

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090575.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 11:53
 Operator : AR\AJ
 Sample : PB170065BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170065BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/15/2025
 Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:36:48 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...	3.547	2.874	67446409	639.4E6	20.750	23.292
28)	SA Decachlor...	9.068	8.062	127.5E6	871.7E6	26.420	26.893
Target Compounds							
2)	A alpha-BHC	3.997	3.386	337.6E6	2242.1E6	48.339	51.210
3)	MA gamma-BHC...	4.328	3.723	320.3E6	2088.1E6	48.404	51.259
4)	MA Heptachlor	4.926	4.075	289.7E6	2002.9E6	43.803	49.192
5)	MB Aldrin	5.267	4.361	309.1E6	2068.4E6	48.680	51.795
6)	B beta-BHC	4.515	4.019	120.6E6	882.9E6	46.731	50.930
7)	B delta-BHC	4.762	4.256	320.9E6	2116.8E6	49.687m	51.262
8)	B Heptachlo...	5.688	4.865	276.2E6	1917.0E6	48.337	52.001
9)	A Endosulfan I	6.069	5.239	260.5E6	1783.5E6	48.220m	51.539
10)	B gamma-Chl...	5.943	5.118	275.4E6	2035.5E6	48.207	51.812
11)	B alpha-Chl...	6.023	5.182	295.6E6	1943.7E6	51.306m	51.605
12)	B 4,4'-DDE	6.193	5.367	254.7E6	1976.6E6	48.911	51.637
13)	MA Dieldrin	6.344	5.504	281.7E6	2006.7E6	48.875	51.525
14)	MA Endrin	6.571	5.781	240.5E6	1821.6E6	49.133	50.837
15)	B Endosulfa...	6.783	6.072	239.8E6	1733.4E6	49.159	51.358
16)	A 4,4'-DDD	6.703	5.921	198.8E6	1657.1E6	48.524	51.100
17)	MA 4,4'-DDT	7.018	6.175	206.1E6	1671.9E6	46.288	48.633
18)	B Endrin al...	6.913	6.251	176.8E6	1291.7E6	51.536	54.856
19)	B Endosulfa...	7.147	6.474	220.6E6	1672.0E6	47.951	51.146
20)	A Methoxychlor	7.491	6.745	102.4E6	802.1E6	43.451	46.096
21)	B Endrin ke...	7.627	6.983	234.9E6	1807.0E6	47.486	50.052
22)	Mirex	8.110	7.176	167.5E6	1343.7E6	45.224	48.673

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

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Acq On : 14 Oct 2025 11:53
Operator : AR\AJ
Sample : PB170065BS
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ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

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PB170065BS

Manual Integrations

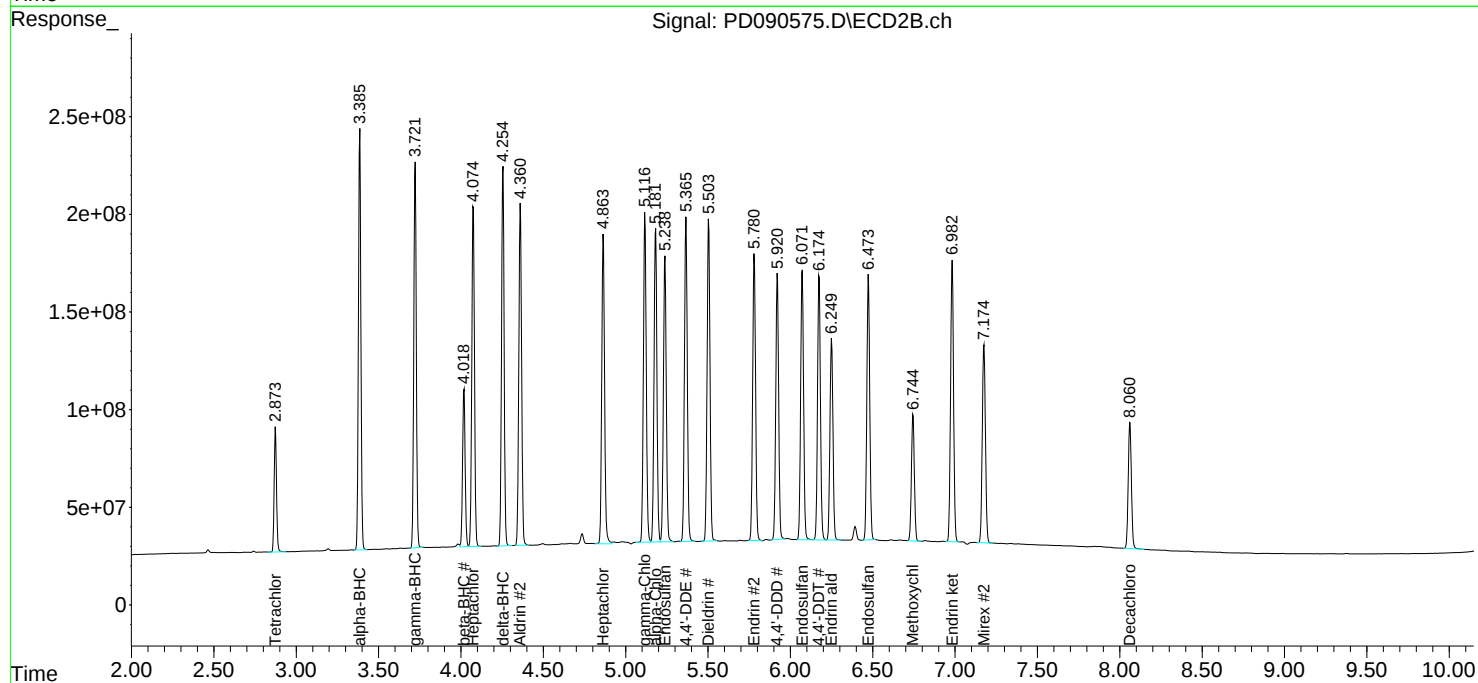
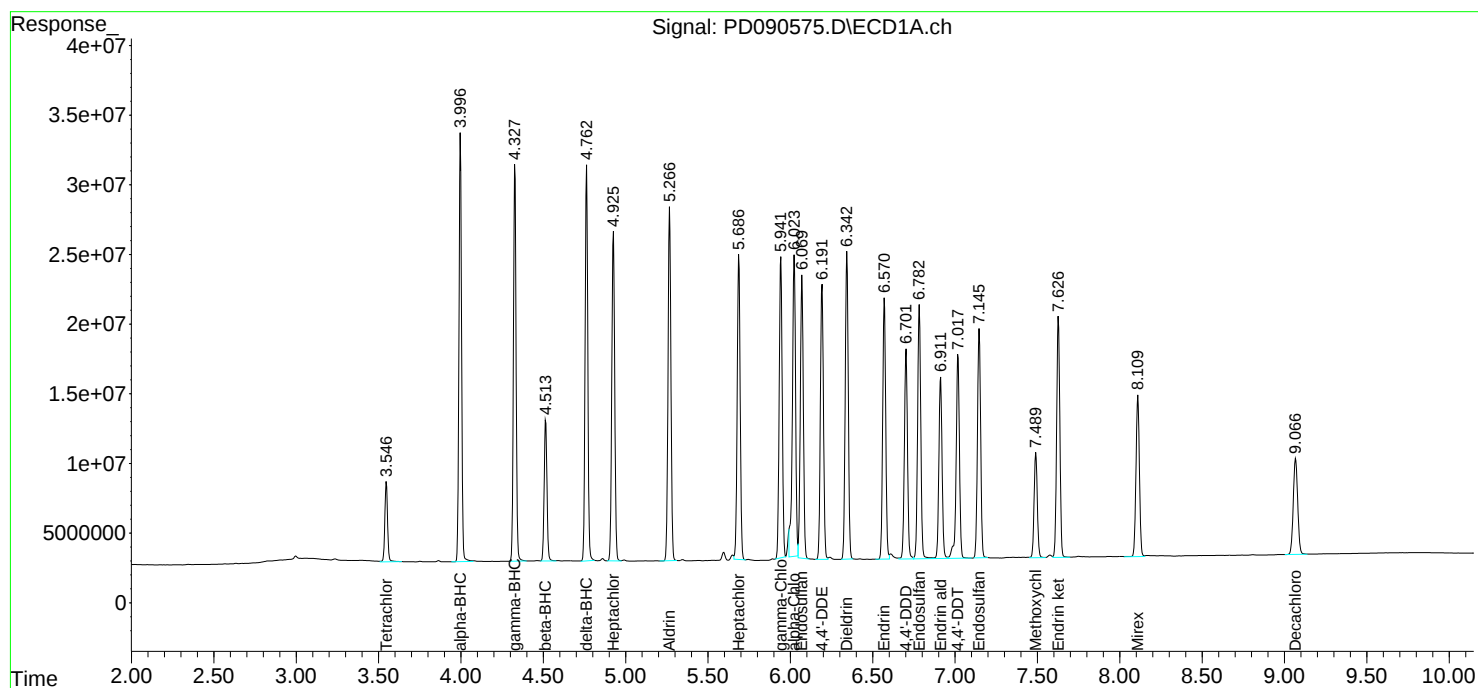
APPROVED

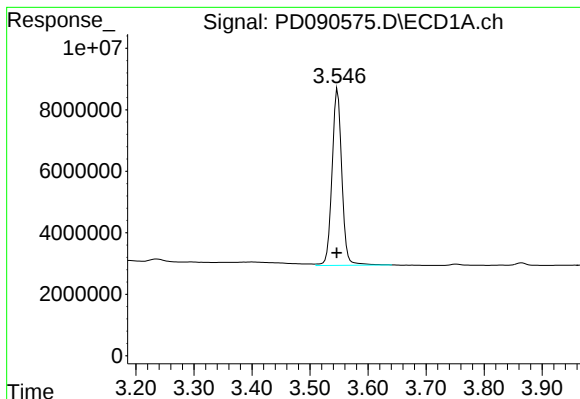
Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:36:48 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
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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.: 3.547 min
Delta R.T.: 0.001 min
Response: 67446409
Conc: 20.75 ng/ml

Instrument :

ECD_D

ClientSampleId :

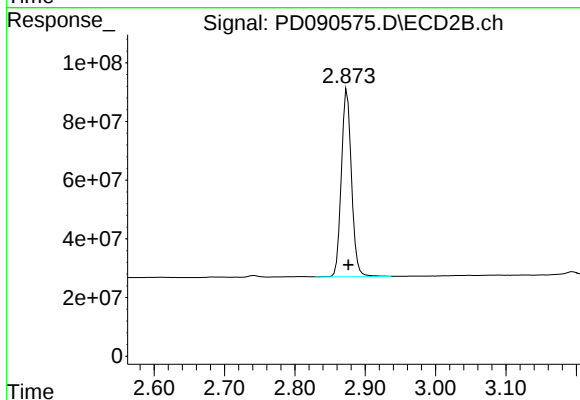
PB170065BS

Manual Integrations

APPROVED

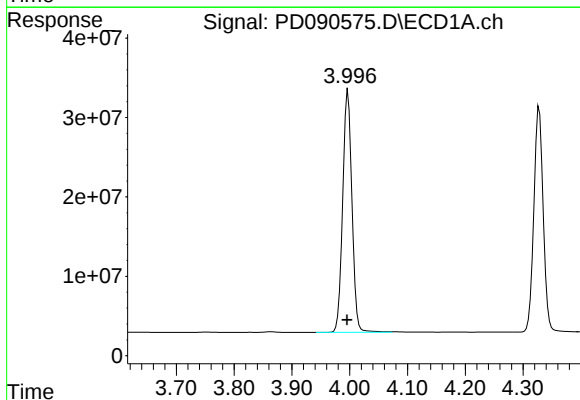
Reviewed By :Abdul Mirza 10/15/2025

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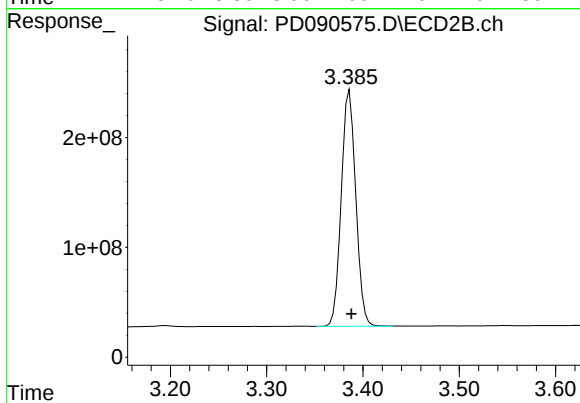
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 639363857
Conc: 23.29 ng/ml



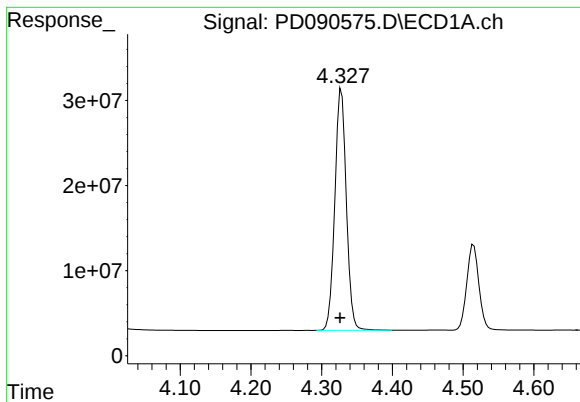
#2 alpha-BHC

R.T.: 3.997 min
Delta R.T.: 0.002 min
Response: 337624033
Conc: 48.34 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2242123812
Conc: 51.21 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.002 min
Response: 320284364
Conc: 48.40 ng/ml

Instrument :

ECD_D

ClientSampleId :

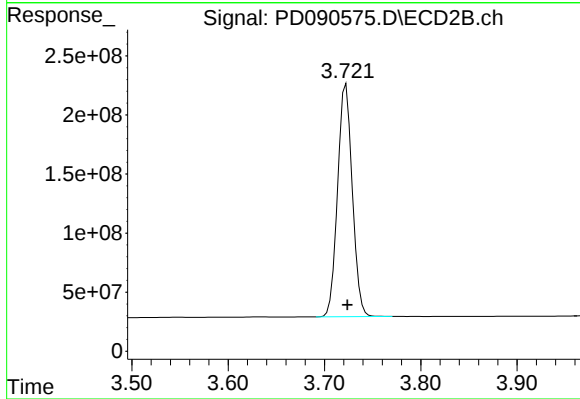
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Manual Integrations

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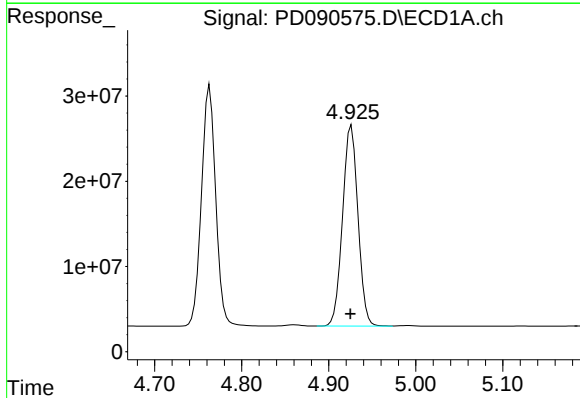
Reviewed By :Abdul Mirza 10/15/2025

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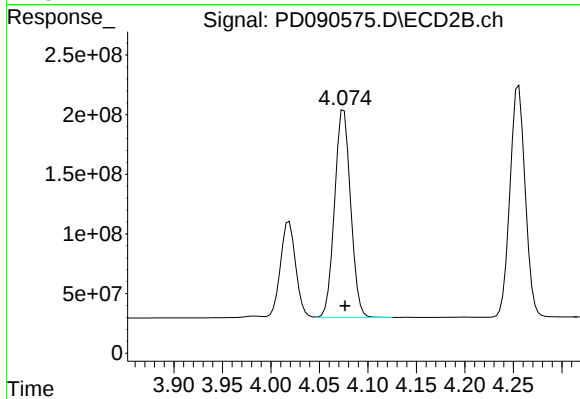
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 2088050843
Conc: 51.26 ng/ml



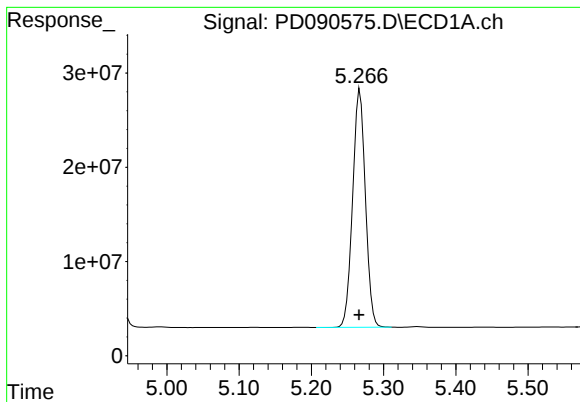
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.001 min
Response: 289651204
Conc: 43.80 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 2002945775
Conc: 49.19 ng/ml



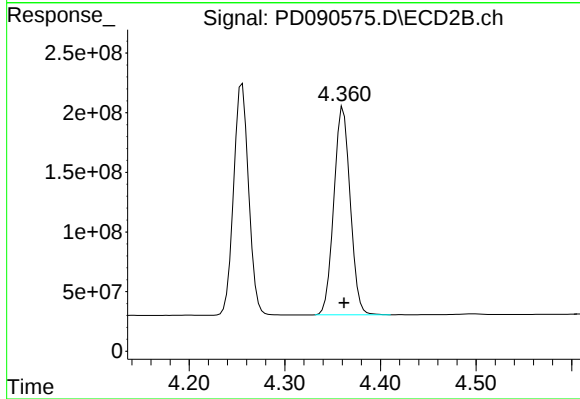
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: 0.000 min
Response: 309112496
Conc: 48.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170065BS

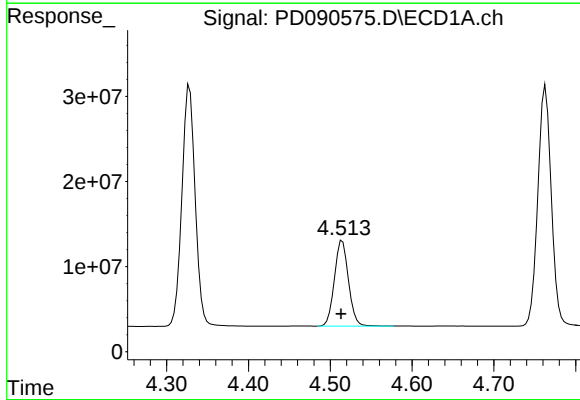
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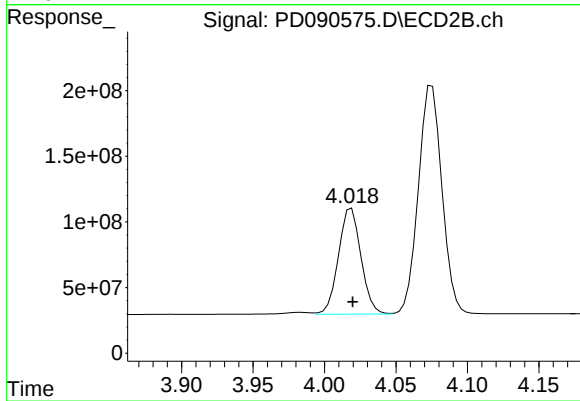
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 2068431661
Conc: 51.80 ng/ml



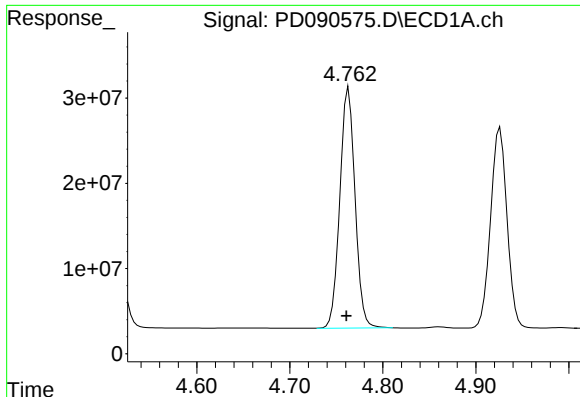
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.002 min
Response: 120562720
Conc: 46.73 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 882880266
Conc: 50.93 ng/ml



#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 320855703
Conc: 49.69 ng/ml

Instrument :

ECD_D

ClientSampleId :

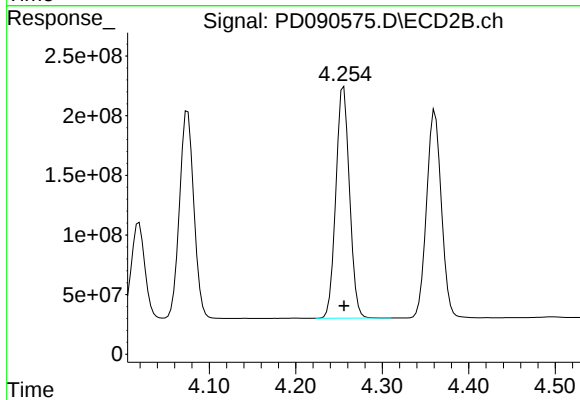
PB170065BS

Manual Integrations

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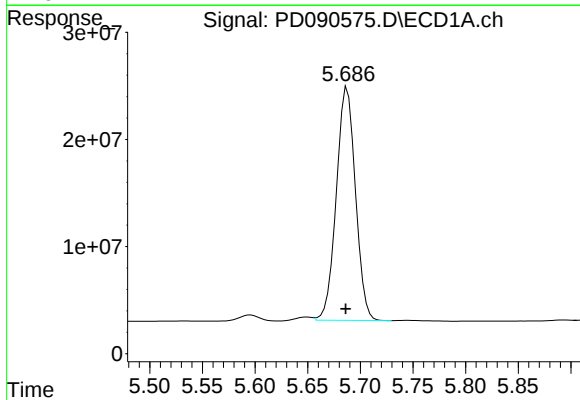
Reviewed By :Abdul Mirza 10/15/2025

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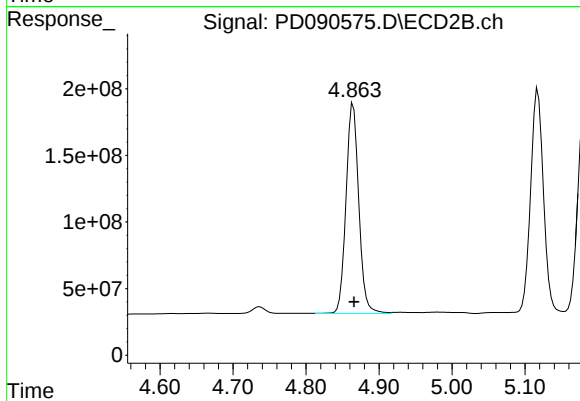
#7 delta-BHC

R.T.: 4.256 min
Delta R.T.: 0.000 min
Response: 2116842168
Conc: 51.26 ng/ml



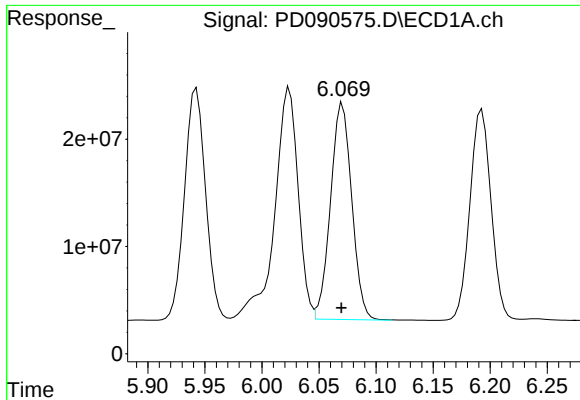
#8 Heptachlor epoxide

R.T.: 5.688 min
Delta R.T.: 0.001 min
Response: 276241331
Conc: 48.34 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.001 min
Response: 1917002182
Conc: 52.00 ng/ml



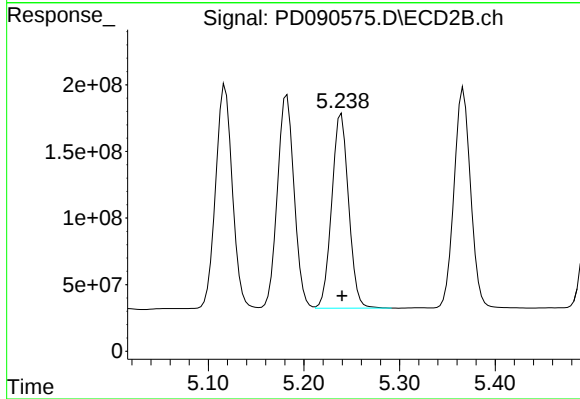
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 260459737
Conc: 48.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170065BS

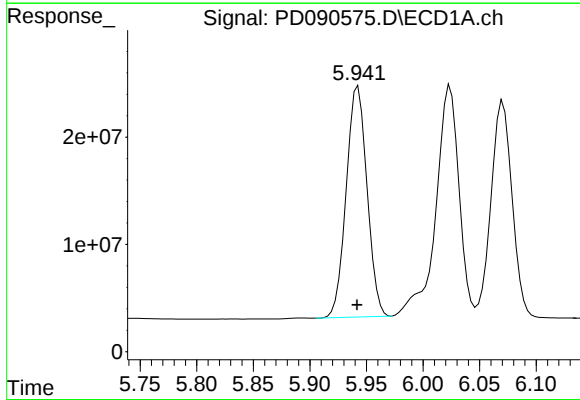
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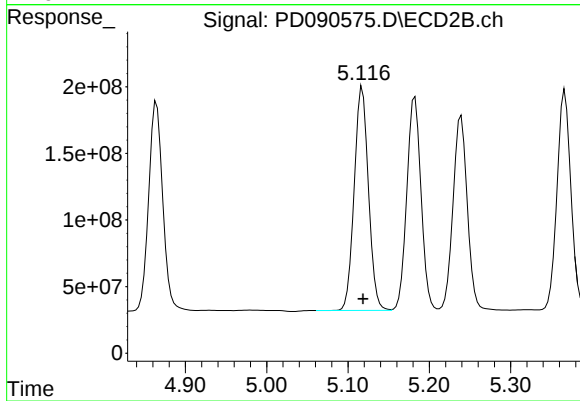
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1783508199
Conc: 51.54 ng/ml



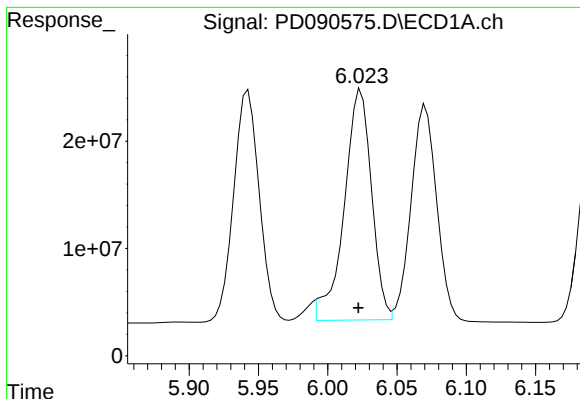
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: 0.001 min
Response: 275353567
Conc: 48.21 ng/ml



#10 gamma-Chlordane

R.T.: 5.118 min
Delta R.T.: 0.000 min
Response: 2035517132
Conc: 51.81 ng/ml



#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: 0.000 min
Response: 295566289
Conc: 51.31 ng/ml

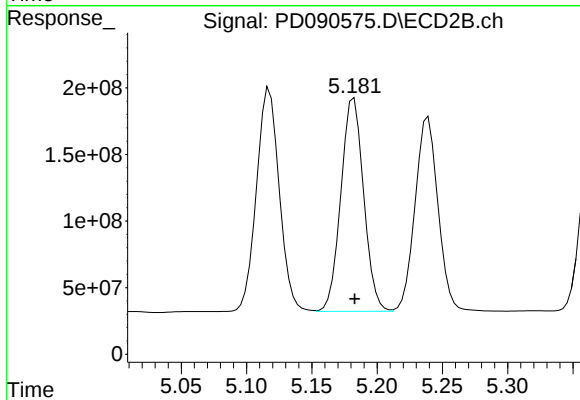
Instrument :

ECD_D

ClientSampleId :
PB170065BS

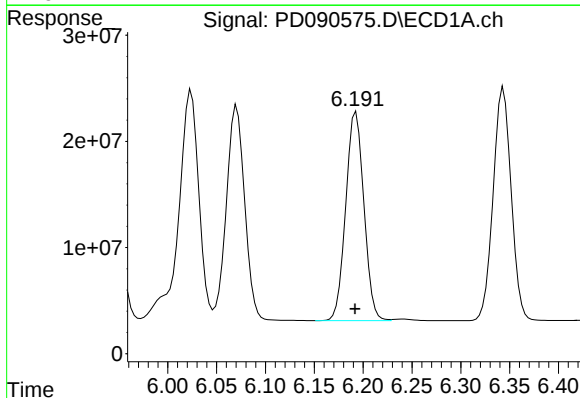
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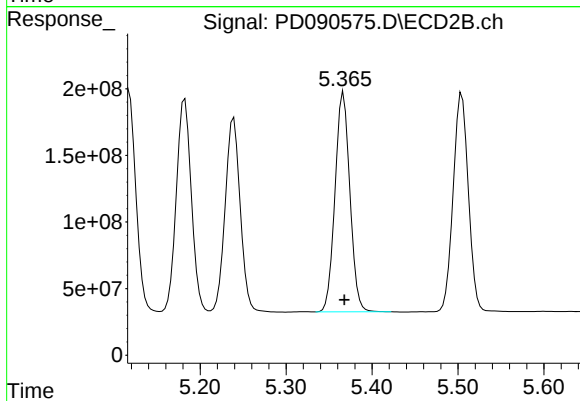
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1943725575
Conc: 51.61 ng/ml



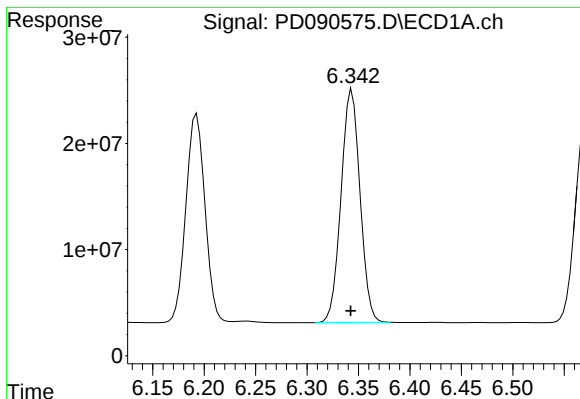
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 254707060
Conc: 48.91 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 1976613857
Conc: 51.64 ng/ml



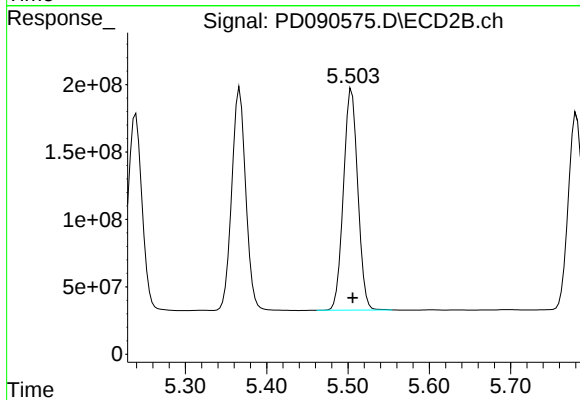
#13 Dieldrin

R.T.: 6.344 min
Delta R.T.: 0.001 min
Response: 281749807
Conc: 48.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170065BS

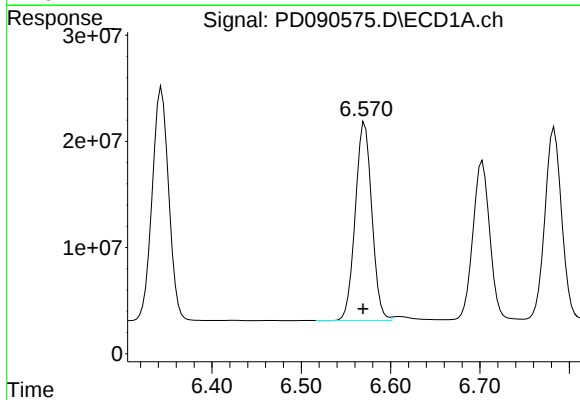
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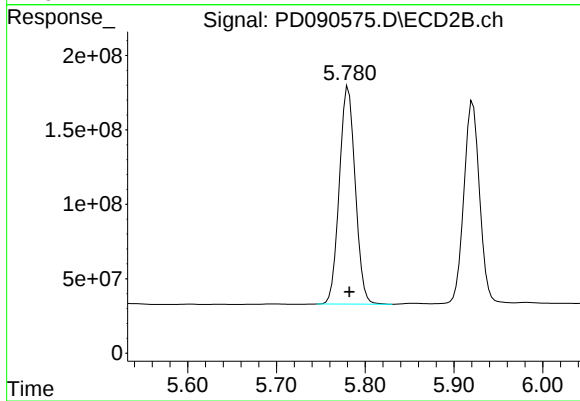
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 2006692079
Conc: 51.53 ng/ml



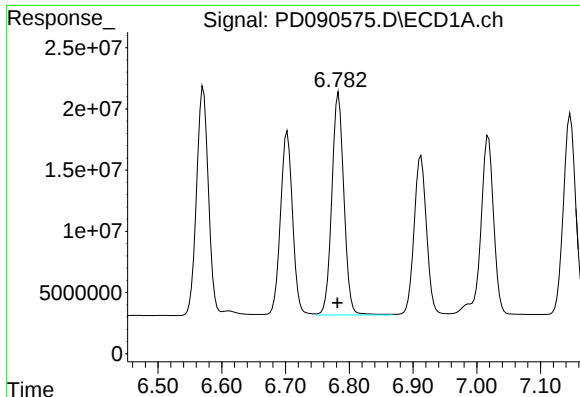
#14 Endrin

R.T.: 6.571 min
Delta R.T.: 0.002 min
Response: 240453203
Conc: 49.13 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1821581608
Conc: 50.84 ng/ml



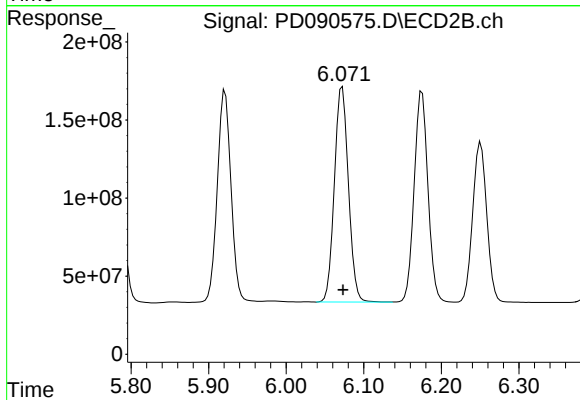
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: 0.002 min
Response: 239787067
Conc: 49.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170065BS

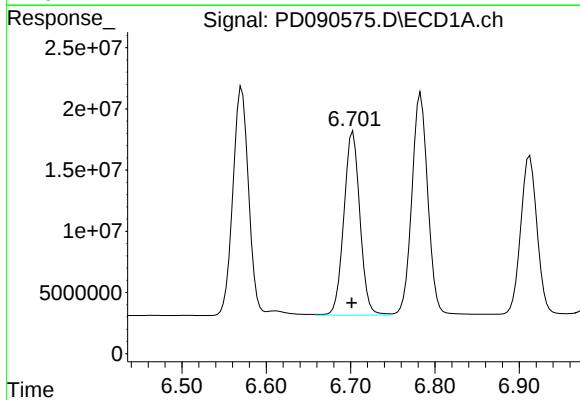
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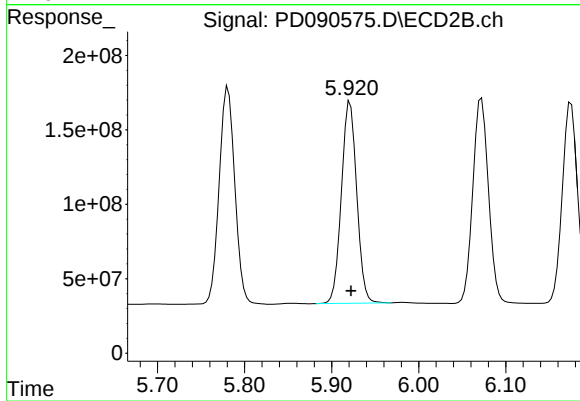
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1733373994
Conc: 51.36 ng/ml



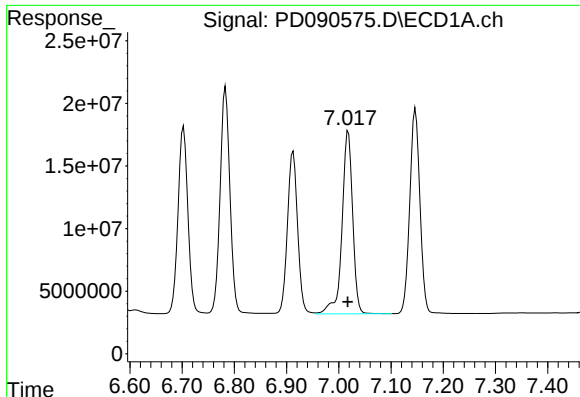
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: 0.001 min
Response: 198844475
Conc: 48.52 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 1657070141
Conc: 51.10 ng/ml



#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: 0.001 min
Response: 206097736
Conc: 46.29 ng/ml

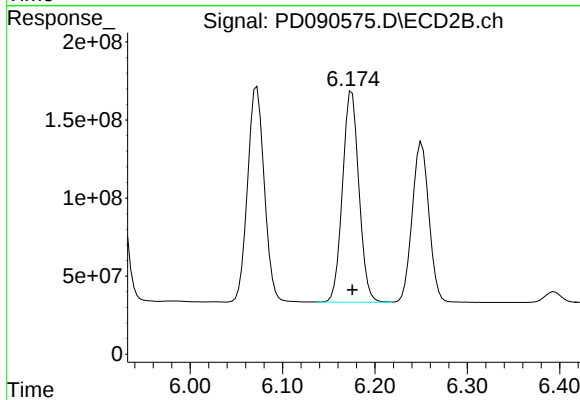
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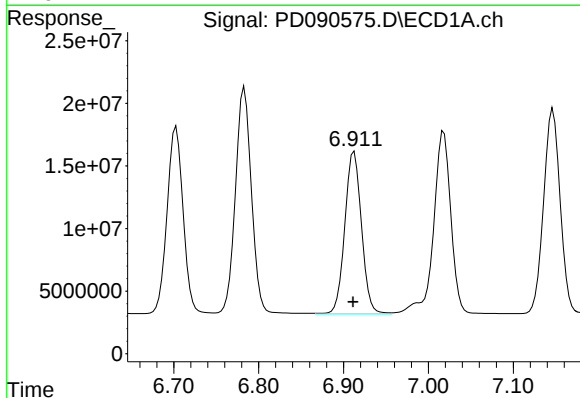
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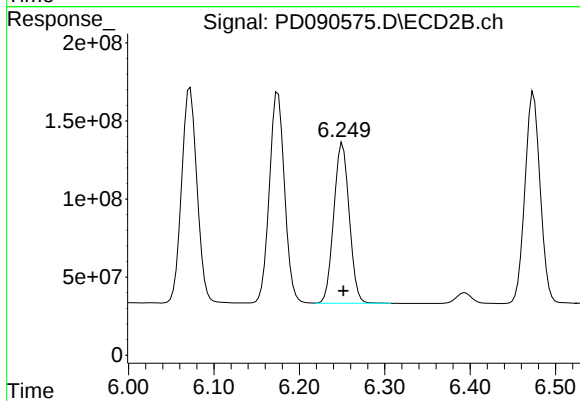
#17 4,4'-DDT

R.T.: 6.175 min
Delta R.T.: 0.000 min
Response: 1671949615
Conc: 48.63 ng/ml



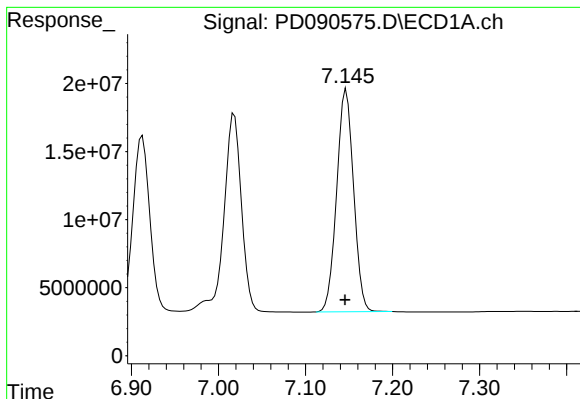
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.001 min
Response: 176797223
Conc: 51.54 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1291680525
Conc: 54.86 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.147 min
Delta R.T.: 0.001 min
Response: 220590419
Conc: 47.95 ng/ml

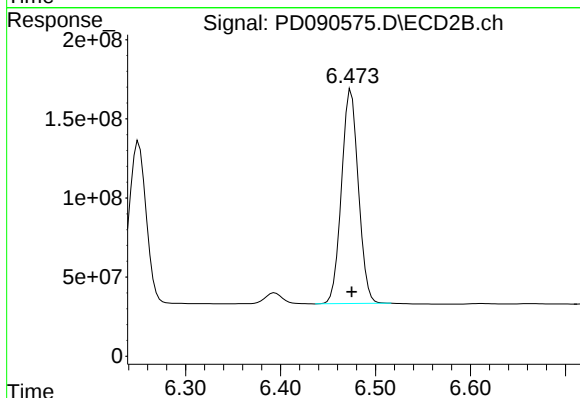
Instrument :

ECD_D

ClientSampleId :
PB170065BS

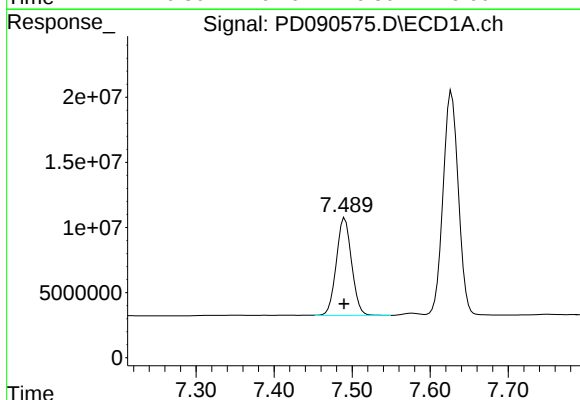
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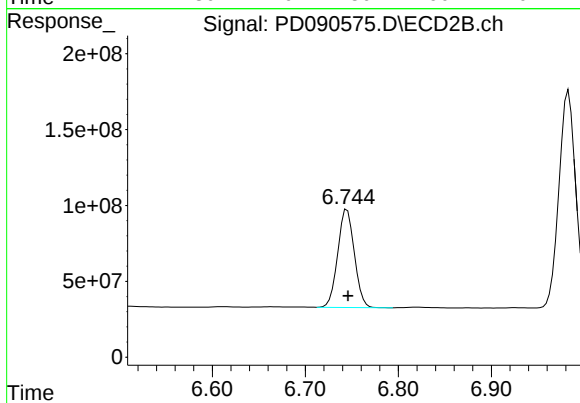
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1671990891
Conc: 51.15 ng/ml



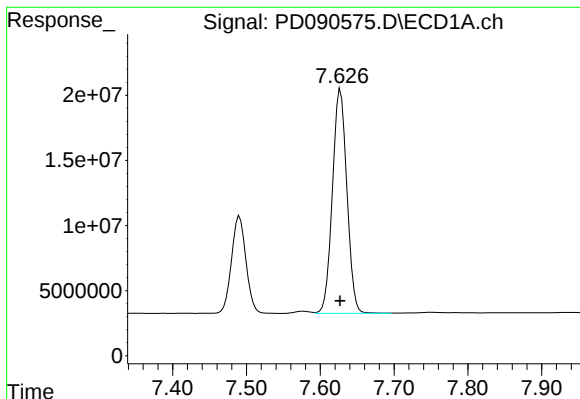
#20 Methoxychlor

R.T.: 7.491 min
Delta R.T.: 0.001 min
Response: 102392301
Conc: 43.45 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 802084169
Conc: 46.10 ng/ml



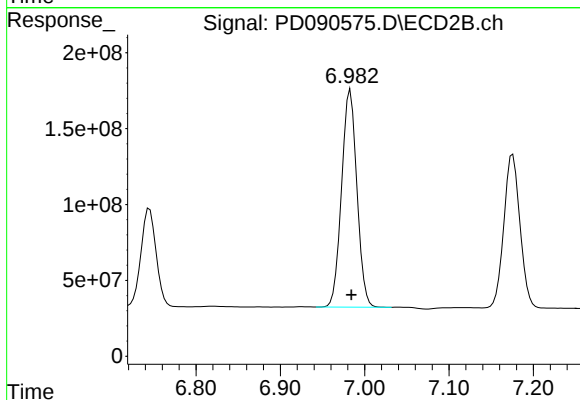
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: 0.000 min
Response: 234932334
Conc: 47.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170065BS

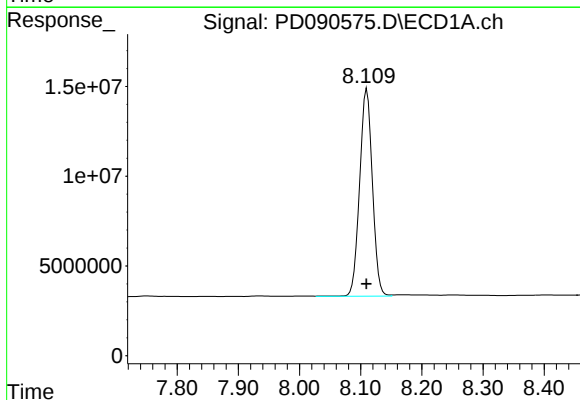
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



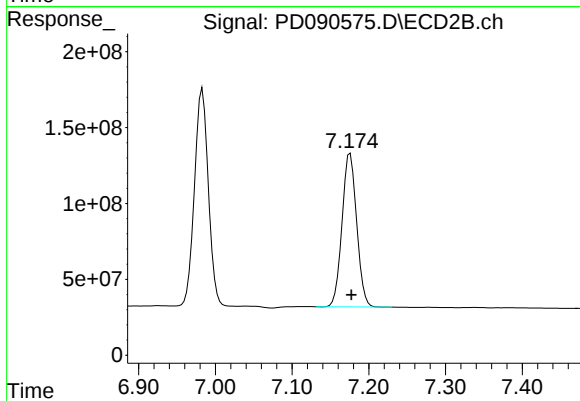
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.001 min
Response: 1807026867
Conc: 50.05 ng/ml



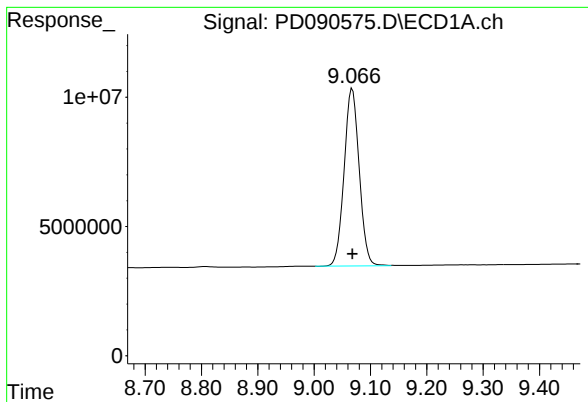
#22 Mirex

R.T.: 8.110 min
Delta R.T.: 0.000 min
Response: 167546722
Conc: 45.22 ng/ml



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.002 min
Response: 1343674754
Conc: 48.67 ng/ml



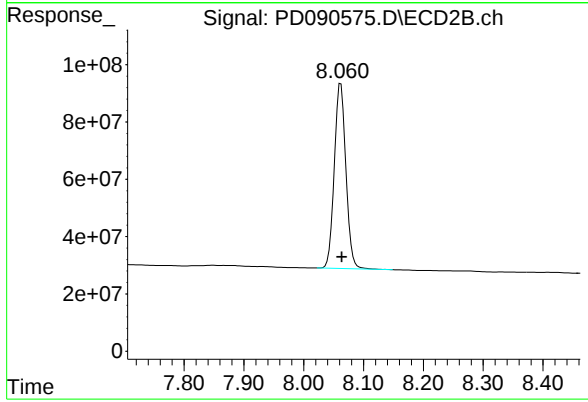
#28 Decachlorobiphenyl

R.T.: 9.068 min
Delta R.T.: 0.000 min
Response: 127478116
Conc: 26.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170065BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 871714570
Conc: 26.89 ng/ml