

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090925\
 Data File : PD090215.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Sep 2025 14:52
 Operator : AR\AJ
 Sample : PB169592BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169592BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/10/2025
 Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 10 06:47:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.557	2.877	72986291	549.8E6	24.869	24.934
28)	SA Decachlor...	9.079	8.066	104.4E6	629.8E6	24.194	24.331
Target Compounds							
2)	A alpha-BHC	4.006	3.389	303.2E6	1716.1E6	50.506	50.566
3)	MA gamma-BHC...	4.336	3.725	285.0E6	1584.9E6	49.773m	50.847
4)	MA Heptachlor	4.935	4.078	268.0E6	1480.3E6	47.786	47.459
5)	MB Aldrin	5.275	4.363	280.0E6	1564.8E6	51.711m	51.379
6)	B beta-BHC	4.524	4.021	109.7E6	673.6E6	48.925	50.535
7)	B delta-BHC	4.772	4.257	239.2E6	1362.3E6	46.196	43.181
8)	B Heptachlo...	5.697	4.867	248.7E6	1416.2E6	50.675	51.137
9)	A Endosulfan I	6.080	5.241	235.7E6	1347.7E6	51.076	51.395
10)	B gamma-Chl...	5.952	5.120	251.0E6	1537.1E6	51.328	51.910
11)	B alpha-Chl...	6.033	5.184	250.6E6	1467.5E6	50.917	51.423
12)	B 4,4'-DDE	6.202	5.369	227.9E6	1494.8E6	51.922	51.861
13)	MA Dieldrin	6.351	5.507	252.5E6	1517.5E6	51.579m	51.815
14)	MA Endrin	6.579	5.784	167.5E6	1124.8E6	40.432m	42.236
15)	B Endosulfa...	6.793	6.075	212.7E6	1315.5E6	50.418	52.007
16)	A 4,4'-DDD	6.712	5.924	188.4E6	1344.8E6	54.463	55.932
17)	MA 4,4'-DDT	7.026	6.177	143.2E6	1077.7E6	37.594m	42.988
18)	B Endrin al...	6.920	6.253	160.8E6	1003.2E6	56.092m	58.257
19)	B Endosulfa...	7.155	6.477	191.7E6	1220.1E6	48.934m	50.044
20)	A Methoxychlor	7.499	6.748	76030414	521.9E6	37.909	40.472
21)	B Endrin ke...	7.637	6.986	226.6E6	1508.8E6	54.675	56.626
22)	Mirex	8.119	7.179	146.2E6	1027.1E6	46.357	49.723

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090925\
Data File : PD090215.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Sep 2025 14:52
Operator : AR\AJ
Sample : PB169592BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169592BS

Manual Integrations

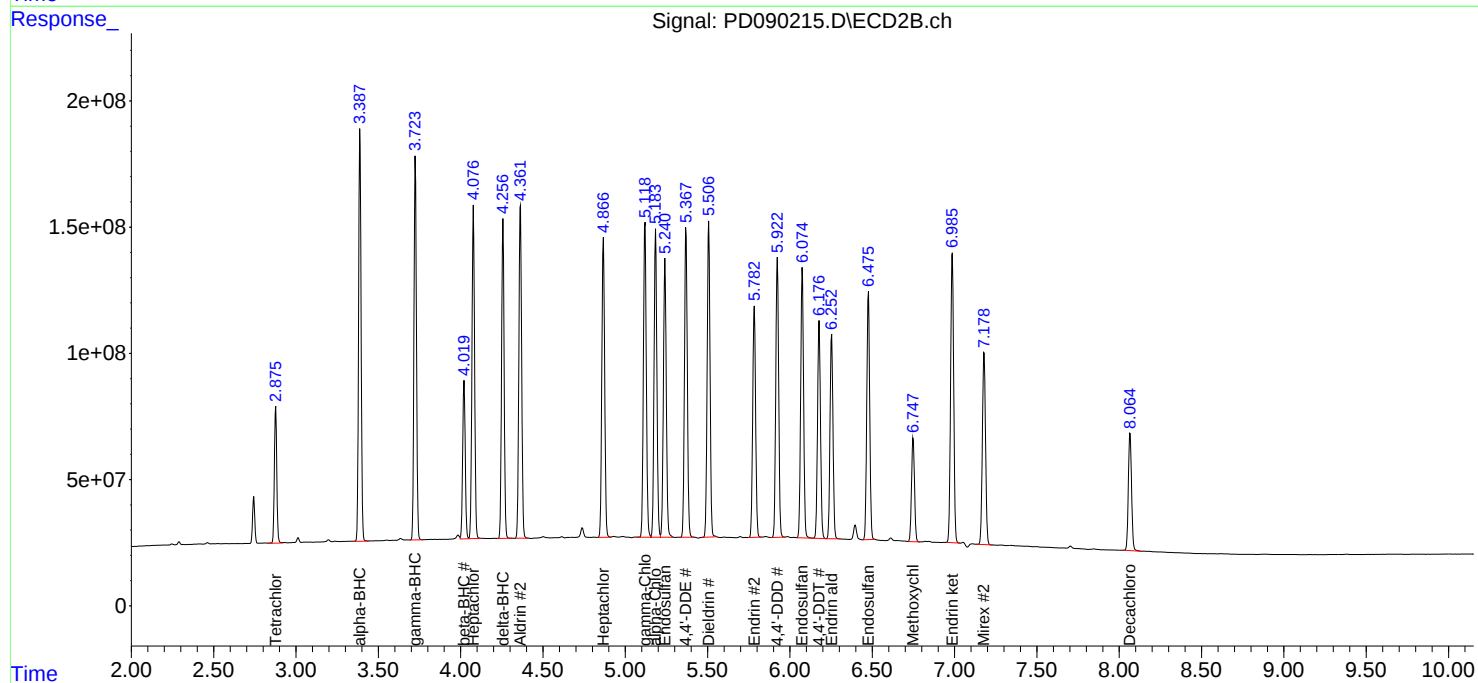
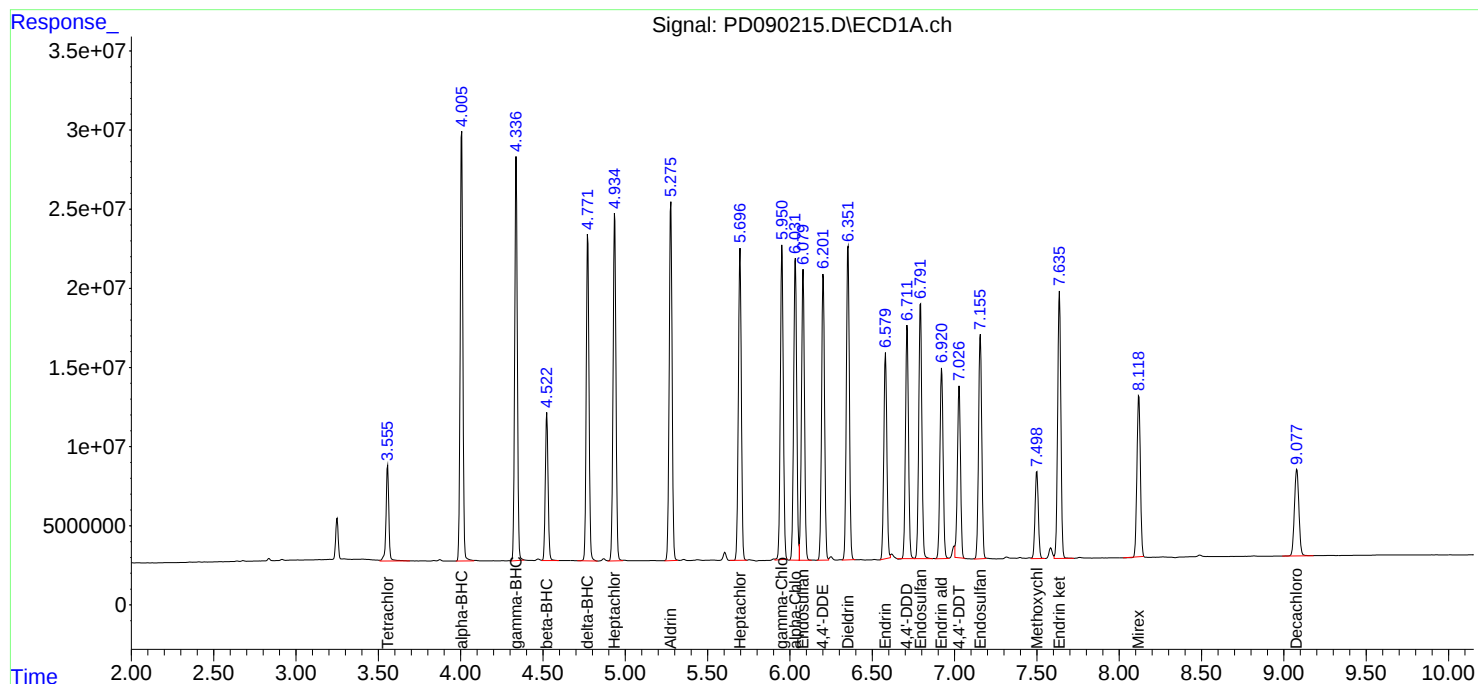
APPROVED

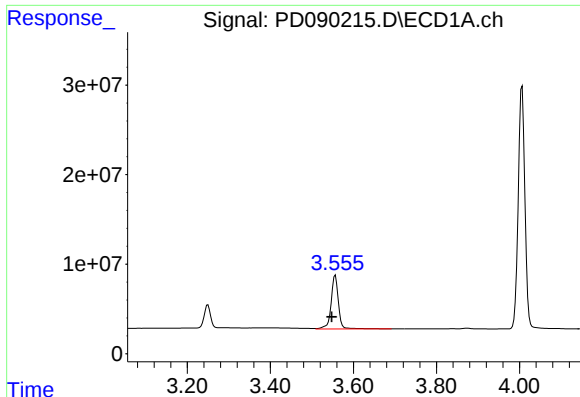
Reviewed By :Abdul Mirza 09/10/2025

Supervised By :mohammad ahmed 09/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 10 06:47:14 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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 x 0.25µm





#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.009 min
Response: 72986291
Conc: 24.87 ng/ml

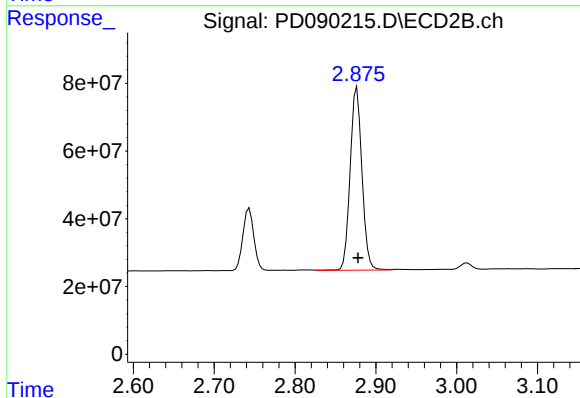
Instrument :

ECD_D

ClientSampleId :
PB169592BS

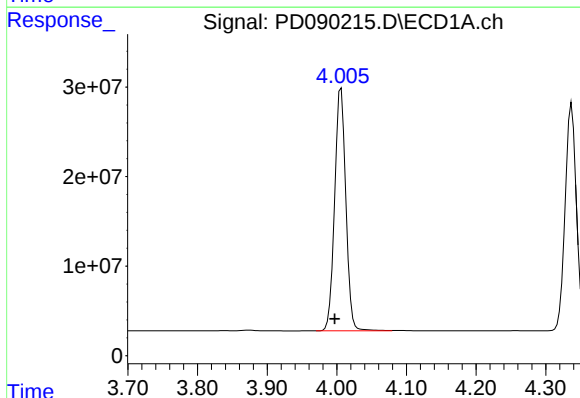
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



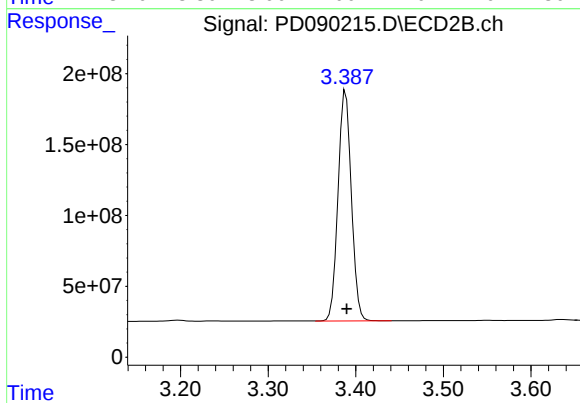
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 549798080
Conc: 24.93 ng/ml



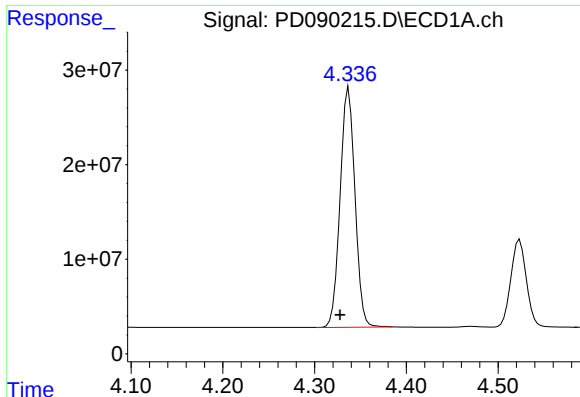
#2 alpha-BHC

R.T.: 4.006 min
Delta R.T.: 0.009 min
Response: 303150180
Conc: 50.51 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1716139317
Conc: 50.57 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.008 min
Response: 285042984
Conc: 49.77 ng/ml

Instrument :

ECD_D

ClientSampleId :

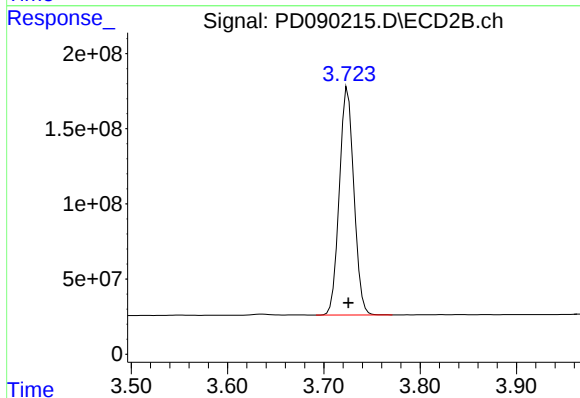
PB169592BS

Manual Integrations

APPROVED

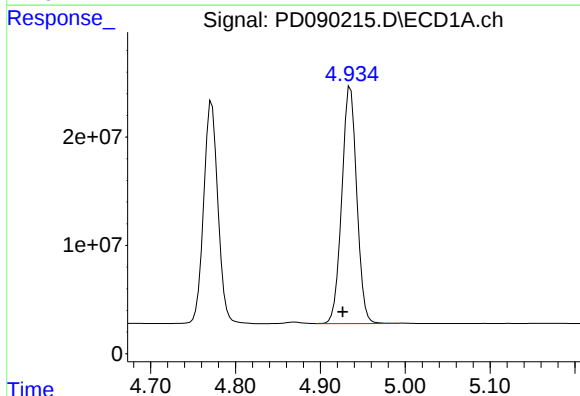
Reviewed By :Abdul Mirza 09/10/2025

Supervised By :mohammad ahmed 09/11/2025



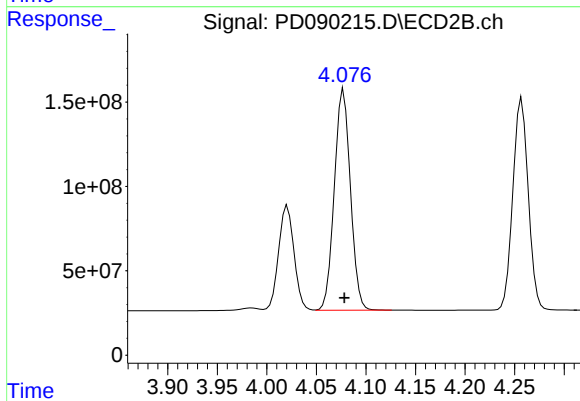
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1584928702
Conc: 50.85 ng/ml



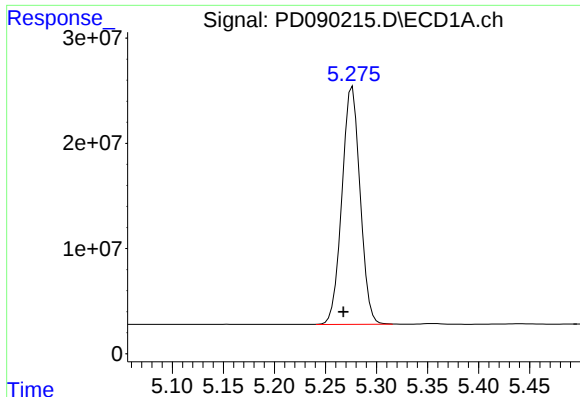
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.009 min
Response: 268040716
Conc: 47.79 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1480324257
Conc: 47.46 ng/ml



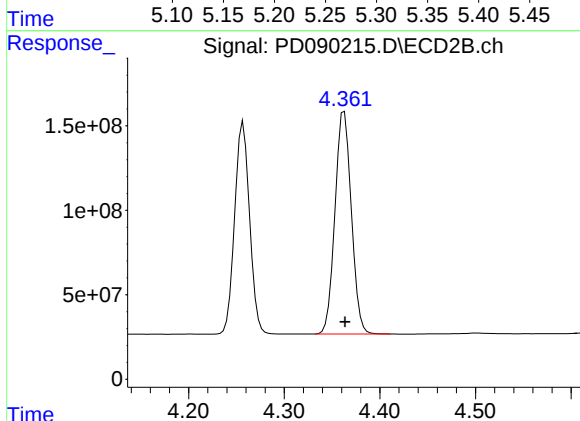
#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.008 min
Response: 279989260
Conc: 51.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

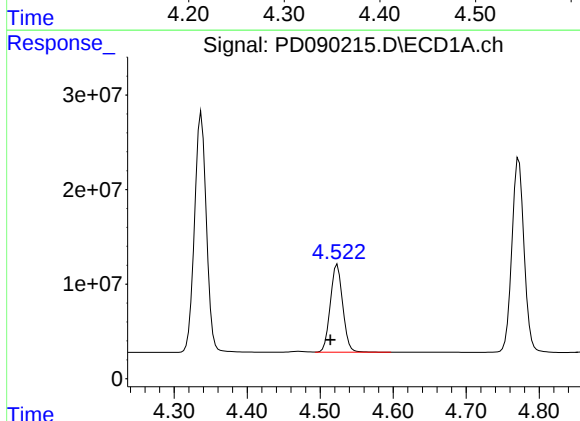
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



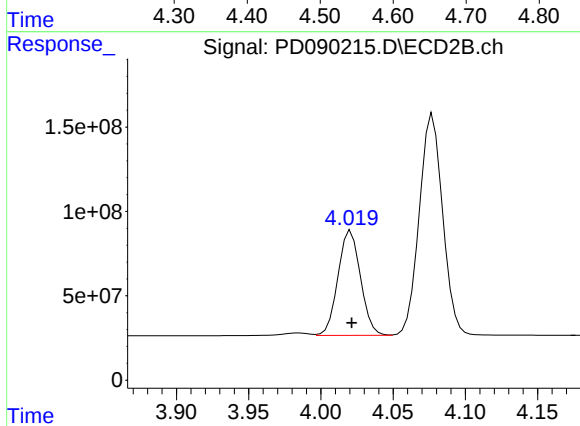
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: -0.001 min
Response: 1564772121
Conc: 51.38 ng/ml



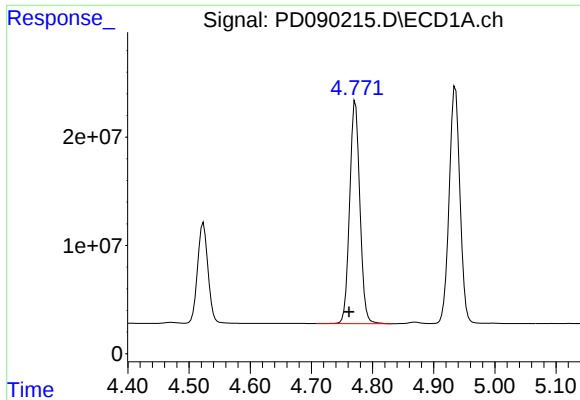
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.010 min
Response: 109740560
Conc: 48.93 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 673637763
Conc: 50.53 ng/ml



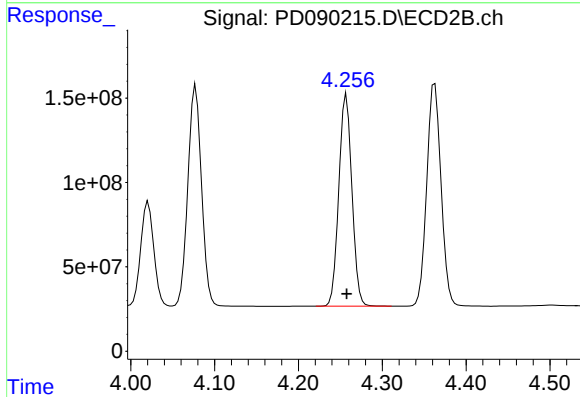
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.010 min
Response: 239190975
Conc: 46.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

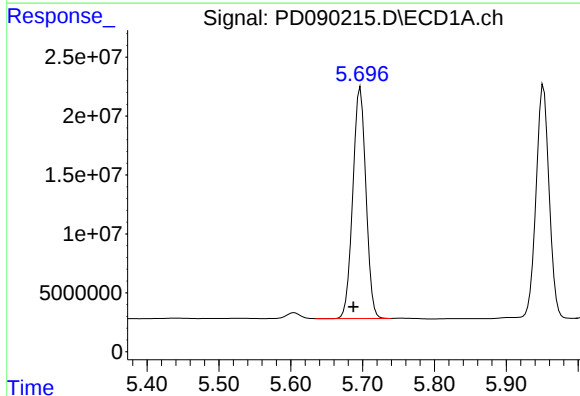
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



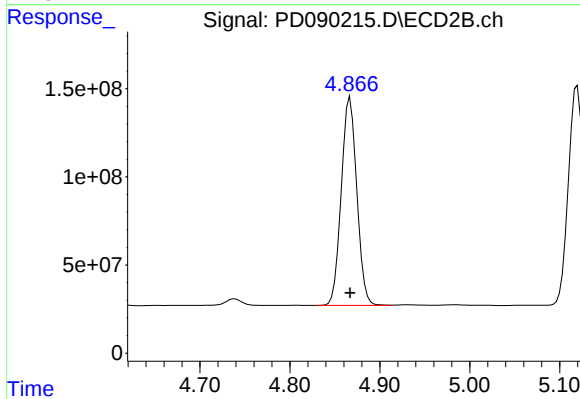
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1362337982
Conc: 43.18 ng/ml



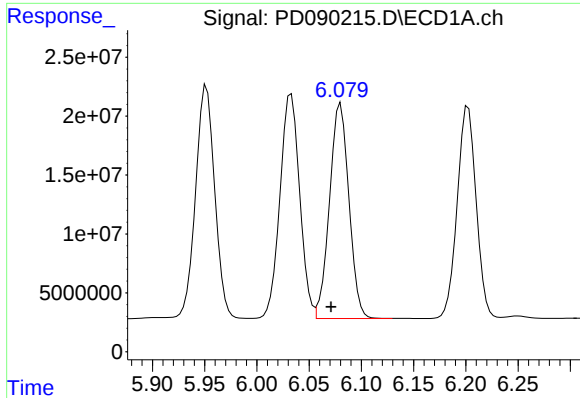
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.010 min
Response: 248654008
Conc: 50.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1416227249
Conc: 51.14 ng/ml



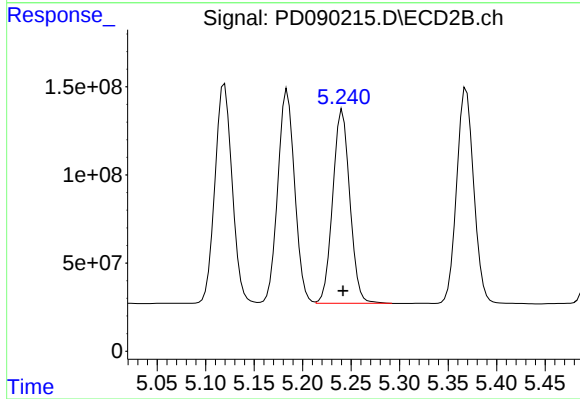
#9 Endosulfan I

R.T.: 6.080 min
Delta R.T.: 0.009 min
Response: 235707535
Conc: 51.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

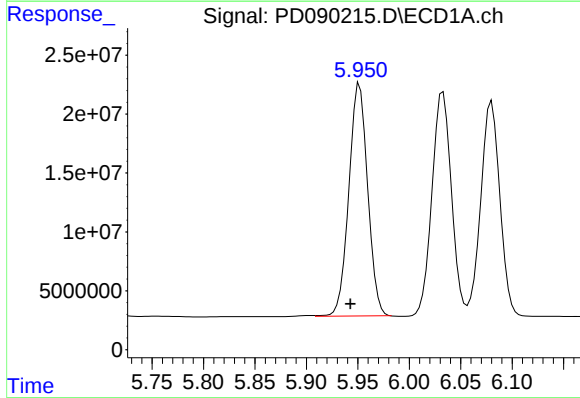
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



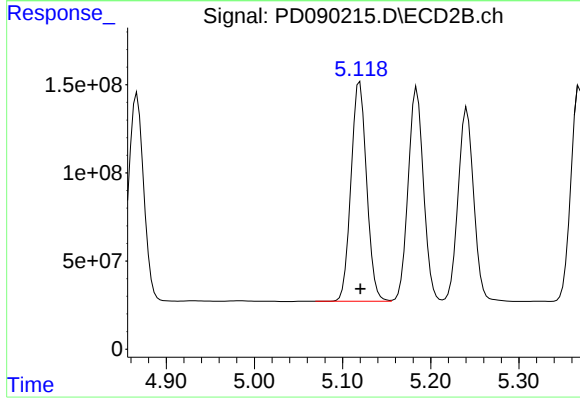
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1347661271
Conc: 51.39 ng/ml



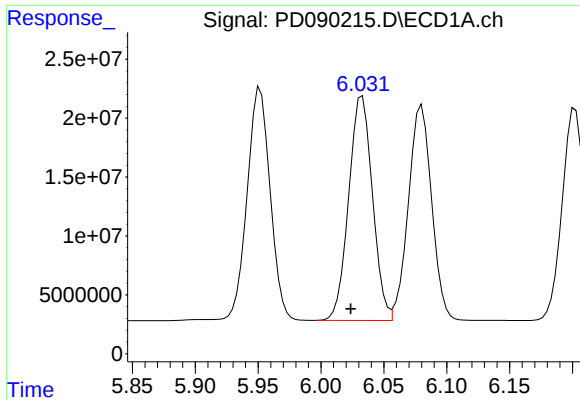
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.009 min
Response: 251042188
Conc: 51.33 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1537133875
Conc: 51.91 ng/ml



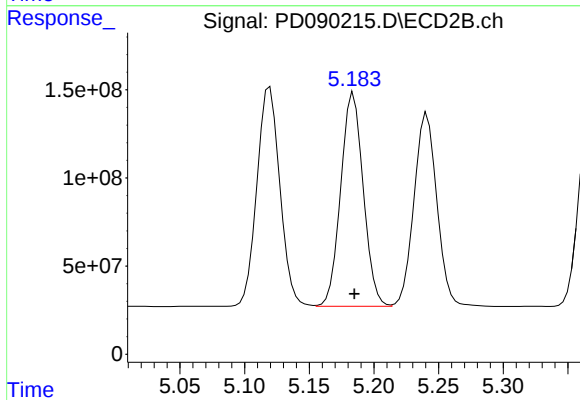
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.009 min
Response: 250636397
Conc: 50.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

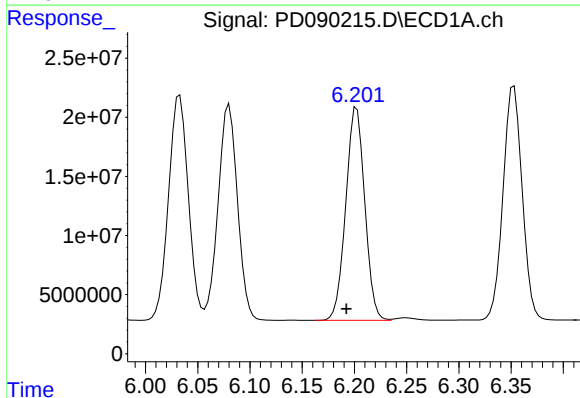
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



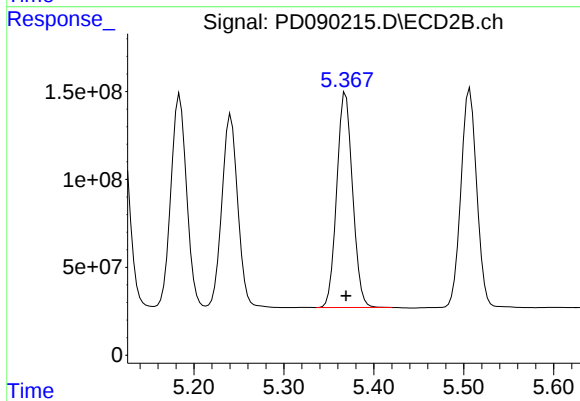
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1467511178
Conc: 51.42 ng/ml



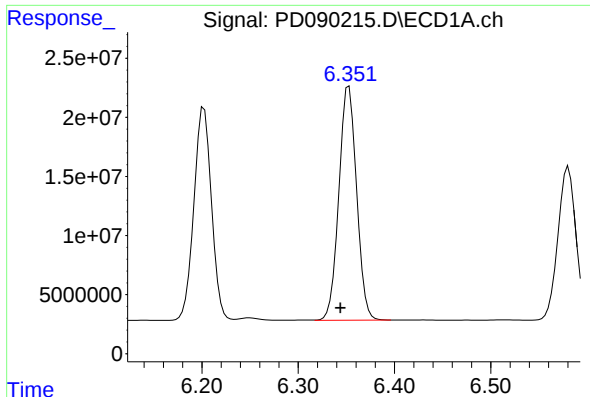
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.010 min
Response: 227850988
Conc: 51.92 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1494776878
Conc: 51.86 ng/ml



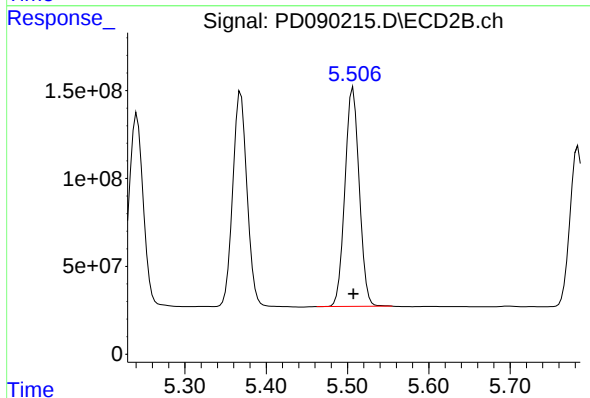
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.007 min
Response: 252517561
Conc: 51.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

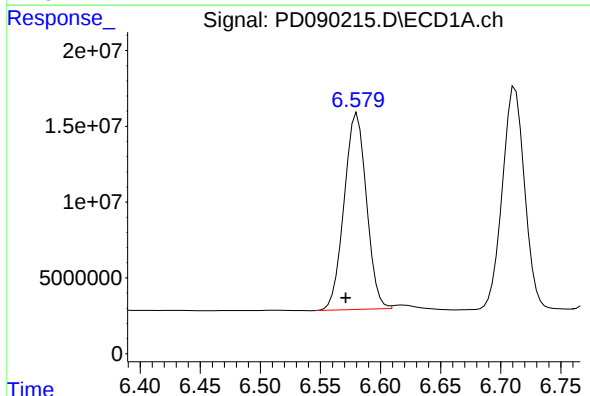
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



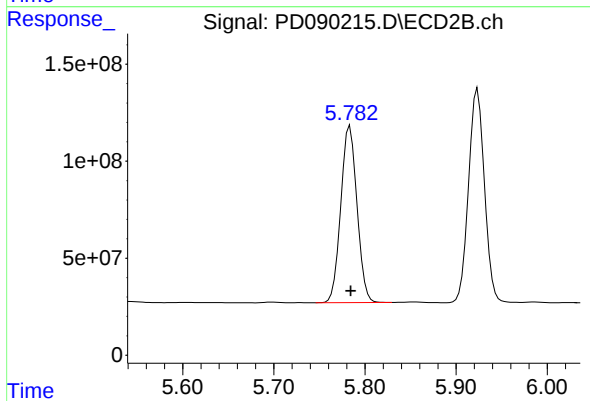
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1517509354
Conc: 51.81 ng/ml



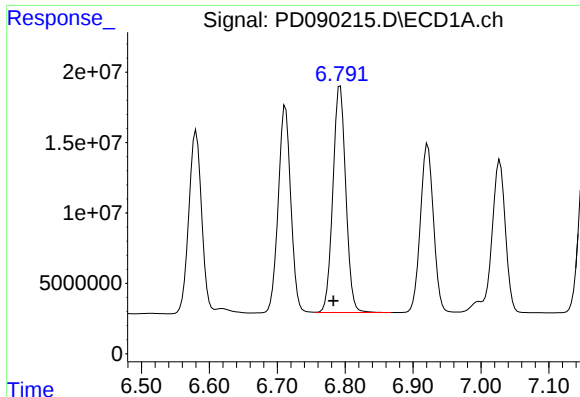
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.008 min
Response: 167533078
Conc: 40.43 ng/ml m



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1124826970
Conc: 42.24 ng/ml



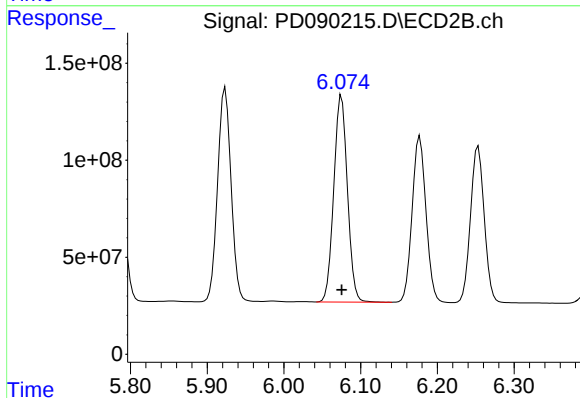
#15 Endosulfan II

R.T.: 6.793 min
Delta R.T.: 0.010 min
Response: 212747971
Conc: 50.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

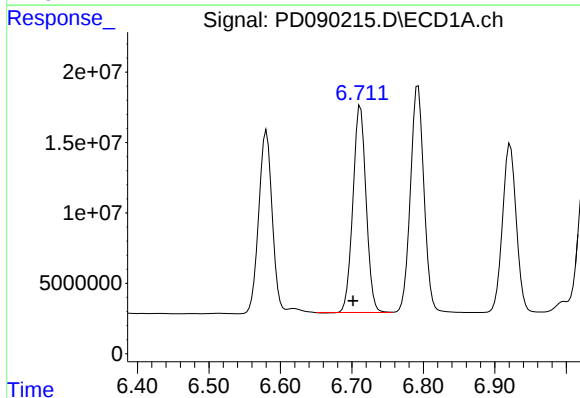
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



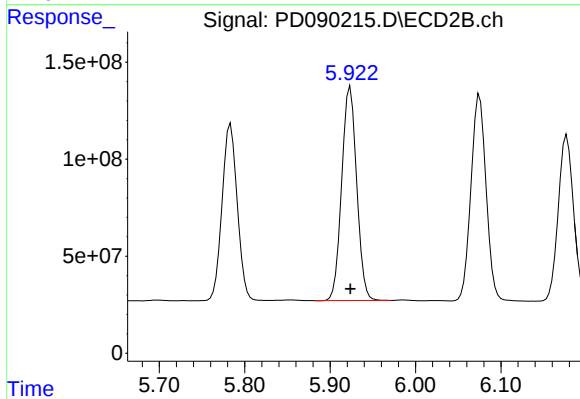
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1315490654
Conc: 52.01 ng/ml



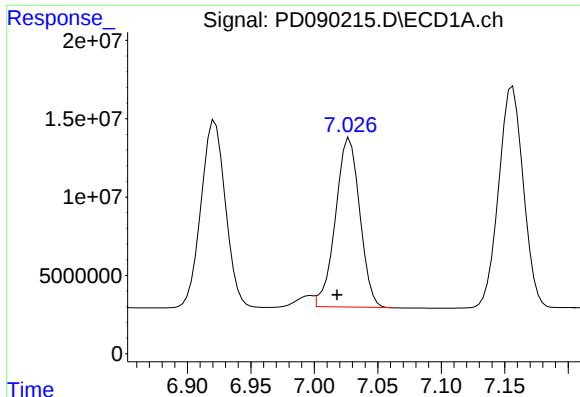
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.010 min
Response: 188392256
Conc: 54.46 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1344801614
Conc: 55.93 ng/ml



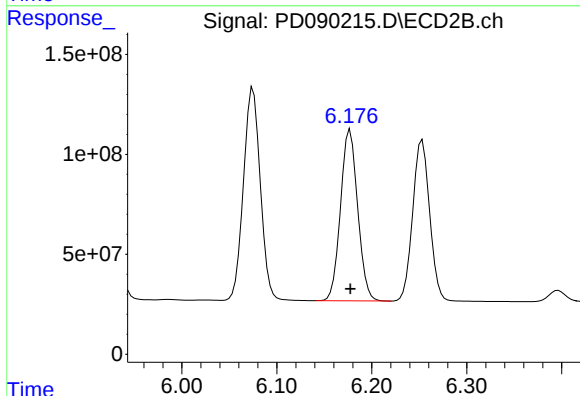
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.009 min
Response: 143223417
Conc: 37.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

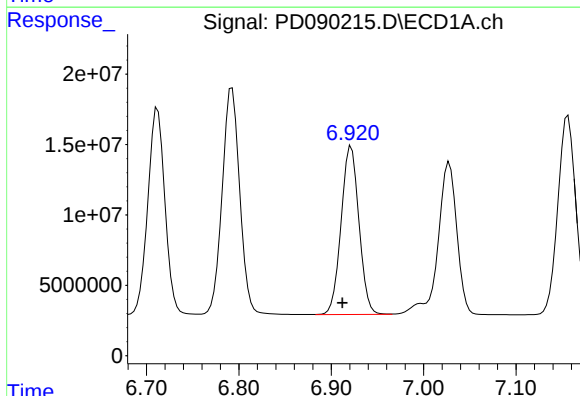
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



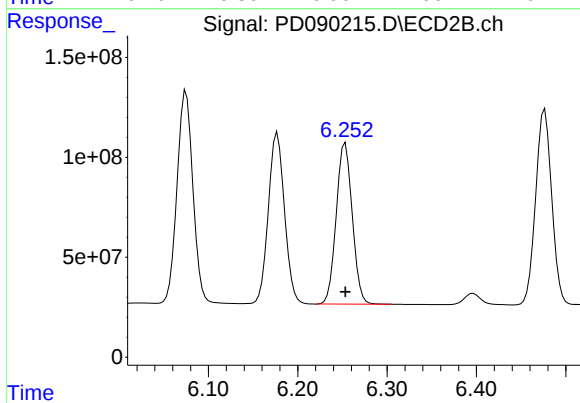
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1077689537
Conc: 42.99 ng/ml



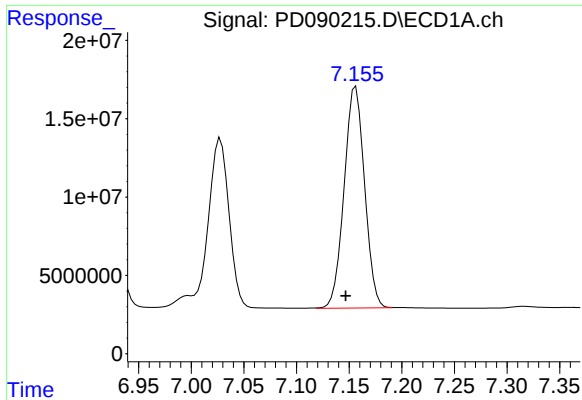
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.008 min
Response: 160824878
Conc: 56.09 ng/ml m



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 1003179001
Conc: 58.26 ng/ml



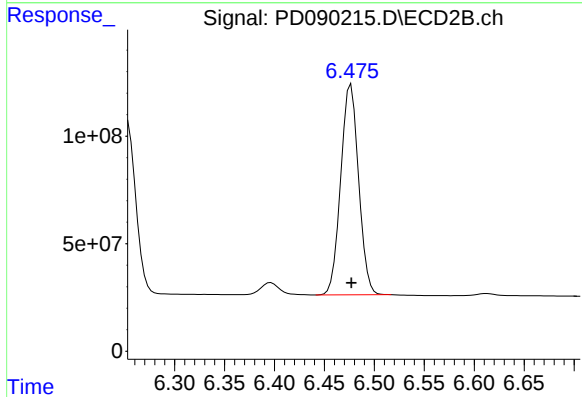
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: 0.008 min
Response: 191746119
Conc: 48.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

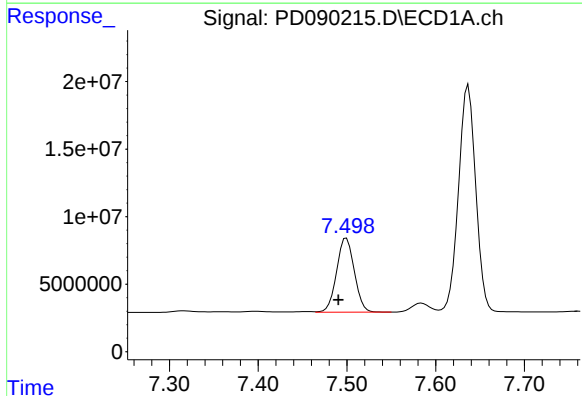
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



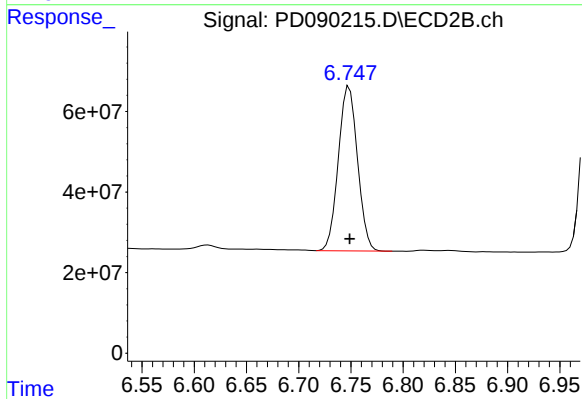
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1220051977
Conc: 50.04 ng/ml



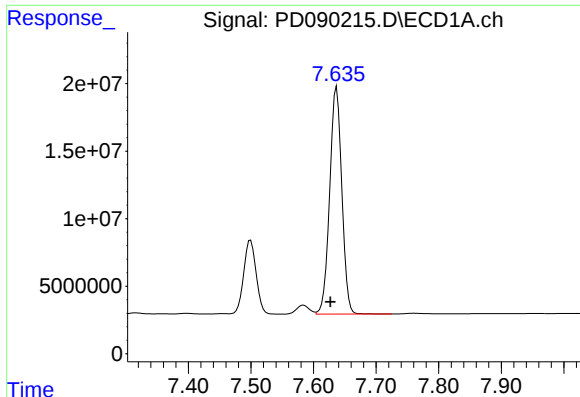
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: 0.009 min
Response: 76030414
Conc: 37.91 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 521912359
Conc: 40.47 ng/ml



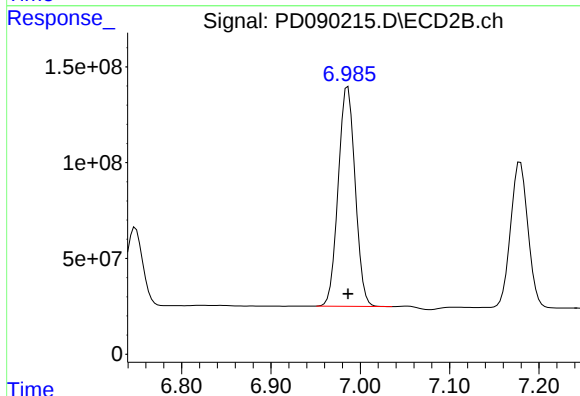
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.010 min
Response: 226604033
Conc: 54.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

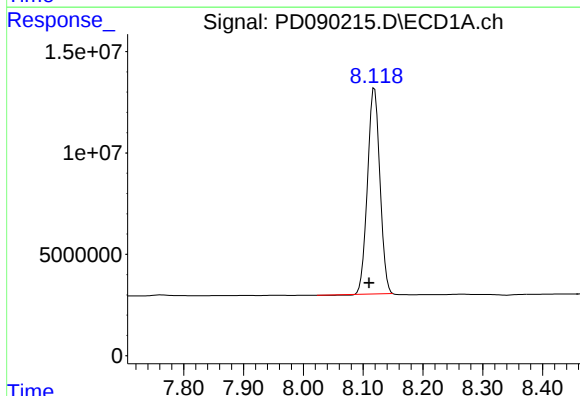
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



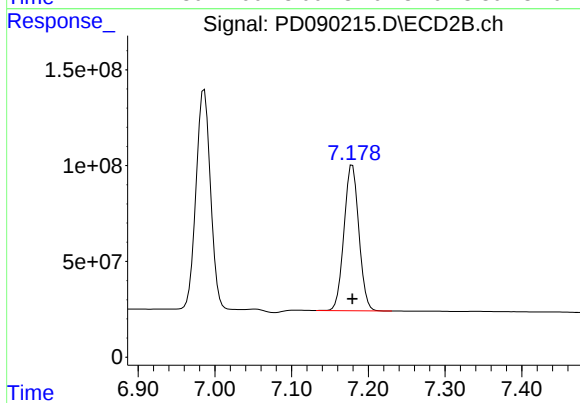
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1508779656
Conc: 56.63 ng/ml



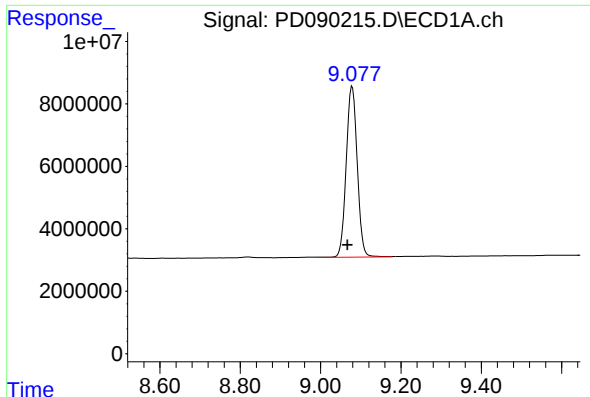
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.009 min
Response: 146232414
Conc: 46.36 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 1027065665
Conc: 49.72 ng/ml



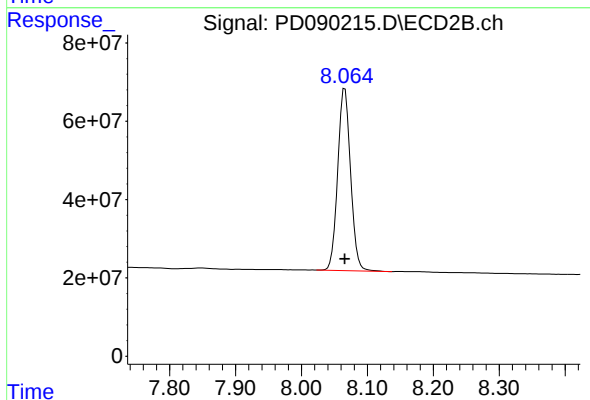
#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.012 min
Response: 104419358
Conc: 24.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169592BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/10/2025
Supervised By :mohammad ahmed 09/11/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 629818210
Conc: 24.33 ng/ml