

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082825\
 Data File : PD090057.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 28 Aug 2025 14:26
 Operator : AR\AJ
 Sample : PB169446BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169446BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/29/2025
 Supervised By : mohammad ahmed 08/30/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 28 23:25:21 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 x 0.5 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	60148222	433.8E6	20.495	19.674
28)	SA Decachlor...	9.082	8.068	99359109	558.6E6	23.021	21.579
Target Compounds							
2)	A alpha-BHC	4.007	3.390	284.6E6	1422.2E6	47.412	41.904
3)	MA gamma-BHC...	4.338	3.726	270.2E6	1316.7E6	47.186	42.241
4)	MA Heptachlor	4.936	4.079	259.5E6	1262.4E6	46.270	40.472
5)	MB Aldrin	5.278	4.365	257.5E6	1292.3E6	47.557	42.433
6)	B beta-BHC	4.524	4.022	102.7E6	562.2E6	45.792	42.178
7)	B delta-BHC	4.773	4.259	264.2E6	1325.5E6	51.022	42.012
8)	B Heptachlo...	5.698	4.869	233.8E6	1188.0E6	47.653	42.897
9)	A Endosulfan I	6.082	5.243	221.7E6	1133.7E6	48.034	43.237
10)	B gamma-Chl...	5.953	5.122	237.2E6	1271.5E6	48.504	42.938
11)	B alpha-Chl...	6.034	5.187	234.7E6	1213.7E6	47.690	42.529
12)	B 4,4'-DDE	6.203	5.371	212.0E6	1229.8E6	48.319	42.669
13)	MA Dieldrin	6.355	5.509	238.9E6	1259.1E6	48.795	42.990
14)	MA Endrin	6.581	5.785	189.5E6	1068.9E6	45.723	40.136
15)	B Endosulfa...	6.794	6.077	202.0E6	1104.2E6	47.865	43.653
16)	A 4,4'-DDD	6.712	5.926	171.6E6	1054.6E6	49.599m	43.864
17)	MA 4,4'-DDT	7.029	6.179	169.8E6	996.5E6	44.581	39.747
18)	B Endrin al...	6.923	6.255	148.8E6	815.6E6	51.889	47.365
19)	B Endosulfa...	7.157	6.479	190.8E6	1074.0E6	48.704	44.051
20)	A Methoxychlor	7.501	6.750	85944642	493.7E6	42.852	38.288
21)	B Endrin ke...	7.637	6.988	209.8E6	1213.4E6	50.617m	45.541
22)	Mirex	8.120	7.181	150.3E6	898.8E6	47.642	43.511

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

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Data File : PD090057.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 28 Aug 2025 14:26
Operator : AR\AJ
Sample : PB169446BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169446BS

Manual Integrations

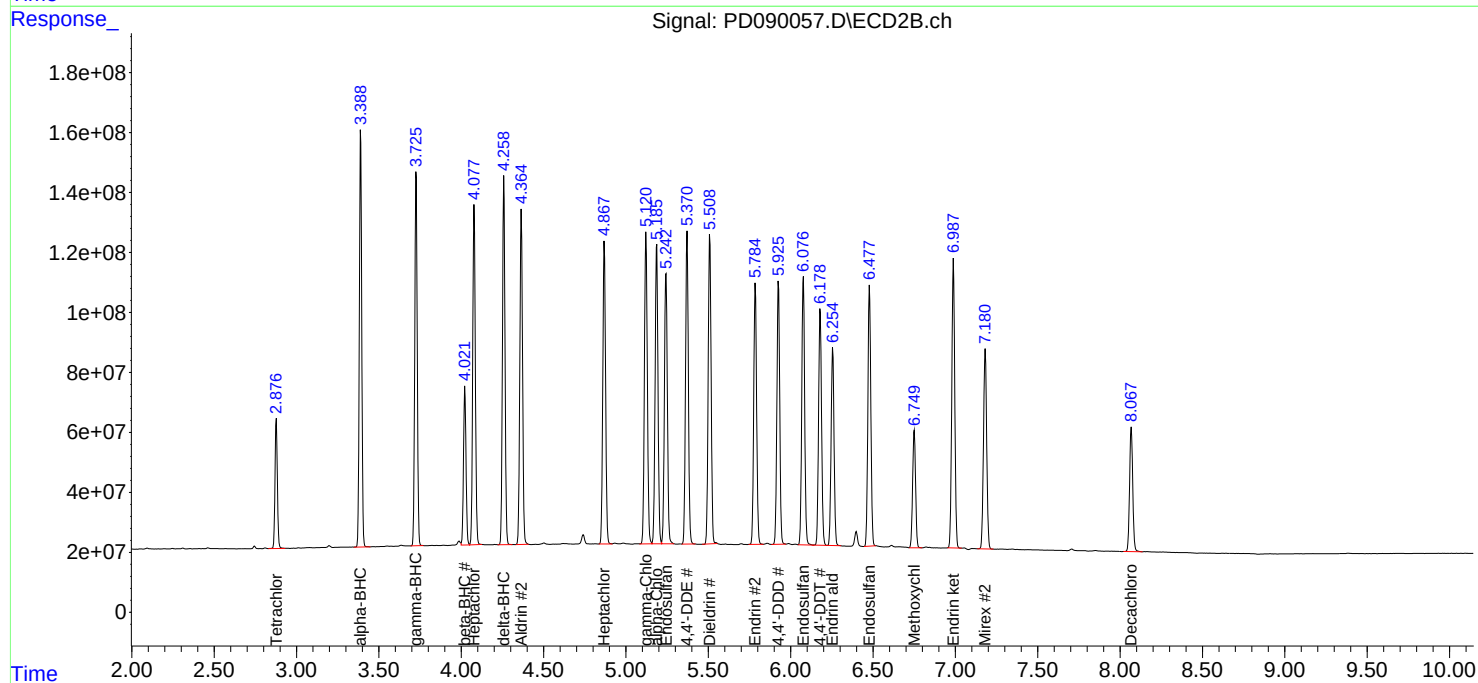
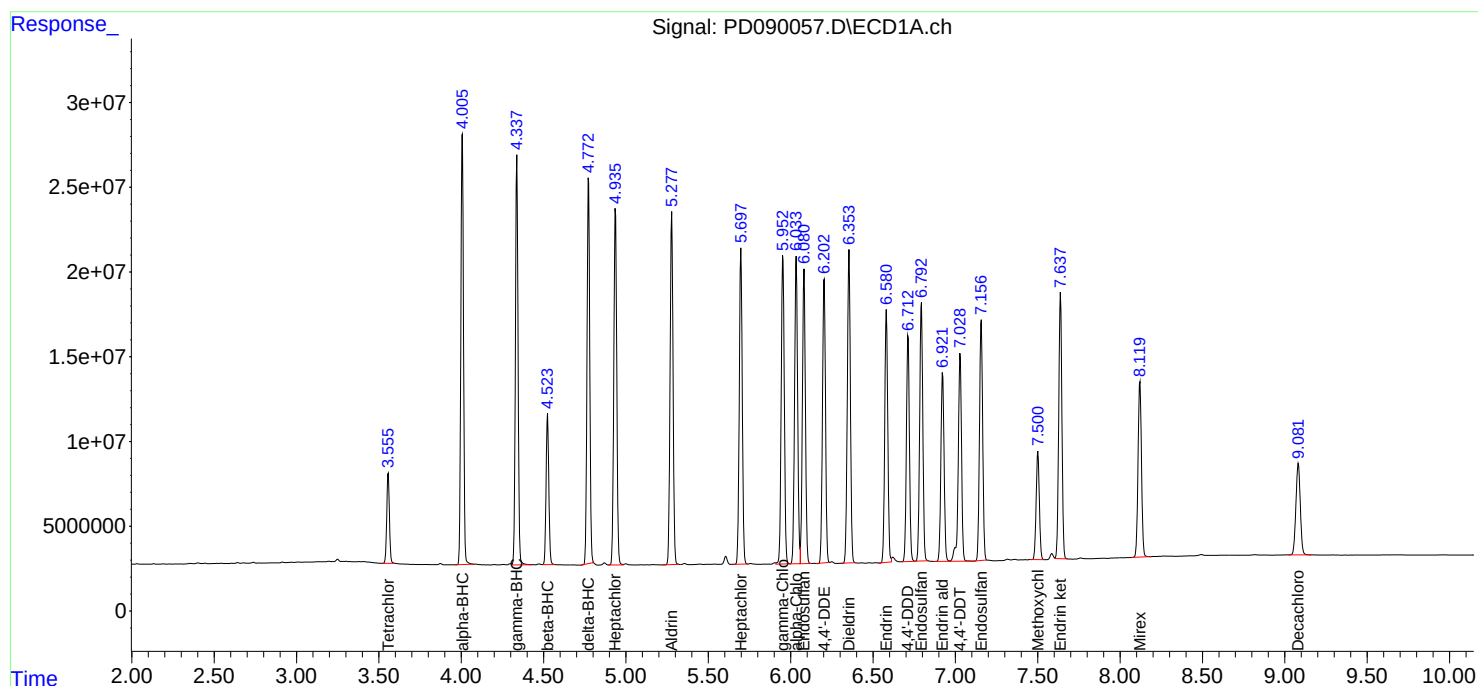
APPROVED

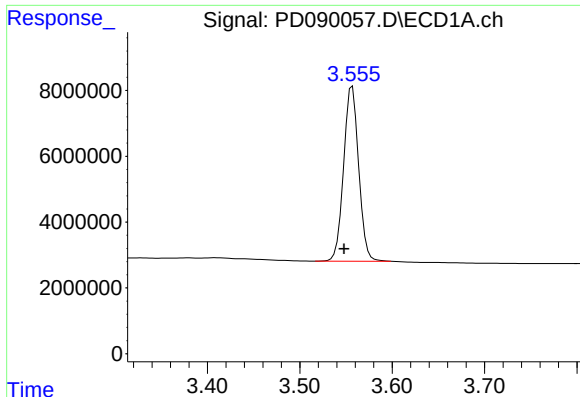
Reviewed By :Abdul Mirza 08/29/2025

Supervised By :mohammad ahmed 08/30/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 28 23:25:21 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
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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





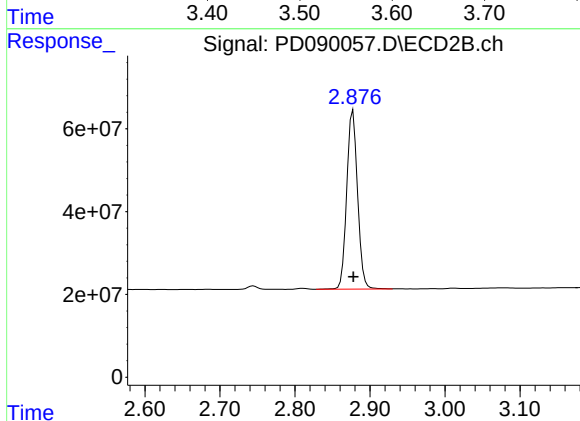
#1 Tetrachloro-m-xylene

R.T.: 3.557 min
Delta R.T.: 0.009 min
Response: 60148222
Conc: 20.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

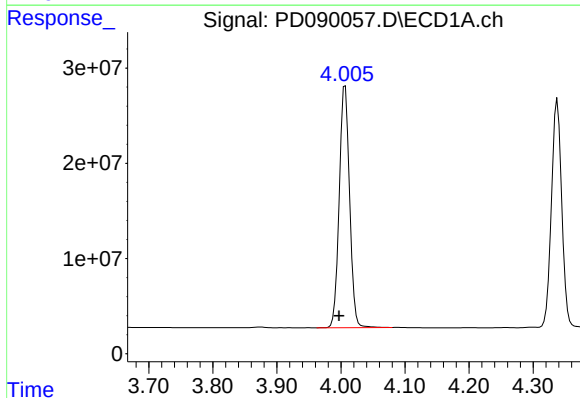
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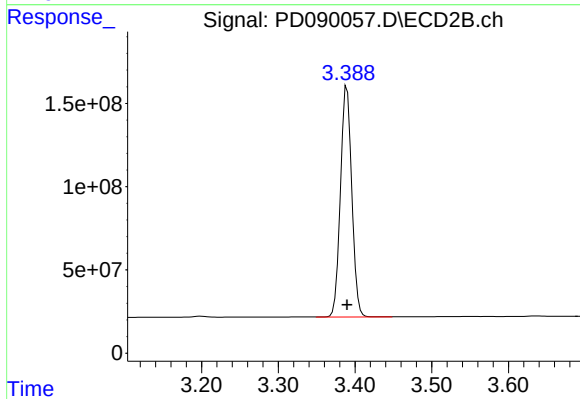
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 433823174
Conc: 19.67 ng/ml



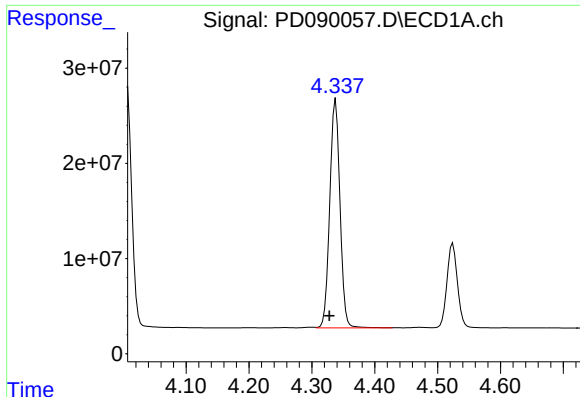
#2 alpha-BHC

R.T.: 4.007 min
Delta R.T.: 0.010 min
Response: 284579966
Conc: 47.41 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1422161145
Conc: 41.90 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.338 min
Delta R.T.: 0.010 min
Response: 270228900
Conc: 47.19 ng/ml

Instrument :

ECD_D

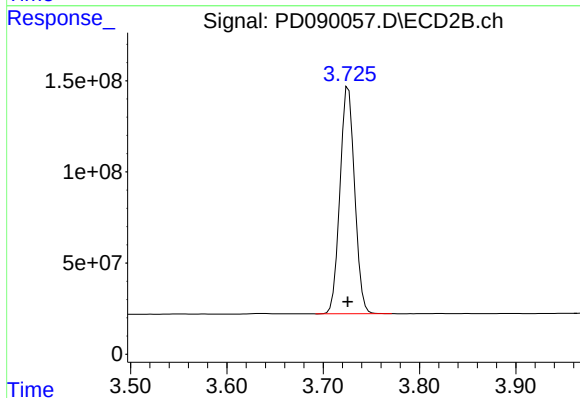
ClientSampleId :

PB169446BS

Manual Integrations

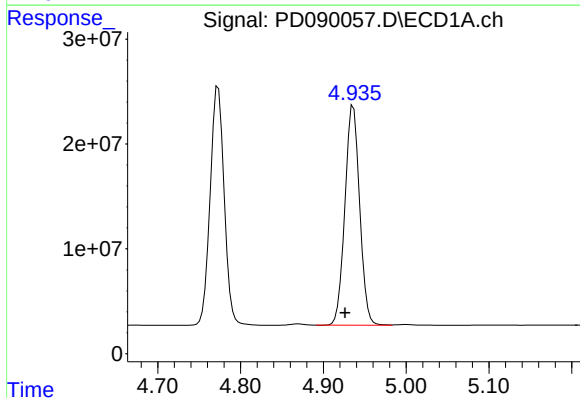
APPROVED

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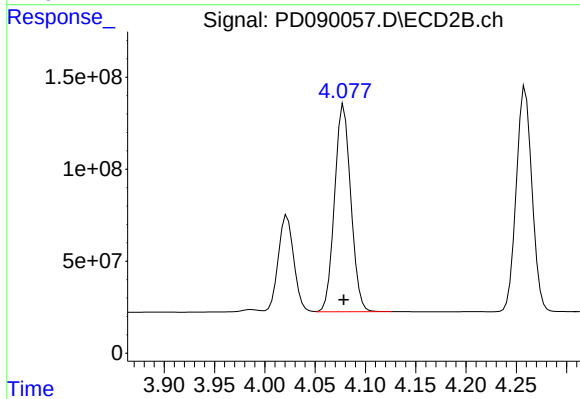
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1316680477
Conc: 42.24 ng/ml



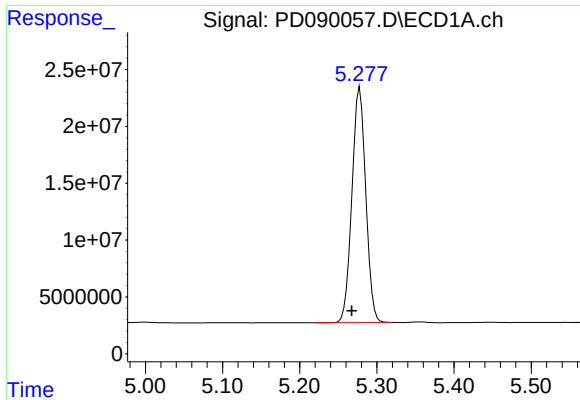
#4 Heptachlor

R.T.: 4.936 min
Delta R.T.: 0.010 min
Response: 259537932
Conc: 46.27 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1262399544
Conc: 40.47 ng/ml



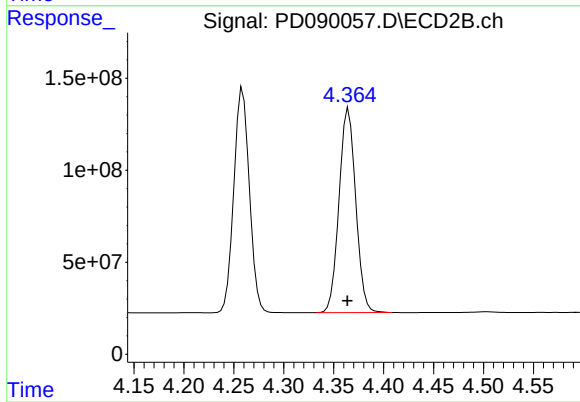
#5 Aldrin

R.T.: 5.278 min
Delta R.T.: 0.010 min
Response: 257496656
Conc: 47.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

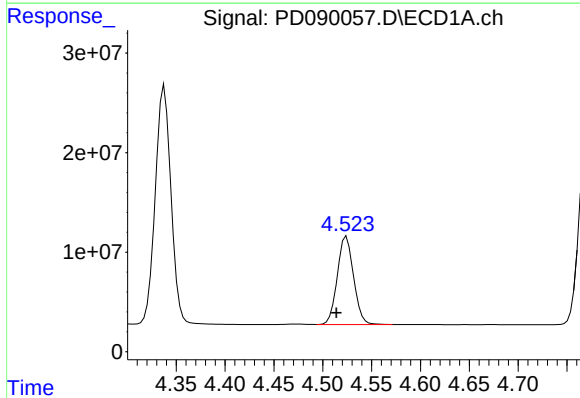
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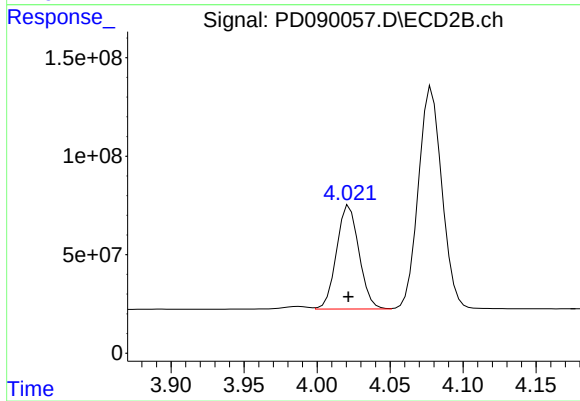
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.001 min
Response: 1292333903
Conc: 42.43 ng/ml



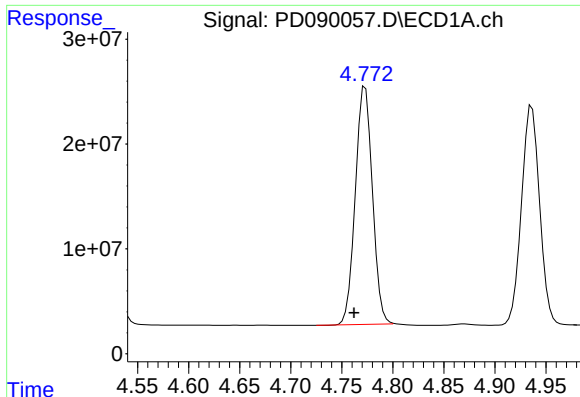
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.010 min
Response: 102713405
Conc: 45.79 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 562237754
Conc: 42.18 ng/ml



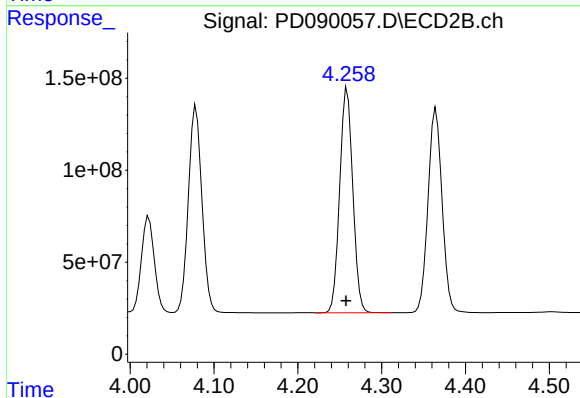
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.011 min
Response: 264179023
Conc: 51.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

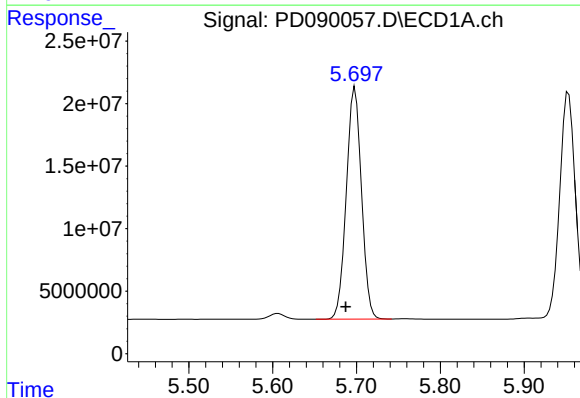
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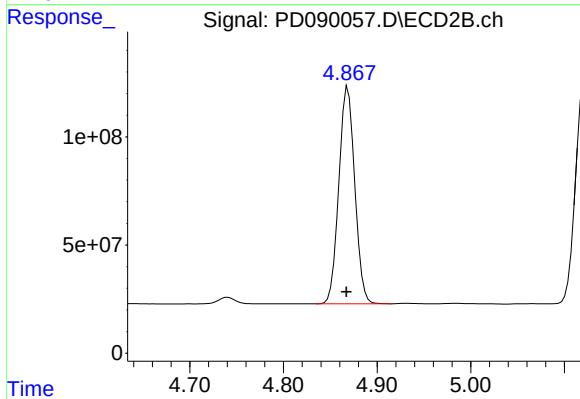
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.001 min
Response: 1325477048
Conc: 42.01 ng/ml



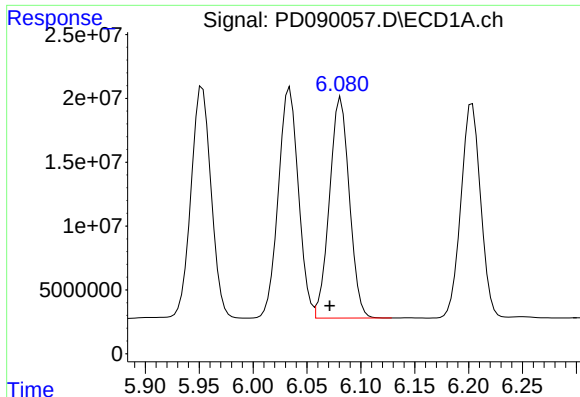
#8 Heptachlor epoxide

R.T.: 5.698 min
Delta R.T.: 0.011 min
Response: 233821575
Conc: 47.65 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.002 min
Response: 1188021689
Conc: 42.90 ng/ml



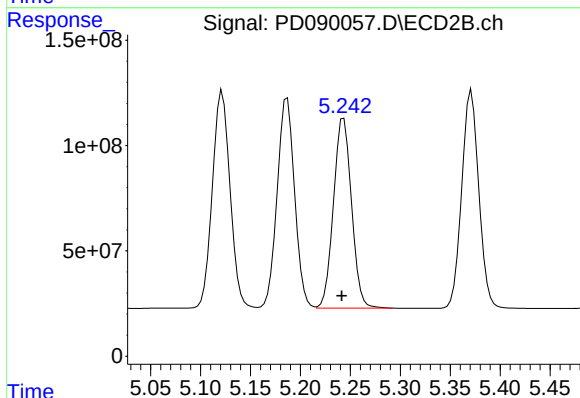
#9 Endosulfan I

R.T.: 6.082 min
Delta R.T.: 0.010 min
Response: 221673083
Conc: 48.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

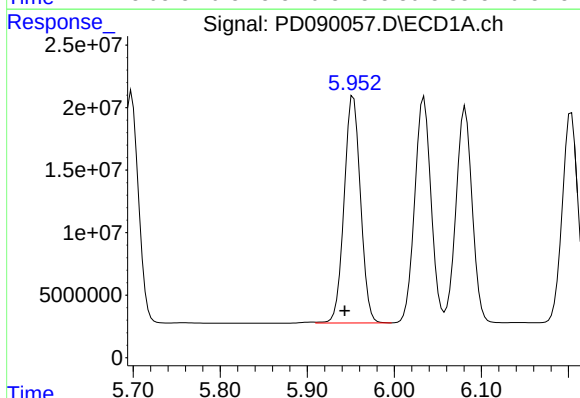
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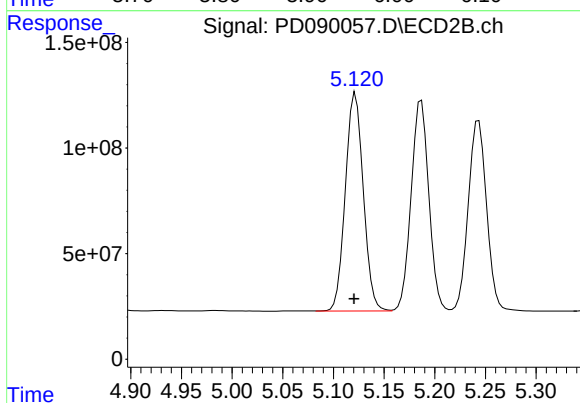
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 1133740976
Conc: 43.24 ng/ml



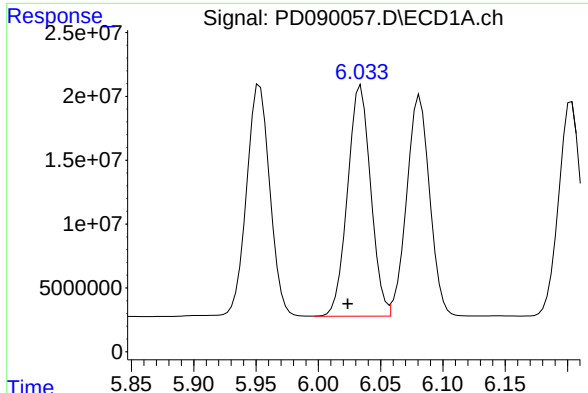
#10 gamma-Chlordane

R.T.: 5.953 min
Delta R.T.: 0.010 min
Response: 237233607
Conc: 48.50 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.002 min
Response: 1271460388
Conc: 42.94 ng/ml



#11 alpha-Chlordane

R.T.: 6.034 min
Delta R.T.: 0.011 min
Response: 234748544
Conc: 47.69 ng/ml

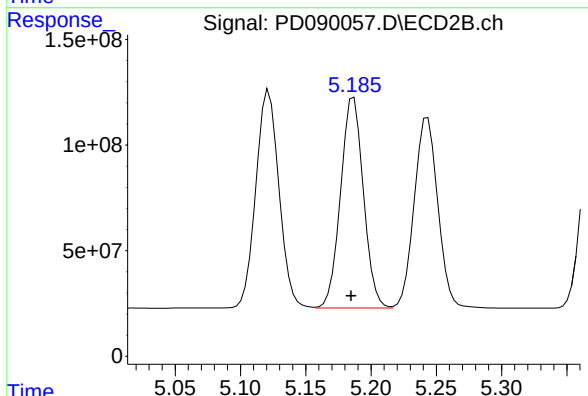
Instrument :

ECD_D

ClientSampleId :
PB169446BS

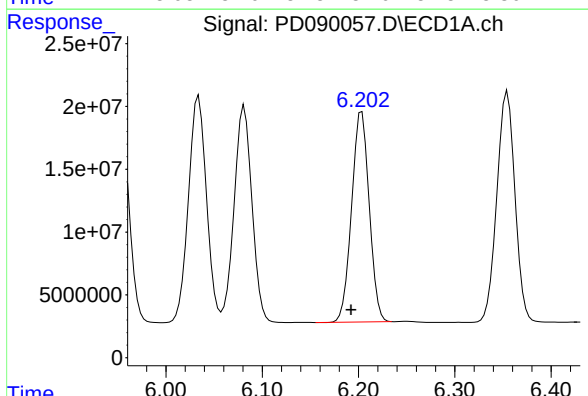
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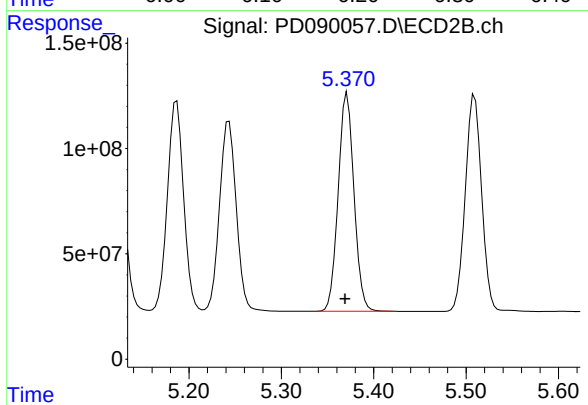
#11 alpha-Chlordane

R.T.: 5.187 min
Delta R.T.: 0.002 min
Response: 1213692813
Conc: 42.53 ng/ml



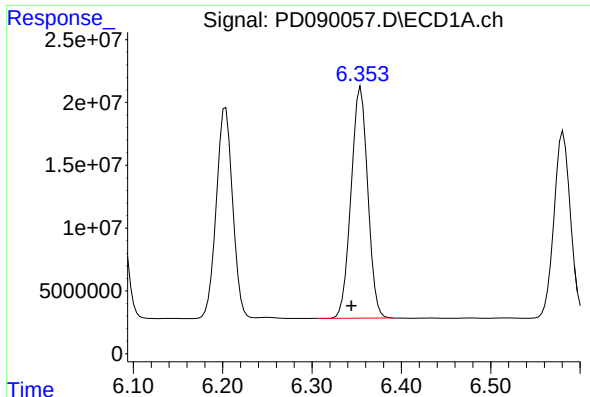
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.011 min
Response: 212040892
Conc: 48.32 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.002 min
Response: 1229826803
Conc: 42.67 ng/ml



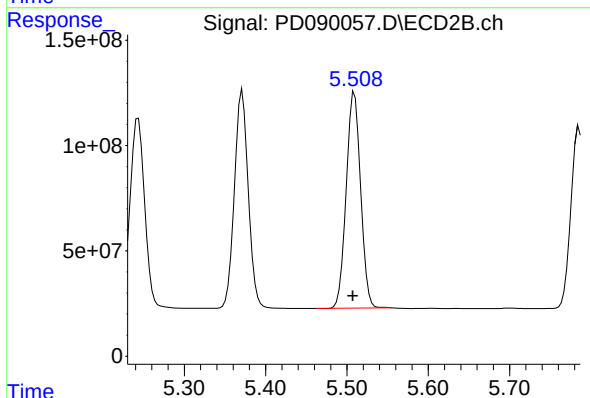
#13 Dieldrin

R.T.: 6.355 min
Delta R.T.: 0.011 min
Response: 238889889
Conc: 48.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

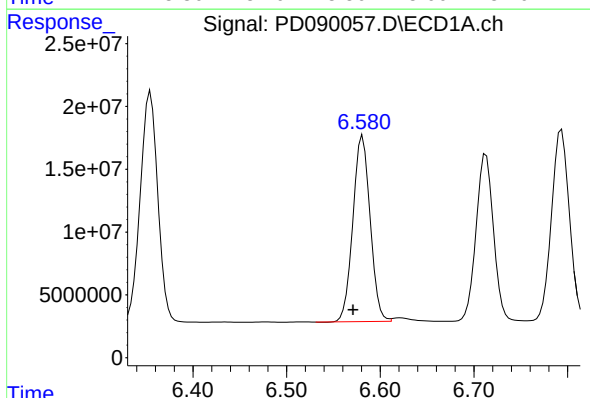
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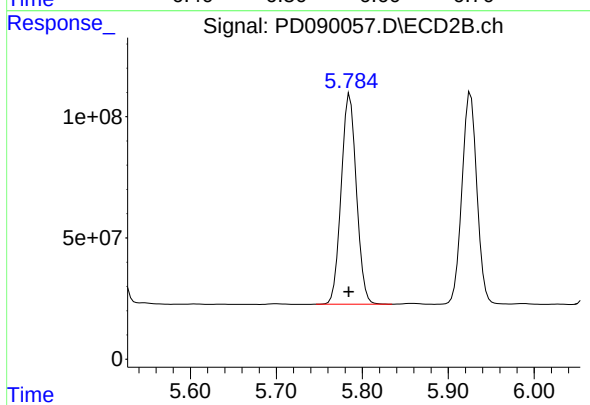
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.002 min
Response: 1259068967
Conc: 42.99 ng/ml



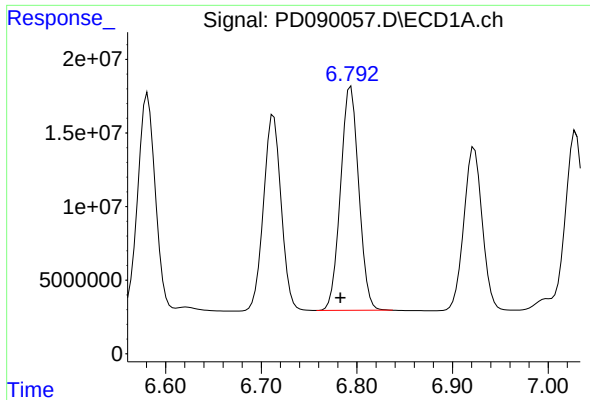
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.010 min
Response: 189455827
Conc: 45.72 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.001 min
Response: 1068914774
Conc: 40.14 ng/ml



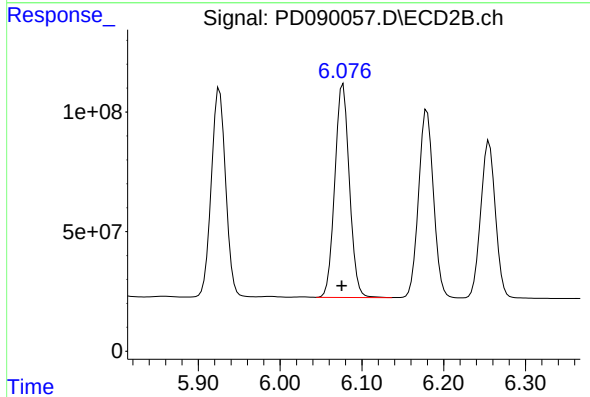
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.011 min
Response: 201978224
Conc: 47.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

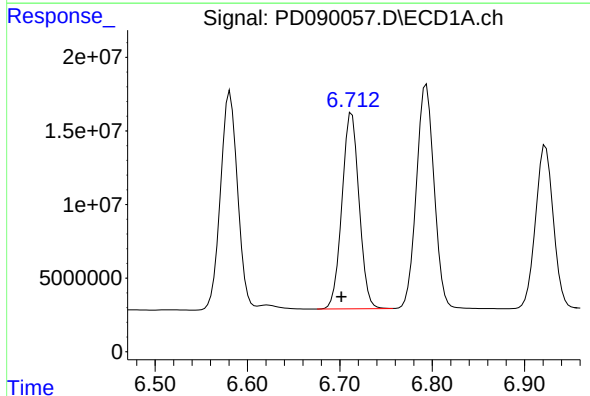
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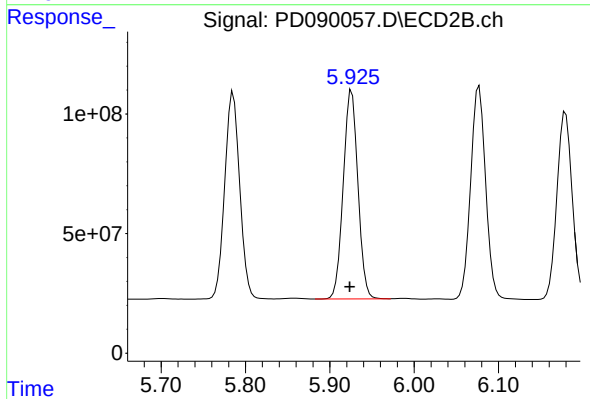
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.002 min
Response: 1104196787
Conc: 43.65 ng/ml



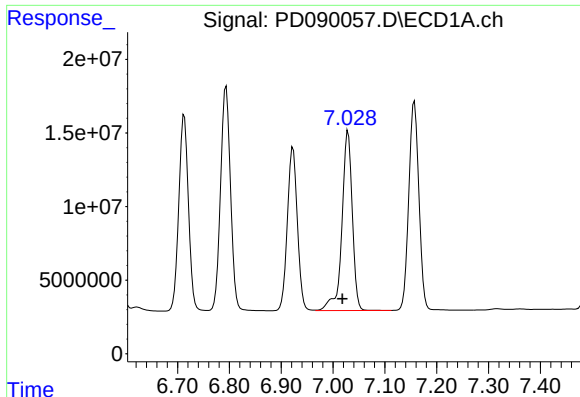
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.010 min
Response: 171567811
Conc: 49.60 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.002 min
Response: 1054648981
Conc: 43.86 ng/ml



#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.011 min
Response: 169841800
Conc: 44.58 ng/ml

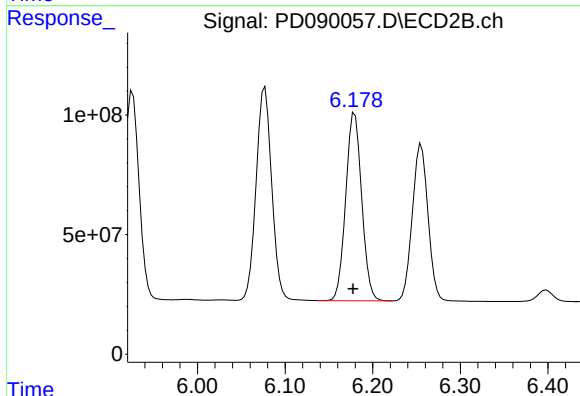
Instrument :

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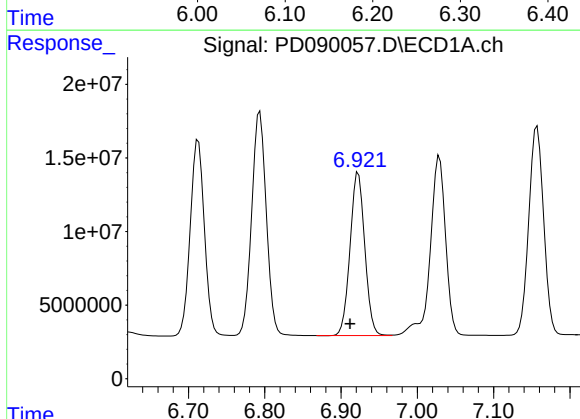
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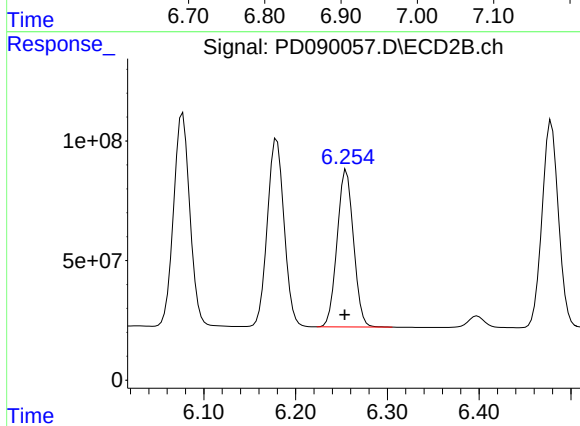
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.002 min
Response: 996454308
Conc: 39.75 ng/ml



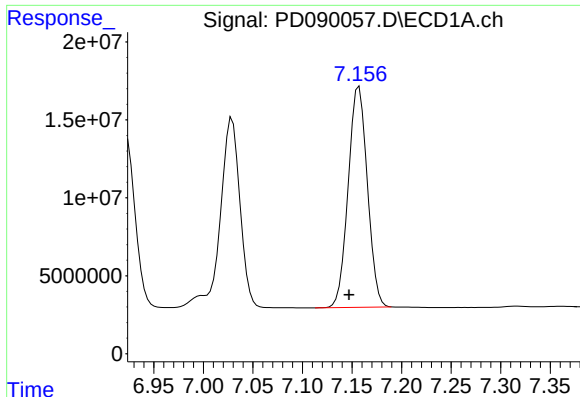
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.011 min
Response: 148773546
Conc: 51.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.002 min
Response: 815621698
Conc: 47.36 ng/ml



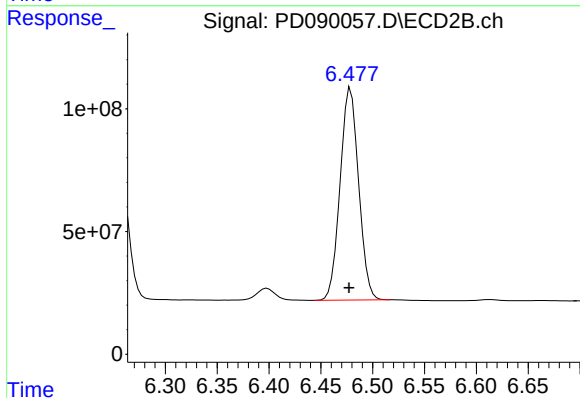
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.010 min
Response: 190845864
Conc: 48.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

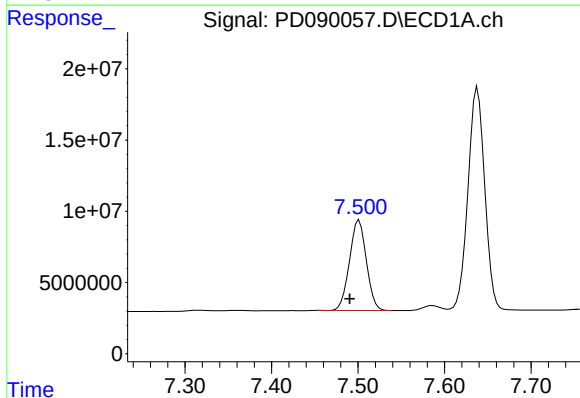
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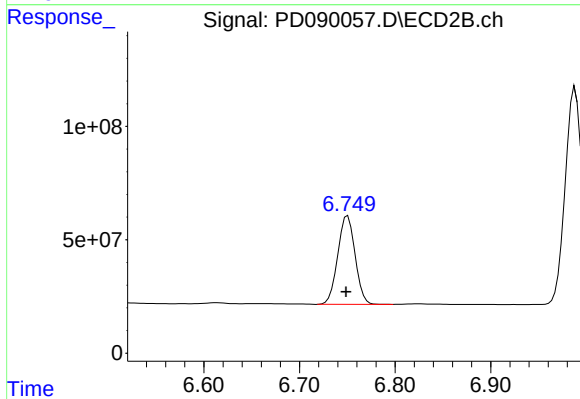
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.002 min
Response: 1073954907
Conc: 44.05 ng/ml



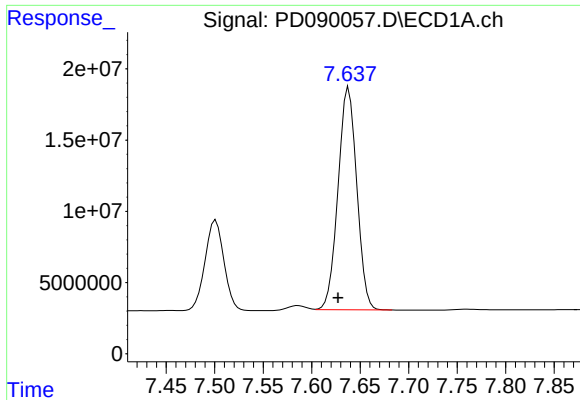
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.011 min
Response: 85944642
Conc: 42.85 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.001 min
Response: 493747421
Conc: 38.29 ng/ml



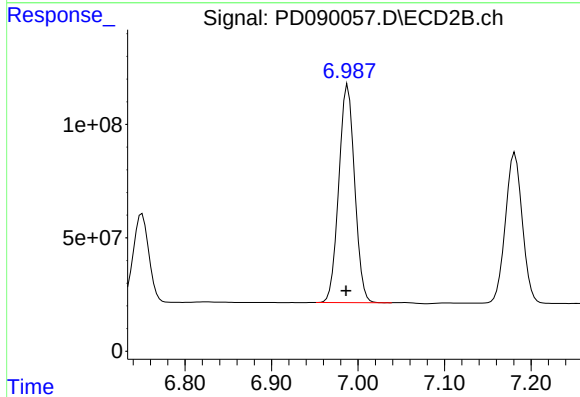
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.010 min
Response: 209784158
Conc: 50.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

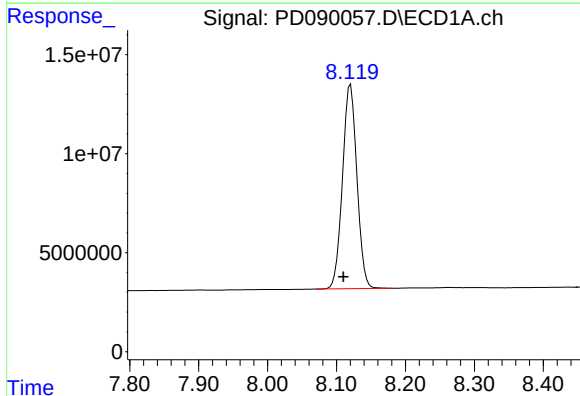
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Reviewed By :Abdul Mirza 08/29/2025
Supervised By :mohammad ahmed 08/30/2025



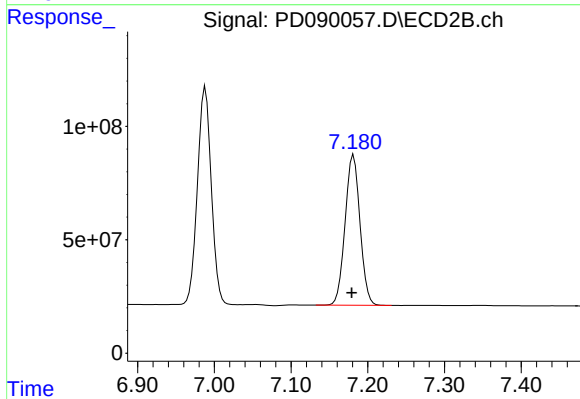
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.002 min
Response: 1213418924
Conc: 45.54 ng/ml



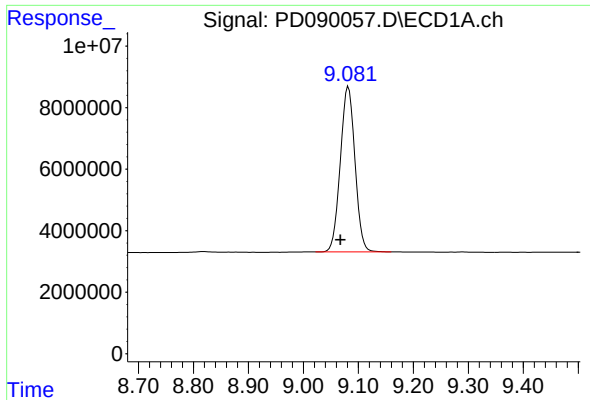
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.011 min
Response: 150284457
Conc: 47.64 ng/ml



#22 Mirex

R.T.: 7.181 min
Delta R.T.: 0.002 min
Response: 898758301
Conc: 43.51 ng/ml



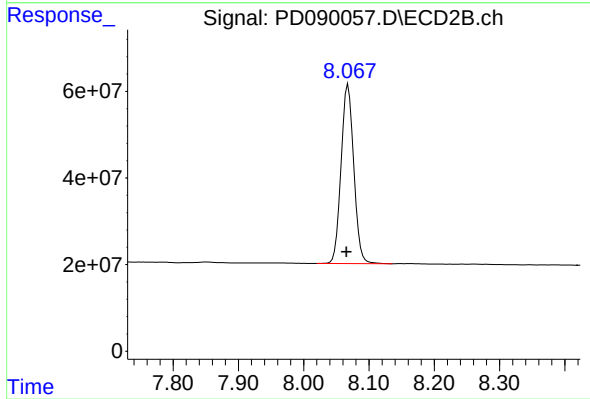
#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.015 min
Response: 99359109
Conc: 23.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169446BS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/30/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.003 min
Response: 558602574
Conc: 21.58 ng/ml