

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082625\
 Data File : PD090040.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Aug 2025 17:09
 Operator : AR\AJ
 Sample : PB169394BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169394BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/27/2025
 Supervised By : mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 27 05:01:01 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...	3.547	2.878	56911918	397.9E6	19.392m	18.044
28)	SA Decachlor...	9.070	8.066	80056166	445.3E6	18.549	17.204
Target Compounds							
2)	A alpha-BHC	3.998	3.390	379.7E6	1881.9E6	63.255	55.449
3)	MA gamma-BHC...	4.329	3.727	358.2E6	1735.5E6	62.550	55.679
4)	MA Heptachlor	4.927	4.079	309.9E6	1541.7E6	55.254	49.427
5)	MB Aldrin	5.269	4.365	347.2E6	1735.5E6	64.124	56.984
6)	B beta-BHC	4.516	4.022	135.2E6	753.4E6	60.269	56.518
7)	B delta-BHC	4.763	4.259	303.1E6	1526.5E6	58.531	48.384
8)	B Heptachlo...	5.689	4.868	310.2E6	1582.5E6	63.226	57.141
9)	A Endosulfan I	6.072	5.243	291.3E6	1497.0E6	63.126	57.089
10)	B gamma-Chl...	5.944	5.121	315.0E6	1702.7E6	64.394	57.502
11)	B alpha-Chl...	6.024	5.186	308.9E6	1609.0E6	62.747	56.382
12)	B 4,4'-DDE	6.194	5.370	283.6E6	1636.4E6	64.620	56.775
13)	MA Dieldrin	6.345	5.508	311.7E6	1665.0E6	63.664	56.850
14)	MA Endrin	6.572	5.784	253.3E6	1435.1E6	61.134	53.885
15)	B Endosulfa...	6.785	6.076	261.7E6	1424.9E6	62.025	56.330
16)	A 4,4'-DDD	6.703	5.924	222.7E6	1374.5E6	64.379	57.168
17)	MA 4,4'-DDT	7.019	6.178	199.0E6	1169.7E6	52.228	46.657
18)	B Endrin al...	6.914	6.254	187.4E6	1033.3E6	65.364	60.005
19)	B Endosulfa...	7.148	6.478	233.4E6	1318.3E6	59.570	54.076
20)	A Methoxychlor	7.492	6.748	94553884	574.5E6	47.145	44.551
21)	B Endrin ke...	7.629	6.986	248.5E6	1428.5E6	59.961	53.615
22)	Mirex	8.112	7.180	179.0E6	1074.7E6	56.750	52.029

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082625\
Data File : PD090040.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 26 Aug 2025 17:09
Operator : AR\AJ
Sample : PB169394BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

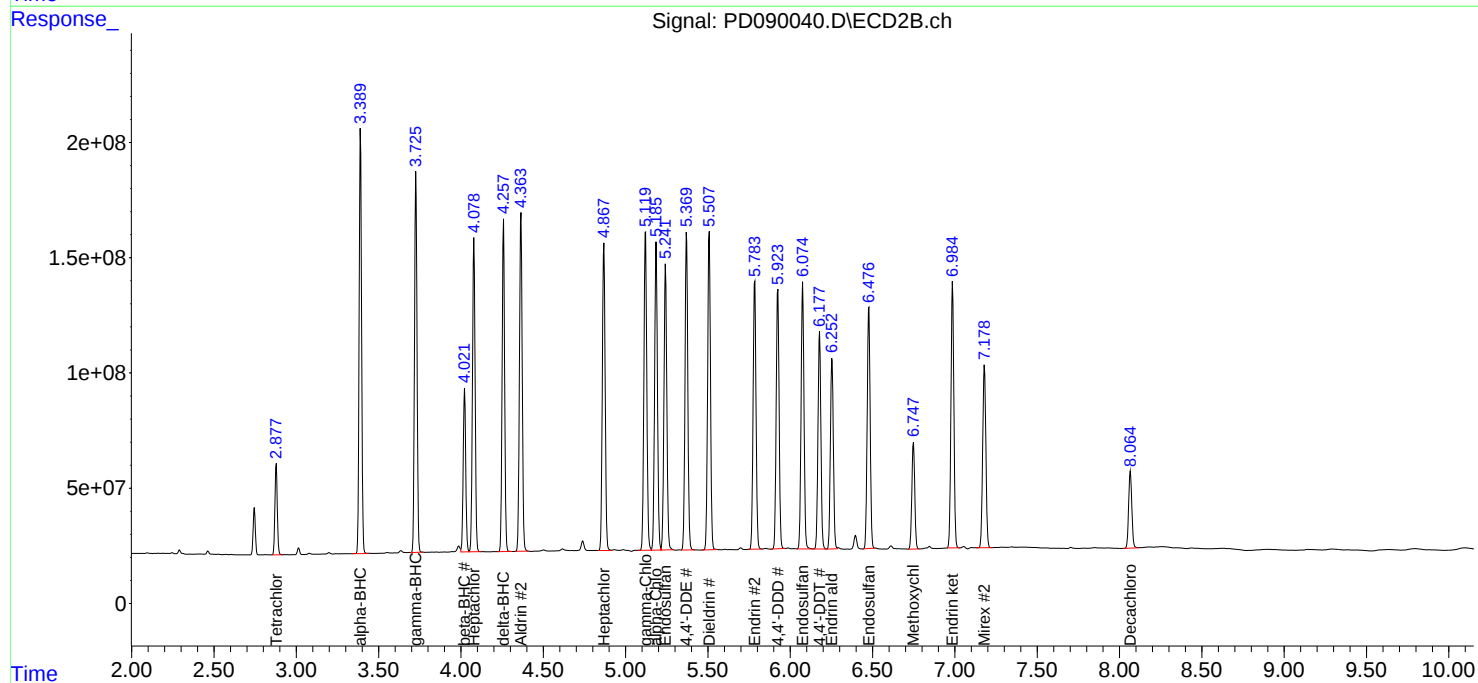
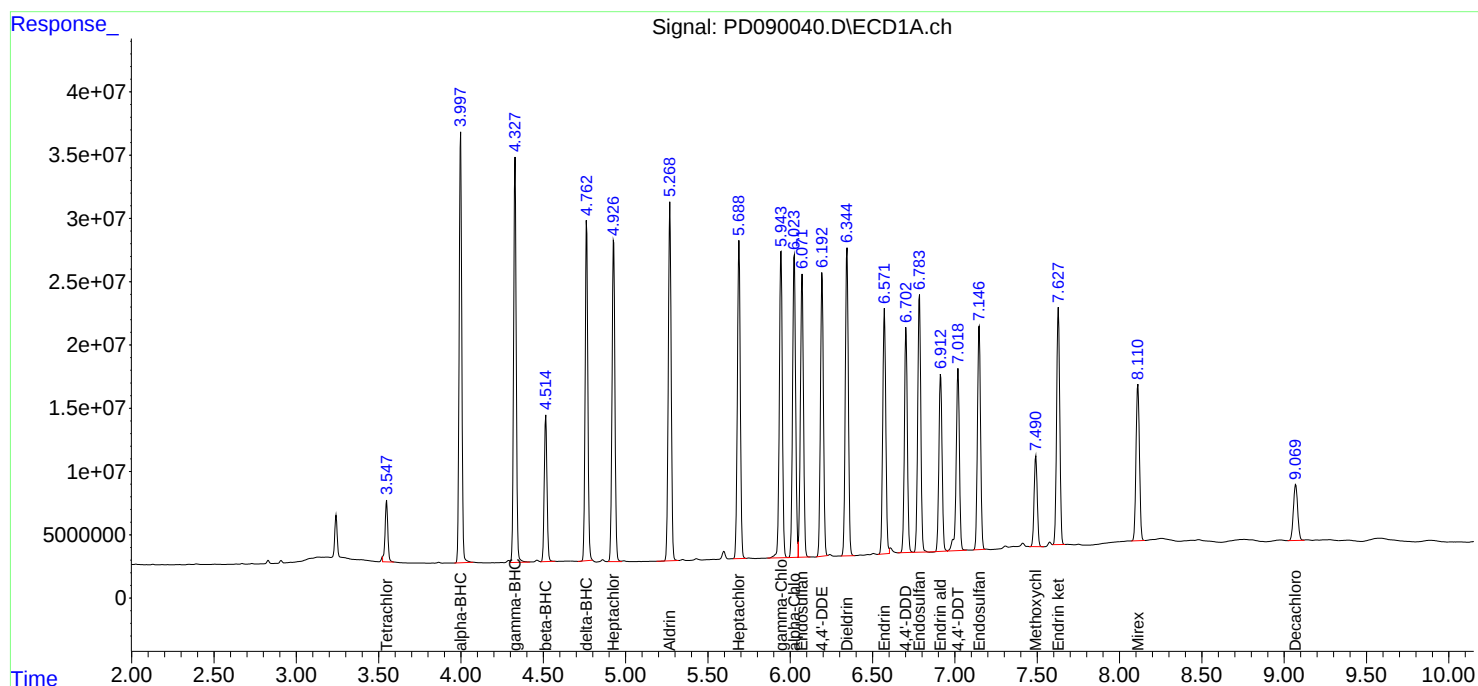
Instrument :
ECD_D
ClientSampleId :
PB169394BS

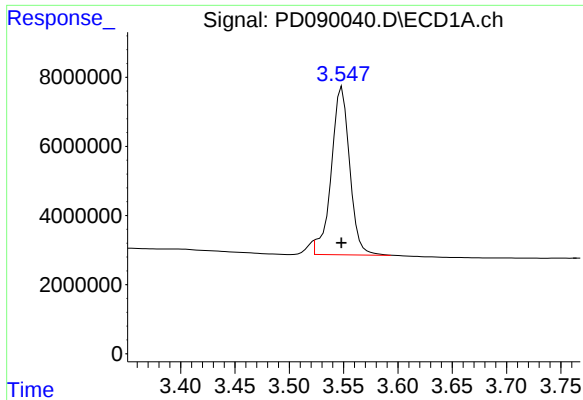
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 08/27/2025
Supervised By : mohammad ahmed 08/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 27 05:01:01 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





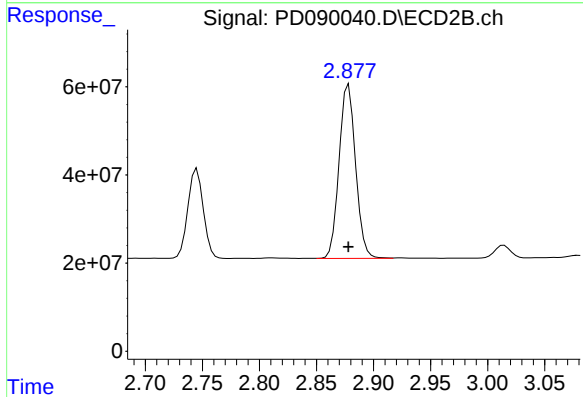
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 56911918
Conc: 19.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

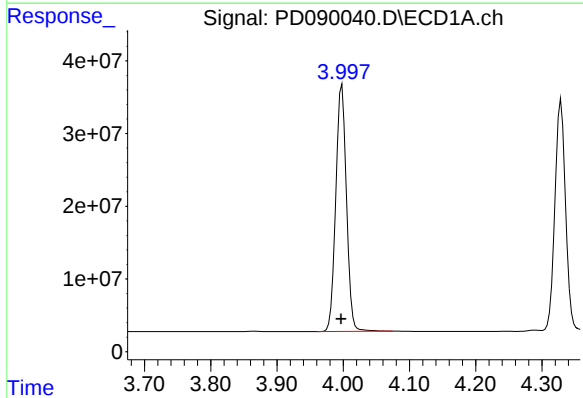
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



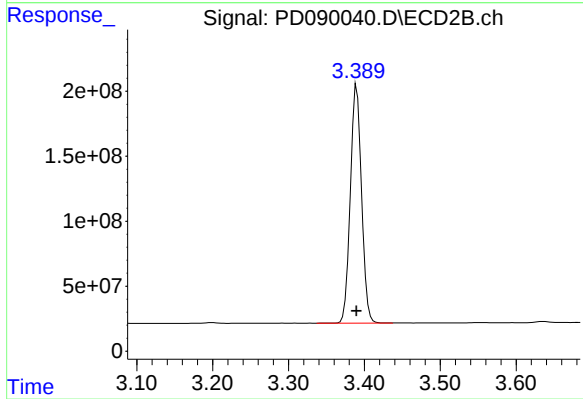
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 397875198
Conc: 18.04 ng/ml



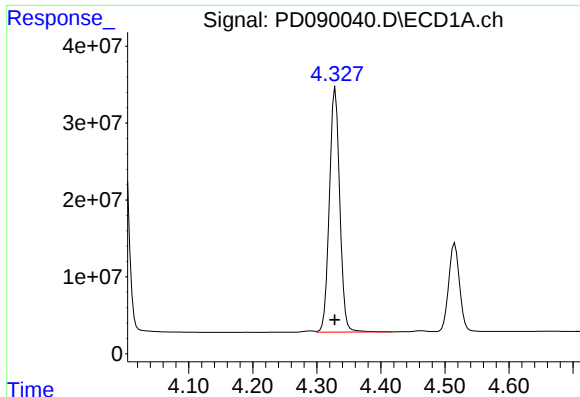
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 379669623
Conc: 63.25 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1881875592
Conc: 55.45 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.001 min
Response: 358211870
Conc: 62.55 ng/ml

Instrument :

ECD_D

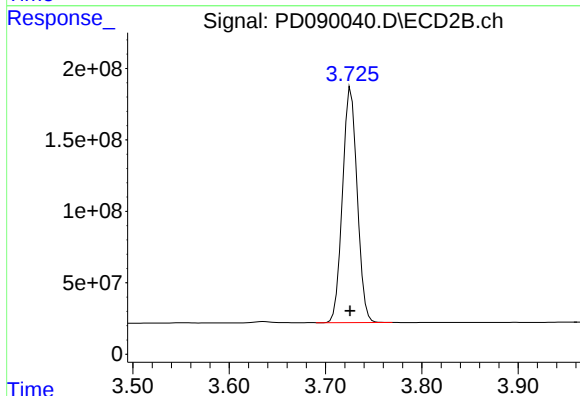
ClientSampleId :

PB169394BS

Manual Integrations

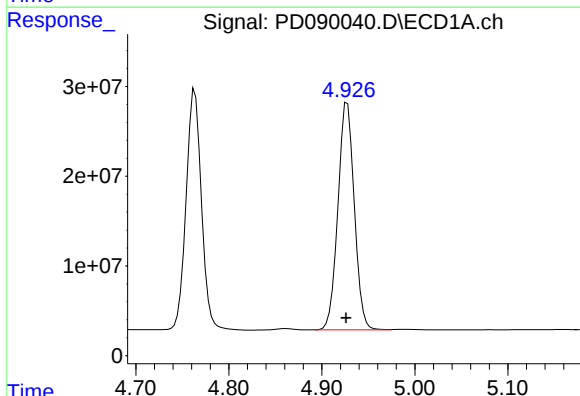
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



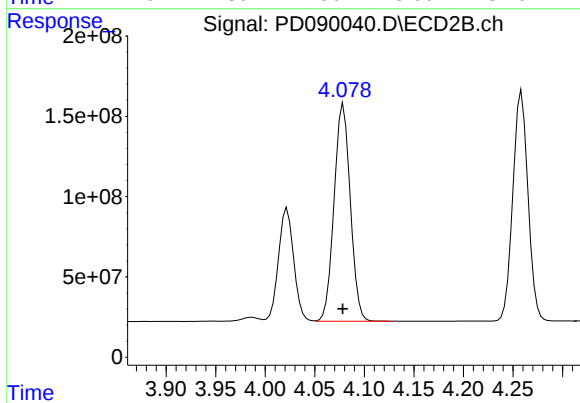
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1735544132
Conc: 55.68 ng/ml



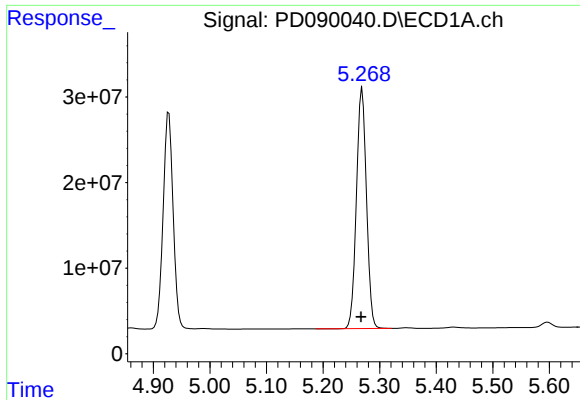
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.001 min
Response: 309931399
Conc: 55.25 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1541711529
Conc: 49.43 ng/ml



#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 347203098
Conc: 64.12 ng/ml

Instrument :

ECD_D

ClientSampleId :

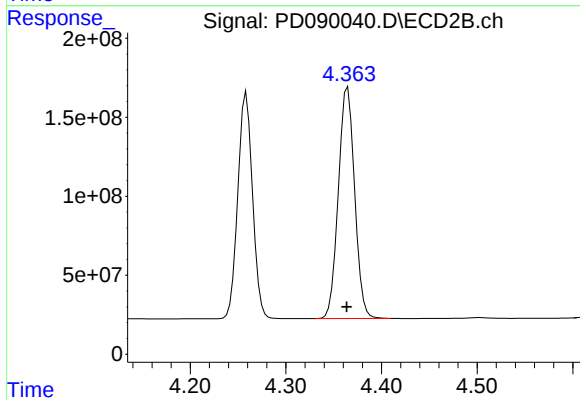
PB169394BS

Manual Integrations

APPROVED

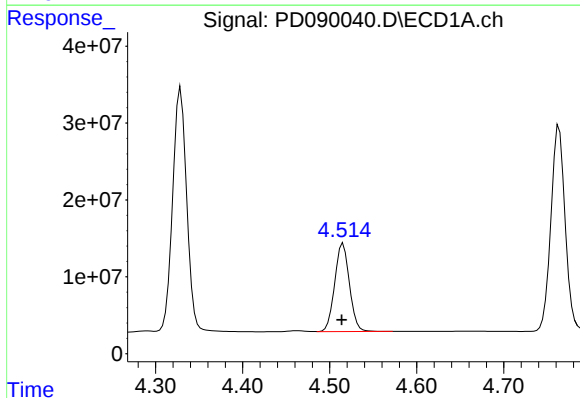
Reviewed By :Abdul Mirza 08/27/2025

Supervised By :mohammad ahmed 08/28/2025



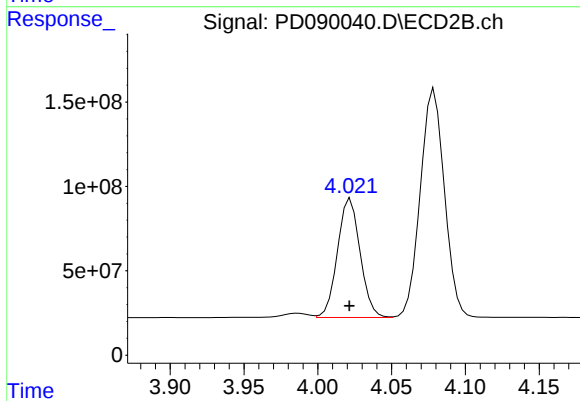
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1735497773
Conc: 56.98 ng/ml



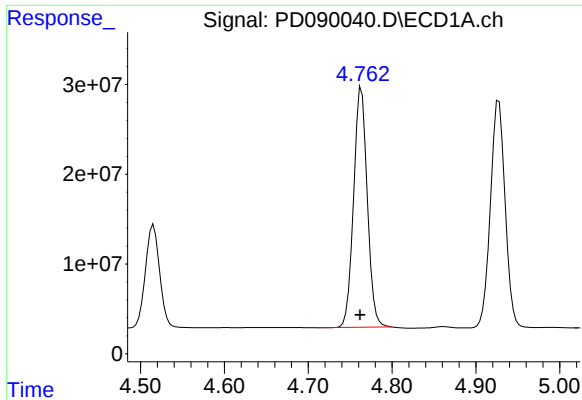
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 135183846
Conc: 60.27 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 753394623
Conc: 56.52 ng/ml



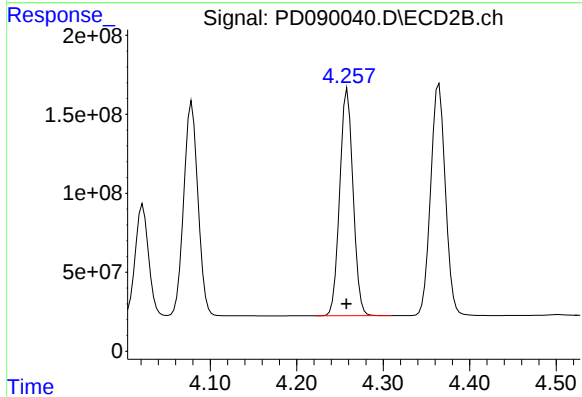
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.002 min
Response: 303054007
Conc: 58.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

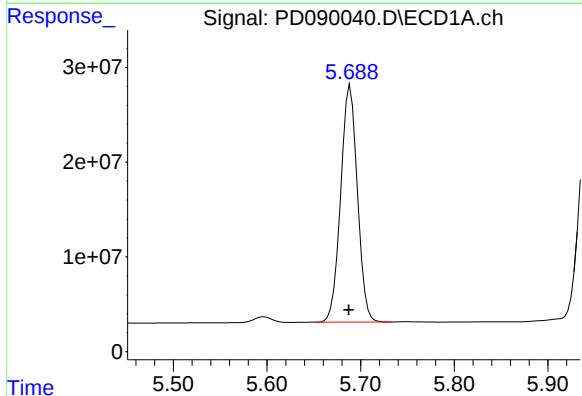
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



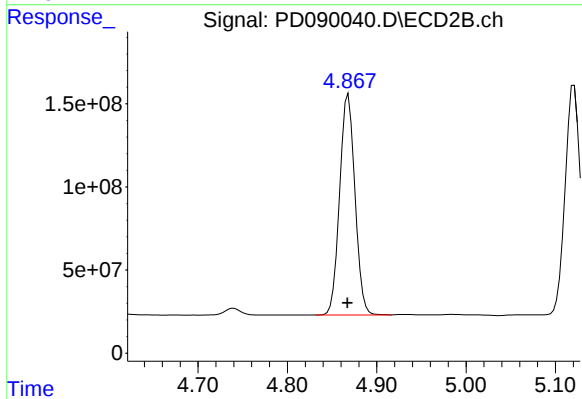
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.001 min
Response: 1526492082
Conc: 48.38 ng/ml



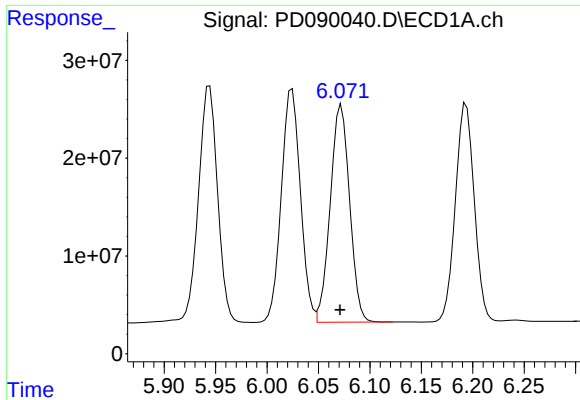
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 310237808
Conc: 63.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 1582523981
Conc: 57.14 ng/ml



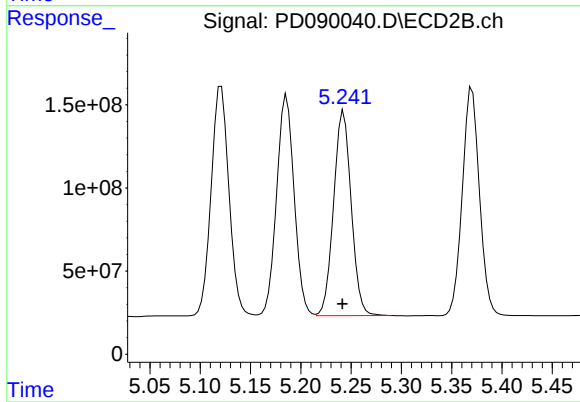
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.001 min
Response: 291320310
Conc: 63.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

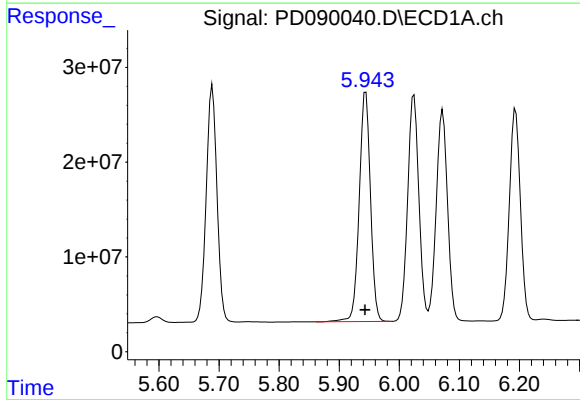
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



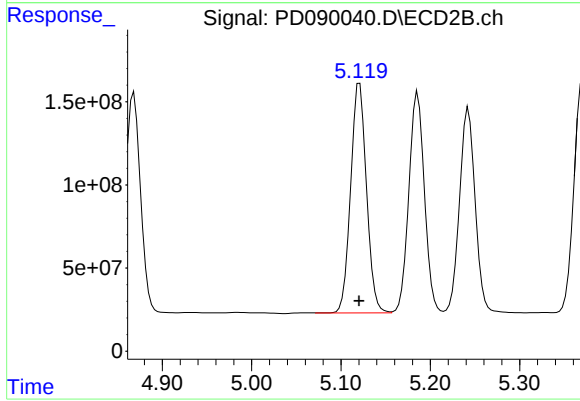
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.001 min
Response: 1496977698
Conc: 57.09 ng/ml



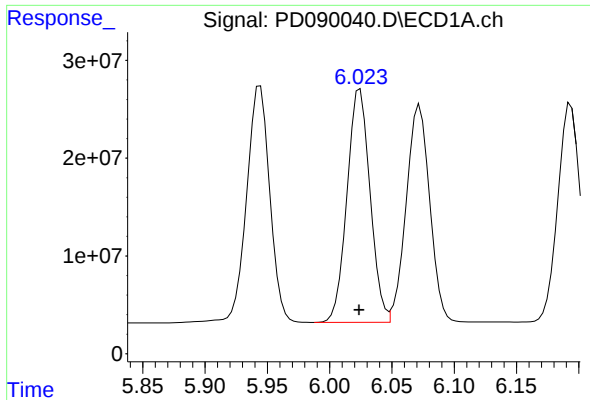
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.001 min
Response: 314951938
Conc: 64.39 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1702714970
Conc: 57.50 ng/ml



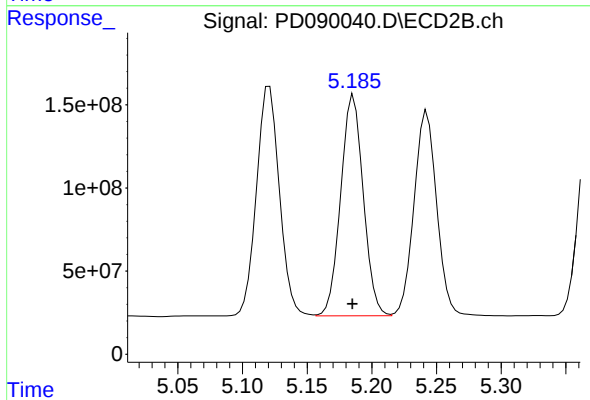
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.000 min
Response: 308868609
Conc: 62.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

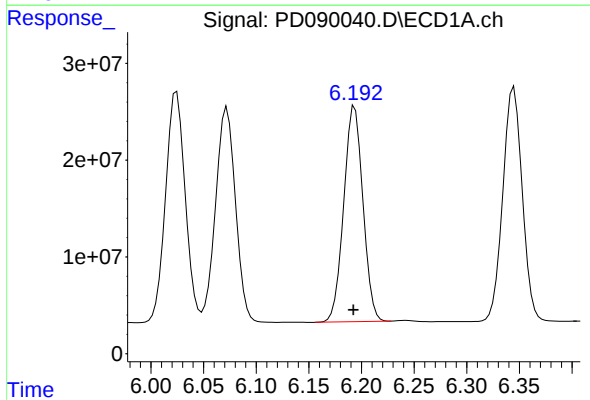
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



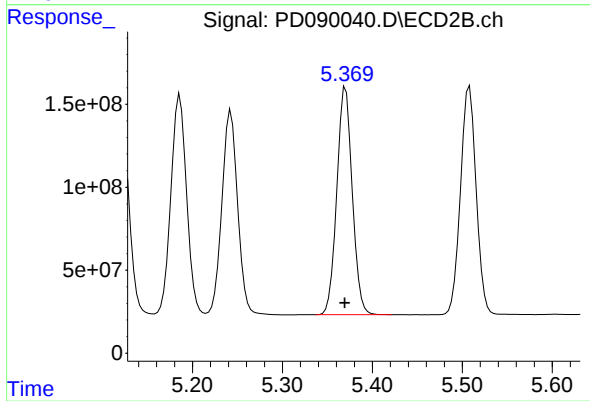
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.001 min
Response: 1609039953
Conc: 56.38 ng/ml



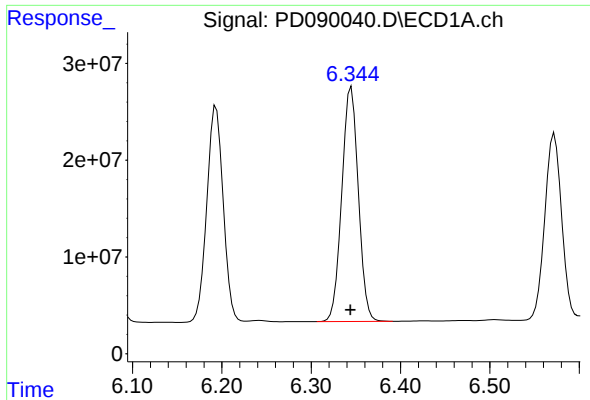
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.001 min
Response: 283572134
Conc: 64.62 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.001 min
Response: 1636401751
Conc: 56.77 ng/ml



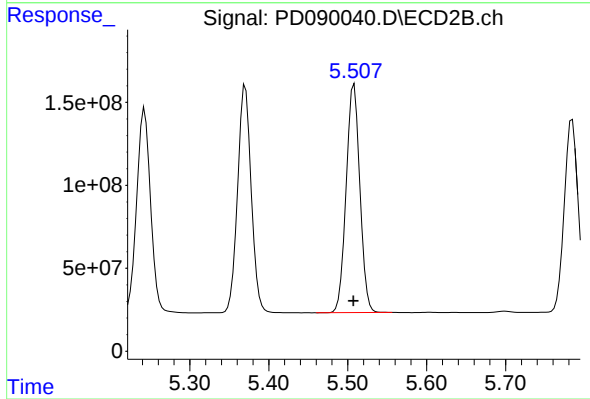
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 311685446
Conc: 63.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

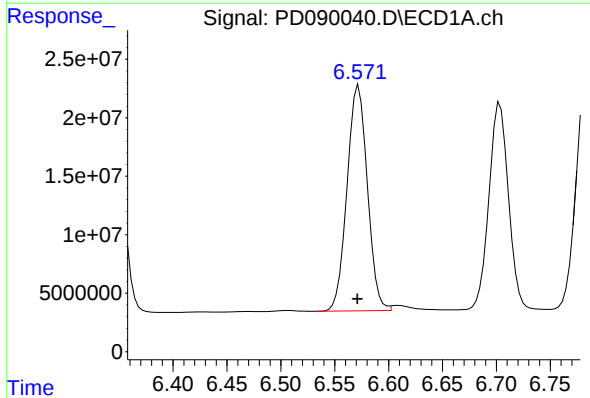
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



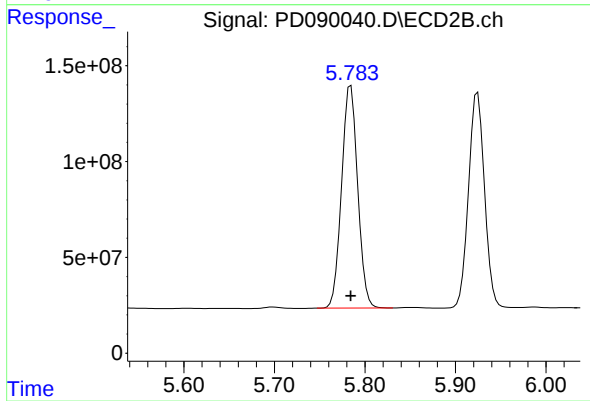
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1664968609
Conc: 56.85 ng/ml



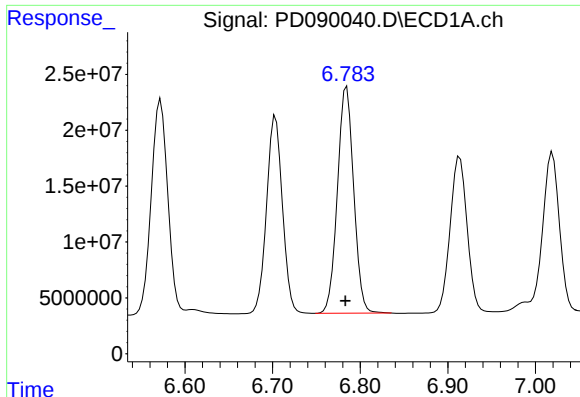
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.001 min
Response: 253313841
Conc: 61.13 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1435075485
Conc: 53.88 ng/ml



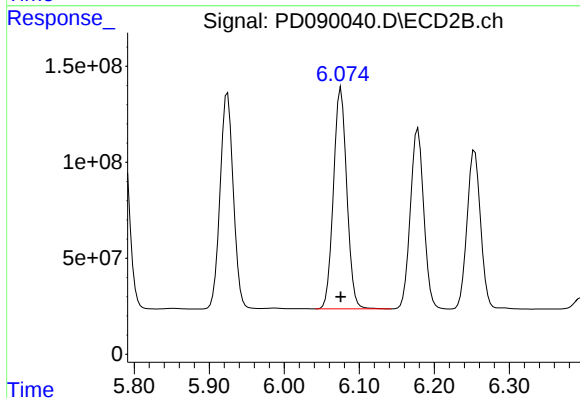
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 261729006
Conc: 62.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

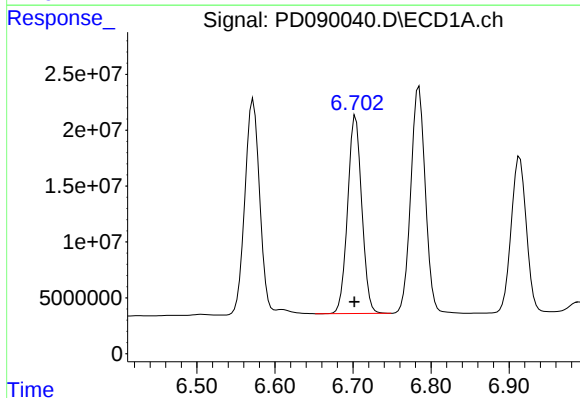
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



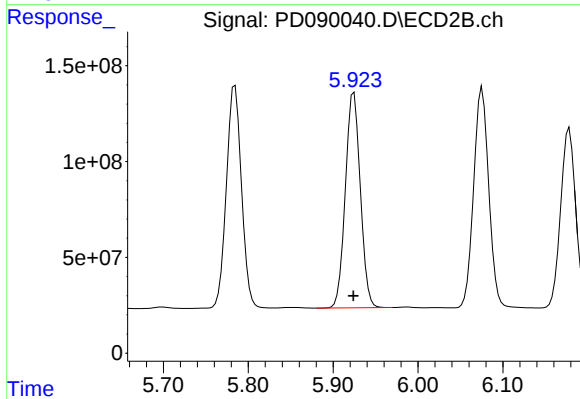
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 1424851252
Conc: 56.33 ng/ml



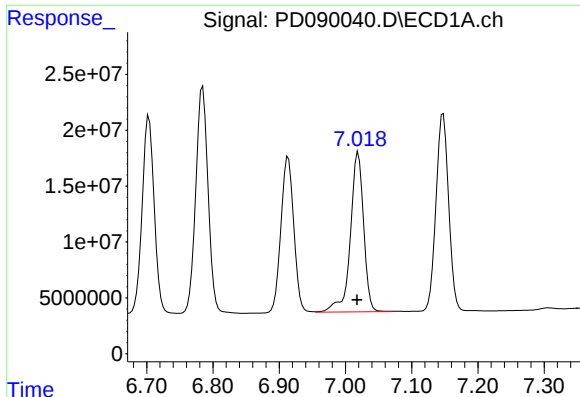
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.001 min
Response: 222693318
Conc: 64.38 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1374539182
Conc: 57.17 ng/ml



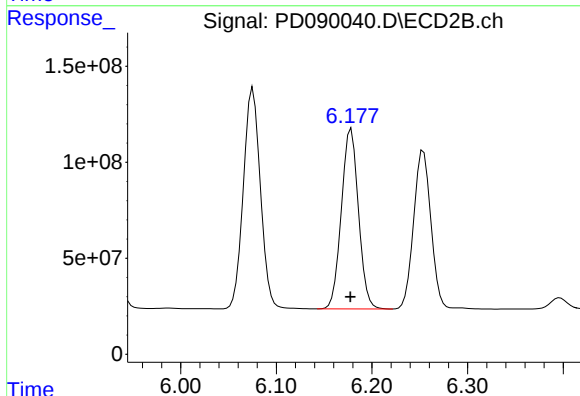
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.002 min
Response: 198974950
Conc: 52.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

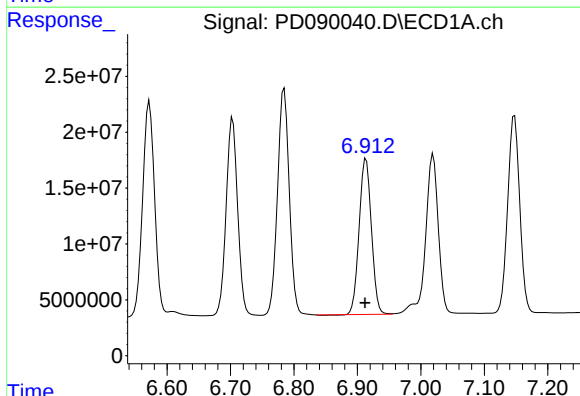
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



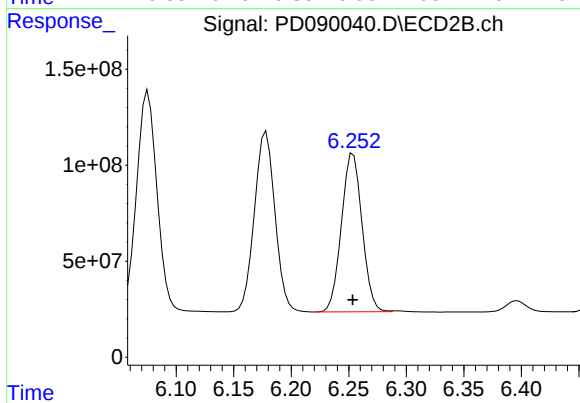
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1169679149
Conc: 46.66 ng/ml



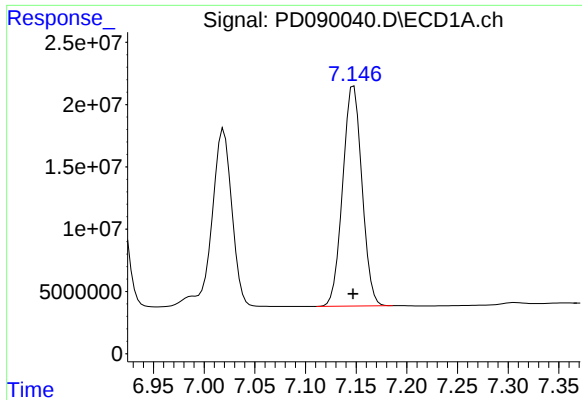
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 187409864
Conc: 65.36 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 1033275420
Conc: 60.00 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 233423444
Conc: 59.57 ng/ml

Instrument :

ECD_D

ClientSampleId :

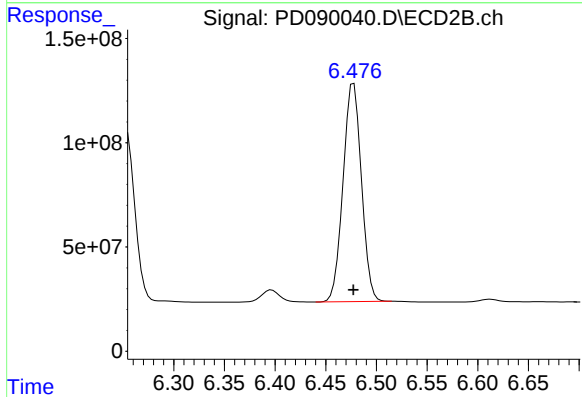
PB169394BS

Manual Integrations

APPROVED

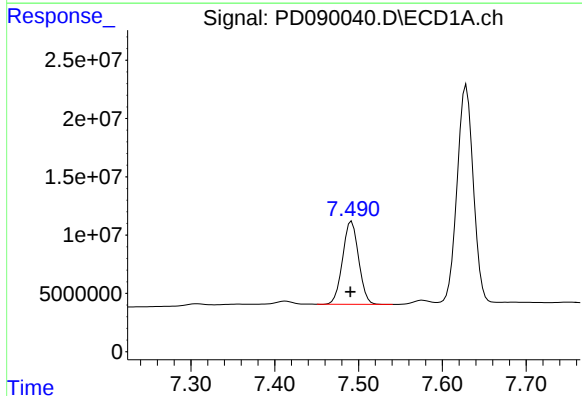
Reviewed By :Abdul Mirza 08/27/2025

Supervised By :mohammad ahmed 08/28/2025



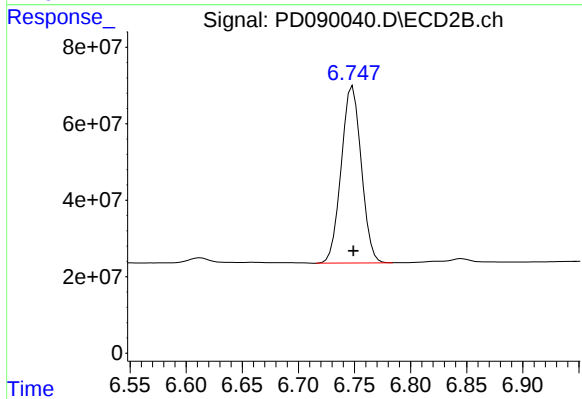
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1318347150
Conc: 54.08 ng/ml



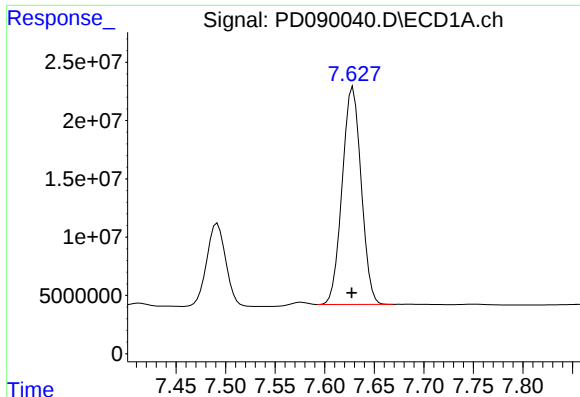
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.001 min
Response: 94553884
Conc: 47.14 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 574523225
Conc: 44.55 ng/ml



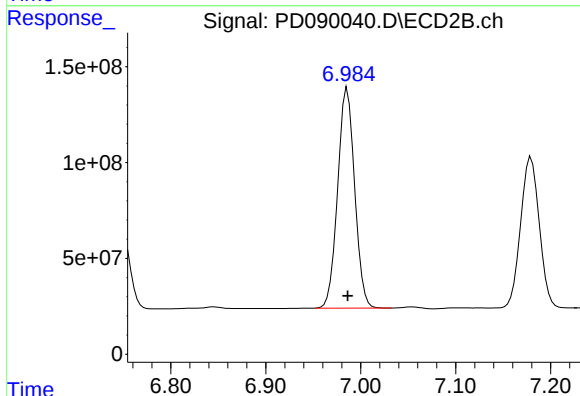
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.001 min
Response: 248509630
Conc: 59.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

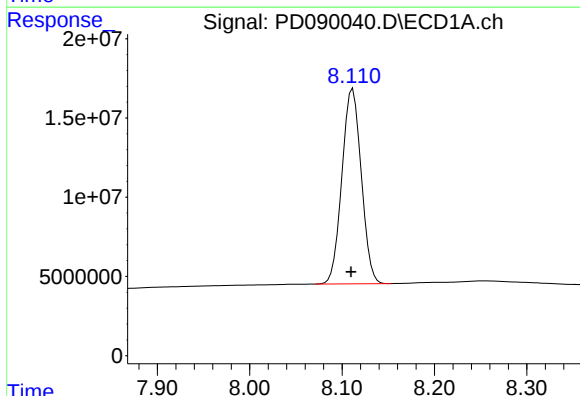
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



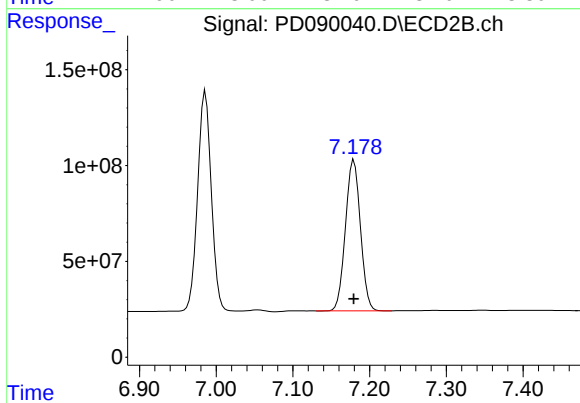
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 1428536433
Conc: 53.61 ng/ml



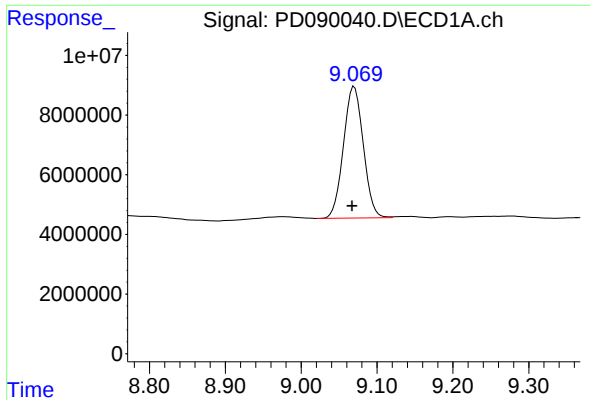
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.002 min
Response: 179015216
Conc: 56.75 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 1074690666
Conc: 52.03 ng/ml



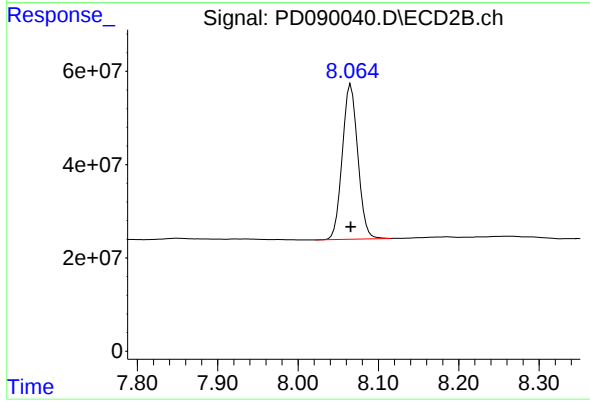
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 80056166
Conc: 18.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169394BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/27/2025
Supervised By :mohammad ahmed 08/28/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 445340511
Conc: 17.20 ng/ml