

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
 Data File : PD090096.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Aug 2025 17:22
 Operator : AR\AJ
 Sample : PB169465BSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169465BSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/02/2025
 Supervised By :mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 29 23:22:13 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...	3.550	2.878	60608078	461.5E6	20.651	20.928
28)	SA Decachlor...	9.071	8.066	99968730	534.8E6	23.163	20.660
Target Compounds							
2)	A alpha-BHC	3.999	3.390	285.5E6	1522.0E6	47.561	44.846
3)	MA gamma-BHC...	4.330	3.726	272.3E6	1423.0E6	47.553	45.653
4)	MA Heptachlor	4.928	4.079	268.6E6	1414.7E6	47.882	45.354
5)	MB Aldrin	5.270	4.365	262.1E6	1394.7E6	48.406	45.795
6)	B beta-BHC	4.516	4.022	104.4E6	604.1E6	46.526	45.318
7)	B delta-BHC	4.764	4.259	270.7E6	1444.7E6	52.287	45.790
8)	B Heptachlo...	5.689	4.868	240.5E6	1275.9E6	49.004	46.072
9)	A Endosulfan I	6.073	5.242	225.2E6	1161.3E6	48.802	44.289
10)	B gamma-Chl...	5.945	5.121	240.4E6	1366.9E6	49.162	46.163
11)	B alpha-Chl...	6.026	5.185	238.8E6	1308.0E6	48.520	45.834
12)	B 4,4'-DDE	6.195	5.370	211.8E6	1333.6E6	48.269	46.270
13)	MA Dieldrin	6.345	5.508	238.7E6	1374.4E6	48.758	46.930
14)	MA Endrin	6.573	5.785	199.0E6	1303.8E6	48.027	48.958
15)	B Endosulfa...	6.785	6.075	204.0E6	1166.4E6	48.344	46.114
16)	A 4,4'-DDD	6.705	5.924	177.2E6	1129.9E6	51.221	46.994
17)	MA 4,4'-DDT	7.020	6.178	177.9E6	1119.3E6	46.709	44.647
18)	B Endrin al...	6.914	6.254	149.3E6	862.5E6	52.079	50.089
19)	B Endosulfa...	7.149	6.477	188.7E6	1121.1E6	48.151	45.986
20)	A Methoxychlor	7.493	6.748	89434870	562.4E6	44.592	43.614
21)	B Endrin ke...	7.630	6.984	200.9E6	1329.9E6	48.473	49.912m
22)	Mirex	8.112	7.179	146.5E6	878.3E6	46.435	42.522

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
Data File : PD090096.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Aug 2025 17:22
Operator : AR\AJ
Sample : PB169465BSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169465BSD

Manual Integrations

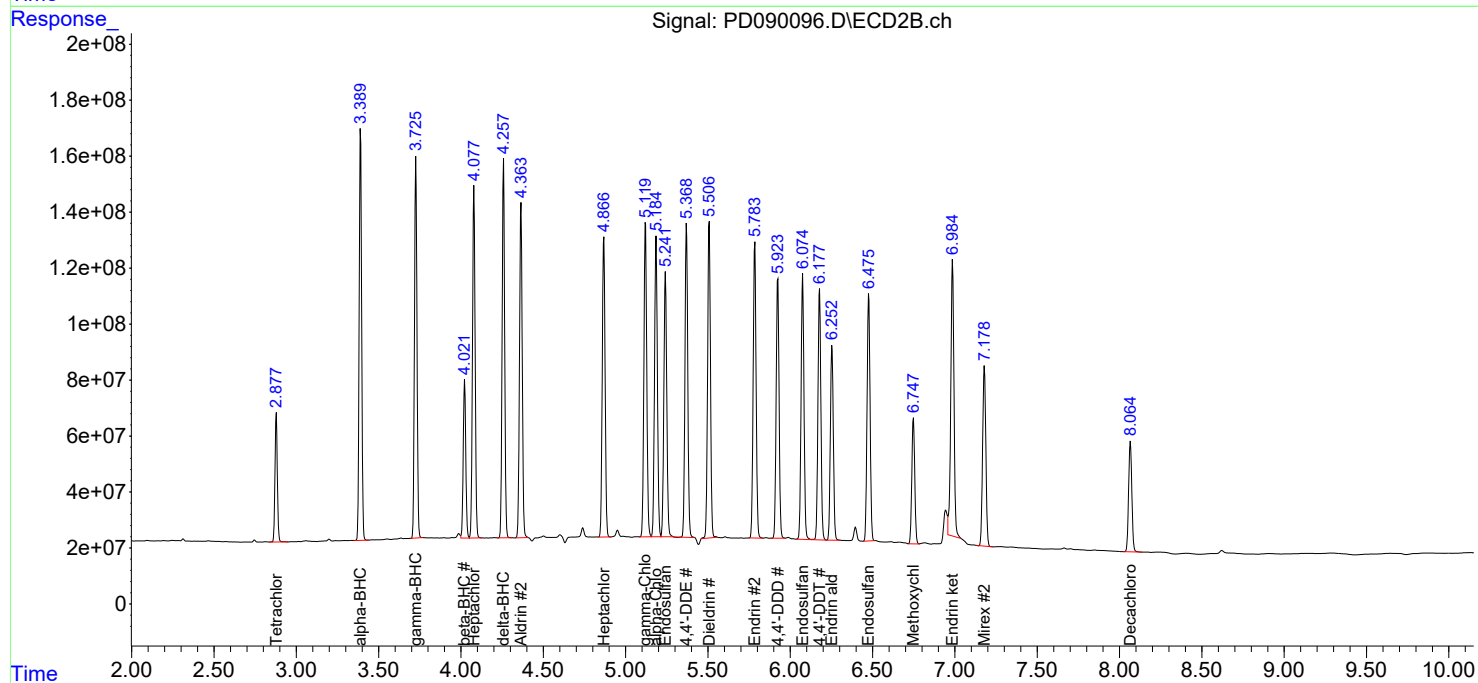
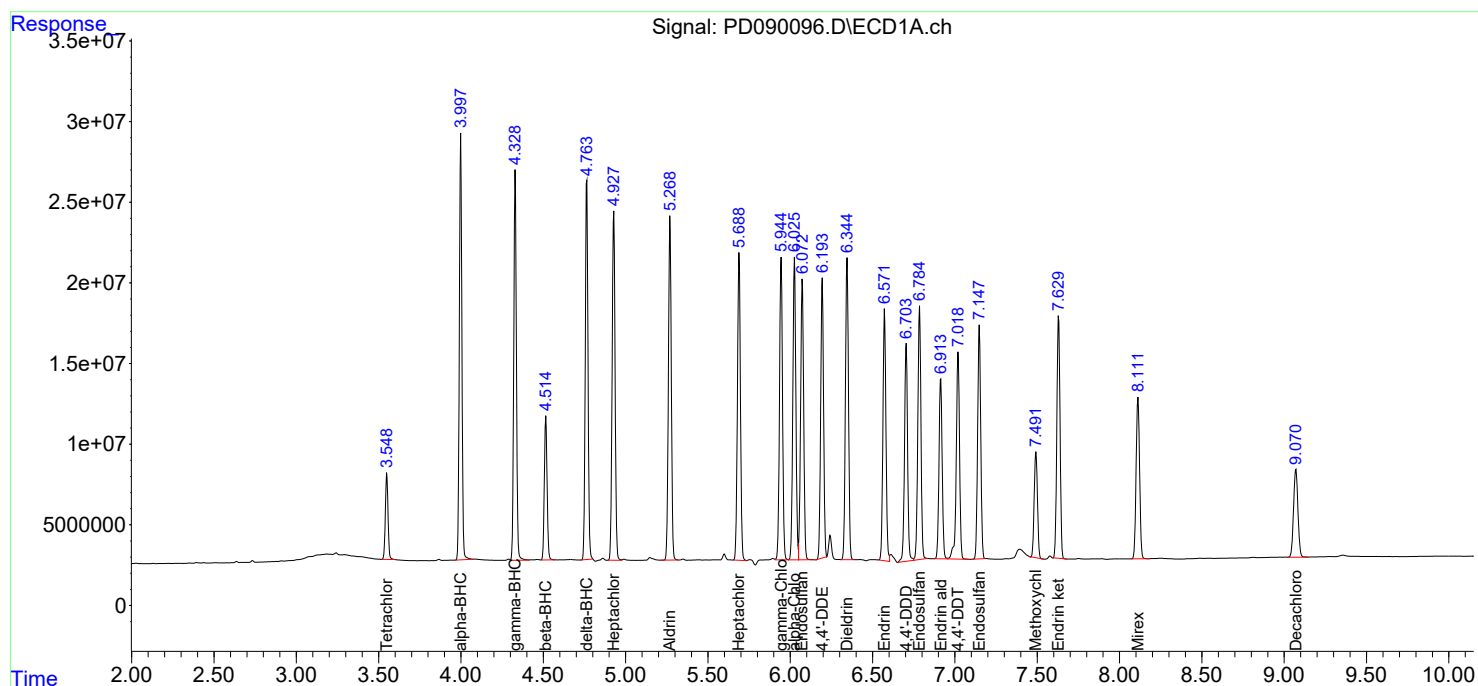
APPROVED

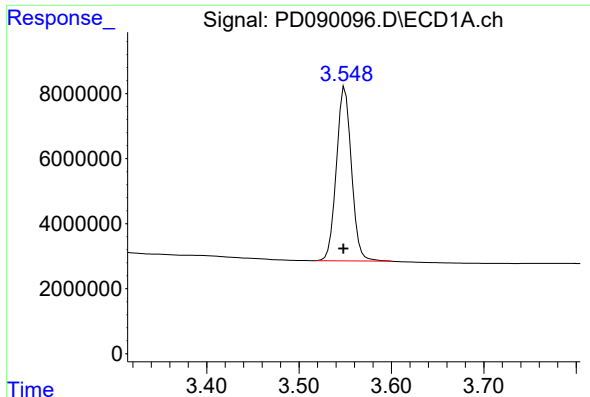
Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 29 23:22:13 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.: 3.550 min
Delta R.T.: 0.002 min
Response: 60608078
Conc: 20.65 ng/ml

Instrument :

ECD_D

ClientSampleId :

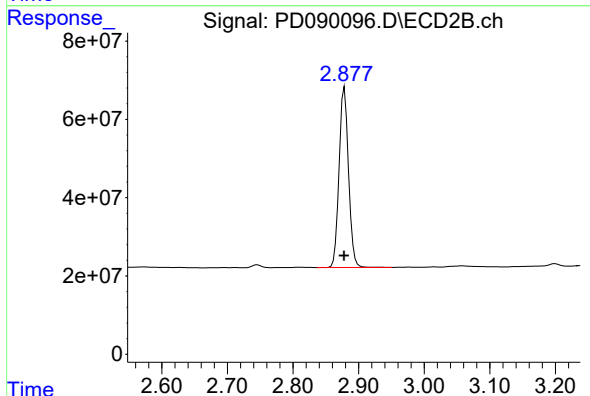
PB169465BSD

Manual Integrations

APPROVED

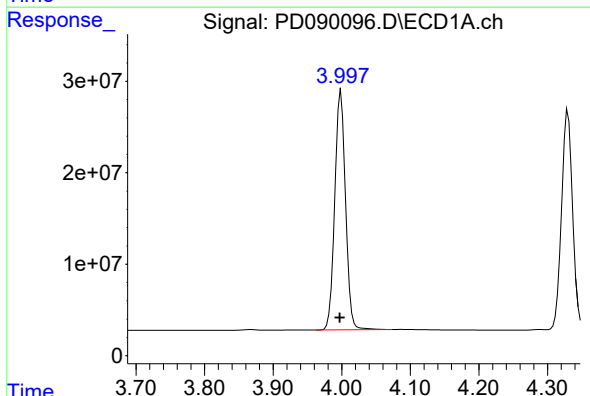
Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025



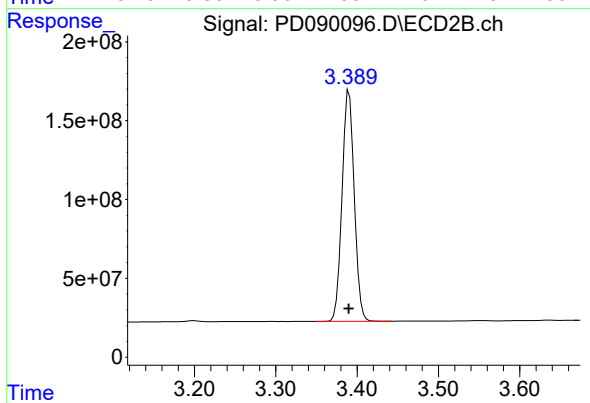
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 461468347
Conc: 20.93 ng/ml



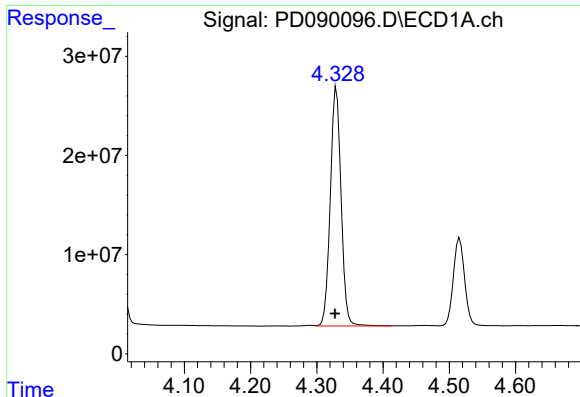
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 285473477
Conc: 47.56 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1522026500
Conc: 44.85 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 272330712
Conc: 47.55 ng/ml

Instrument :

ECD_D

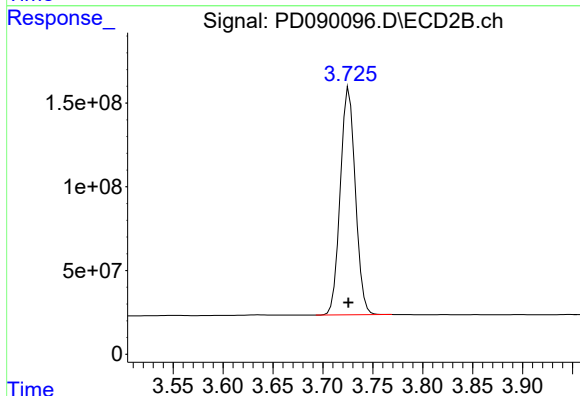
ClientSampleId :

PB169465BSD

Manual Integrations

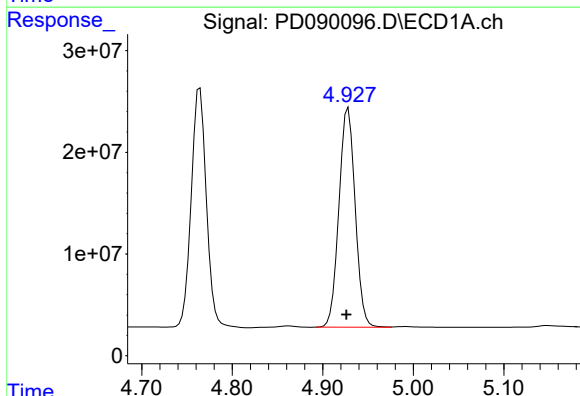
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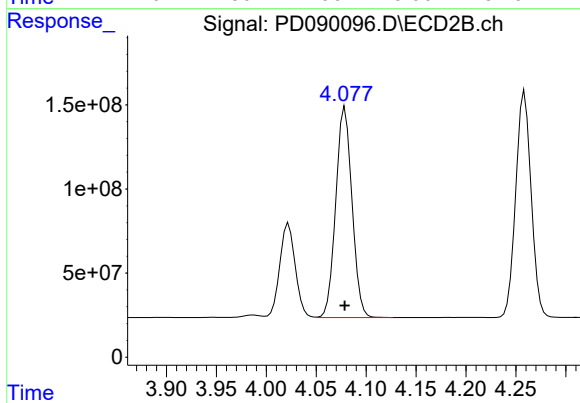
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1423046673
Conc: 45.65 ng/ml



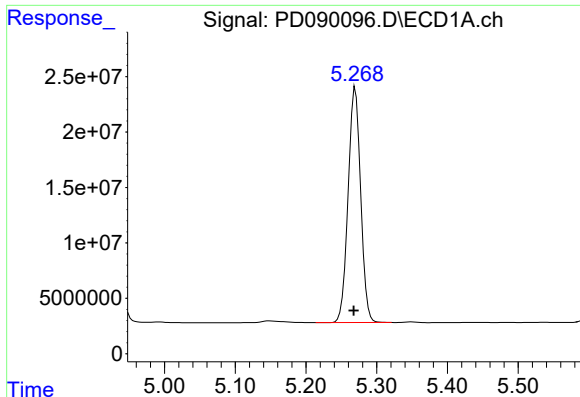
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.002 min
Response: 268577099
Conc: 47.88 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1414670123
Conc: 45.35 ng/ml



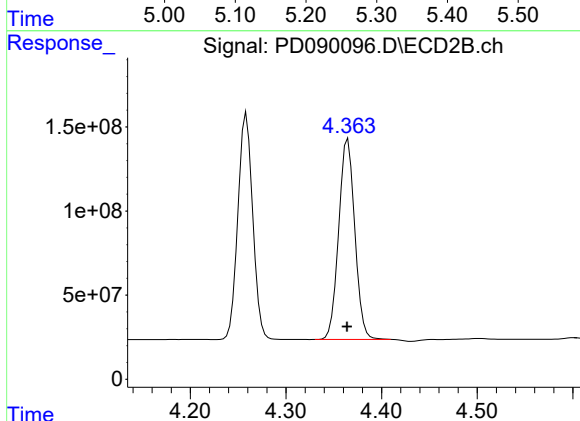
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.002 min
Response: 262094508
Conc: 48.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

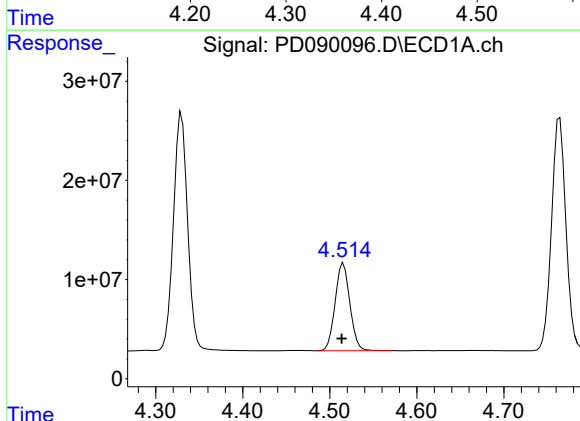
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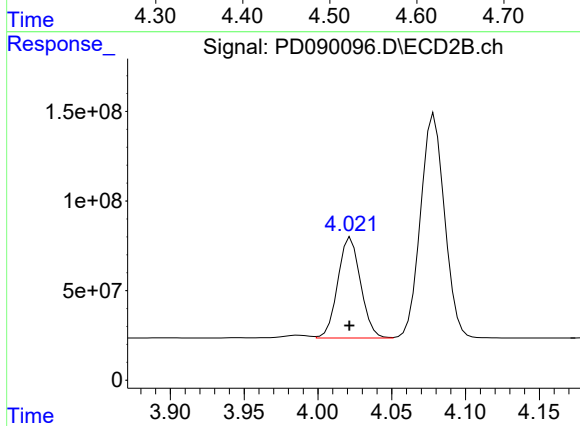
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.001 min
Response: 1394711390
Conc: 45.79 ng/ml



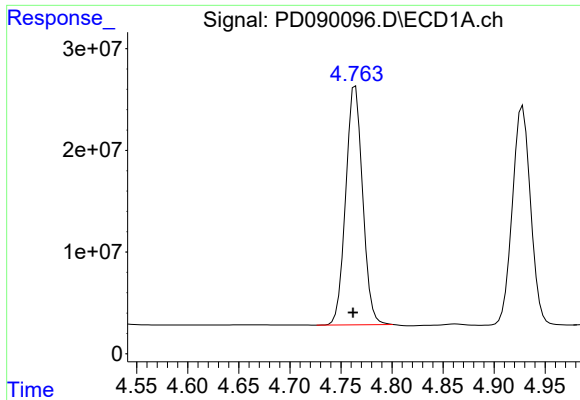
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 104358093
Conc: 46.53 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 604102950
Conc: 45.32 ng/ml



#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 270728193
Conc: 52.29 ng/ml

Instrument :

ECD_D

ClientSampleId :

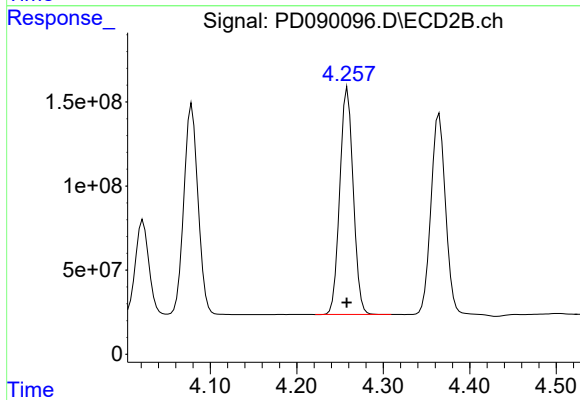
PB169465BSD

Manual Integrations

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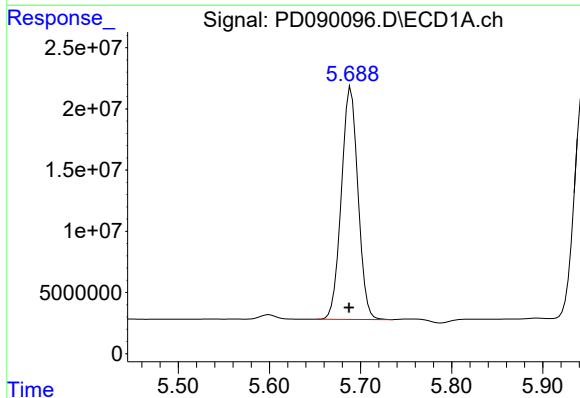
Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025



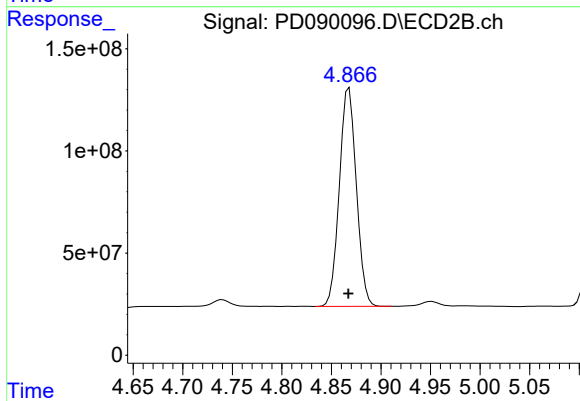
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.001 min
Response: 1444650807
Conc: 45.79 ng/ml



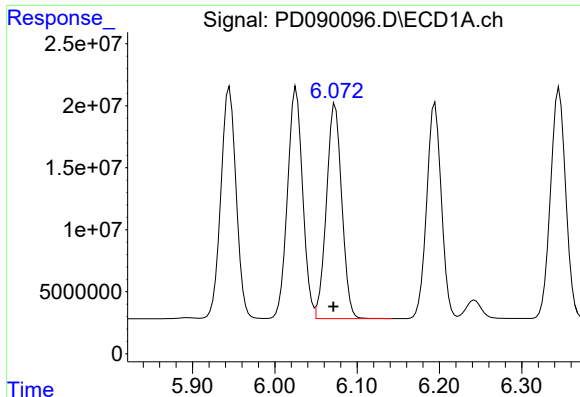
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 240452441
Conc: 49.00 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1275947646
Conc: 46.07 ng/ml



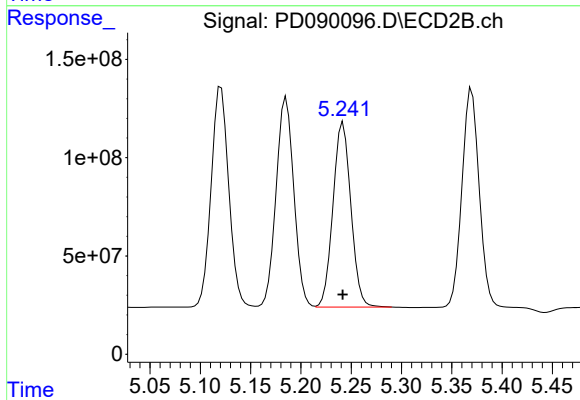
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 225214363
Conc: 48.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

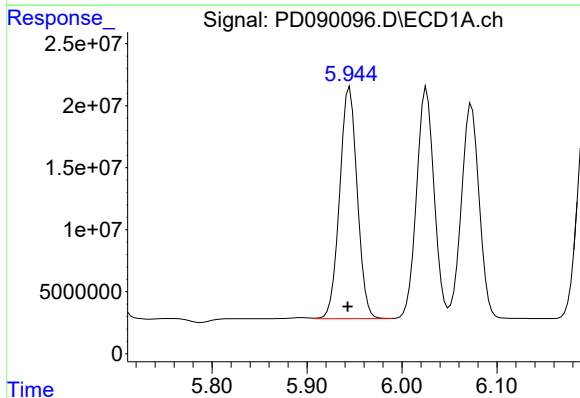
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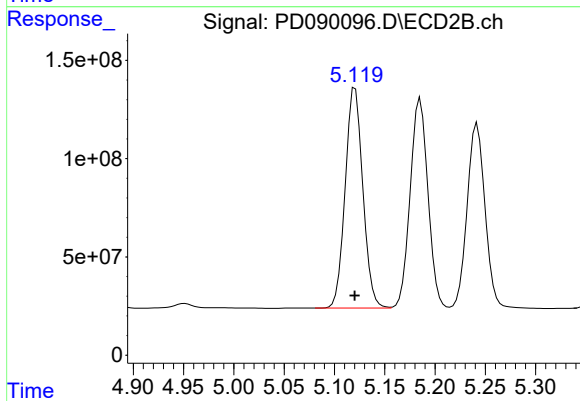
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1161336585
Conc: 44.29 ng/ml



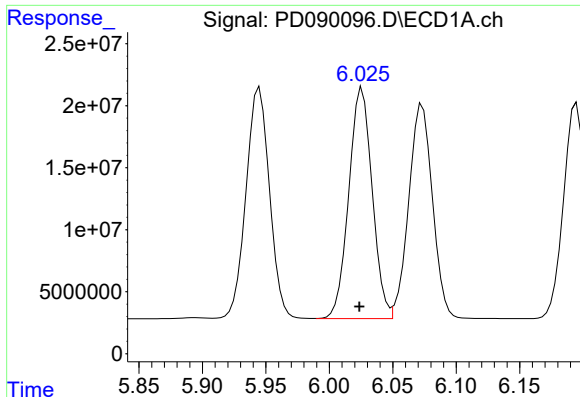
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 240448692
Conc: 49.16 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1366936782
Conc: 46.16 ng/ml



#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 238836298
Conc: 48.52 ng/ml

Instrument :

ECD_D

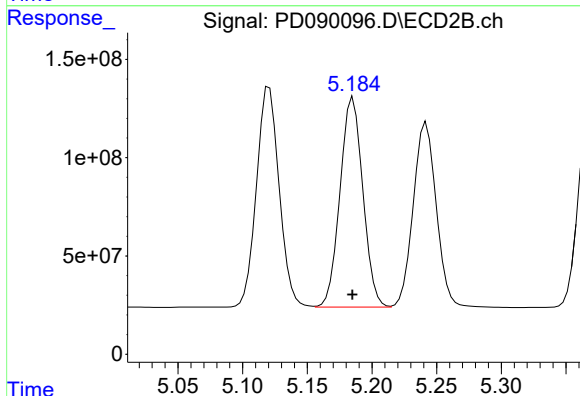
ClientSampleId :

PB169465BSD

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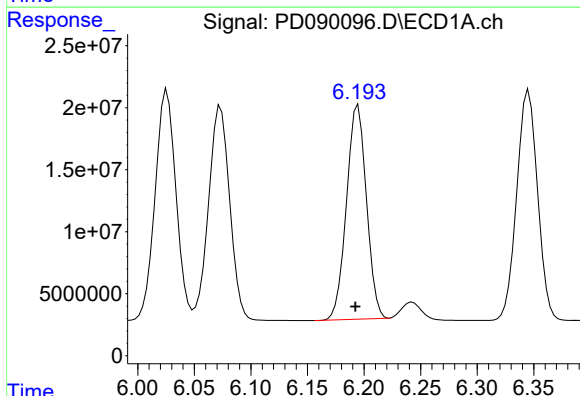
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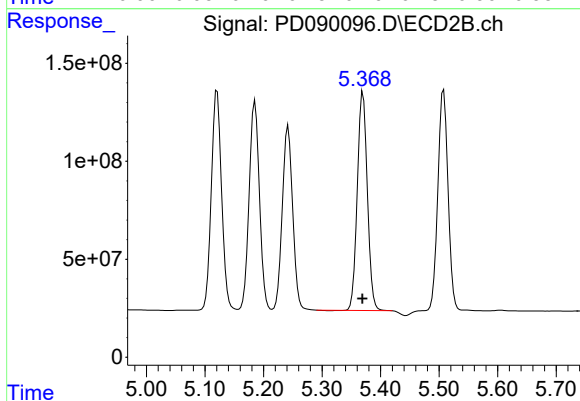
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1308011178
Conc: 45.83 ng/ml



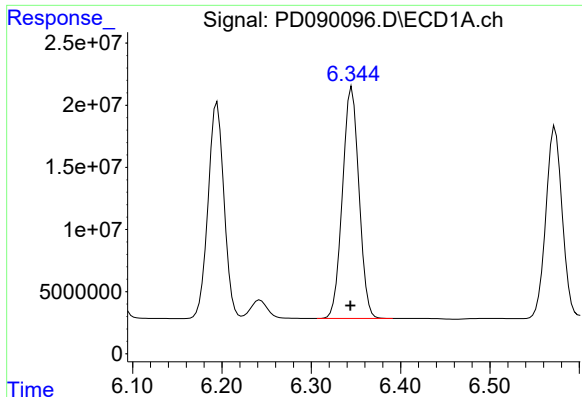
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.002 min
Response: 211820035
Conc: 48.27 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1333639381
Conc: 46.27 ng/ml



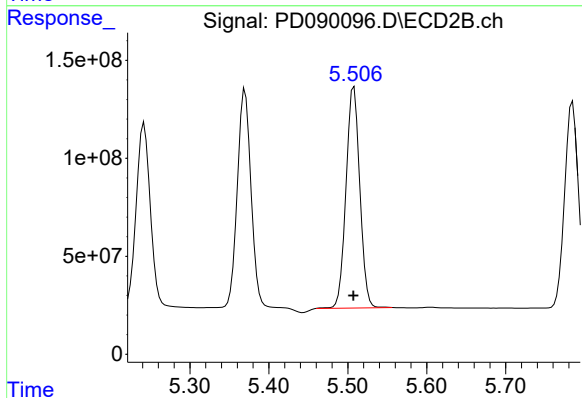
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.002 min
Response: 238709234
Conc: 48.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

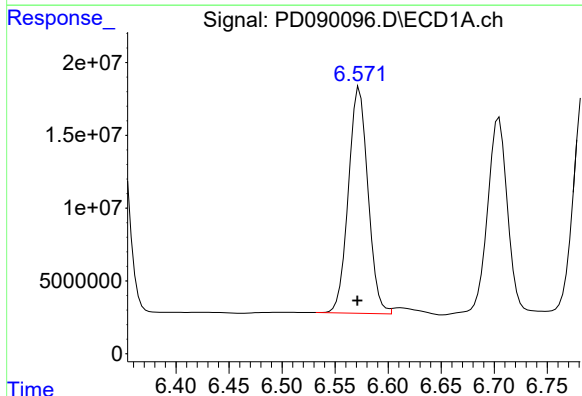
Manual Integrations
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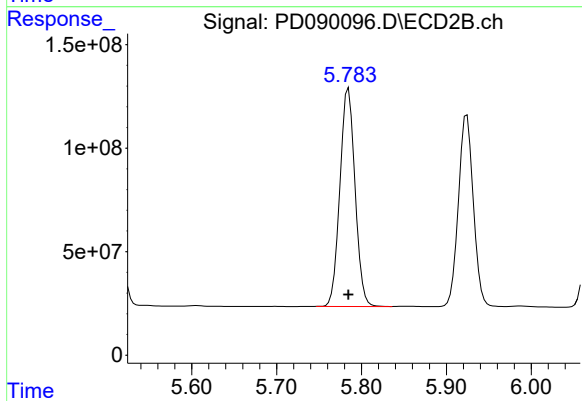
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1374436335
Conc: 46.93 ng/ml



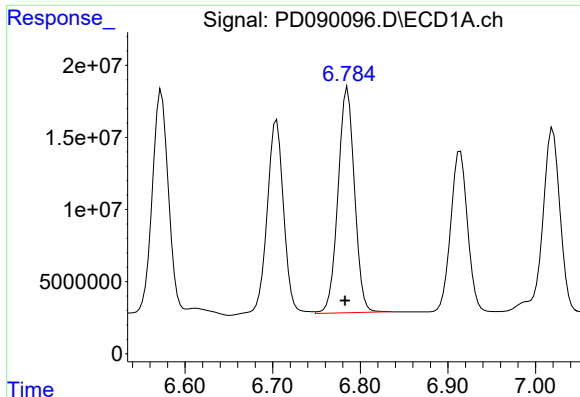
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 199003686
Conc: 48.03 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1303848713
Conc: 48.96 ng/ml



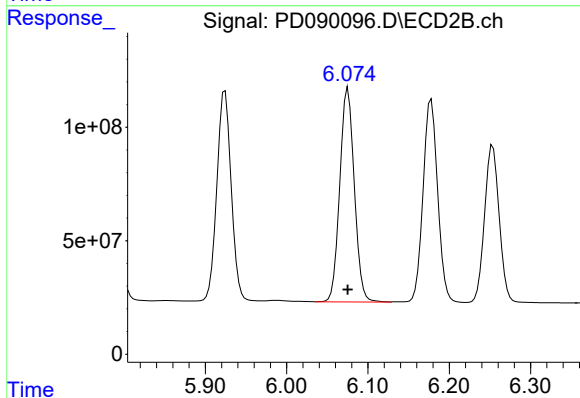
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.003 min
Response: 203999106
Conc: 48.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

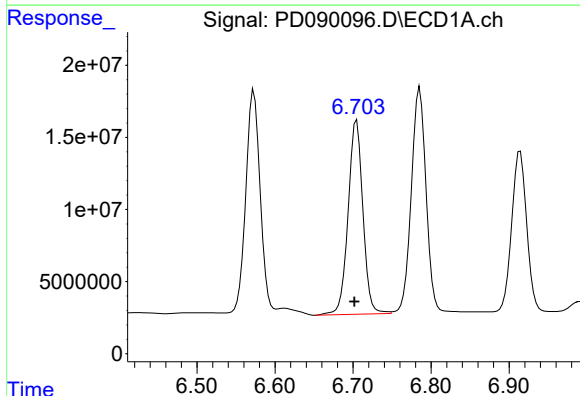
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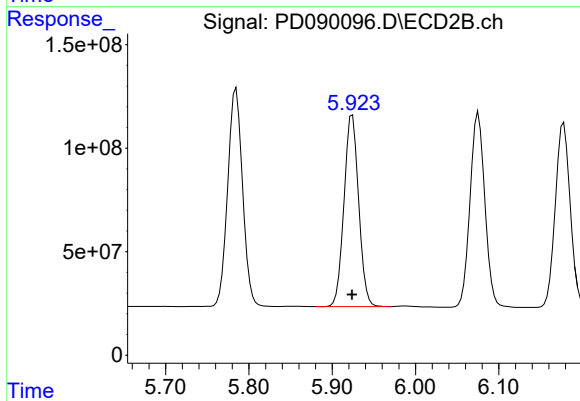
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1166435371
Conc: 46.11 ng/ml



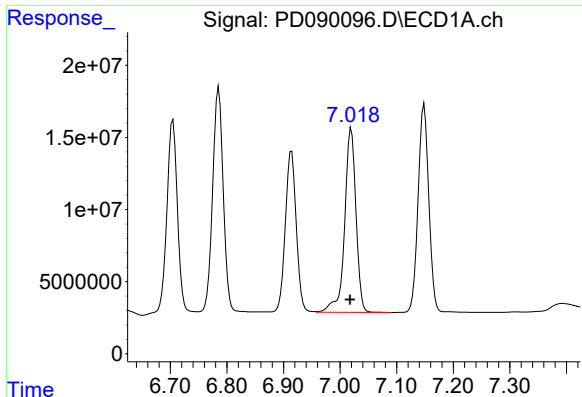
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.003 min
Response: 177177952
Conc: 51.22 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1129905977
Conc: 46.99 ng/ml



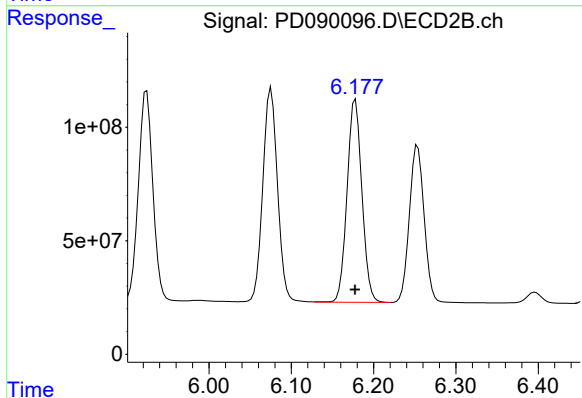
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 177948851
Conc: 46.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

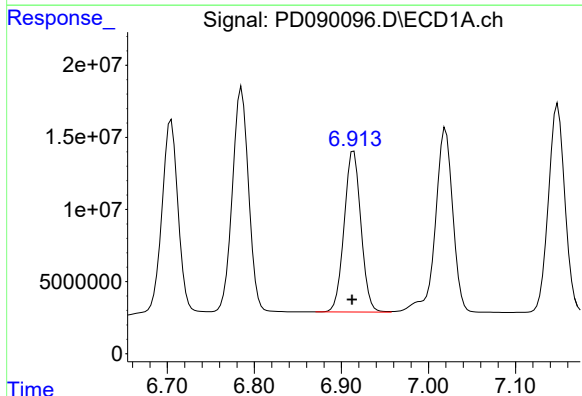
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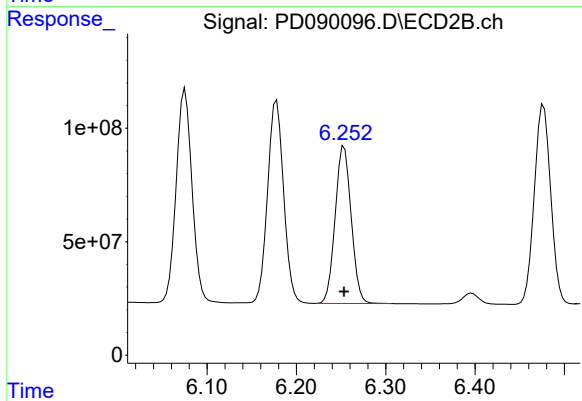
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1119296382
Conc: 44.65 ng/ml



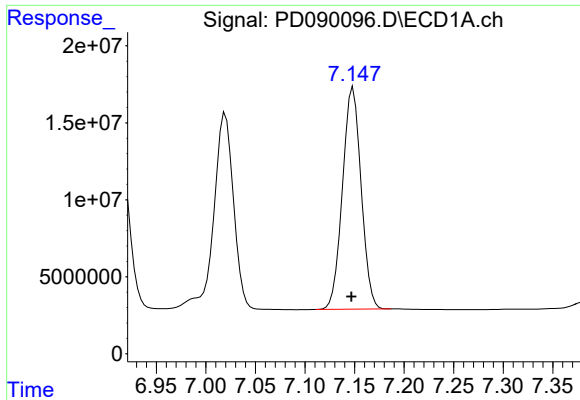
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 149318419
Conc: 52.08 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 862536388
Conc: 50.09 ng/ml



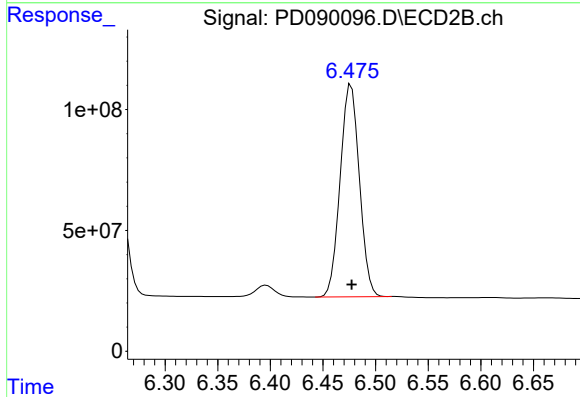
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 188679612
Conc: 48.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

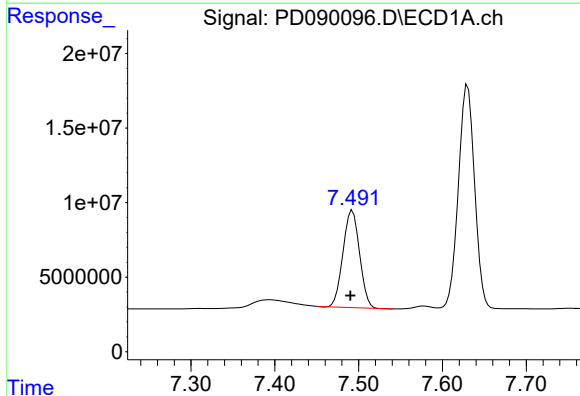
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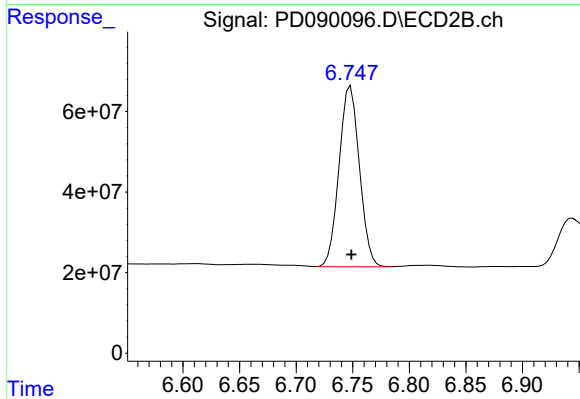
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 1121114332
Conc: 45.99 ng/ml



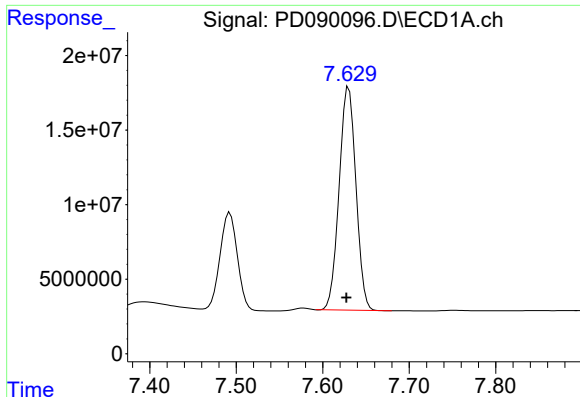
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.002 min
Response: 89434870
Conc: 44.59 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 562430664
Conc: 43.61 ng/ml



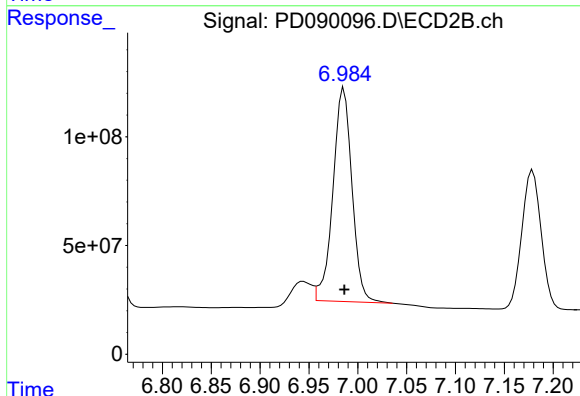
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.003 min
Response: 200896728
Conc: 48.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169465BSD

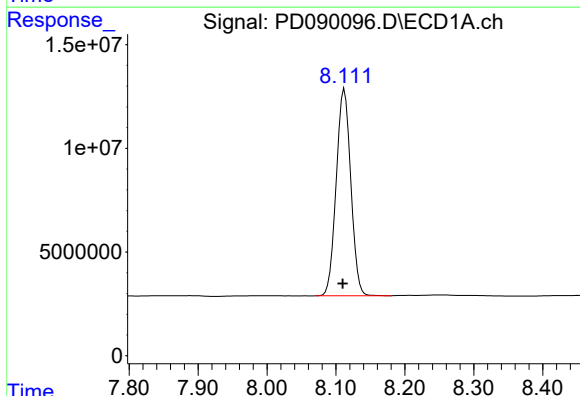
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



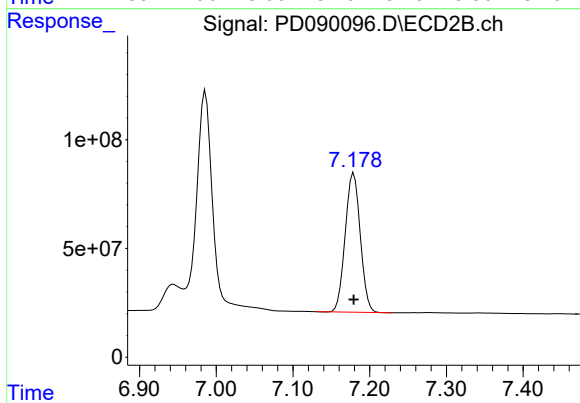
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: -0.002 min
Response: 1329883244
Conc: 49.91 ng/ml m



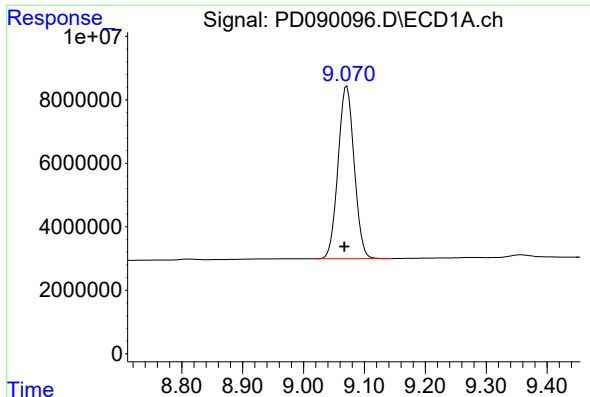
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.003 min
Response: 146477309
Conc: 46.43 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 878314172
Conc: 42.52 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 99968730
Conc: 23.16 ng/ml

Instrument :

ECD_D

ClientSampleId :

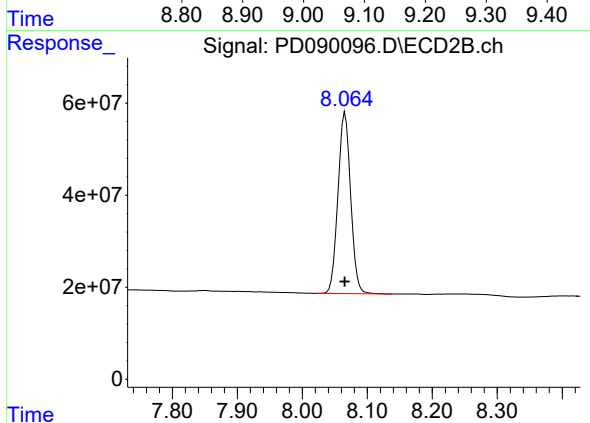
PB169465BSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/02/2025

Supervised By :mohammad ahmed 09/03/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 534812386
Conc: 20.66 ng/ml