.: -0.003 min
Response: 161374508
Conc: 43.71 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

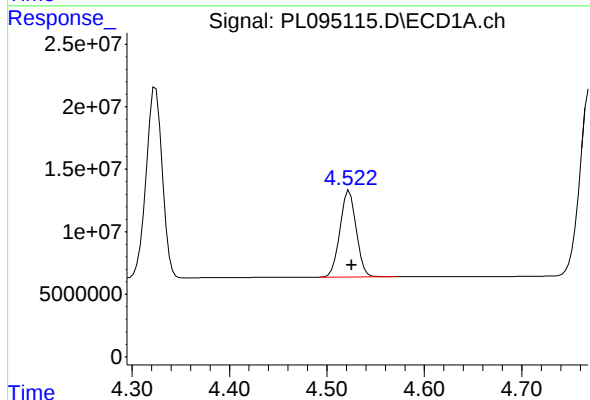
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



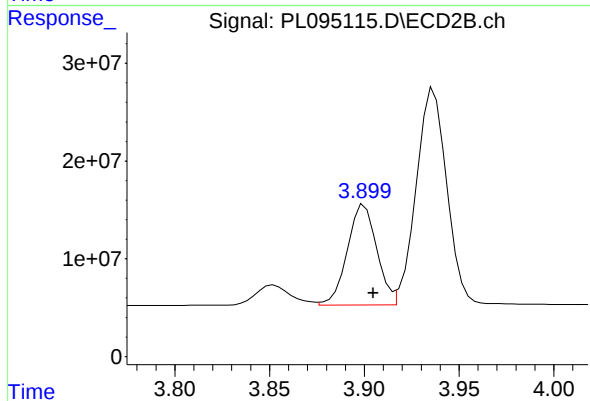
#5 Aldrin

R.T.: 4.216 min
Delta R.T.: -0.005 min
Response: 228427212
Conc: 46.84 ng/ml



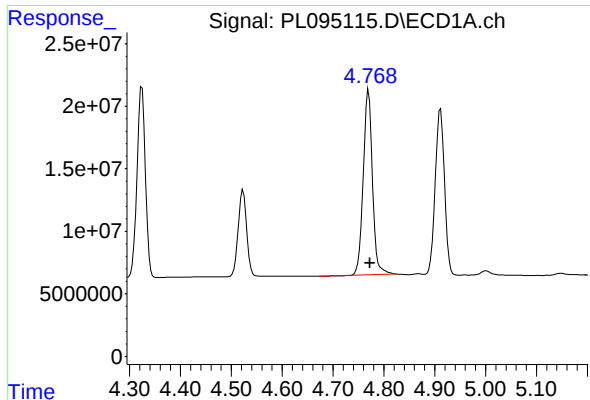
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: -0.002 min
Response: 80197982
Conc: 43.46 ng/ml



#6 beta-BHC

R.T.: 3.900 min
Delta R.T.: -0.005 min
Response: 111150479
Conc: 50.04 ng/ml



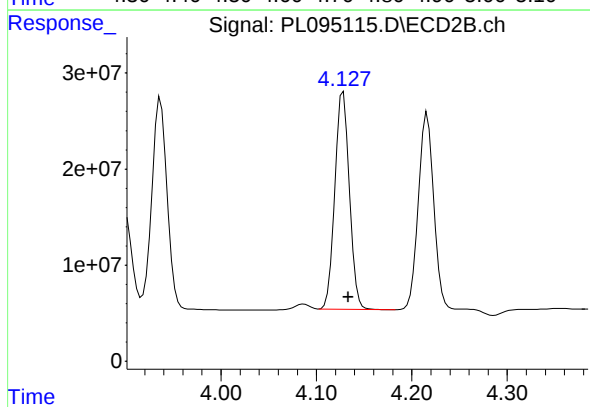
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: -0.003 min
Response: 184360090
Conc: 47.34 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

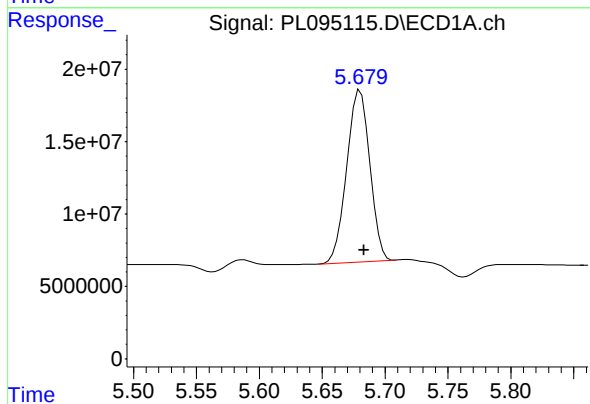
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



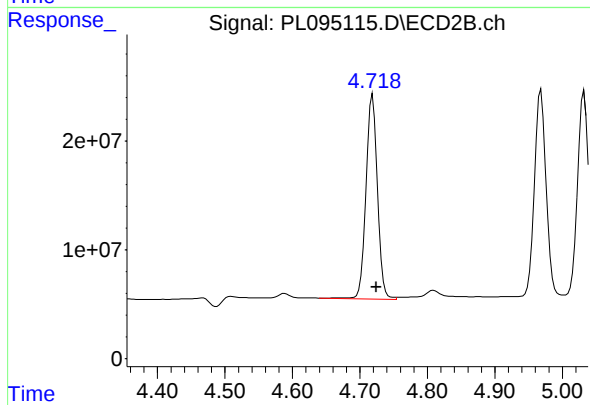
#7 delta-BHC

R.T.: 4.128 min
Delta R.T.: -0.005 min
Response: 238458711
Conc: 47.67 ng/ml



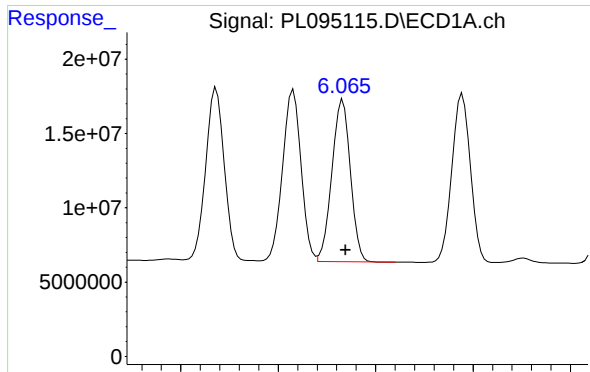
#8 Heptachlor epoxide

R.T.: 5.680 min
Delta R.T.: -0.003 min
Response: 151659663
Conc: 45.34 ng/ml



#8 Heptachlor epoxide

R.T.: 4.719 min
Delta R.T.: -0.006 min
Response: 222004003
Conc: 48.49 ng/ml



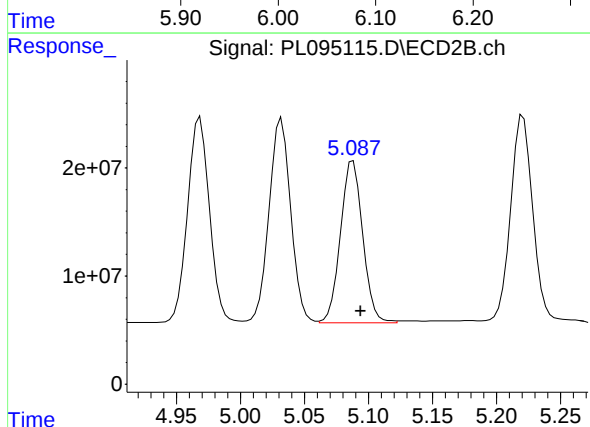
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 143391461
Conc: 46.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

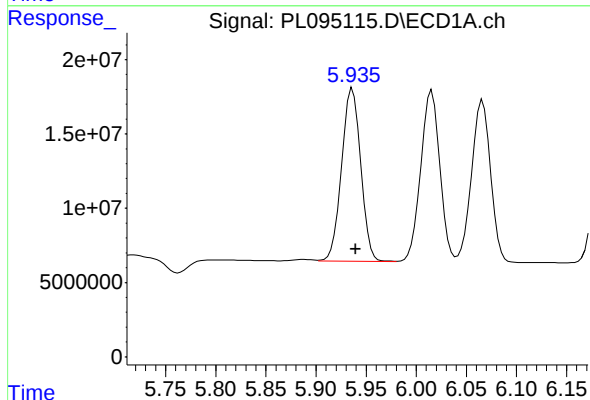
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



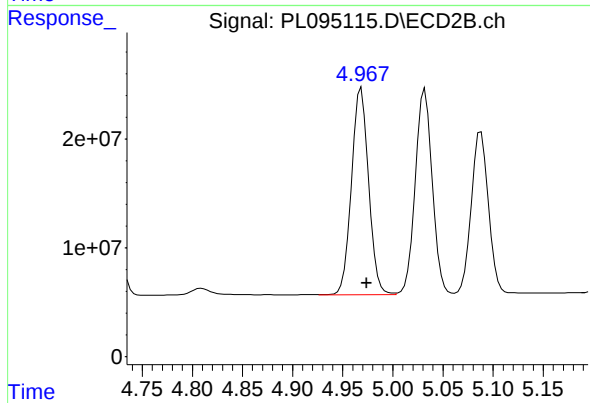
#9 Endosulfan I

R.T.: 5.087 min
Delta R.T.: -0.007 min
Response: 181666018
Conc: 41.39 ng/ml m



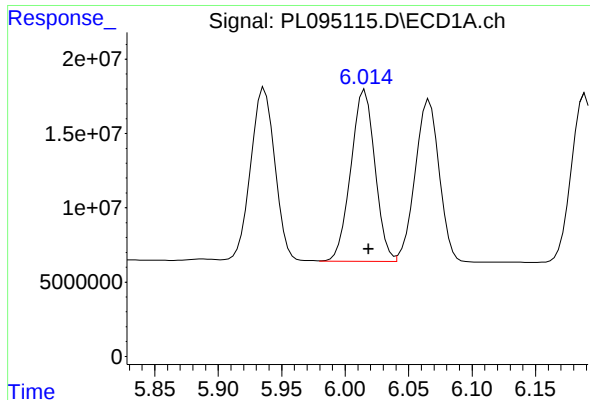
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.003 min
Response: 154549507
Conc: 45.87 ng/ml



#10 gamma-Chlordane

R.T.: 4.967 min
Delta R.T.: -0.007 min
Response: 226510196
Conc: 46.91 ng/ml m



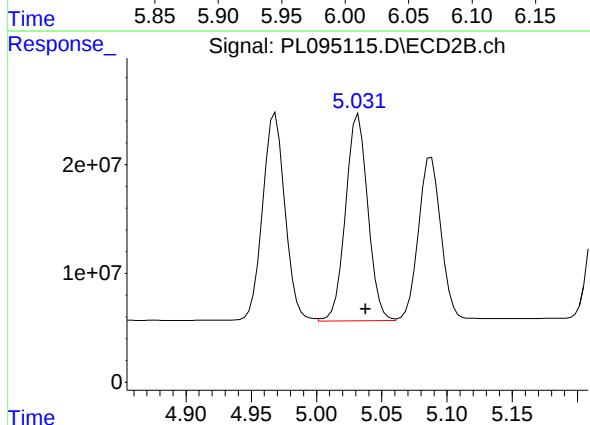
#11 alpha-Chlordane

R.T.: 6.016 min
Delta R.T.: -0.003 min
Response: 152365230
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

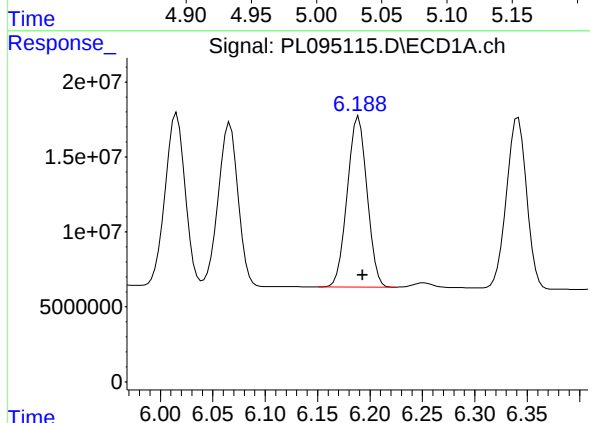
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



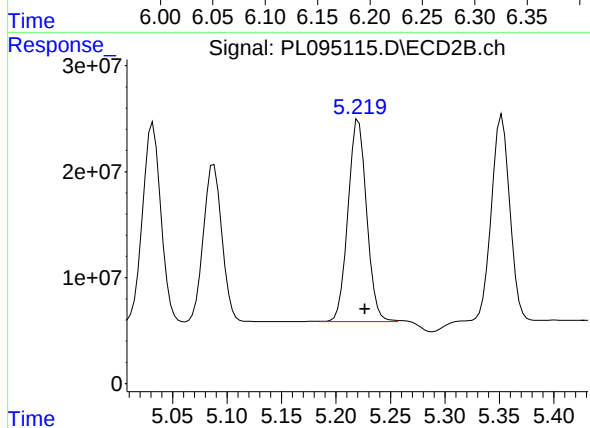
#11 alpha-Chlordane

R.T.: 5.031 min
Delta R.T.: -0.007 min
Response: 225164789
Conc: 47.18 ng/ml



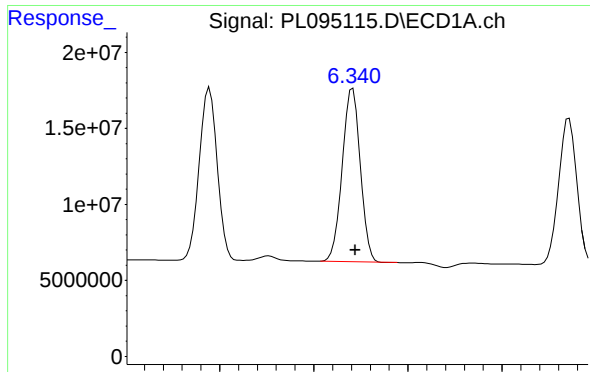
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.004 min
Response: 150424739
Conc: 51.13 ng/ml



#12 4,4'-DDE

R.T.: 5.219 min
Delta R.T.: -0.007 min
Response: 226532694
Conc: 48.73 ng/ml



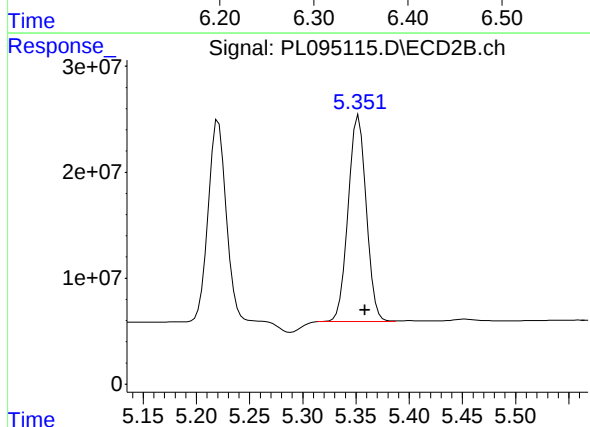
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.003 min
Response: 152082957
Conc: 47.55 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

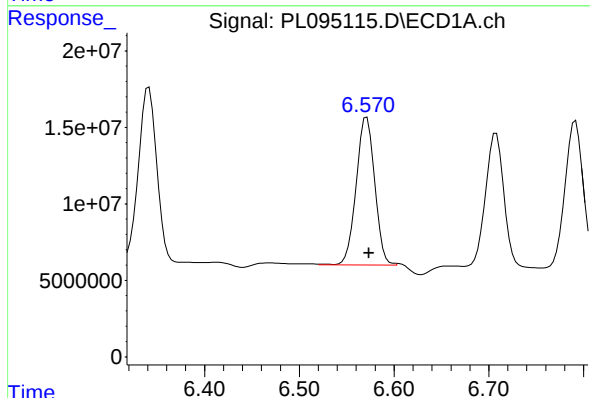
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



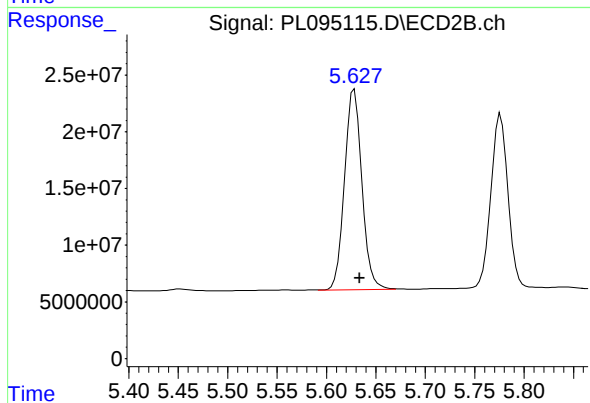
#13 Dieldrin

R.T.: 5.351 min
Delta R.T.: -0.007 min
Response: 228859018
Conc: 47.17 ng/ml



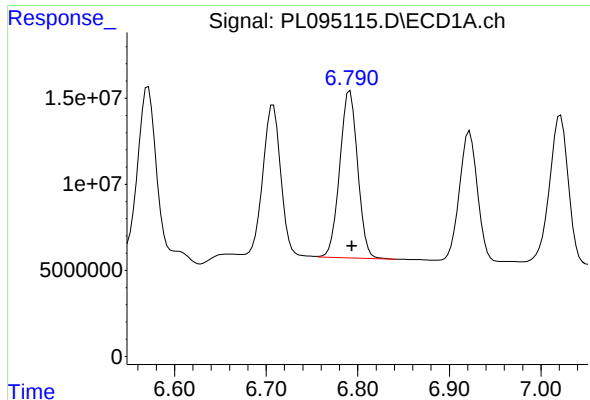
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.004 min
Response: 131793849
Conc: 47.54 ng/ml



#14 Endrin

R.T.: 5.627 min
Delta R.T.: -0.007 min
Response: 215859369
Conc: 49.47 ng/ml



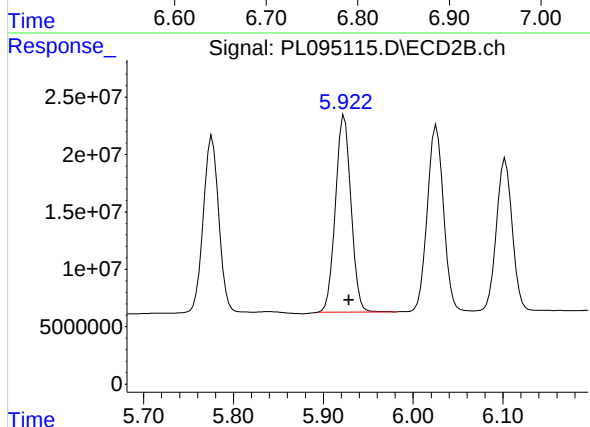
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: -0.002 min
Response: 132071647
Conc: 48.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

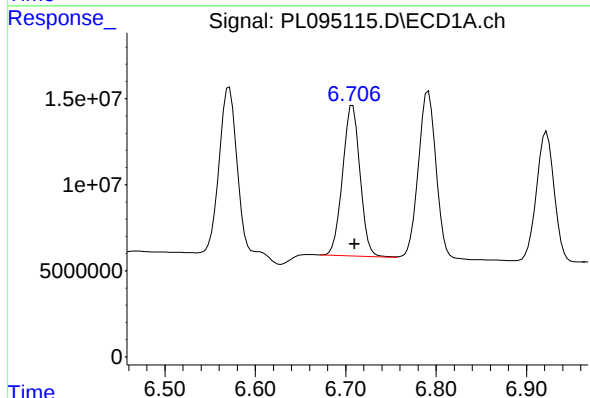
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



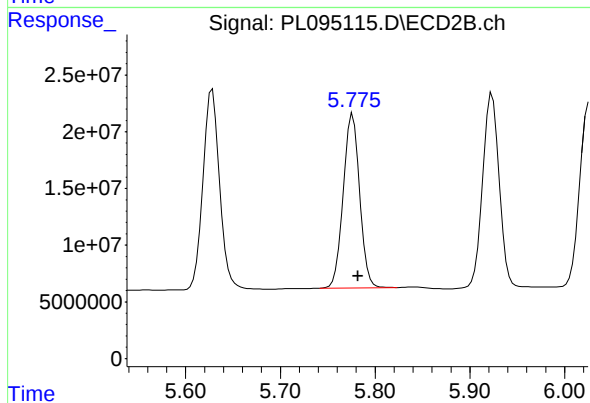
#15 Endosulfan II

R.T.: 5.923 min
Delta R.T.: -0.005 min
Response: 206310051
Conc: 47.67 ng/ml



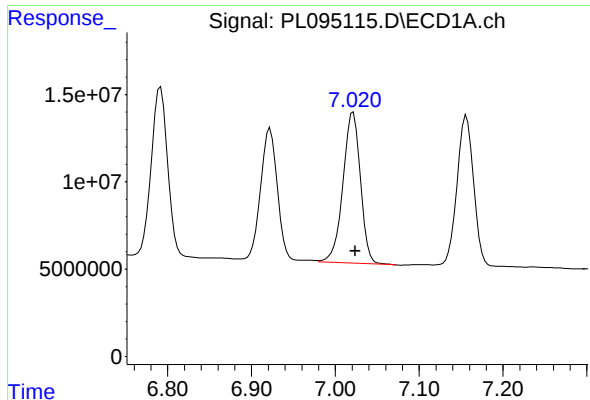
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: -0.002 min
Response: 117445443
Conc: 54.22 ng/ml



#16 4,4'-DDD

R.T.: 5.776 min
Delta R.T.: -0.006 min
Response: 184124447
Conc: 51.20 ng/ml



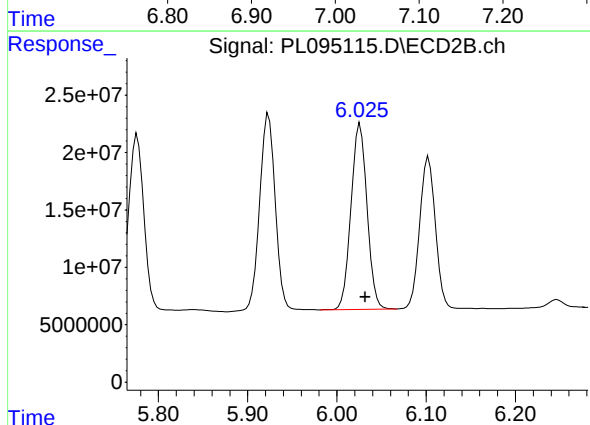
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 125359564
Conc: 52.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

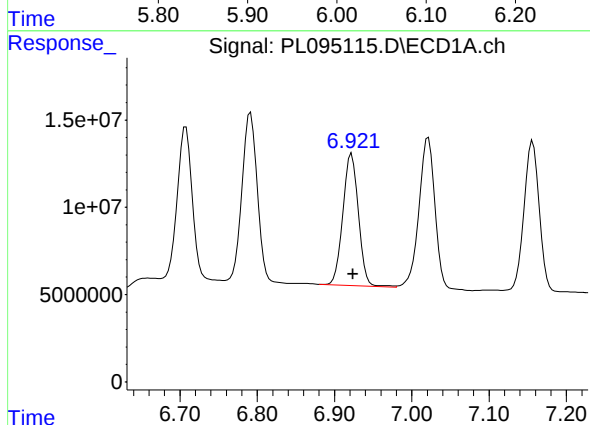
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



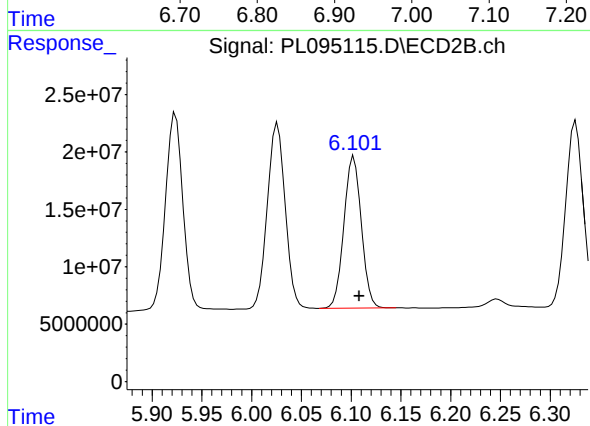
#17 4,4'-DDT

R.T.: 6.026 min
Delta R.T.: -0.006 min
Response: 202472472
Conc: 50.22 ng/ml



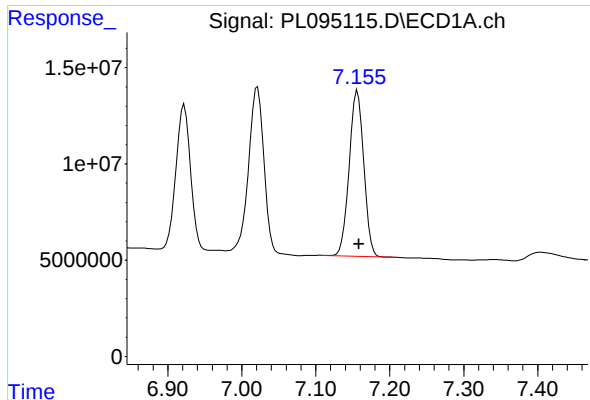
#18 Endrin aldehyde

R.T.: 6.922 min
Delta R.T.: -0.002 min
Response: 105087880
Conc: 49.78 ng/ml



#18 Endrin aldehyde

R.T.: 6.103 min
Delta R.T.: -0.005 min
Response: 161832872
Conc: 48.09 ng/ml



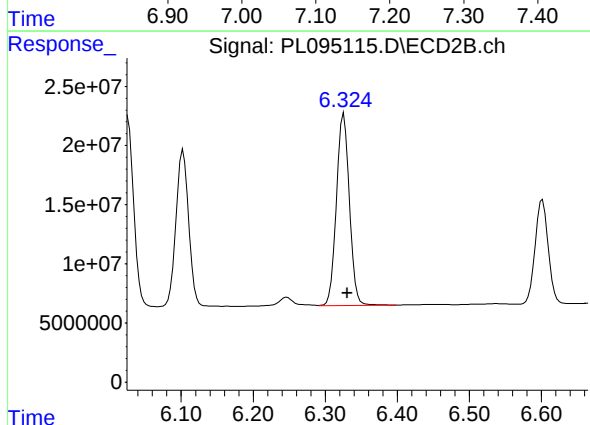
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: -0.002 min
Response: 117700080
Conc: 48.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

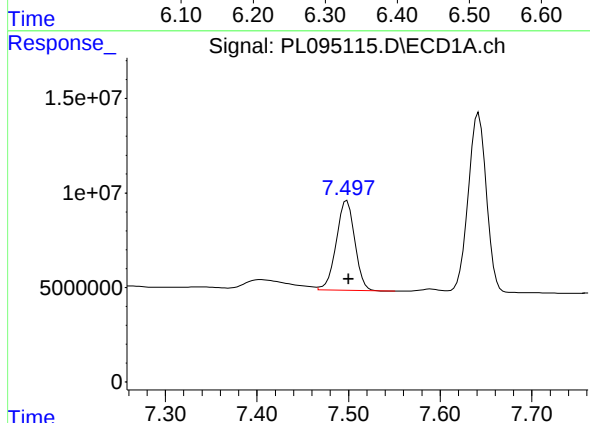
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



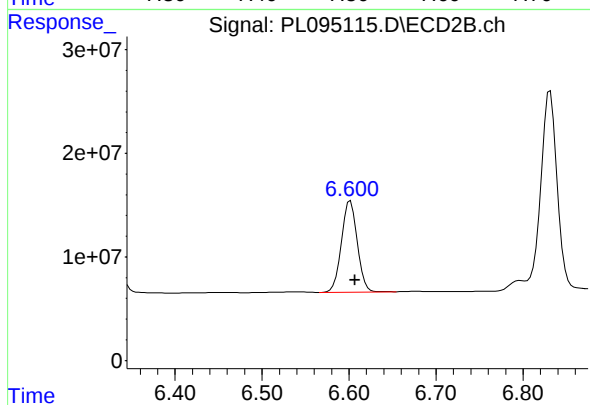
#19 Endosulfan Sulfate

R.T.: 6.326 min
Delta R.T.: -0.005 min
Response: 200984210
Conc: 49.34 ng/ml



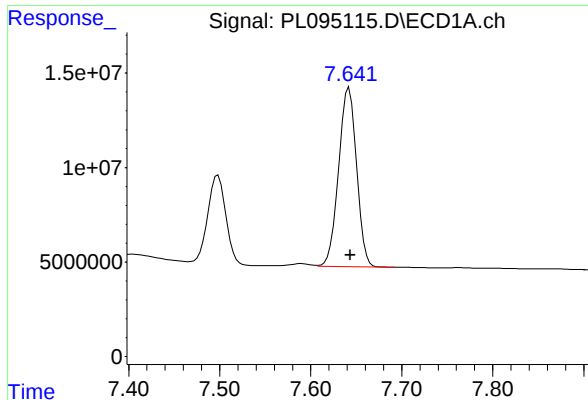
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: -0.002 min
Response: 66813750
Conc: 55.81 ng/ml



#20 Methoxychlor

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 111823103
Conc: 52.72 ng/ml



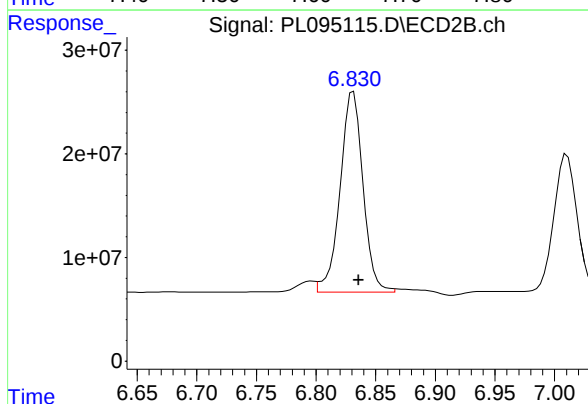
#21 Endrin ketone

R.T.: 7.642 min
Delta R.T.: -0.002 min
Response: 130137935
Conc: 49.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB167508BS

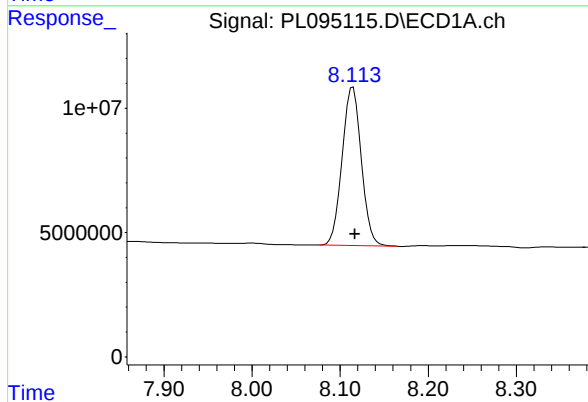
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 04/09/2025
Supervised By :mohammad ahmed 04/10/2025



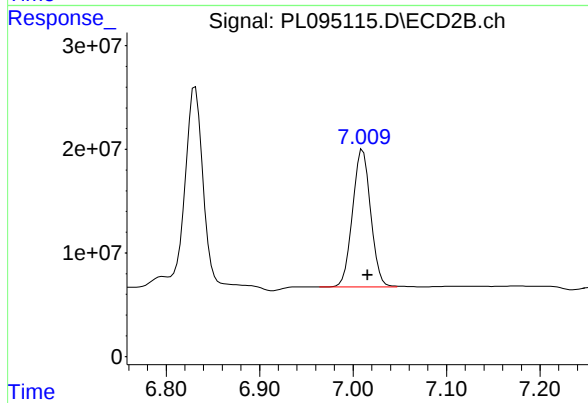
#21 Endrin ketone

R.T.: 6.830 min
Delta R.T.: -0.006 min
Response: 257943005
Conc: 54.05 ng/ml m



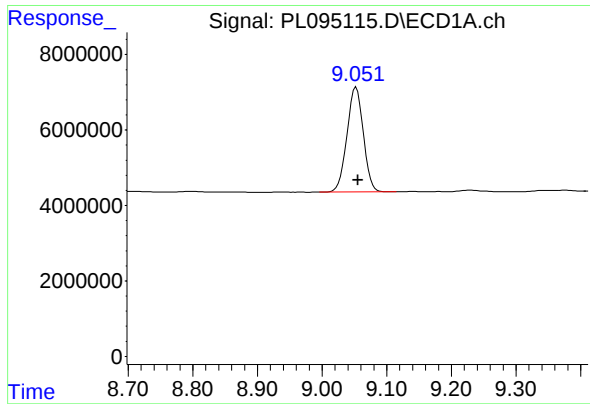
#22 Mirex

R.T.: 8.115 min
Delta R.T.: -0.002 min
Response: 96671941
Conc: 46.79 ng/ml



#22 Mirex

R.T.: 7.009 min
Delta R.T.: -0.007 min
Response: 179328502
Conc: 47.25 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.053 min
Delta R.T.: -0.003 min
Response: 48815818
Conc: 23.16 ng/ml

Instrument :

ECD_L

ClientSampleId :

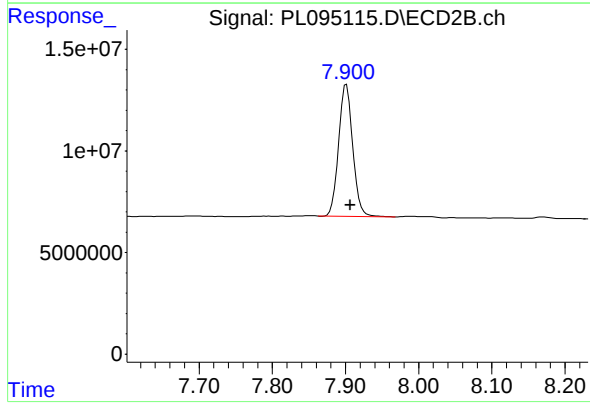
PB167508BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 04/09/2025

Supervised By :mohammad ahmed 04/10/2025



#28 Decachlorobiphenyl

R.T.: 7.901 min
Delta R.T.: -0.006 min
Response: 86989396
Conc: 21.54 ng/ml