

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
 Data File : PD090200.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Sep 2025 18:16
 Operator : AR\AJ
 Sample : PB169601BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169601BS

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 09 01:43:32 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...	3.551	2.877	56704412	458.1E6	19.321m	20.773
28)	SA Decachlor...	9.071	8.064	83079080	467.6E6	19.249	18.066
Target Compounds							
2)	A alpha-BHC	4.002	3.389	340.9E6	1914.4E6	56.794	56.406
3)	MA gamma-BHC...	4.332	3.725	325.2E6	1782.5E6	56.792	57.187
4)	MA Heptachlor	4.930	4.077	312.3E6	1722.5E6	55.677	55.222
5)	MB Aldrin	5.271	4.363	319.5E6	1774.5E6	59.013	58.264
6)	B beta-BHC	4.519	4.021	124.1E6	763.8E6	55.320	57.300
7)	B delta-BHC	4.767	4.257	239.0E6	1389.9E6	46.162	44.053
8)	B Heptachlo...	5.691	4.867	283.6E6	1605.8E6	57.794	57.982
9)	A Endosulfan I	6.075	5.241	261.9E6	1501.5E6	56.746	57.261
10)	B gamma-Chl...	5.947	5.119	283.1E6	1737.7E6	57.889	58.684
11)	B alpha-Chl...	6.027	5.184	279.8E6	1658.5E6	56.839	58.115
12)	B 4,4'-DDE	6.196	5.368	250.3E6	1687.8E6	57.041	58.557
13)	MA Dieldrin	6.347	5.506	280.3E6	1697.4E6	57.249	57.957
14)	MA Endrin	6.574	5.783	201.9E6	1395.1E6	48.724	52.385
15)	B Endosulfa...	6.787	6.074	235.4E6	1439.9E6	55.788	56.925
16)	A 4,4'-DDD	6.706	5.923	209.0E6	1461.6E6	60.427	60.788
17)	MA 4,4'-DDT	7.021	6.177	180.0E6	1243.0E6	47.245	49.582
18)	B Endrin al...	6.916	6.252	176.1E6	1083.0E6	61.426	62.893
19)	B Endosulfa...	7.150	6.476	203.8E6	1288.6E6	52.010	52.855
20)	A Methoxychlor	7.494	6.747	87032715	607.4E6	43.394	47.103
21)	B Endrin ke...	7.631	6.985	233.6E6	1531.2E6	56.354	57.469
22)	Mirex	8.113	7.178	160.1E6	1047.8E6	50.750	50.726

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090825\
Data File : PD090200.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Sep 2025 18:16
Operator : AR\AJ
Sample : PB169601BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169601BS

Manual Integrations

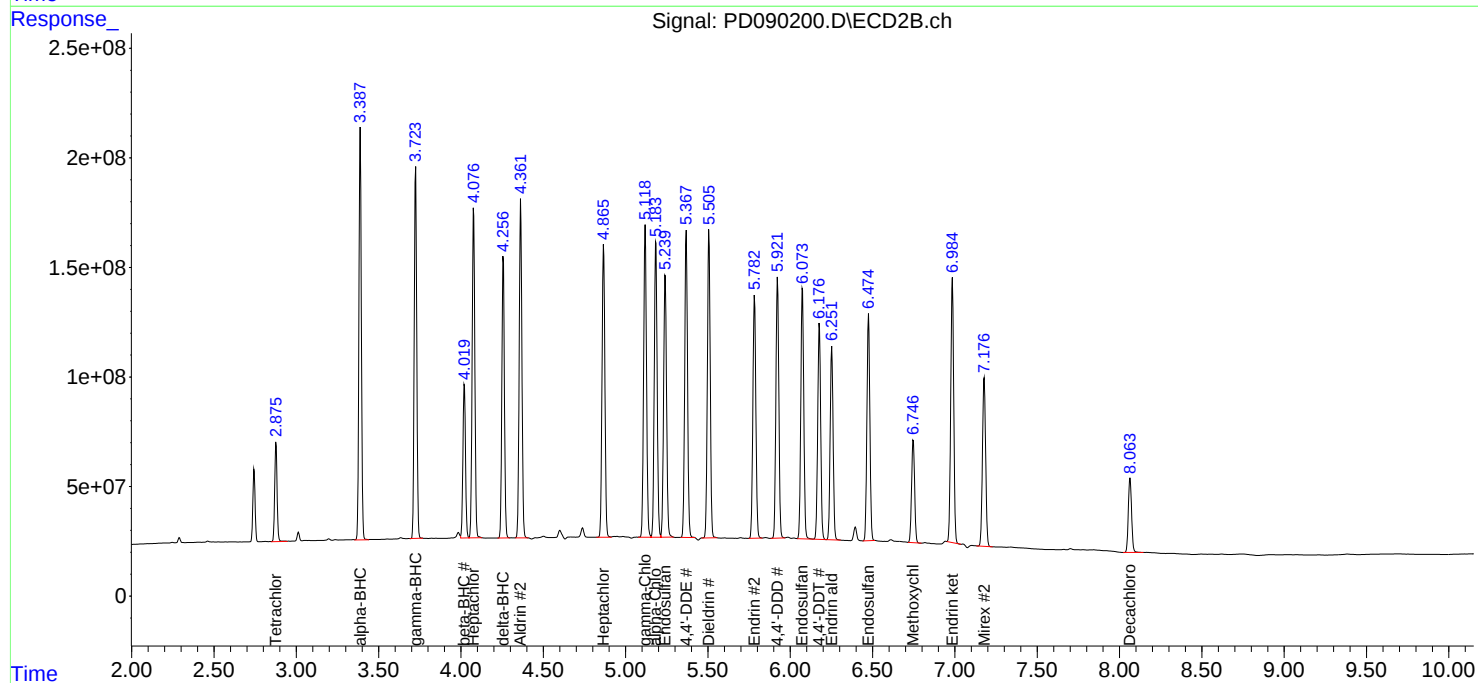
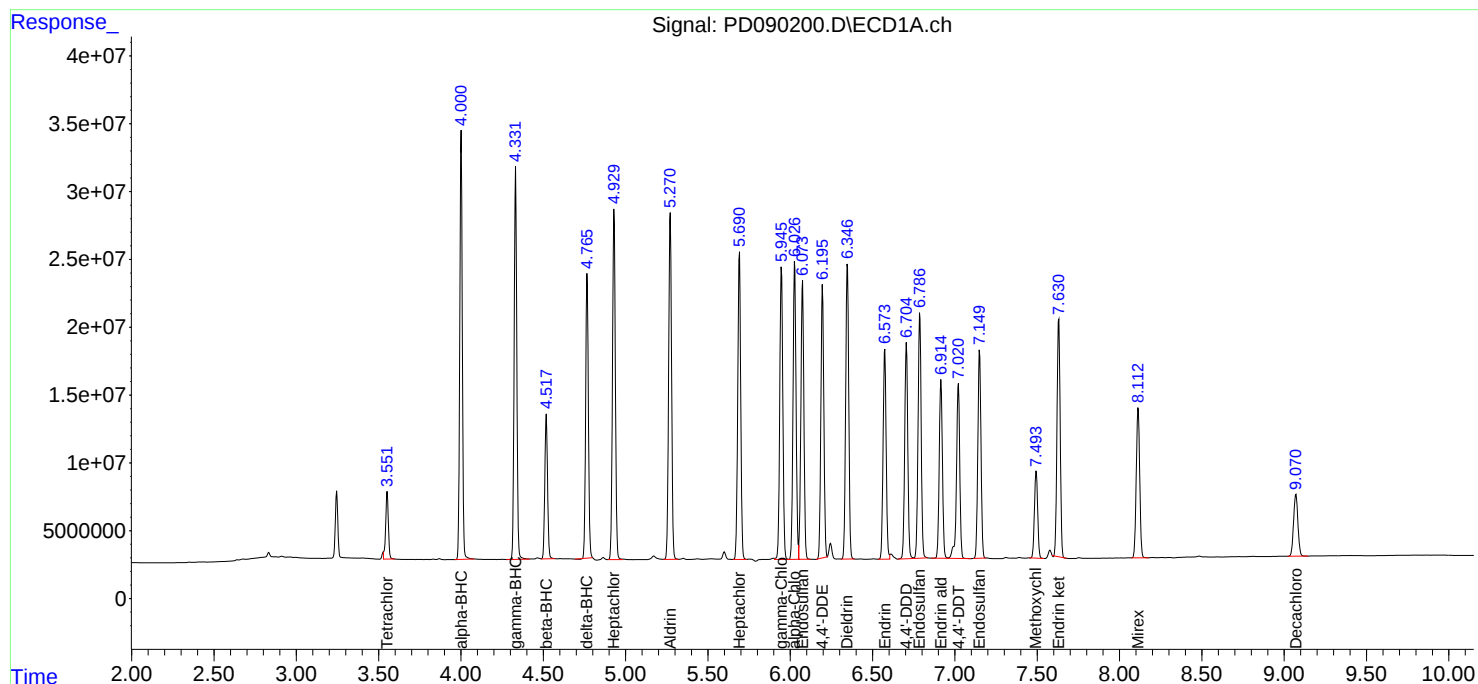
APPROVED

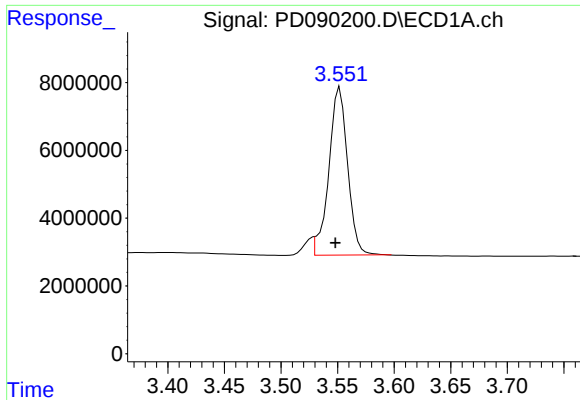
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 09 01:43:32 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





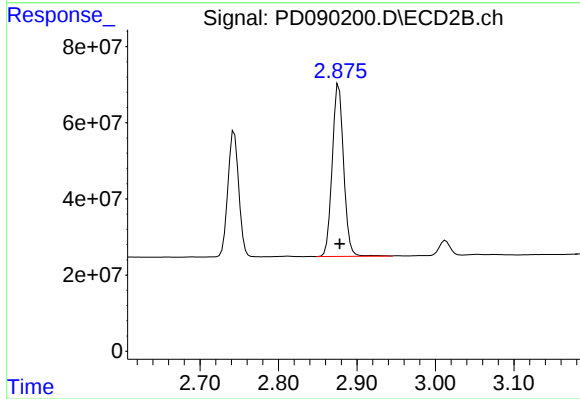
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.003 min
Response: 56704412
Conc: 19.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

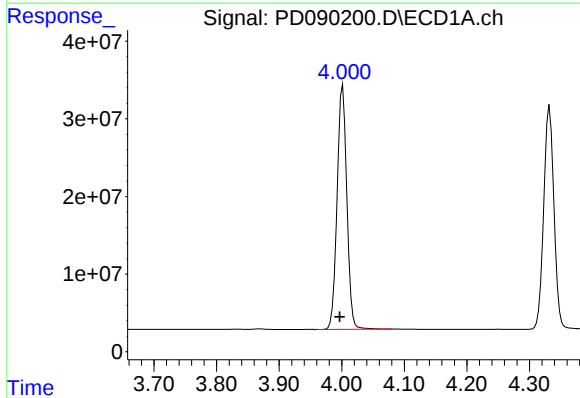
Manual Integrations
APPROVED

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



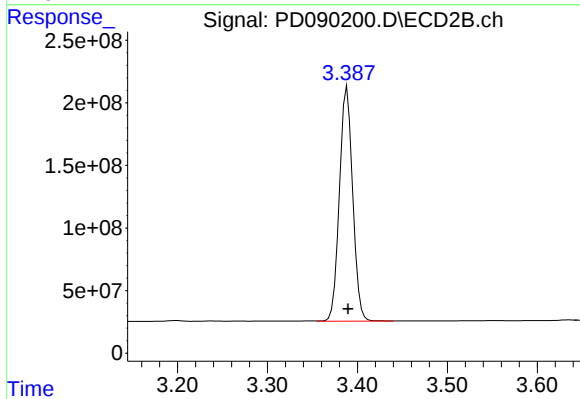
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 458056081
Conc: 20.77 ng/ml



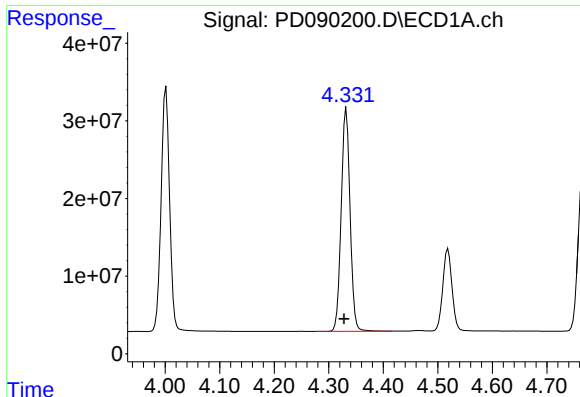
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.005 min
Response: 340892274
Conc: 56.79 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: 0.000 min
Response: 1914363397
Conc: 56.41 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.005 min
Response: 325236287
Conc: 56.79 ng/ml

Instrument :

ECD_D

ClientSampleId :

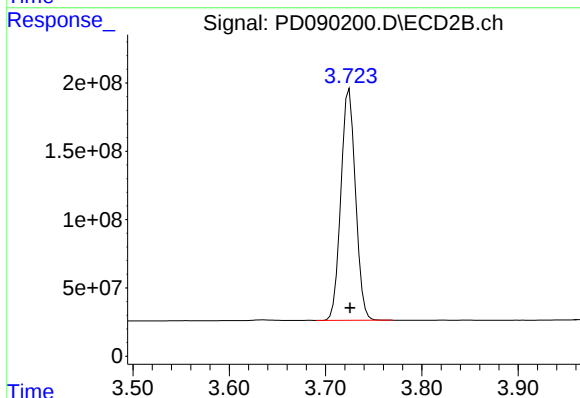
PB169601BS

Manual Integrations

APPROVED

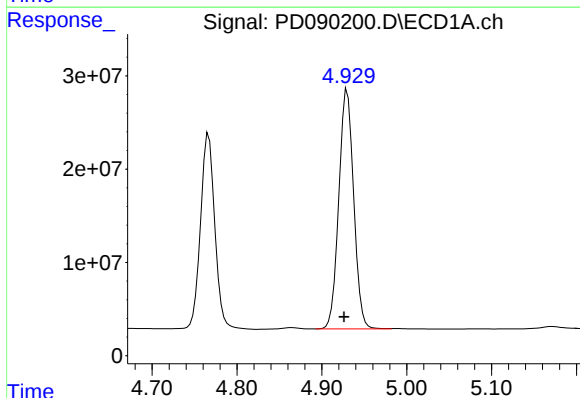
Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



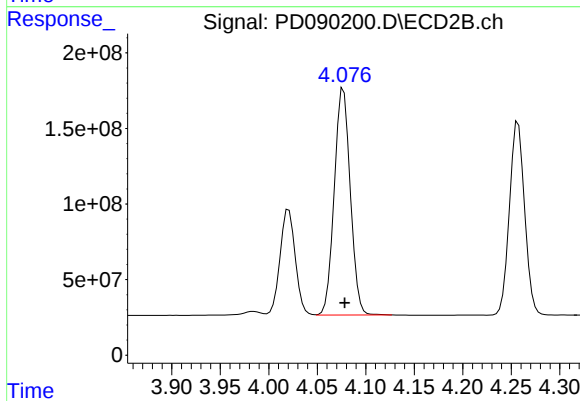
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1782548513
Conc: 57.19 ng/ml



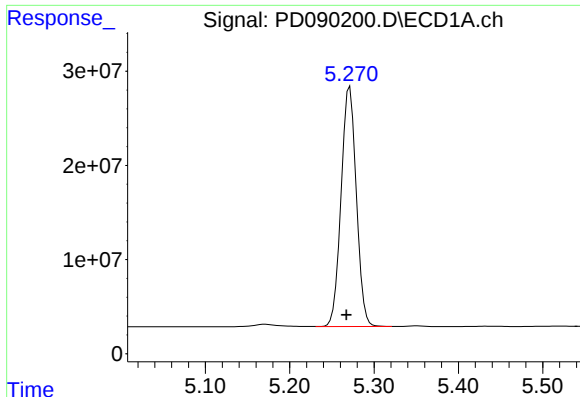
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.004 min
Response: 312304487
Conc: 55.68 ng/ml



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 1722457076
Conc: 55.22 ng/ml



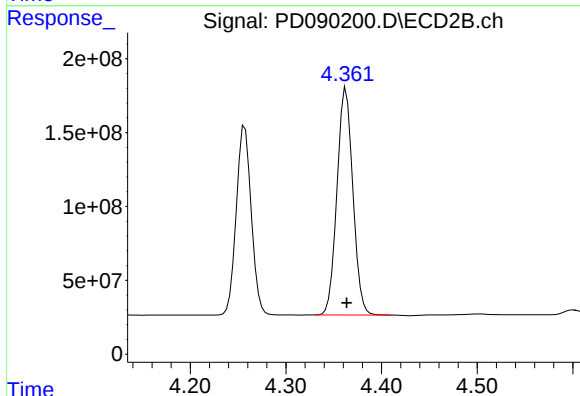
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.004 min
Response: 319525303
Conc: 59.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

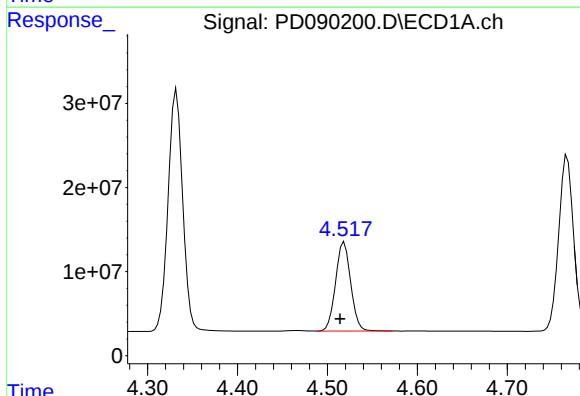
Manual Integrations
APPROVED

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



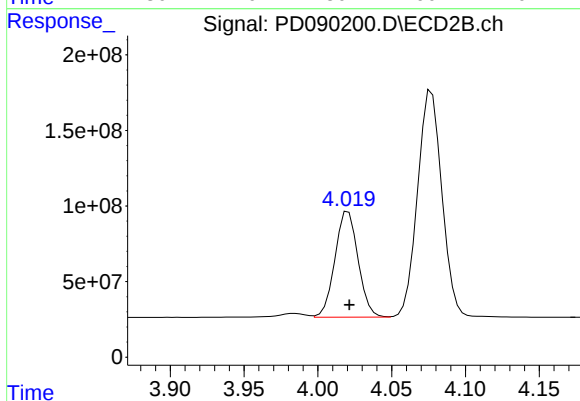
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1774475650
Conc: 58.26 ng/ml



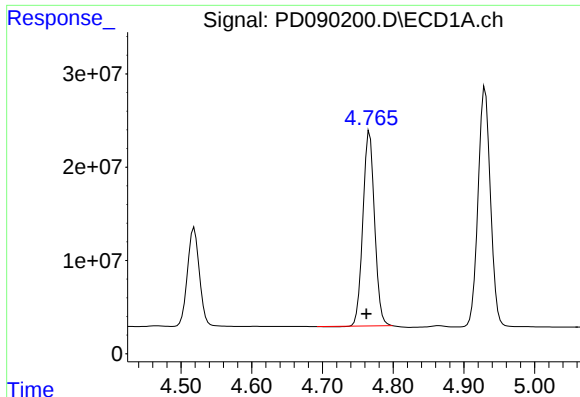
#6 beta-BHC

R.T.: 4.519 min
Delta R.T.: 0.005 min
Response: 124083616
Conc: 55.32 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 763821039
Conc: 57.30 ng/ml



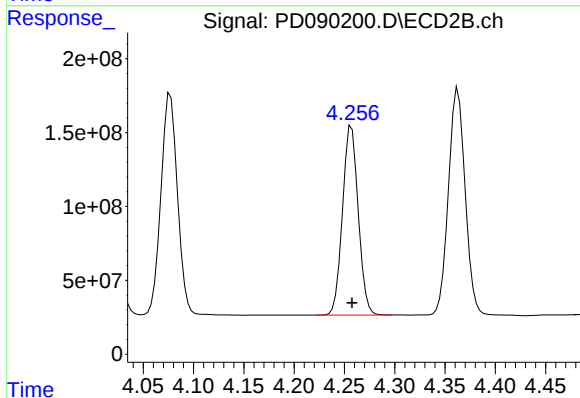
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.005 min
Response: 239012655
Conc: 46.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

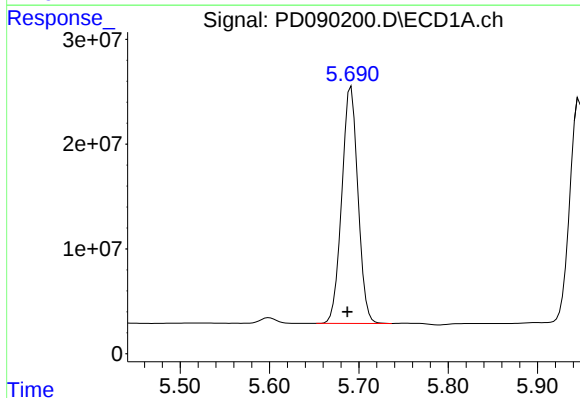
Manual Integrations
APPROVED

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



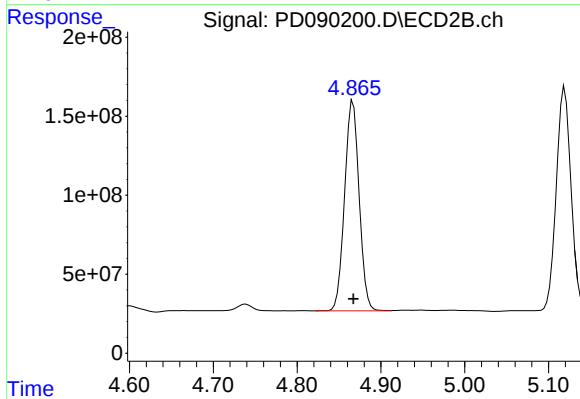
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1389857969
Conc: 44.05 ng/ml



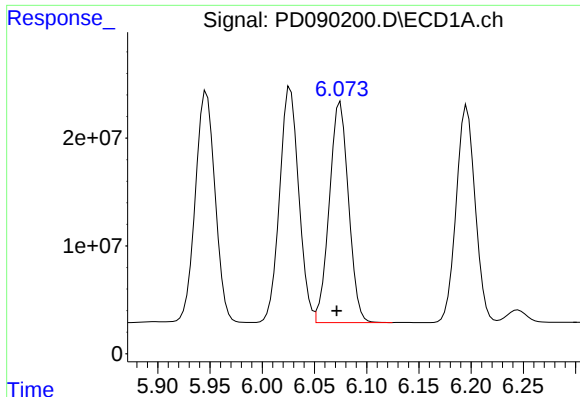
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.004 min
Response: 283582871
Conc: 57.79 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1605795508
Conc: 57.98 ng/ml



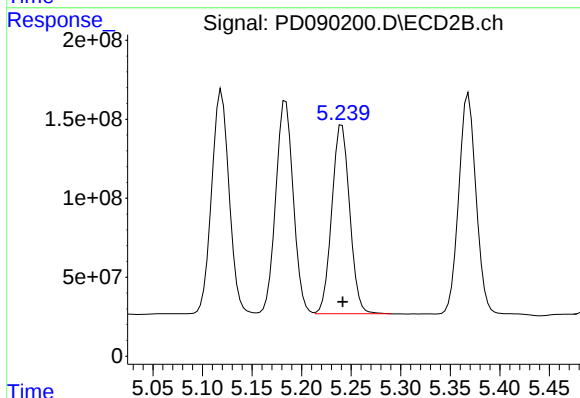
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.004 min
Response: 261877590
Conc: 56.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

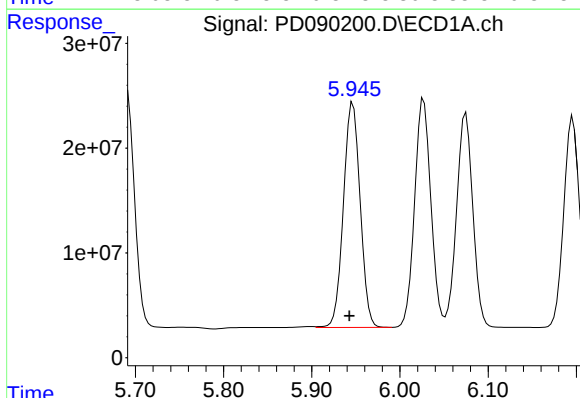
Manual Integrations
APPROVED

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



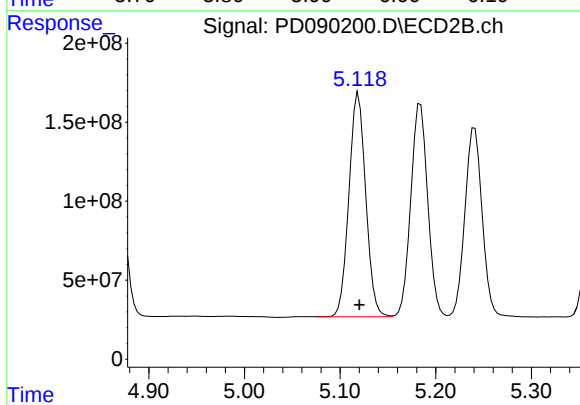
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1501488809
Conc: 57.26 ng/ml



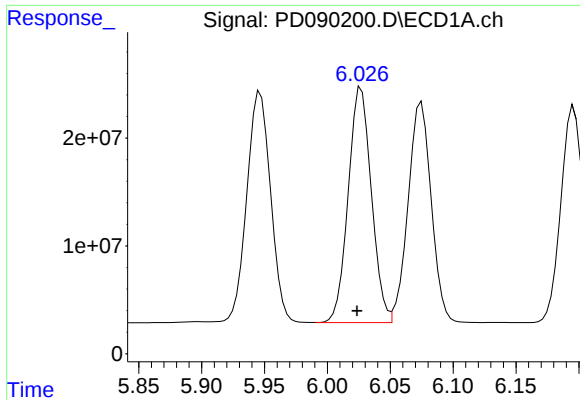
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.004 min
Response: 283131817
Conc: 57.89 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.001 min
Response: 1737713279
Conc: 58.68 ng/ml



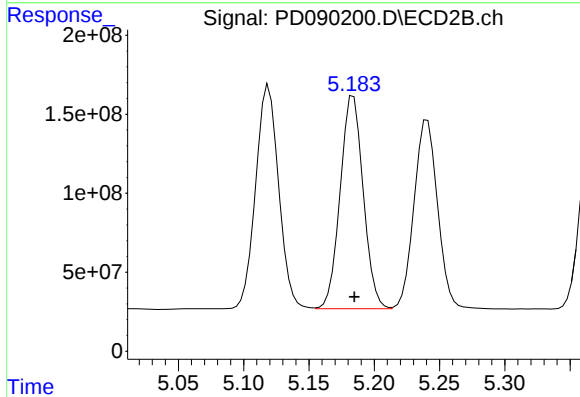
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.003 min
Response: 279784626
Conc: 56.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

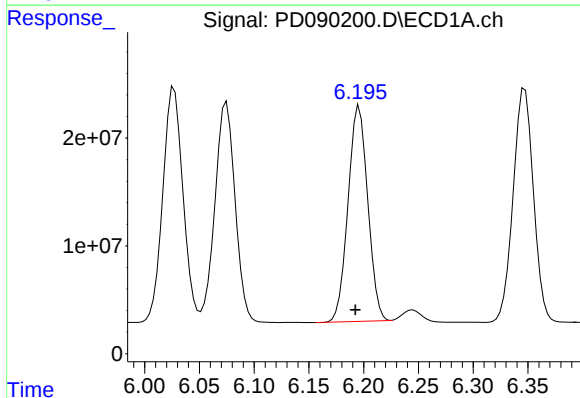
Manual Integrations
APPROVED

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



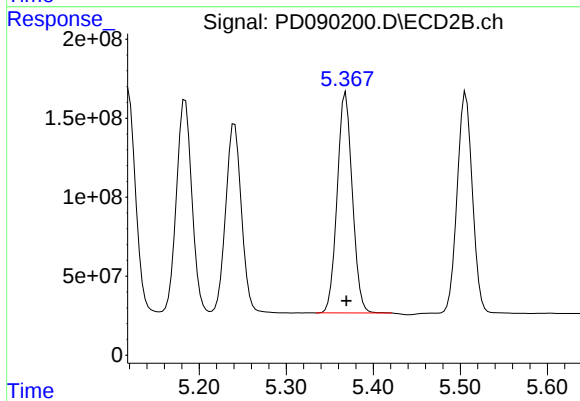
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1658494995
Conc: 58.12 ng/ml



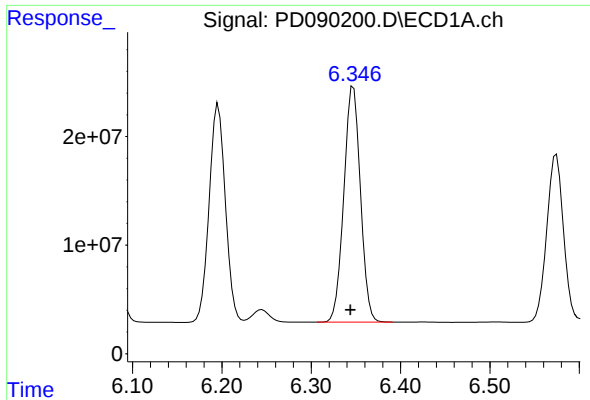
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.004 min
Response: 250312167
Conc: 57.04 ng/ml



#12 4,4'-DDE

R.T.: 5.368 min
Delta R.T.: 0.000 min
Response: 1687786197
Conc: 58.56 ng/ml



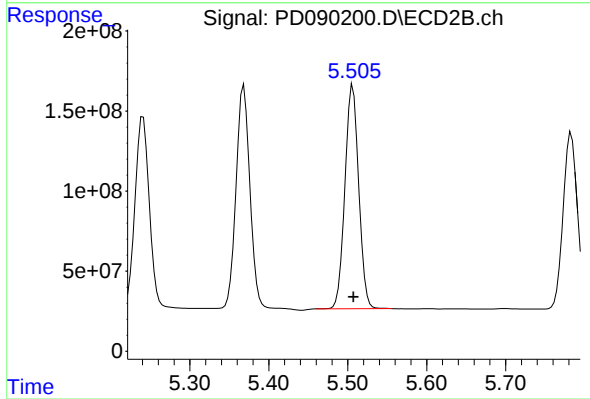
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.003 min
Response: 280276572
Conc: 57.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

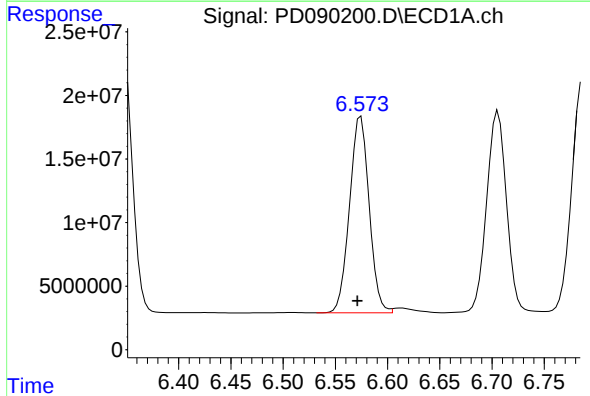
Manual Integrations
APPROVED

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



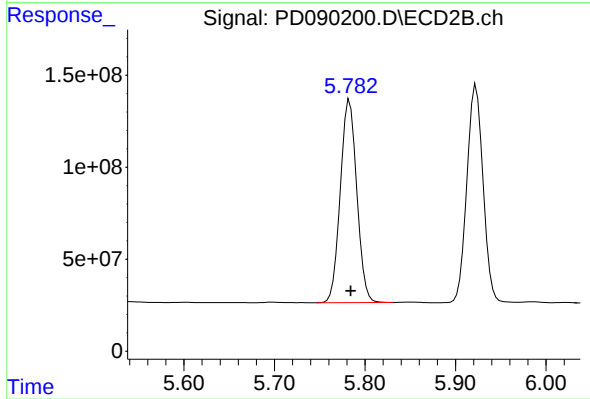
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1697404992
Conc: 57.96 ng/ml



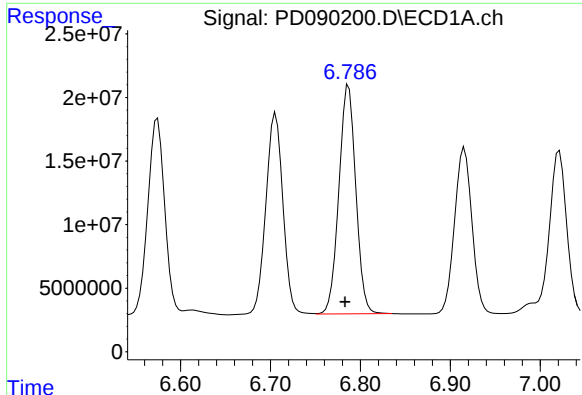
#14 Endrin

R.T.: 6.574 min
Delta R.T.: 0.003 min
Response: 201891926
Conc: 48.72 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1395125898
Conc: 52.38 ng/ml



#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.004 min
Response: 235409364
Conc: 55.79 ng/ml

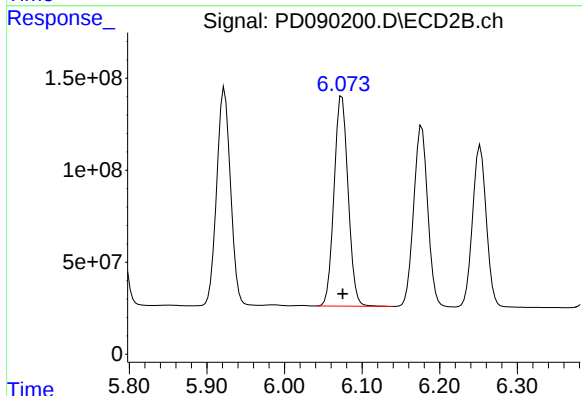
Instrument :

ECD_D

ClientSampleId :
PB169601BS

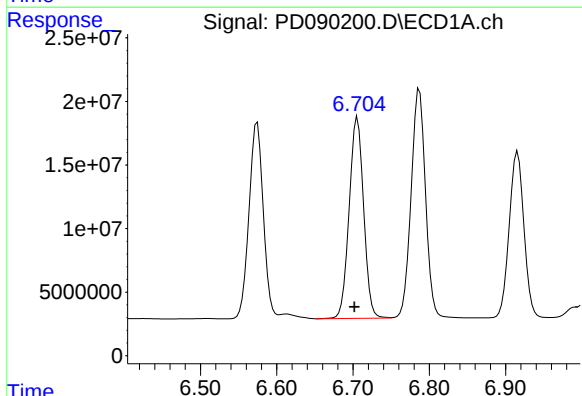
Manual Integrations
APPROVED

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



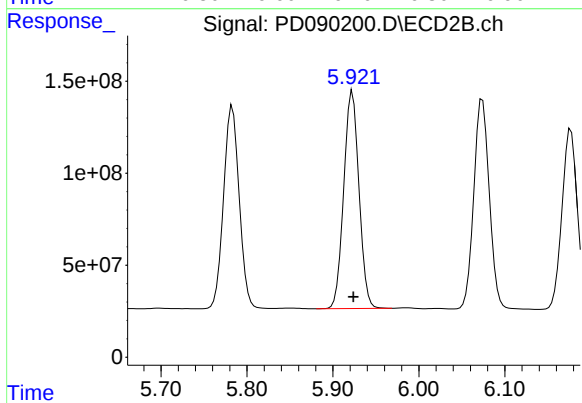
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 1439887039
Conc: 56.92 ng/ml



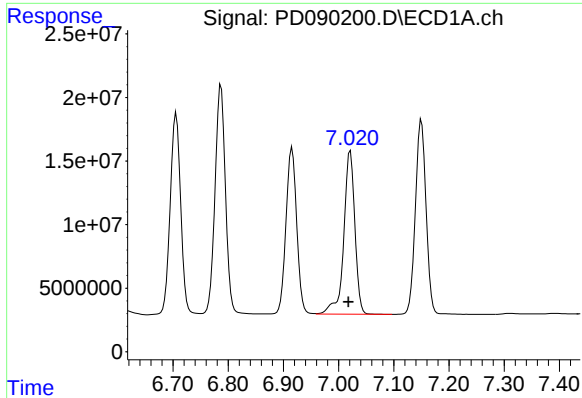
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.004 min
Response: 209024311
Conc: 60.43 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 1461564580
Conc: 60.79 ng/ml



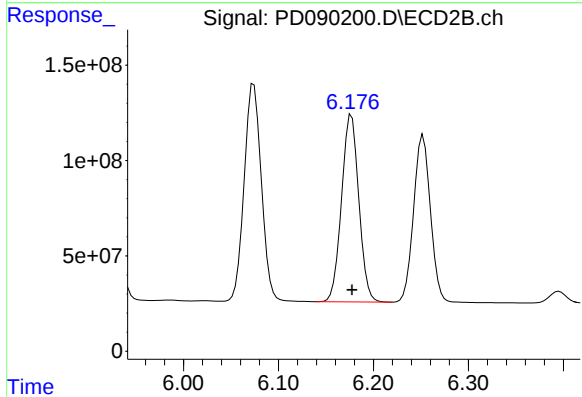
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.003 min
Response: 179992990
Conc: 47.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

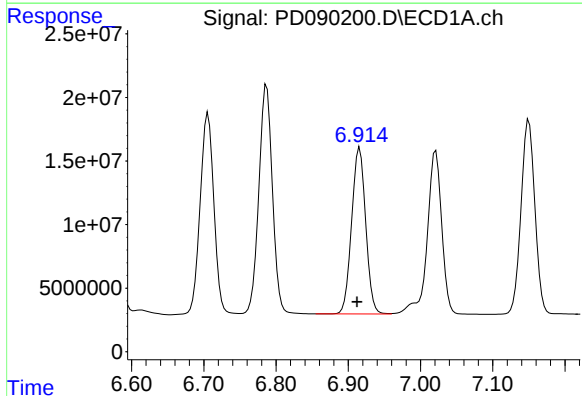
Manual Integrations
APPROVED

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



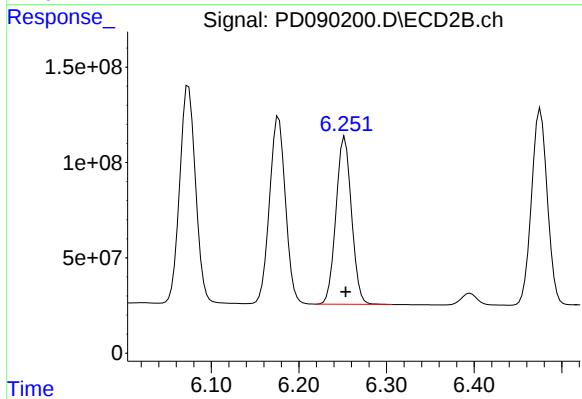
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1242996895
Conc: 49.58 ng/ml



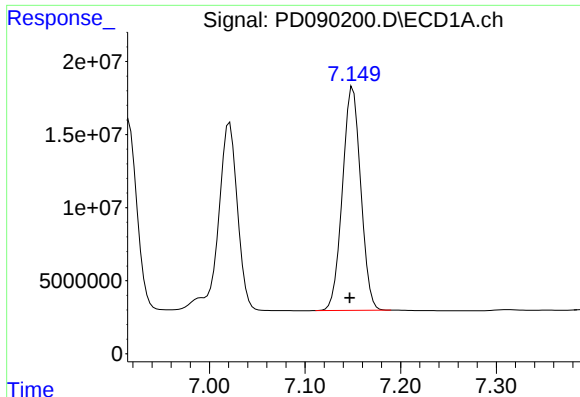
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 176118241
Conc: 61.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.252 min
Delta R.T.: 0.000 min
Response: 1083014157
Conc: 62.89 ng/ml



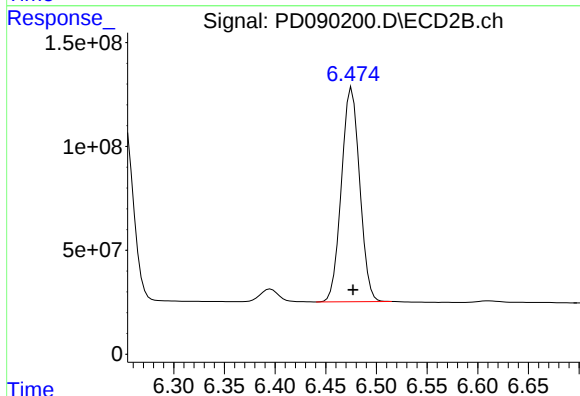
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.003 min
Response: 203801706
Conc: 52.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

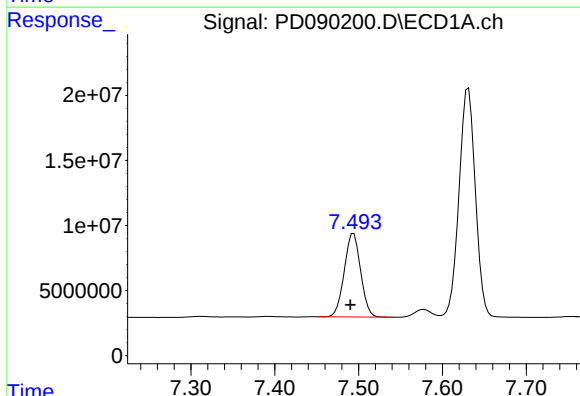
Manual Integrations
APPROVED

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



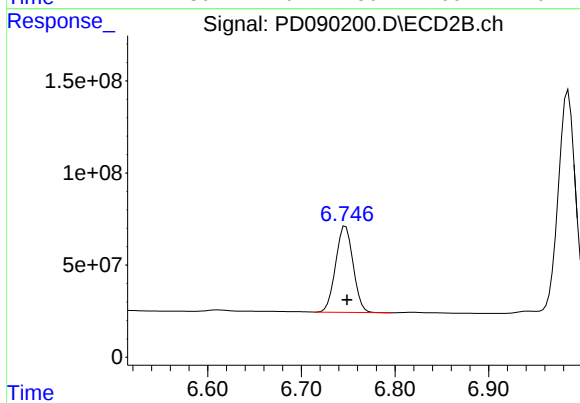
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1288576935
Conc: 52.85 ng/ml



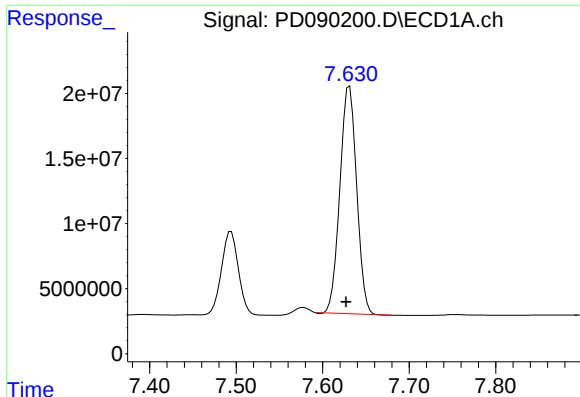
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 87032715
Conc: 43.39 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 607425649
Conc: 47.10 ng/ml



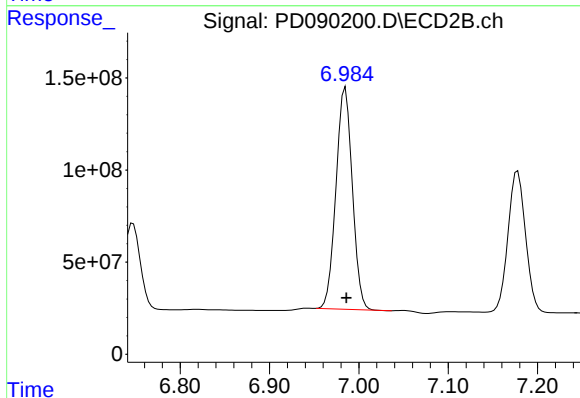
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 233559433
Conc: 56.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169601BS

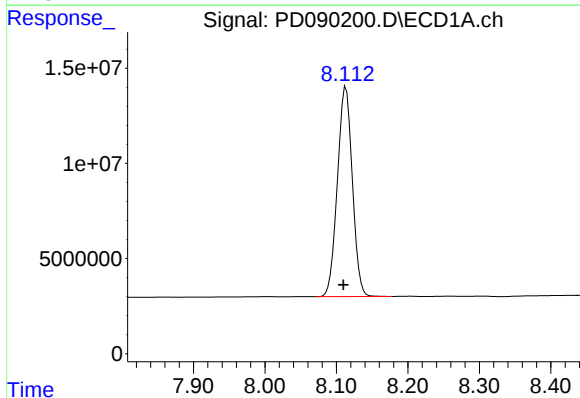
Manual Integrations
APPROVED

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



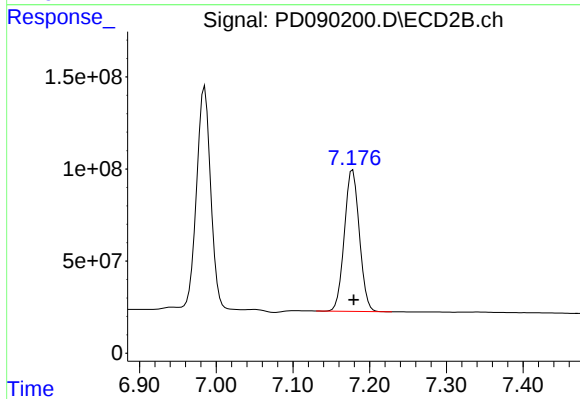
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 1531233076
Conc: 57.47 ng/ml



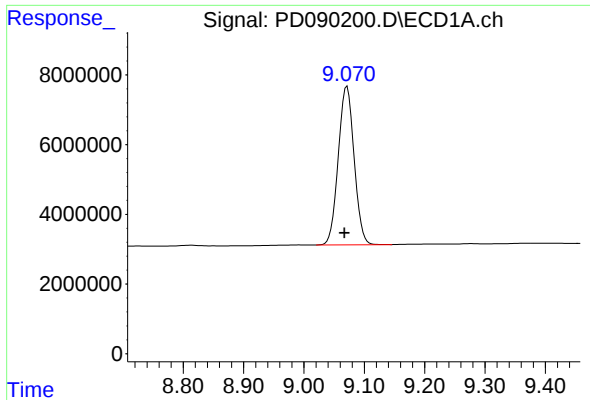
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.004 min
Response: 160090709
Conc: 50.75 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.001 min
Response: 1047776181
Conc: 50.73 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 83079080
Conc: 19.25 ng/ml

Instrument :

ECD_D

ClientSampleId :

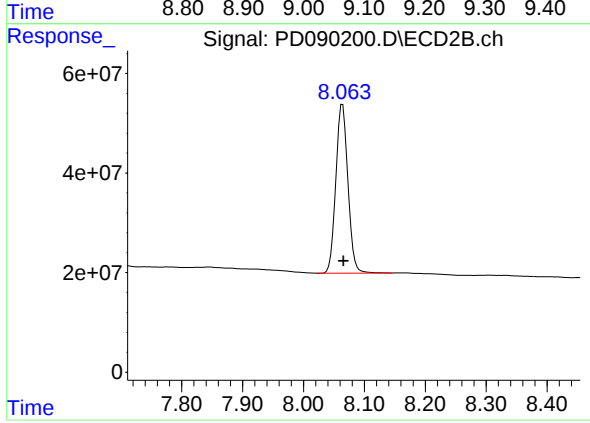
PB169601BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 09/09/2025

Supervised By :mohammad ahmed 09/10/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 467645021
Conc: 18.07 ng/ml