

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100125\
 Data File : PD090479.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Oct 2025 10:33
 Operator : AR\AJ
 Sample : PB169857BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169857BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 01:39:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.552	2.874	59013605	495.8E6	18.155	18.061
28)	SA Decachlor...	9.075	8.063	103.0E6	642.6E6	21.338	19.825
Target Compounds							
2)	A alpha-BHC	4.002	3.387	347.9E6	1968.1E6	49.813	44.952
3)	MA gamma-BHC...	4.333	3.723	322.9E6	1819.3E6	48.802	44.662
4)	MA Heptachlor	4.930	4.076	329.5E6	1819.8E6	49.832m	44.693
5)	MB Aldrin	5.272	4.361	313.0E6	1770.1E6	49.289	44.324
6)	B beta-BHC	4.520	4.019	123.8E6	784.9E6	47.984	45.280
7)	B delta-BHC	4.767	4.255	333.9E6	1879.2E6	51.707m	45.507
8)	B Heptachlo...	5.692	4.865	286.3E6	1680.1E6	50.103	45.573
9)	A Endosulfan I	6.076	5.239	267.4E6	1481.4E6	49.503	42.807
10)	B gamma-Chl...	5.948	5.117	275.4E6	1738.3E6	48.208	44.247
11)	B alpha-Chl...	6.028	5.182	300.6E6	1663.4E6	52.188m	44.164
12)	B 4,4'-DDE	6.198	5.366	259.2E6	1723.0E6	49.773	45.013
13)	MA Dieldrin	6.349	5.504	290.3E6	1746.1E6	50.354	44.835
14)	MA Endrin	6.576	5.782	255.0E6	1782.5E6	52.107	49.745
15)	B Endosulfa...	6.788	6.072	236.6E6	1537.4E6	48.506m	45.551
16)	A 4,4'-DDD	6.707	5.921	208.1E6	1452.6E6	50.780m	44.795
17)	MA 4,4'-DDT	7.024	6.175	236.5E6	1569.9E6	53.115	45.665
18)	B Endrin al...	6.916	6.251	190.3E6	1198.5E6	55.466m	50.899
19)	B Endosulfa...	7.152	6.474	239.2E6	1535.4E6	51.997	46.967
20)	A Methoxychlor	7.495	6.746	129.8E6	801.9E6	55.063m	46.086
21)	B Endrin ke...	7.633	6.982	258.3E6	1906.8E6	52.218	52.814m
22)	Mirex	8.113	7.176	163.6E6	1089.4E6	44.166m	39.461

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100125\
Data File : PD090479.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 Oct 2025 10:33
Operator : AR\AJ
Sample : PB169857BS
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169857BS

Manual Integrations

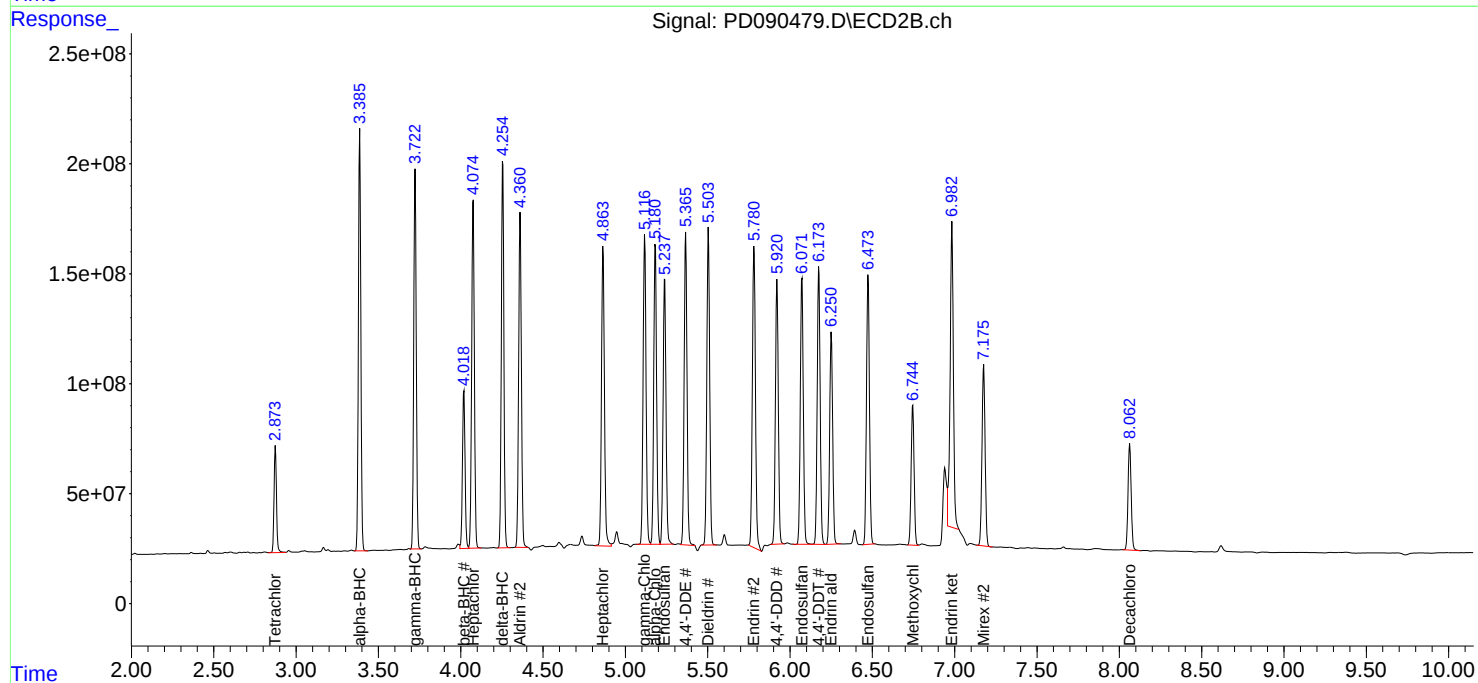
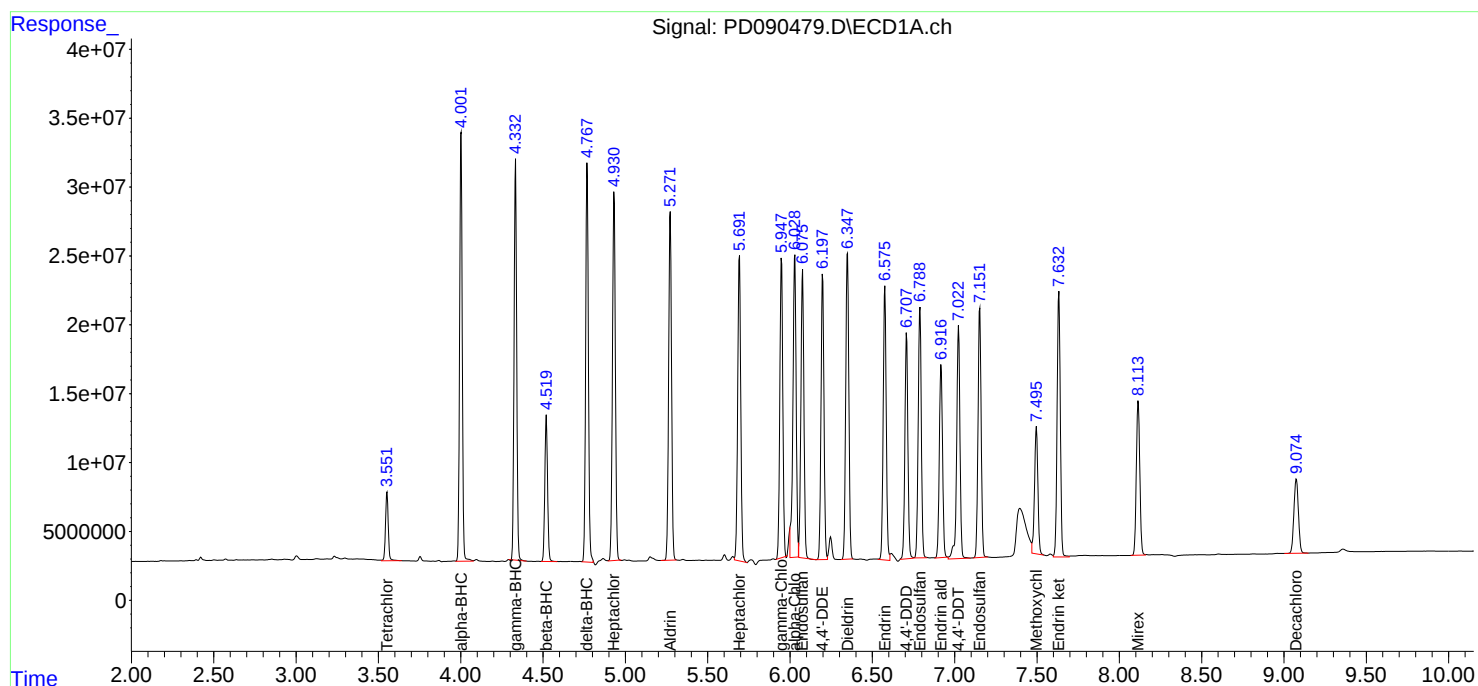
APPROVED

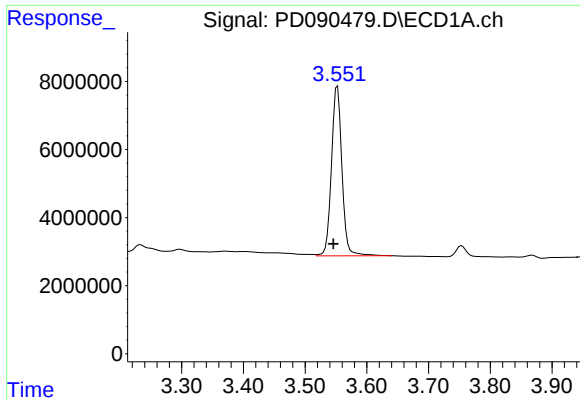
Reviewed By :Abdul Mirza 10/03/2025

Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 03 01:39:29 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





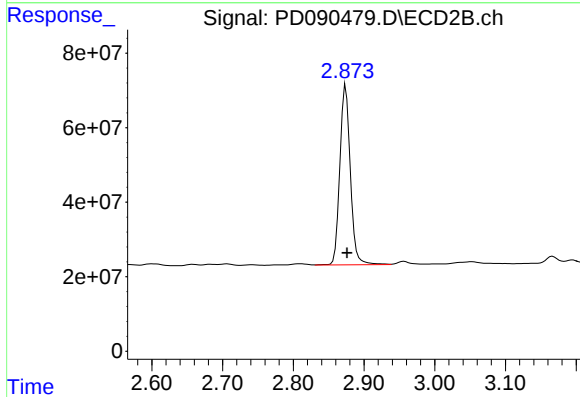
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 59013605
Conc: 18.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

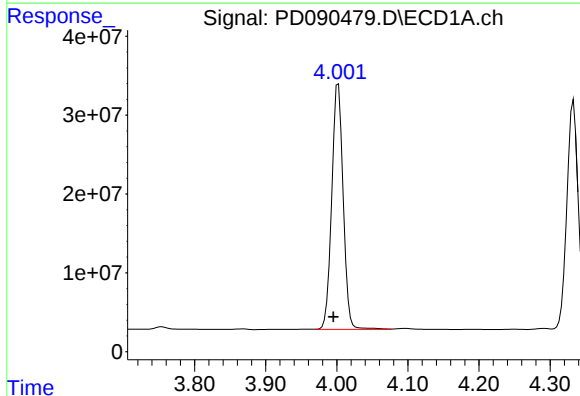
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



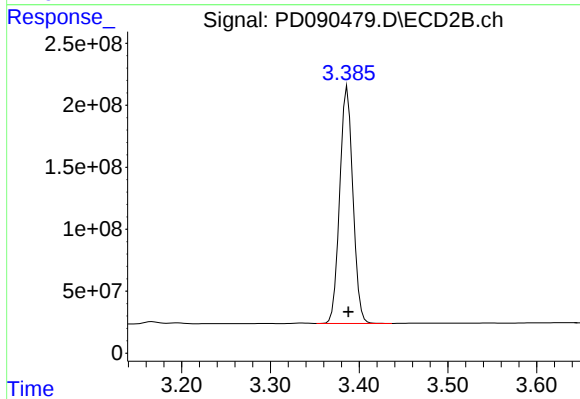
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 495766932
Conc: 18.06 ng/ml



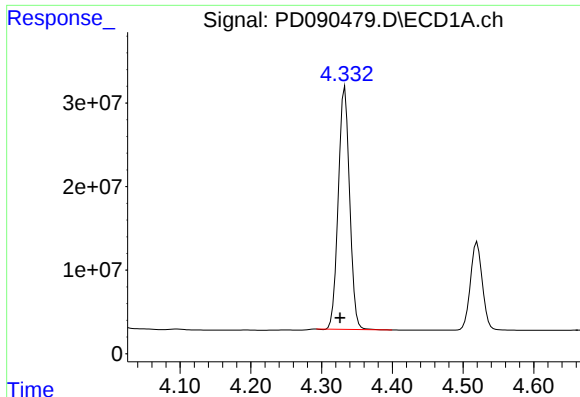
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.007 min
Response: 347918760
Conc: 49.81 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 1968134702
Conc: 44.95 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 322914927
Conc: 48.80 ng/ml

Instrument :

ECD_D

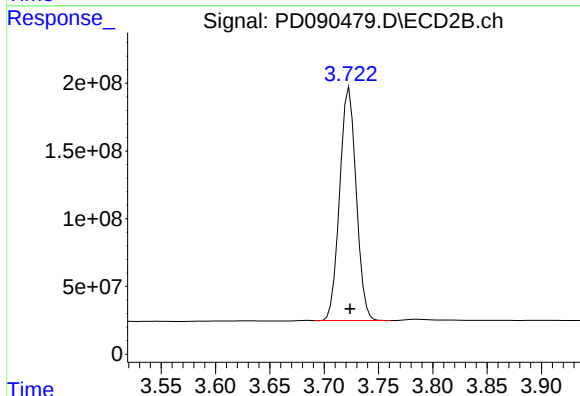
ClientSampleId :

PB169857BS

Manual Integrations

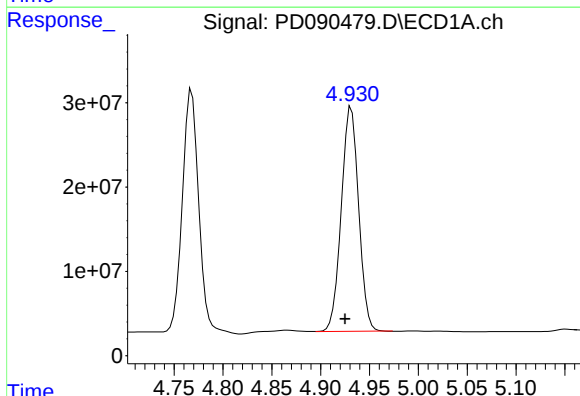
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



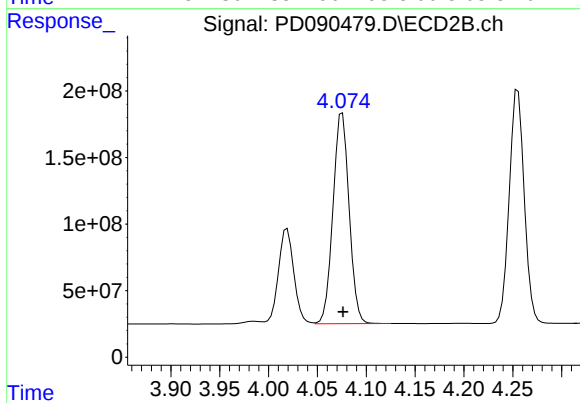
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1819319274
Conc: 44.66 ng/ml



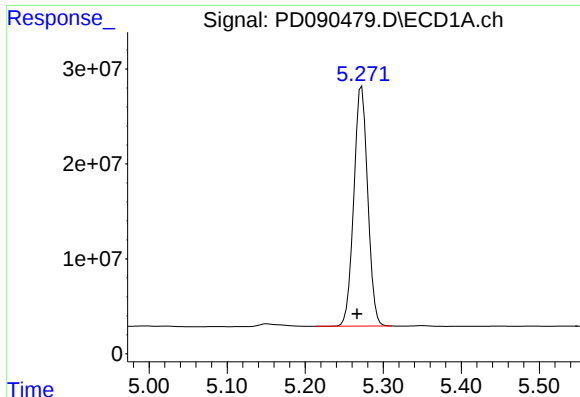
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.005 min
Response: 329519461
Conc: 49.83 ng/ml m



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1819767469
Conc: 44.69 ng/ml



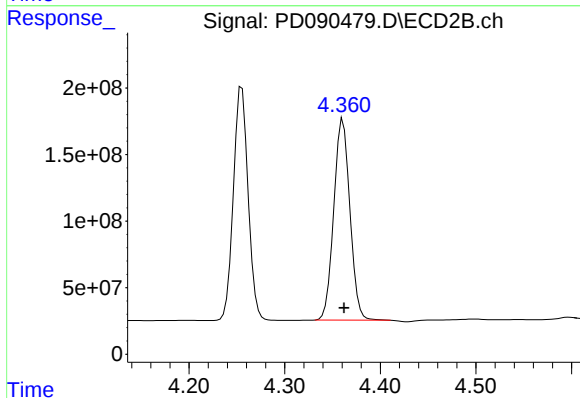
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: 0.006 min
Response: 312980523
Conc: 49.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

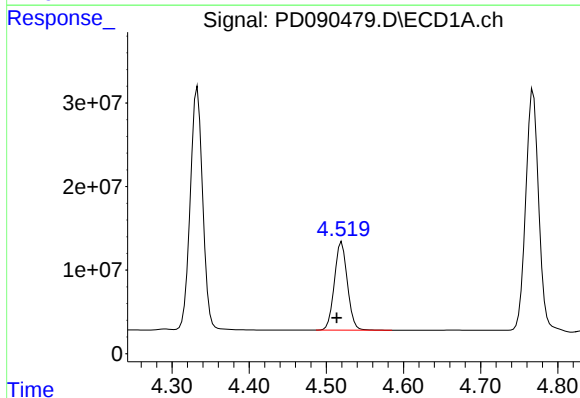
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



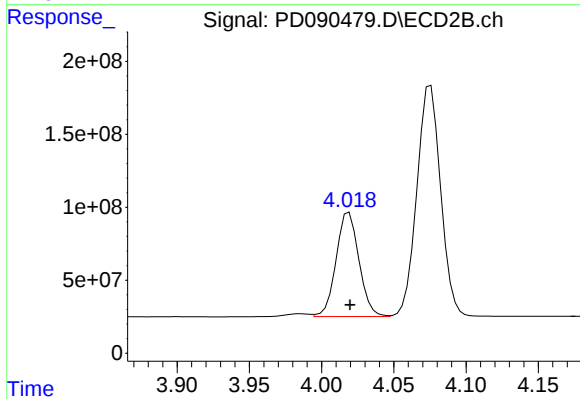
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1770096955
Conc: 44.32 ng/ml



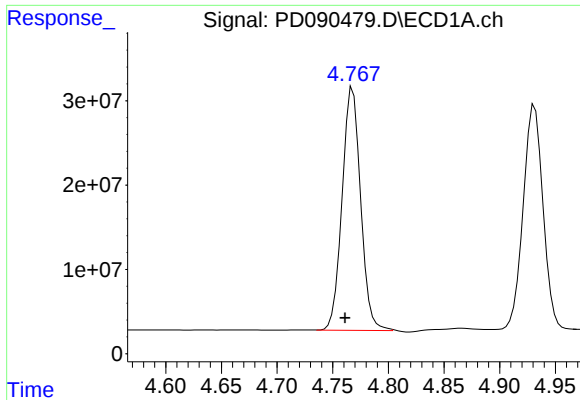
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 123795218
Conc: 47.98 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 784938193
Conc: 45.28 ng/ml



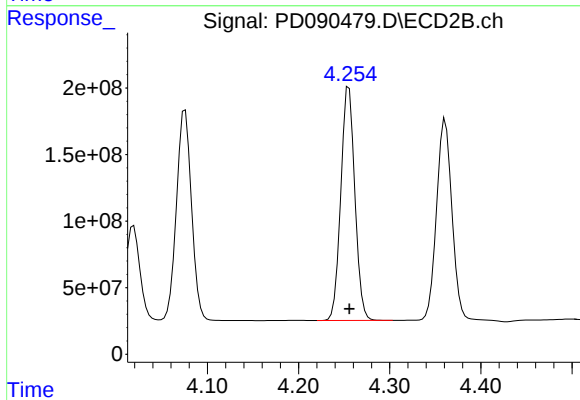
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.006 min
Response: 333896127
Conc: 51.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

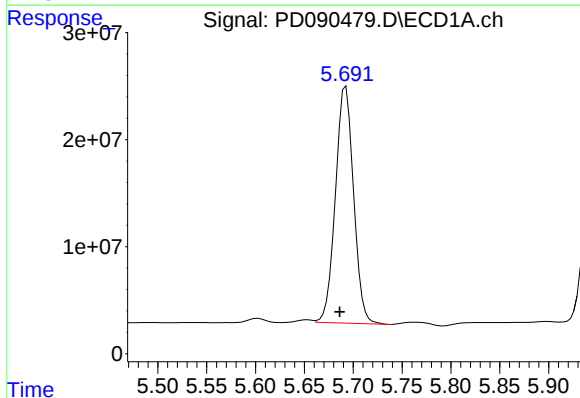
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



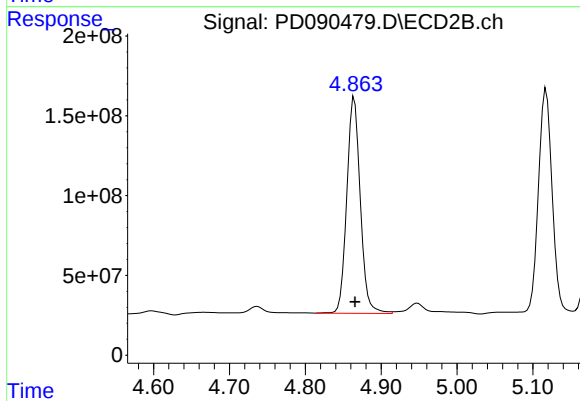
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1879185268
Conc: 45.51 ng/ml



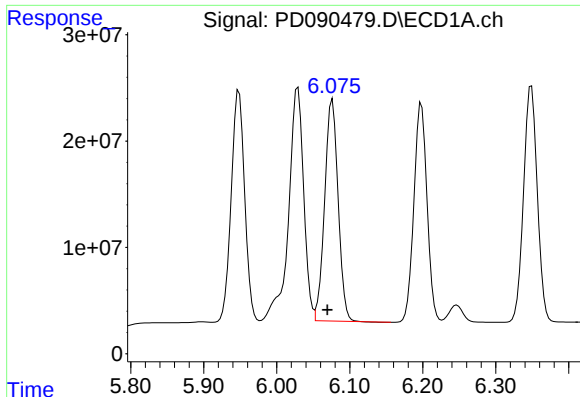
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.006 min
Response: 286335328
Conc: 50.10 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.001 min
Response: 1680050033
Conc: 45.57 ng/ml



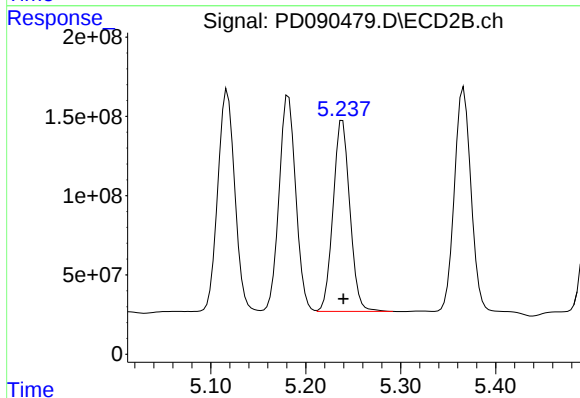
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.007 min
Response: 267388375
Conc: 49.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

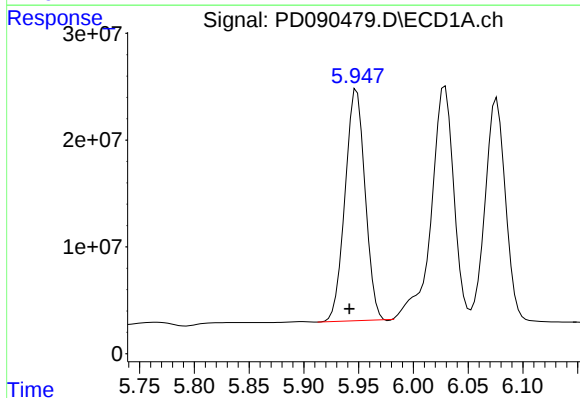
Manual Integrations APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



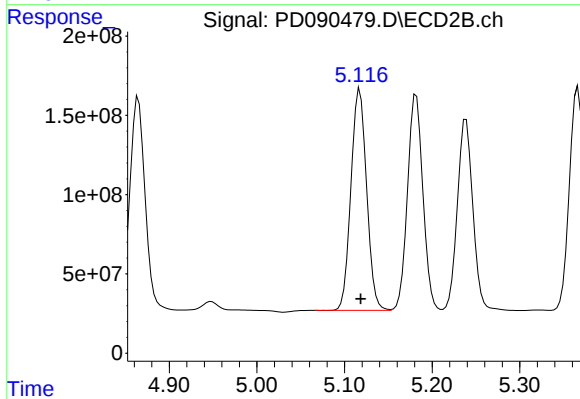
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.001 min
Response: 1481351005
Conc: 42.81 ng/ml



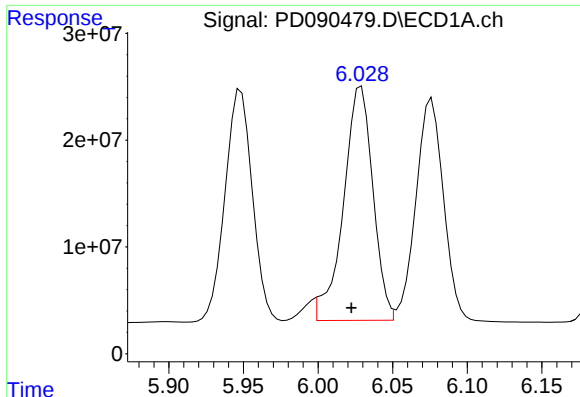
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.007 min
Response: 275362725
Conc: 48.21 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1738307661
Conc: 44.25 ng/ml



#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.005 min
Response: 300645016
Conc: 52.19 ng/ml

Instrument :

ECD_D

ClientSampleId :

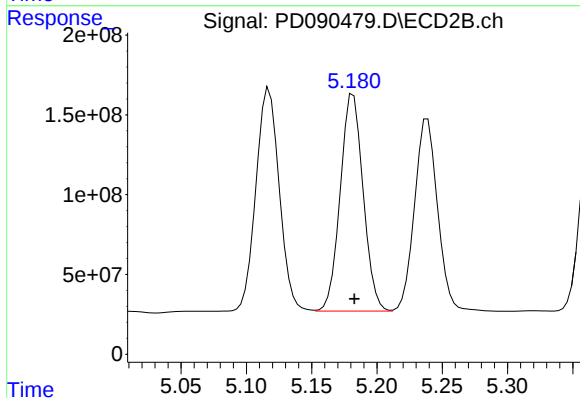
PB169857BS

Manual Integrations

APPROVED

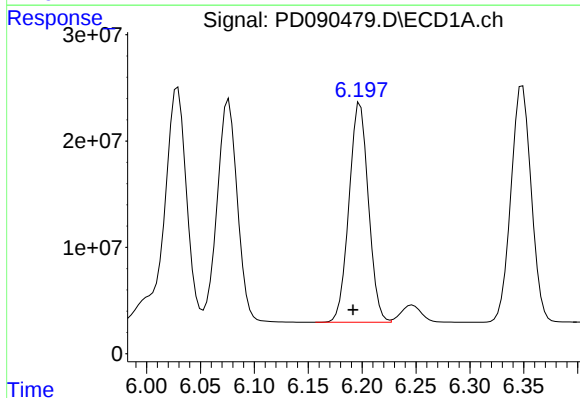
Reviewed By :Abdul Mirza 10/03/2025

Supervised By :mohammad ahmed 10/04/2025



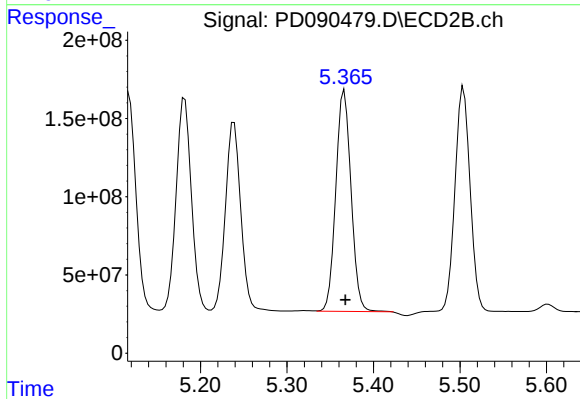
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: -0.001 min
Response: 1663430547
Conc: 44.16 ng/ml



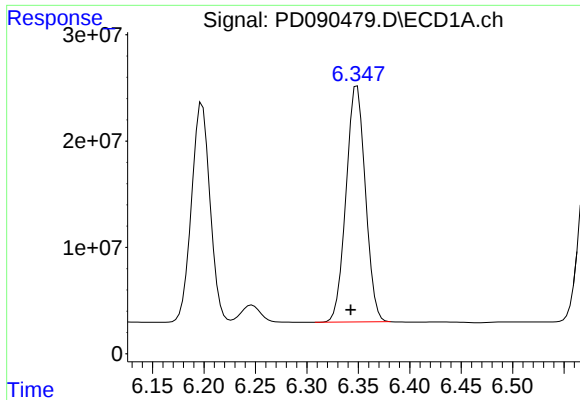
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.006 min
Response: 259192176
Conc: 49.77 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.001 min
Response: 1723037857
Conc: 45.01 ng/ml



#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.006 min
Response: 290272320
Conc: 50.35 ng/ml

Instrument :

ECD_D

ClientSampleId :

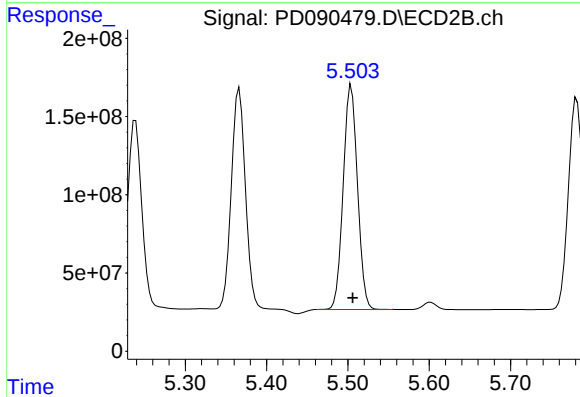
PB169857BS

Manual Integrations

APPROVED

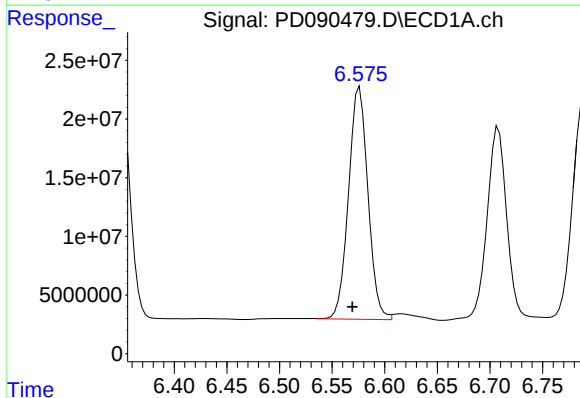
Reviewed By :Abdul Mirza 10/03/2025

Supervised By :mohammad ahmed 10/04/2025



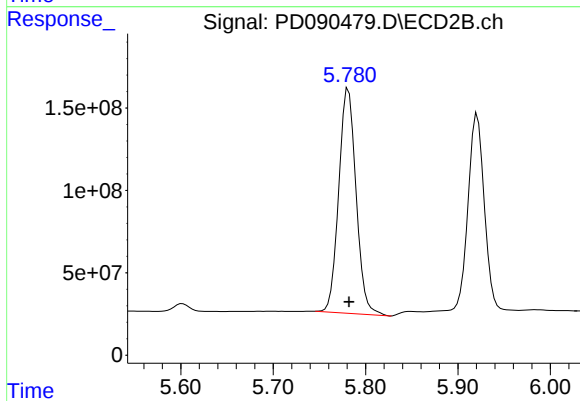
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1746136176
Conc: 44.83 ng/ml



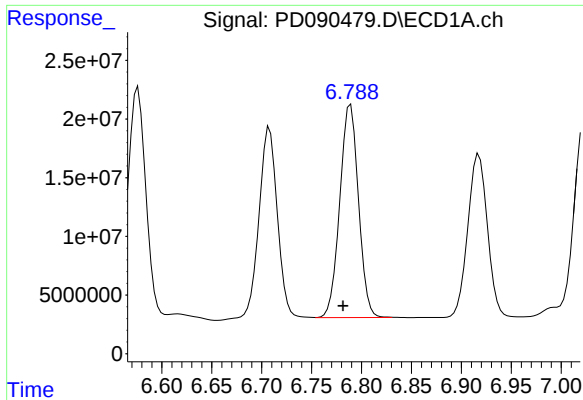
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.007 min
Response: 255007459
Conc: 52.11 ng/ml



#14 Endrin

R.T.: 5.782 min
Delta R.T.: 0.000 min
Response: 1782471787
Conc: 49.75 ng/ml



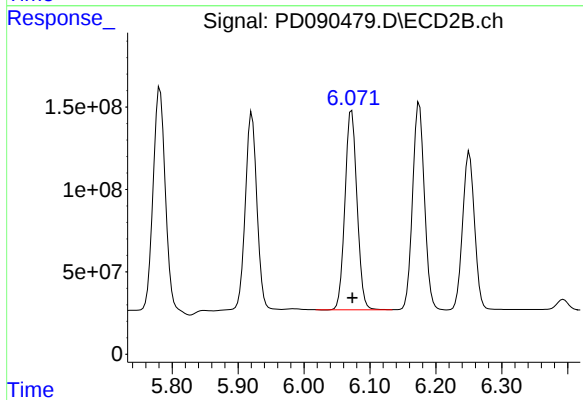
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.006 min
Response: 236605329
Conc: 48.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

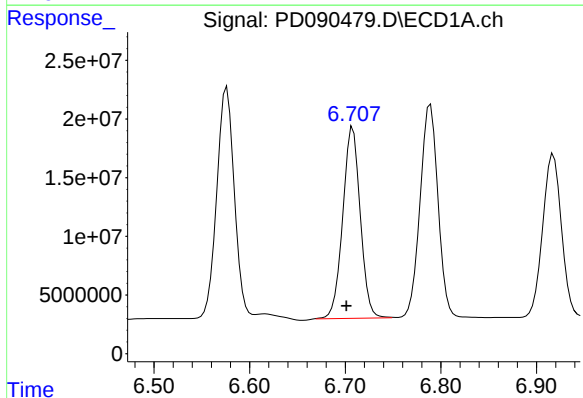
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



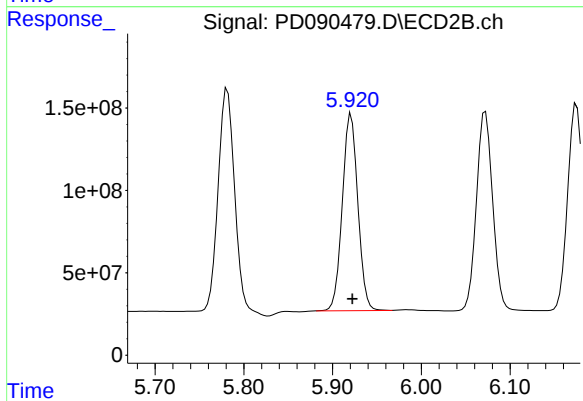
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1537390434
Conc: 45.55 ng/ml



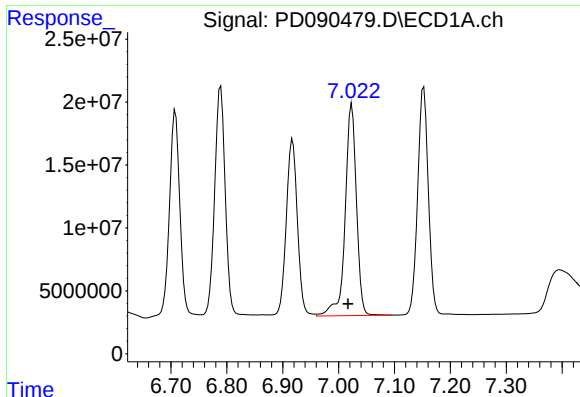
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.005 min
Response: 208088719
Conc: 50.78 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1452609967
Conc: 44.80 ng/ml



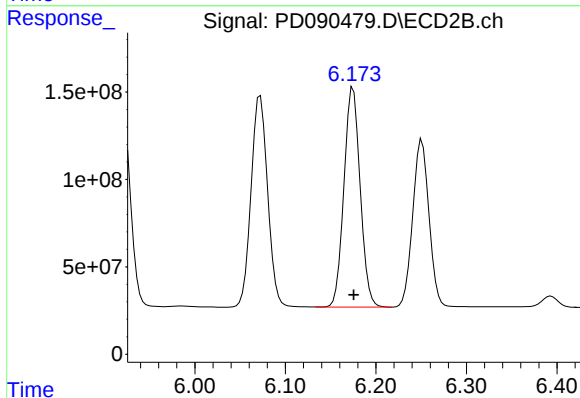
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.007 min
Response: 236494063
Conc: 53.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

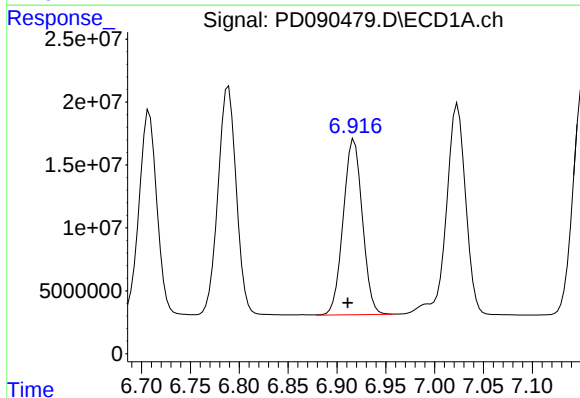
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



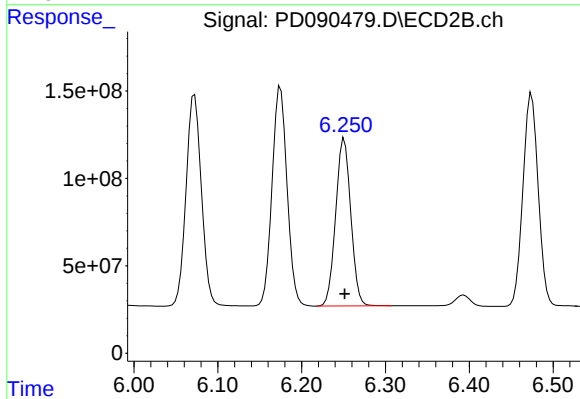
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 1569923729
Conc: 45.67 ng/ml



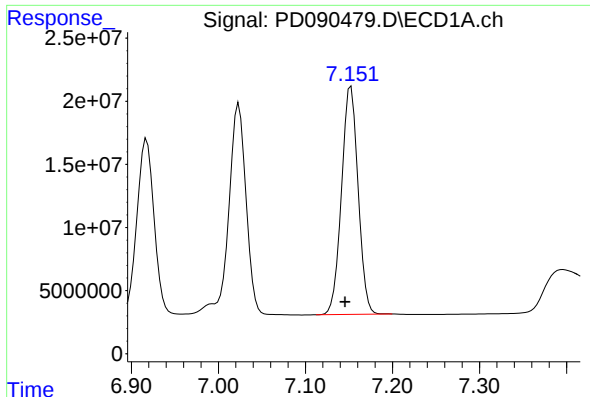
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.005 min
Response: 190280141
Conc: 55.47 ng/ml m



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1198517559
Conc: 50.90 ng/ml



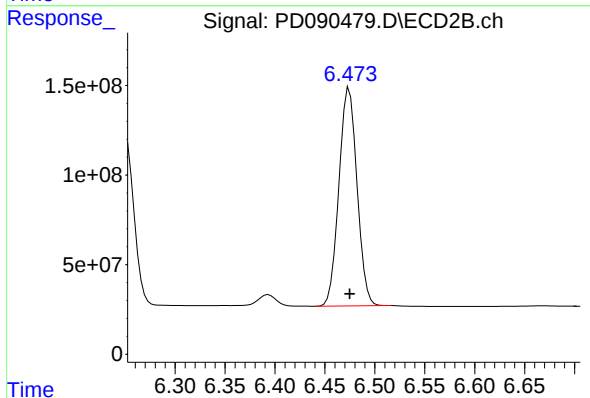
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.007 min
Response: 239204932
Conc: 52.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

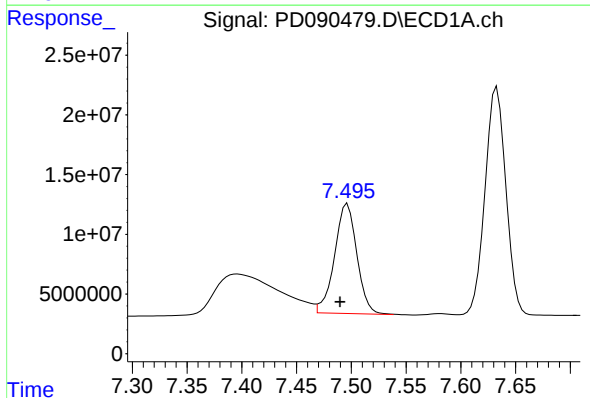
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



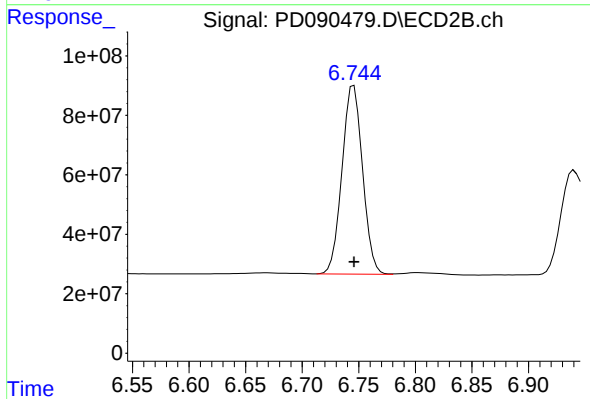
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1535357454
Conc: 46.97 ng/ml



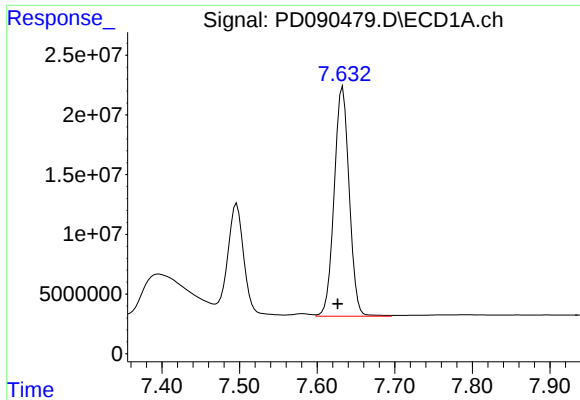
#20 Methoxychlor

R.T.: 7.495 min
Delta R.T.: 0.005 min
Response: 129756827
Conc: 55.06 ng/ml m



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 801920079
Conc: 46.09 ng/ml



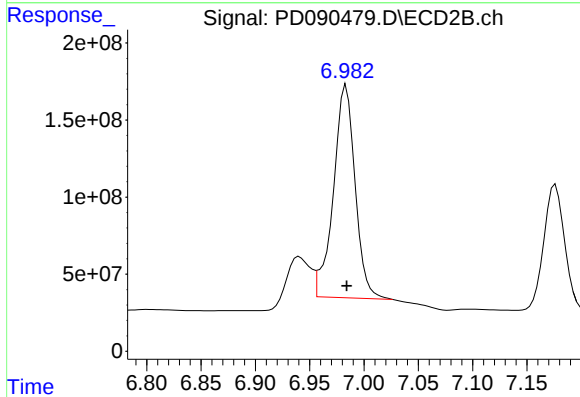
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.006 min
Response: 258339907
Conc: 52.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169857BS

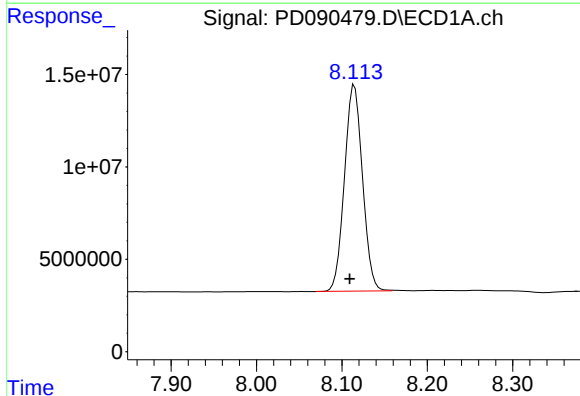
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/03/2025
Supervised By :mohammad ahmed 10/04/2025



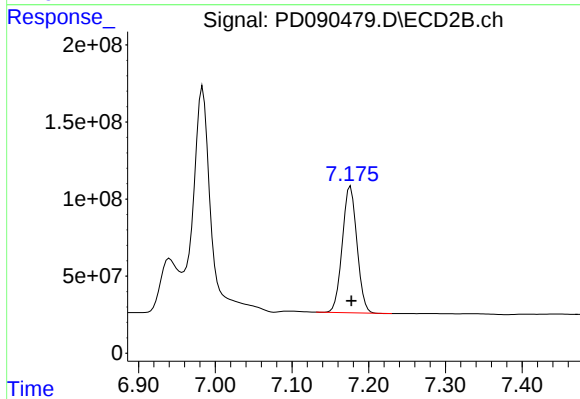
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1906752342
Conc: 52.81 ng/ml m



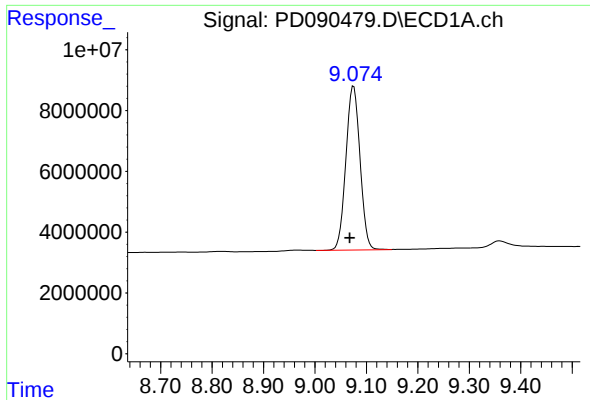
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 163628098
Conc: 44.17 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.001 min
Response: 1089366753
Conc: 39.46 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.008 min
Response: 102956453
Conc: 21.34 ng/ml

Instrument :

ECD_D

ClientSampleId :

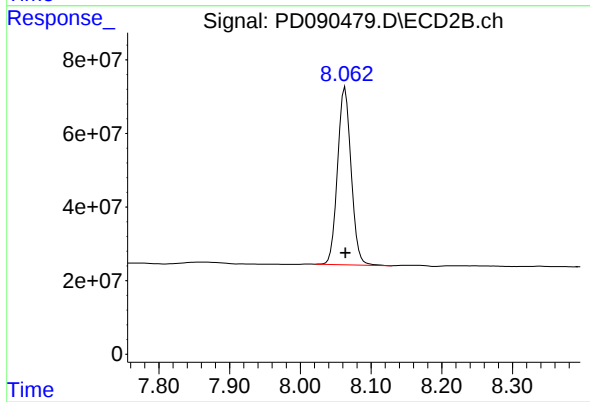
PB169857BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/03/2025

Supervised By :mohammad ahmed 10/04/2025



#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 642633174
Conc: 19.83 ng/ml