

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100425\
 Data File : PD090509.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Oct 2025 15:19
 Operator : AR\AJ
 Sample : PB169977BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169977BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/06/2025
 Supervised By :mohammad ahmed 10/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 04 01:27:37 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...	3.544	2.875	50453605	441.6E6	15.522m	16.086
28)	SA Decachlor...	9.064	8.061	90604954	575.7E6	18.778	17.760
Target Compounds							
2)	A alpha-BHC	3.994	3.386	361.1E6	2082.5E6	51.702	47.565
3)	MA gamma-BHC...	4.325	3.722	339.1E6	1941.9E6	51.254	47.670
4)	MA Heptachlor	4.923	4.074	346.1E6	1959.6E6	52.334	48.128
5)	MB Aldrin	5.265	4.360	331.9E6	1922.5E6	52.261	48.141
6)	B beta-BHC	4.512	4.018	127.6E6	820.8E6	49.442	47.349
7)	B delta-BHC	4.759	4.254	343.7E6	1980.2E6	53.230m	47.952
8)	B Heptachlo...	5.685	4.863	299.7E6	1810.6E6	52.434	49.115
9)	A Endosulfan I	6.067	5.237	282.5E6	1673.4E6	52.309m	48.358
10)	B gamma-Chl...	5.940	5.116	296.6E6	1896.9E6	51.923	48.283
11)	B alpha-Chl...	6.019	5.181	320.3E6	1818.4E6	55.605m	48.277
12)	B 4,4'-DDE	6.190	5.365	272.1E6	1856.2E6	52.253	48.493
13)	MA Dieldrin	6.341	5.503	306.7E6	1899.8E6	53.207	48.781
14)	MA Endrin	6.568	5.780	261.6E6	1765.3E6	53.459	49.267
15)	B Endosulfa...	6.781	6.071	262.3E6	1655.7E6	53.767	49.057
16)	A 4,4'-DDD	6.699	5.919	217.9E6	1578.3E6	53.183	48.672
17)	MA 4,4'-DDT	7.015	6.173	240.1E6	1667.0E6	53.927	48.490
18)	B Endrin al...	6.910	6.249	194.7E6	1249.2E6	56.755	53.053
19)	B Endosulfa...	7.144	6.472	246.5E6	1625.1E6	53.585	49.713
20)	A Methoxychlor	7.488	6.744	124.8E6	840.9E6	52.950	48.324
21)	B Endrin ke...	7.625	6.980	265.7E6	1851.4E6	53.712	51.280m
22)	Mirex	8.107	7.174	188.1E6	1289.5E6	50.771	46.709

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100425\
Data File : PD090509.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Oct 2025 15:19
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Sample : PB169977BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

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ClientSampleId :

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Manual Integrations

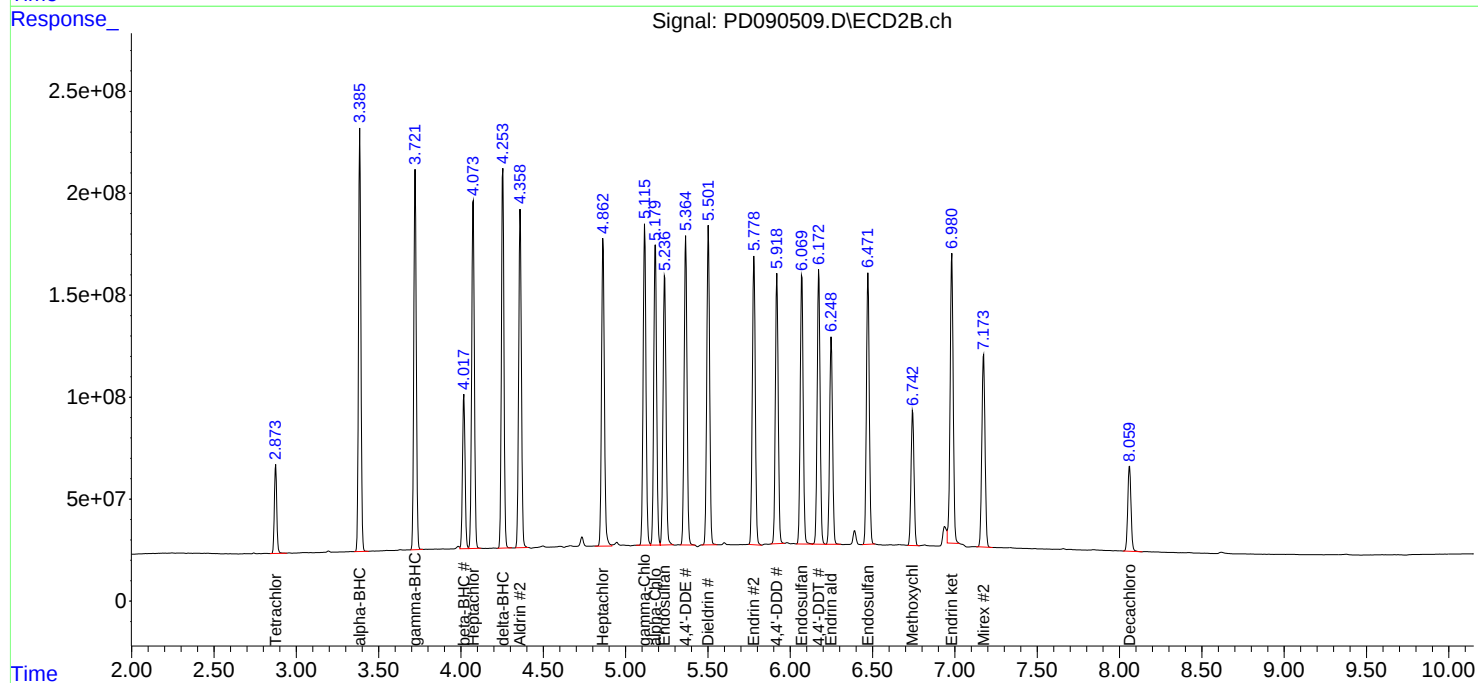
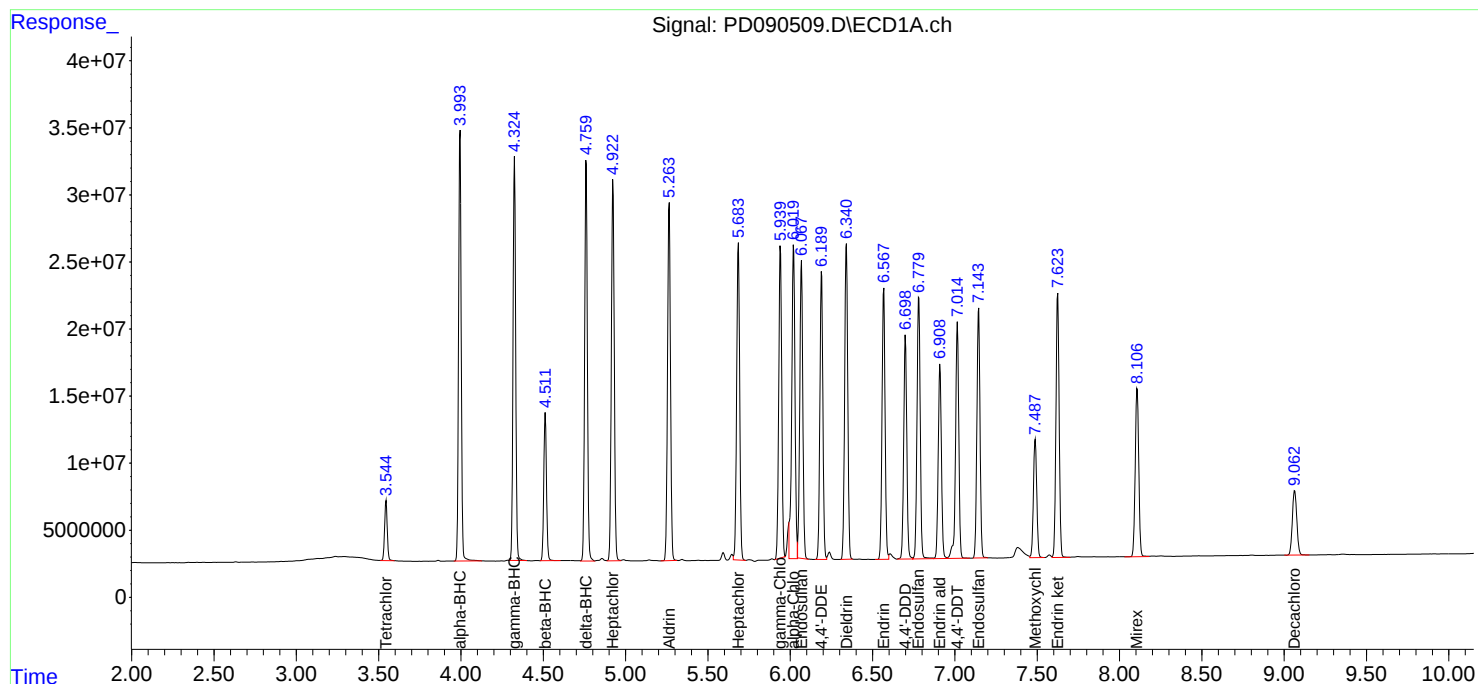
APPROVED

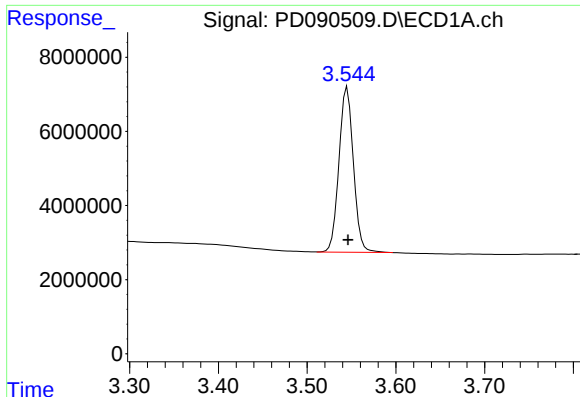
Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 04 01:27:37 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
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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





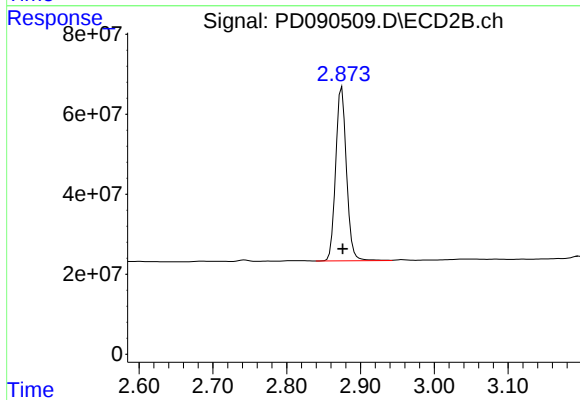
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 50453605
Conc: 15.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169977BS

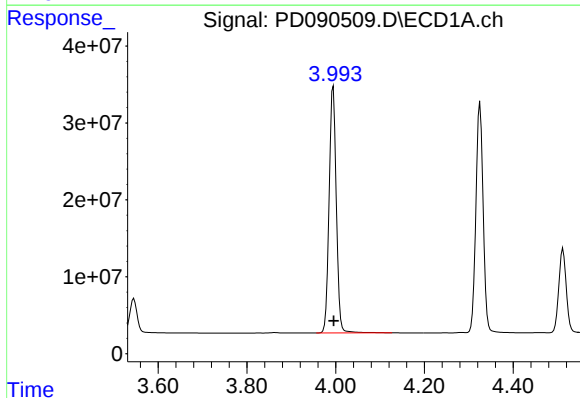
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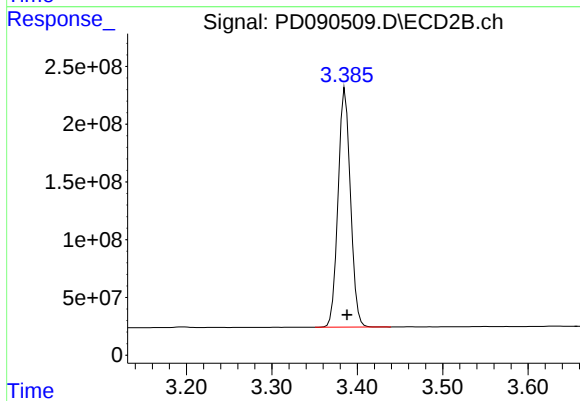
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 441560058
Conc: 16.09 ng/ml



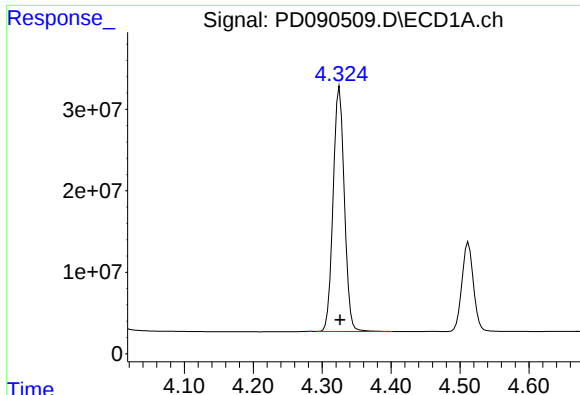
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 361113485
Conc: 51.70 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2082543603
Conc: 47.57 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 339141108
Conc: 51.25 ng/ml

Instrument :

ECD_D

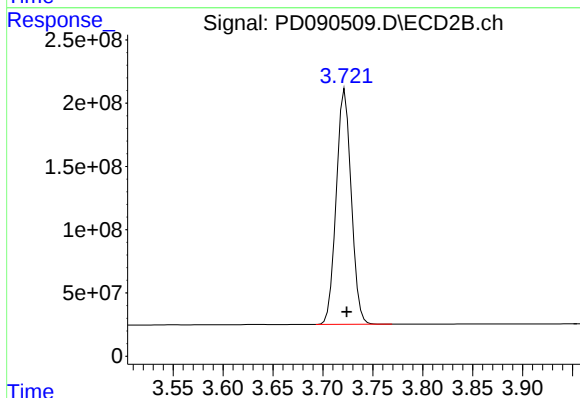
ClientSampleId :

PB169977BS

Manual Integrations

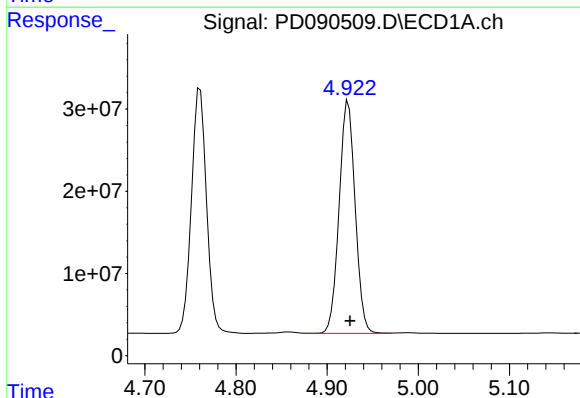
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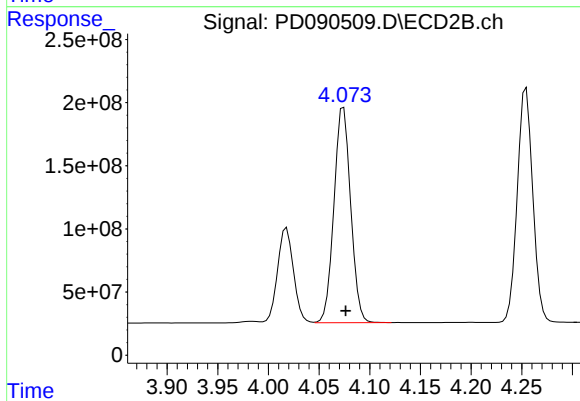
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 1941880382
Conc: 47.67 ng/ml



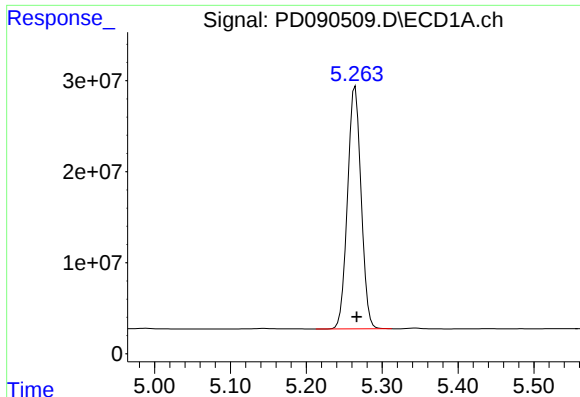
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 346064297
Conc: 52.33 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 1959608126
Conc: 48.13 ng/ml



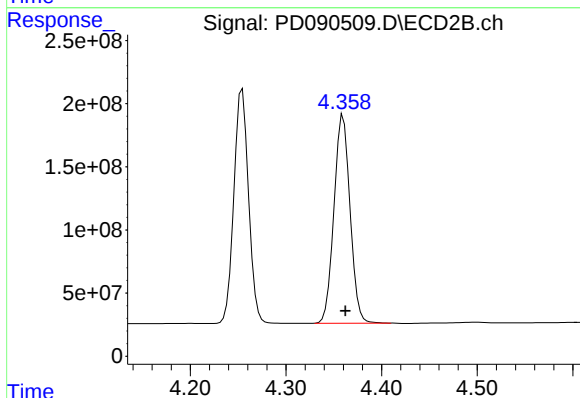
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 331856221
Conc: 52.26 ng/ml

Instrument :
ECD_D
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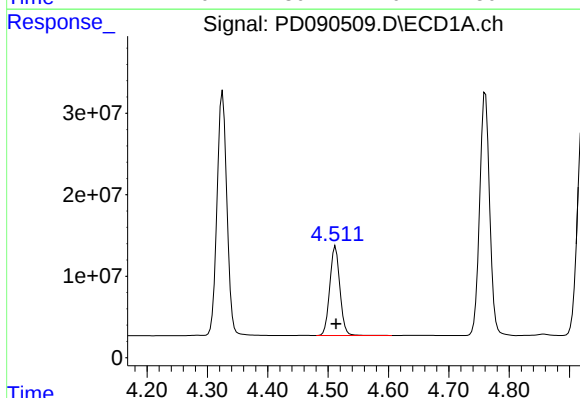
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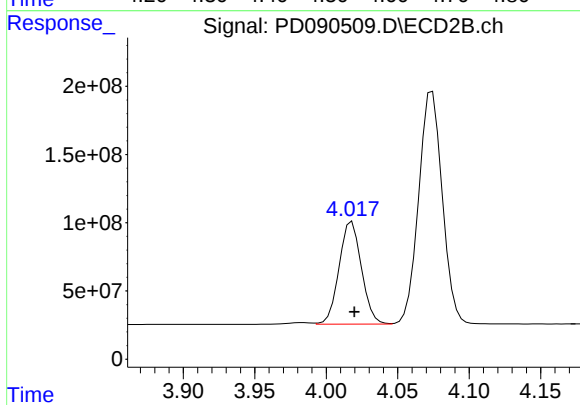
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1922513676
Conc: 48.14 ng/ml



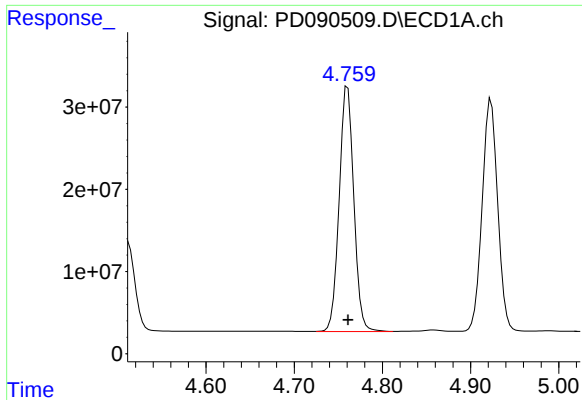
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 127557541
Conc: 49.44 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 820803755
Conc: 47.35 ng/ml



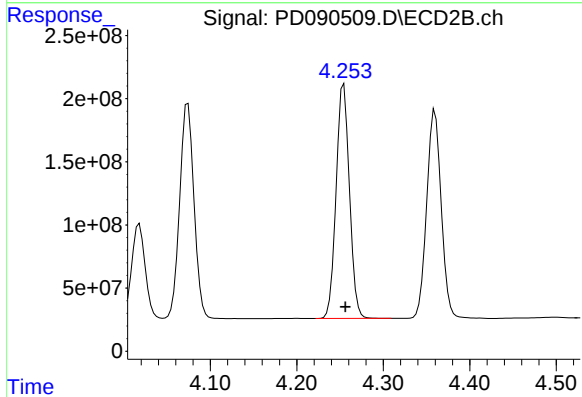
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 343729500
Conc: 53.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169977BS

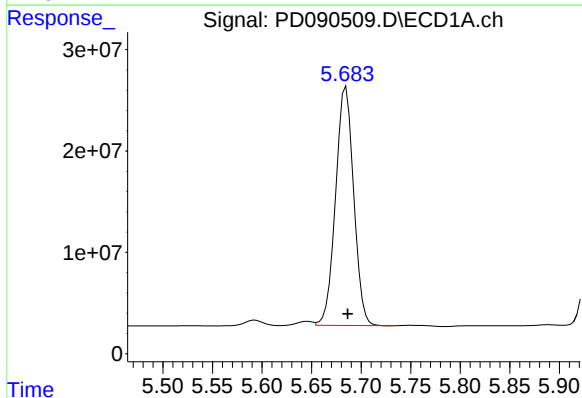
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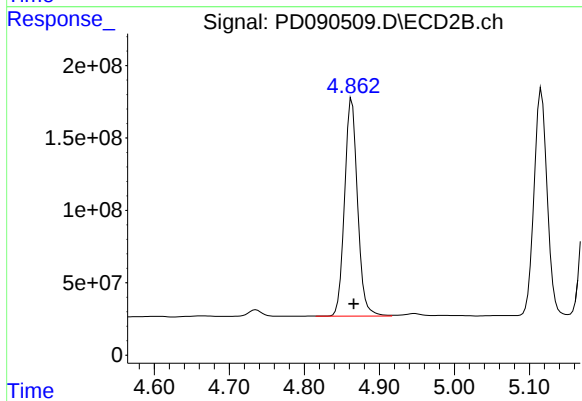
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 1980172287
Conc: 47.95 ng/ml



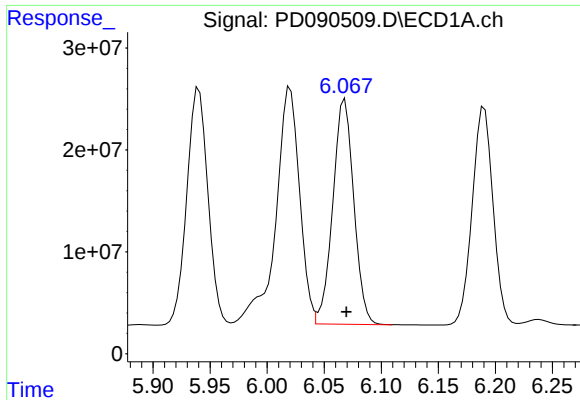
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.002 min
Response: 299653894
Conc: 52.43 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.002 min
Response: 1810612415
Conc: 49.11 ng/ml



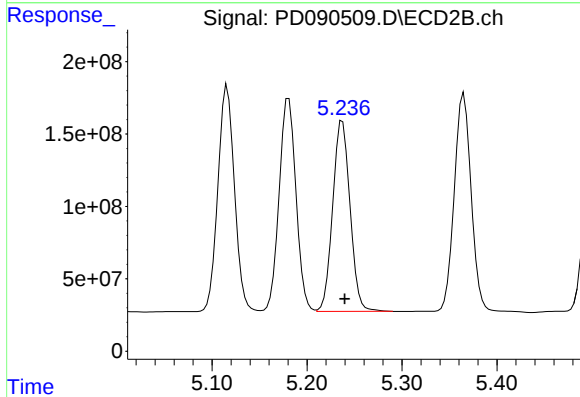
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 282544227
Conc: 52.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169977BS

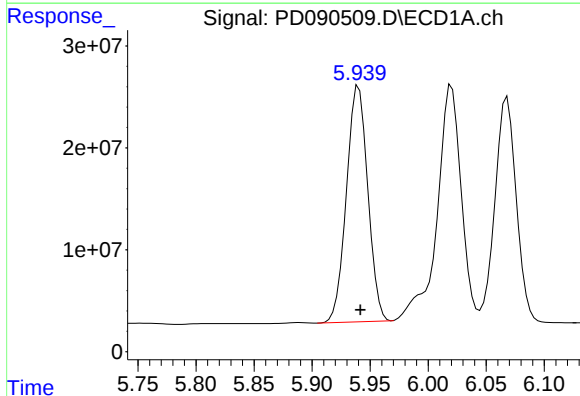
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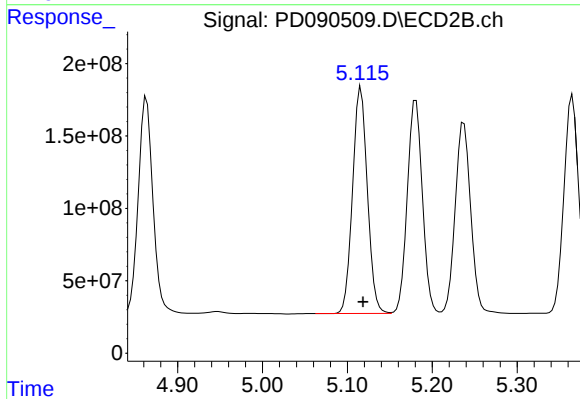
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.003 min
Response: 1673447020
Conc: 48.36 ng/ml



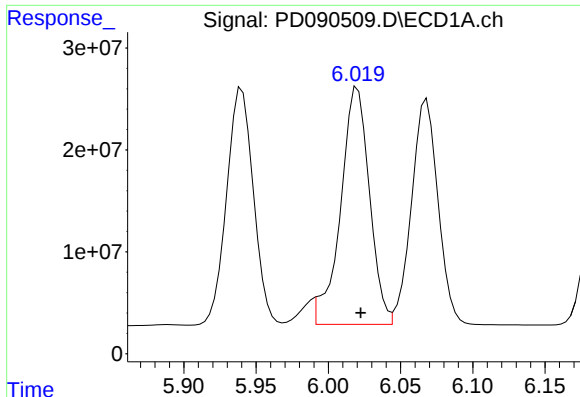
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 296580297
Conc: 51.92 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 1896859442
Conc: 48.28 ng/ml



#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 320330370
Conc: 55.60 ng/ml

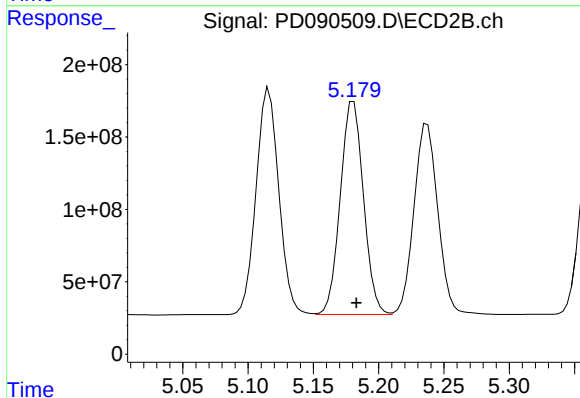
Instrument :

ECD_D

ClientSampleId :
PB169977BS

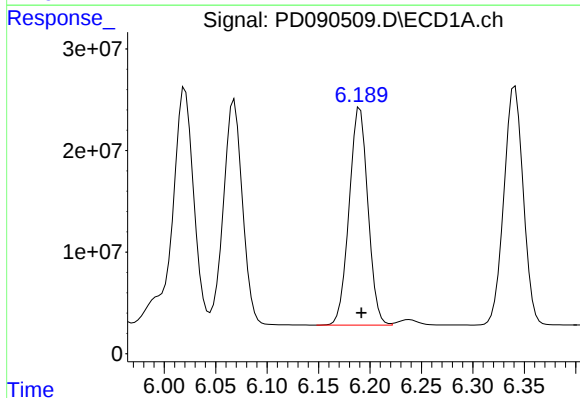
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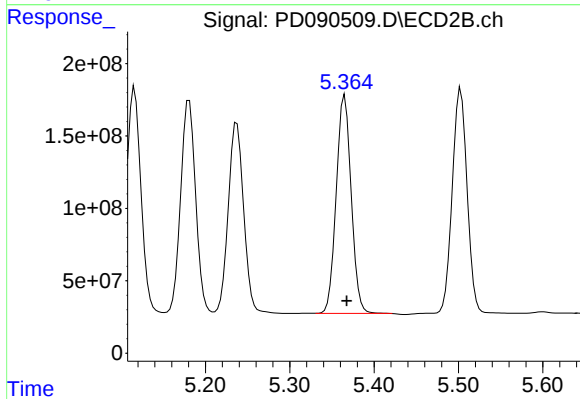
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1818366558
Conc: 48.28 ng/ml



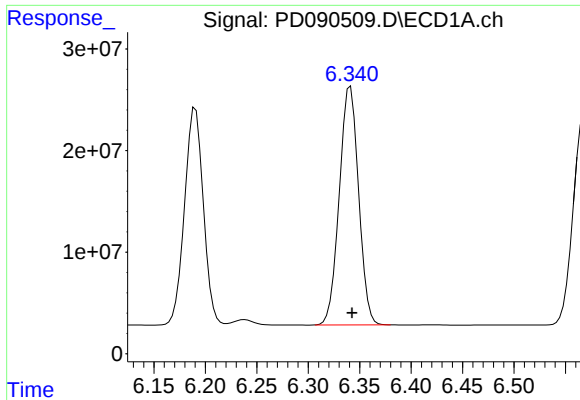
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.001 min
Response: 272108890
Conc: 52.25 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1856247808
Conc: 48.49 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 306724077
Conc: 53.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

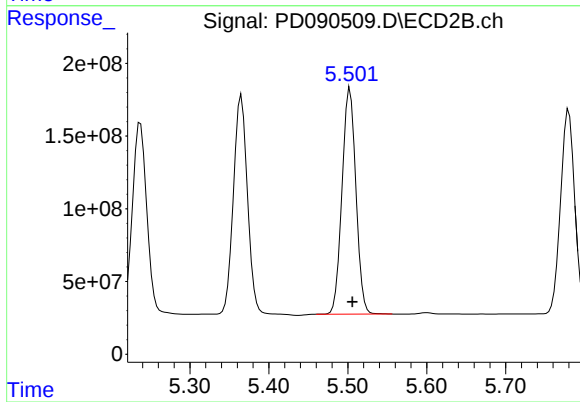
PB169977BS

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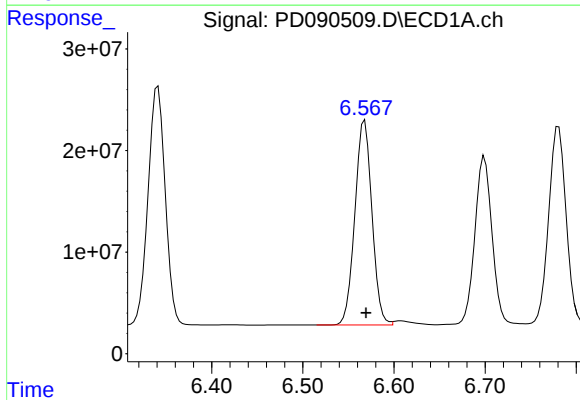
Reviewed By :Yogesh Patel 10/06/2025

Supervised By :mohammad ahmed 10/06/2025



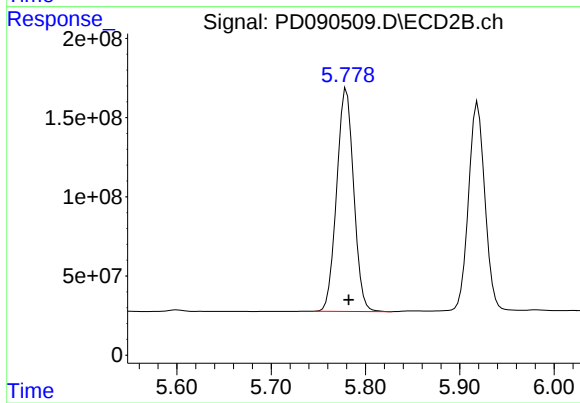
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 1899820459
Conc: 48.78 ng/ml



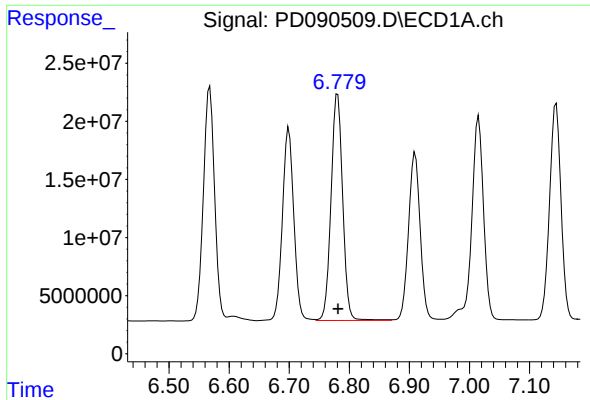
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 261627054
Conc: 53.46 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1765335108
Conc: 49.27 ng/ml



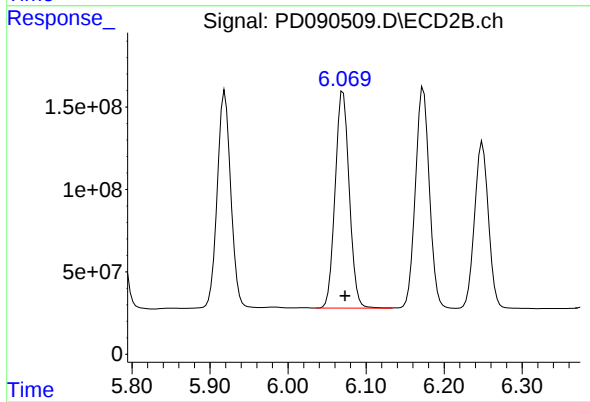
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 262265900
Conc: 53.77 ng/ml

Instrument :
ECD_D
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PB169977BS

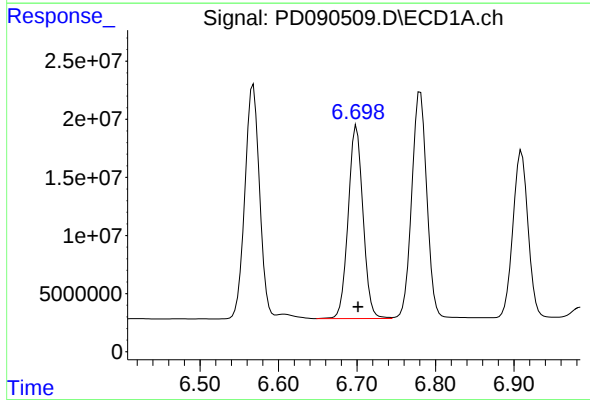
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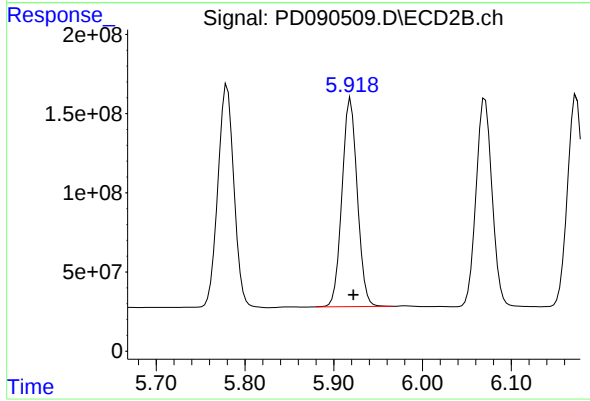
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 1655704540
Conc: 49.06 ng/ml



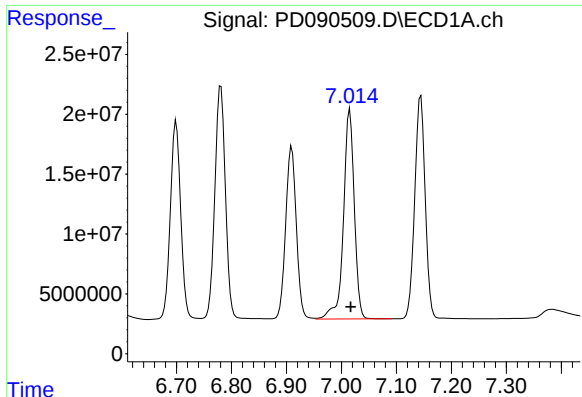
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 217934551
Conc: 53.18 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 1578320177
Conc: 48.67 ng/ml



#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 240106371
Conc: 53.93 ng/ml

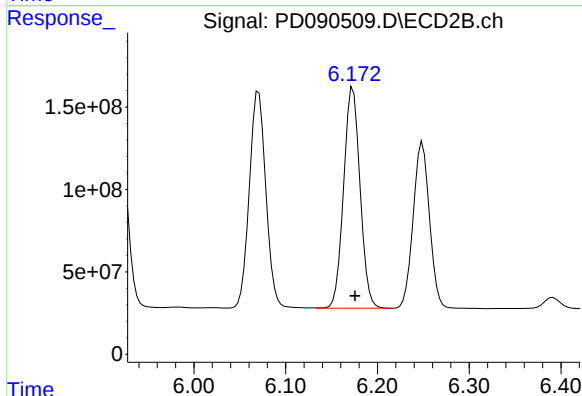
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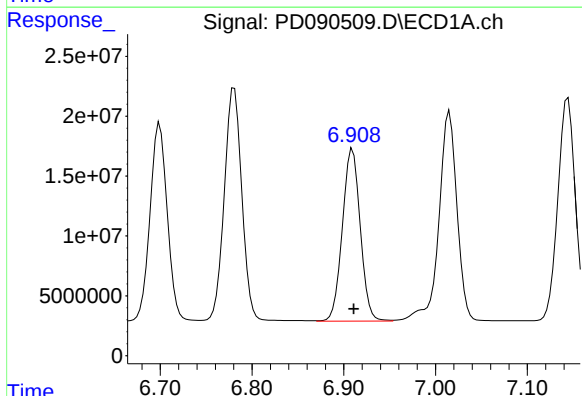
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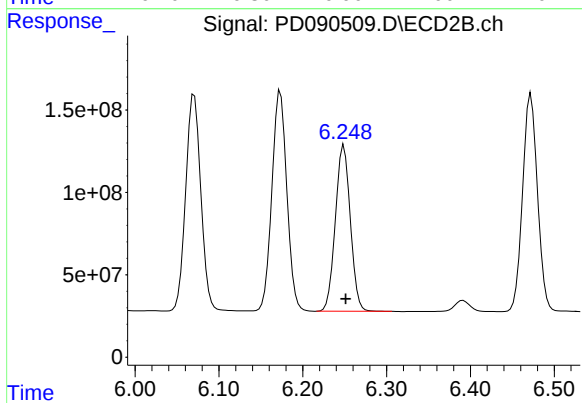
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 1667031487
Conc: 48.49 ng/ml



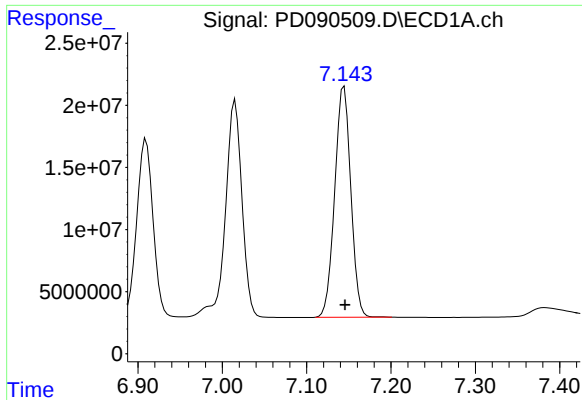
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 194704282
Conc: 56.76 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 1249225142
Conc: 53.05 ng/ml



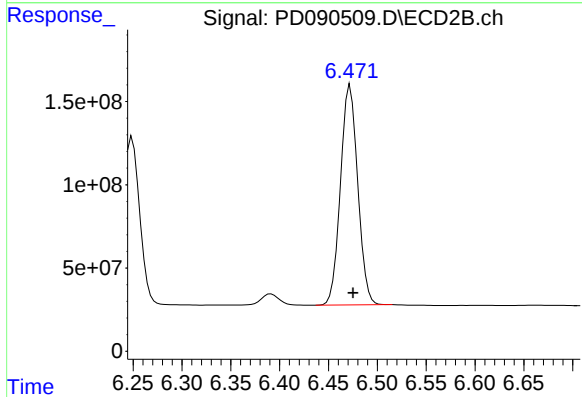
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 246510508
Conc: 53.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169977BS

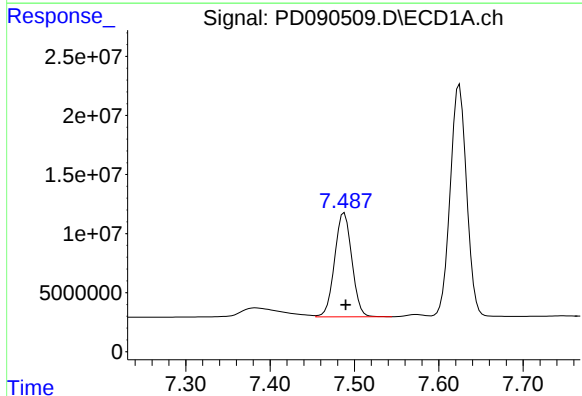
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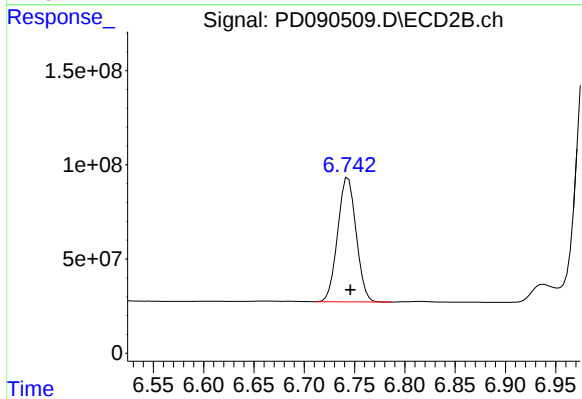
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.003 min
Response: 1625134911
Conc: 49.71 ng/ml



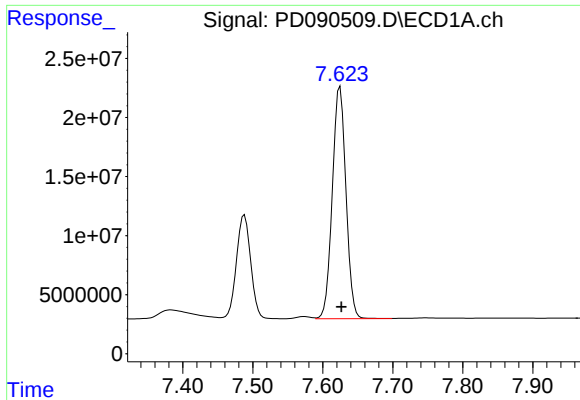
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 124777261
Conc: 52.95 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 840855246
Conc: 48.32 ng/ml



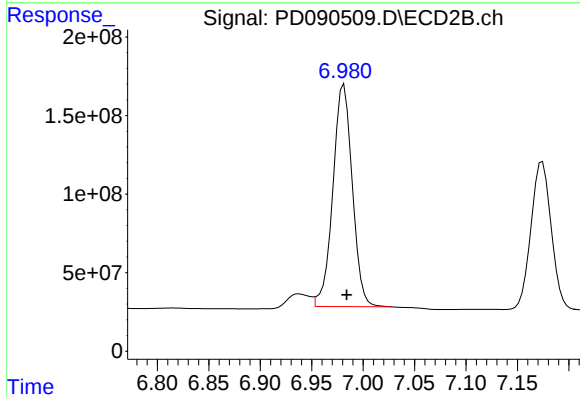
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 265734681
Conc: 53.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169977BS

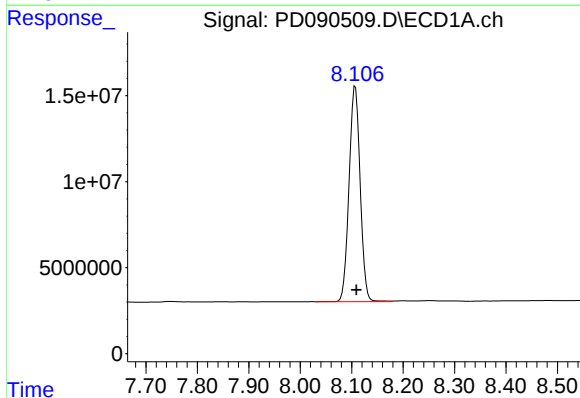
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/06/2025
Supervised By :mohammad ahmed 10/06/2025



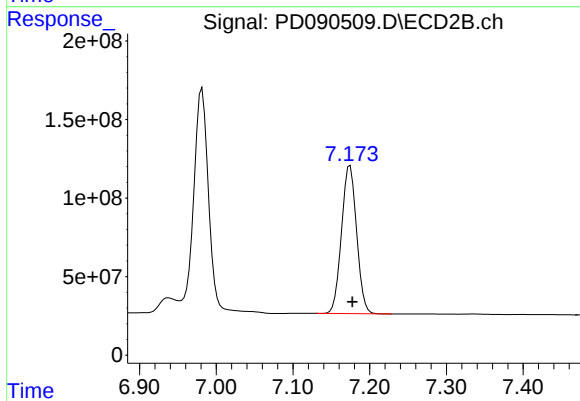
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.004 min
Response: 1851369417
Conc: 51.28 ng/ml m



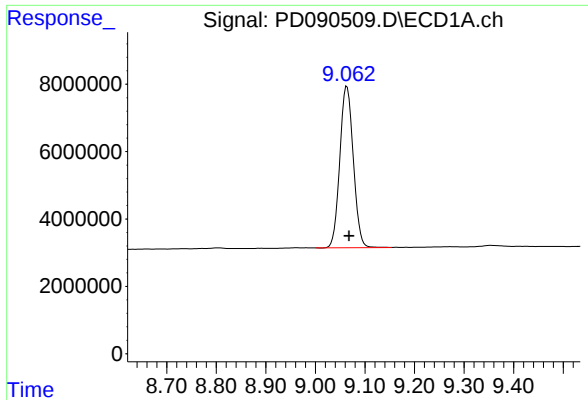
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.002 min
Response: 188098276
Conc: 50.77 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.003 min
Response: 1289463408
Conc: 46.71 ng/ml



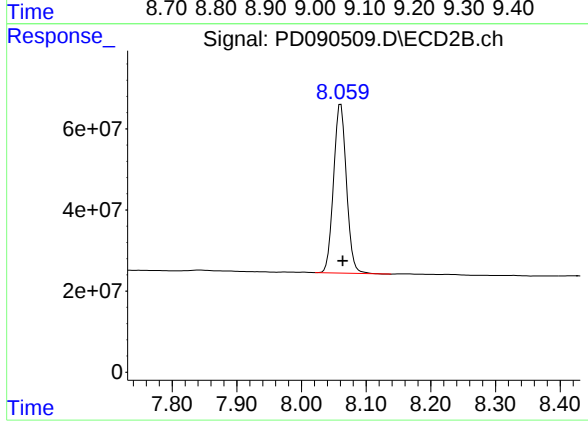
#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.004 min
Response: 90604954
Conc: 18.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169977BS

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 10/06/2025
Supervised By :mohammad ahmed 10/06/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 575698457
Conc: 17.76 ng/ml