

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090856.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 19:56
 Operator : AR\AJ
 Sample : PB170270BS
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170270BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:12:35 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.542	2.874	74659231	740.0E6	23.974m	24.852
28)	SA Decachlor...	9.061	8.058	131.2E6	889.5E6	28.047	29.366
Target Compounds							
2)	A alpha-BHC	3.993	3.385	400.6E6	2628.3E6	55.817	51.438
3)	MA gamma-BHC...	4.323	3.721	373.7E6	2433.2E6	54.969	51.497
4)	MA Heptachlor	4.920	4.073	361.1E6	2368.7E6	64.595m	53.107
5)	MB Aldrin	5.263	4.358	362.4E6	2389.8E6	55.345	51.595
6)	B beta-BHC	4.510	4.017	139.9E6	1020.3E6	53.415	51.454
7)	B delta-BHC	4.759	4.253	379.3E6	2491.9E6	56.098	52.223
8)	B Heptachlo...	5.683	4.862	323.4E6	2186.6E6	55.864	51.281
9)	A Endosulfan I	6.066	5.236	306.8E6	2055.2E6	55.407	52.175
10)	B gamma-Chl...	5.938	5.114	326.5E6	2357.0E6	55.046	52.437
11)	B alpha-Chl...	6.018	5.179	332.0E6	2253.0E6	53.725	52.227
12)	B 4,4'-DDE	6.188	5.364	296.7E6	2298.0E6	55.699	52.421
13)	MA Dieldrin	6.338	5.501	329.4E6	2347.4E6	56.495	53.129
14)	MA Endrin	6.566	5.778	269.9E6	2083.9E6	54.484	51.462
15)	B Endosulfa...	6.778	6.069	273.3E6	1997.2E6	54.668	53.180
16)	A 4,4'-DDD	6.698	5.918	241.0E6	2021.6E6	59.454	55.480
17)	MA 4,4'-DDT	7.013	6.172	225.3E6	1848.1E6	54.819	52.694
18)	B Endrin al...	6.907	6.247	202.3E6	1488.9E6	55.222	53.763
19)	B Endosulfa...	7.142	6.471	253.9E6	1924.2E6	54.733	53.680
20)	A Methoxychlor	7.486	6.741	114.3E6	899.3E6	53.758	51.603
21)	B Endrin ke...	7.622	6.979	272.5E6	2041.2E6	56.080	54.117
22)	Mirex	8.104	7.172	180.1E6	1462.5E6	56.259	56.928

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090856.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 19:56
Operator : AR\AJ
Sample : PB170270BS
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170270BS

Manual Integrations

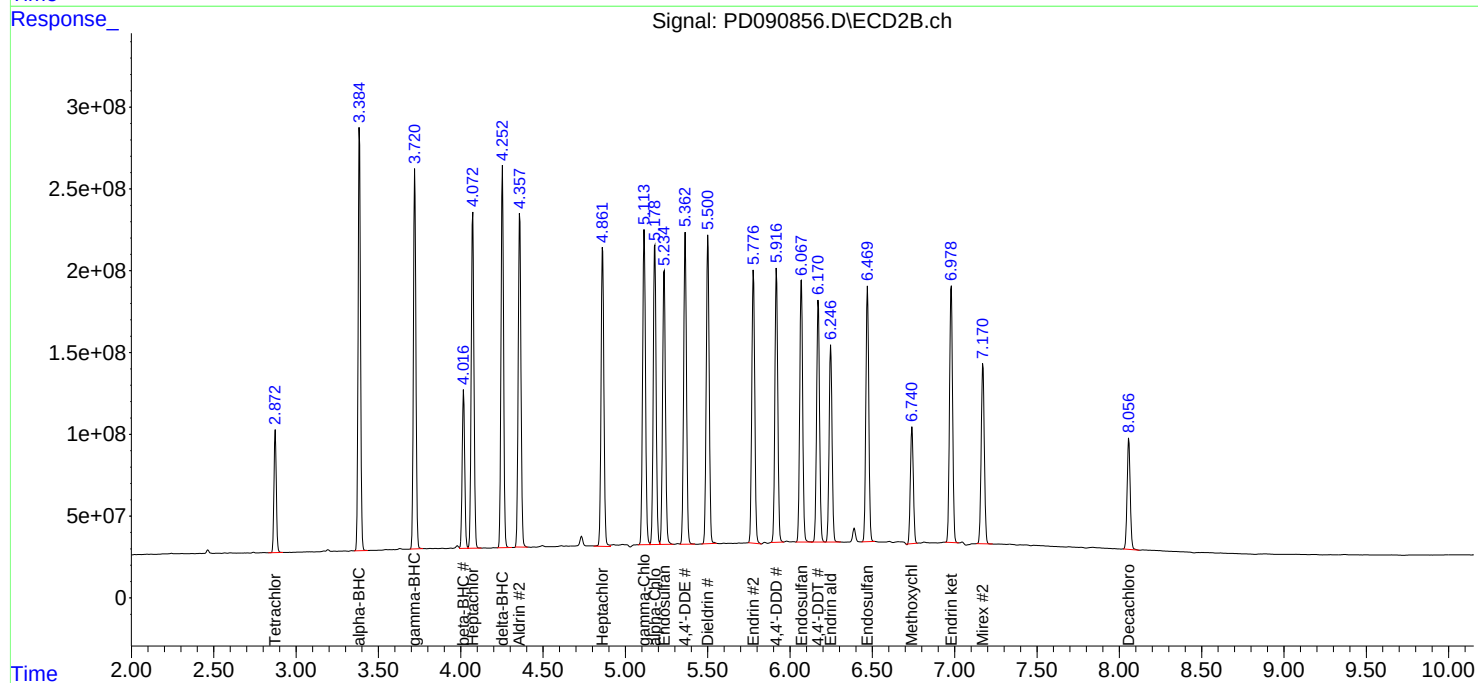
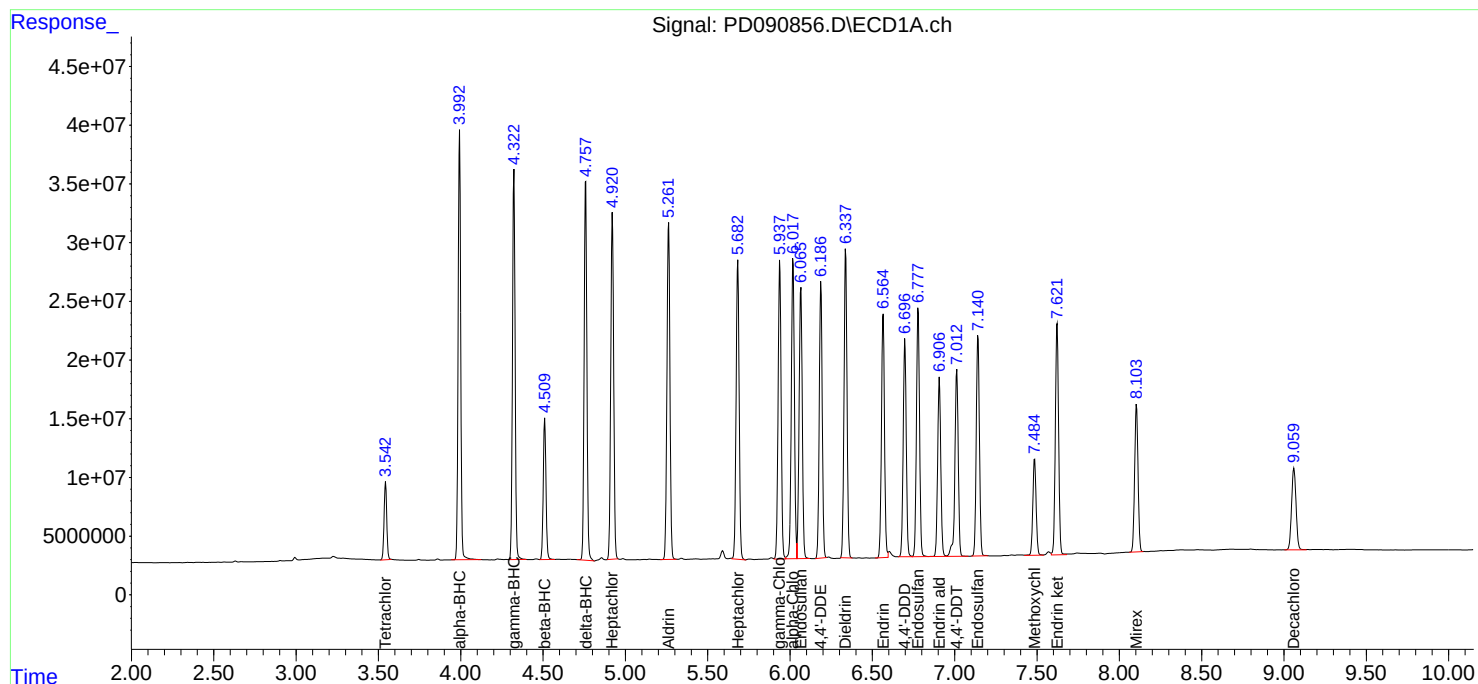
APPROVED

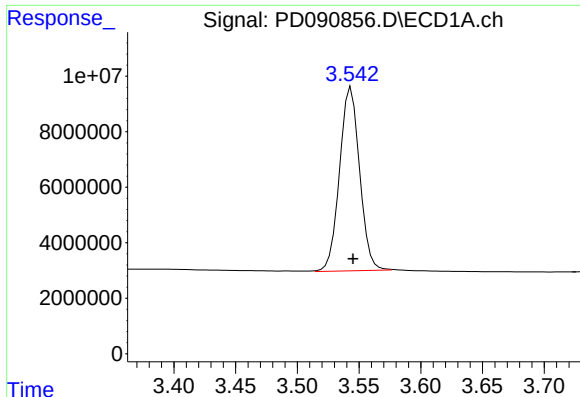
Reviewed By :Abdul Mirza 10/28/2025

Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:12:35 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





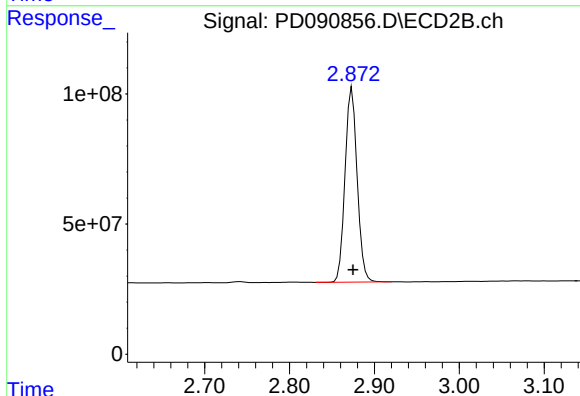
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.003 min
Response: 74659231
Conc: 23.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

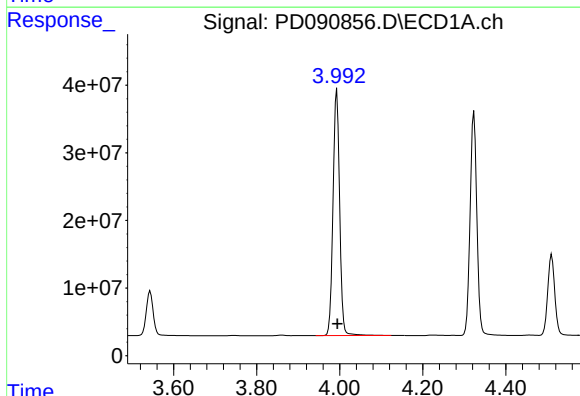
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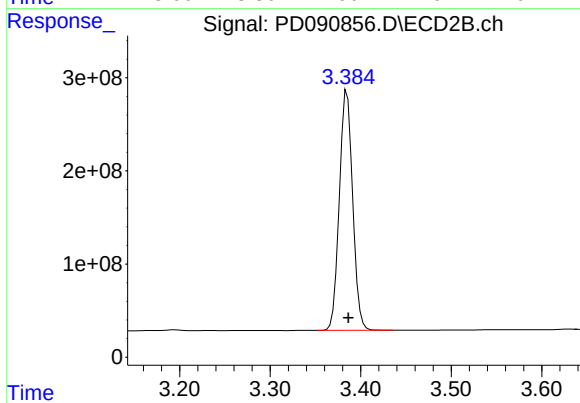
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 740014279
Conc: 24.85 ng/ml



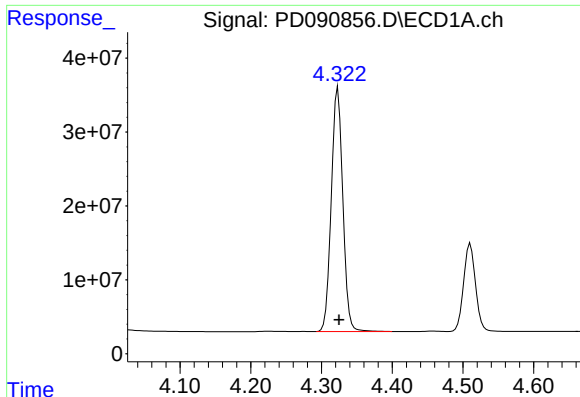
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 400604562
Conc: 55.82 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.002 min
Response: 2628253812
Conc: 51.44 ng/ml



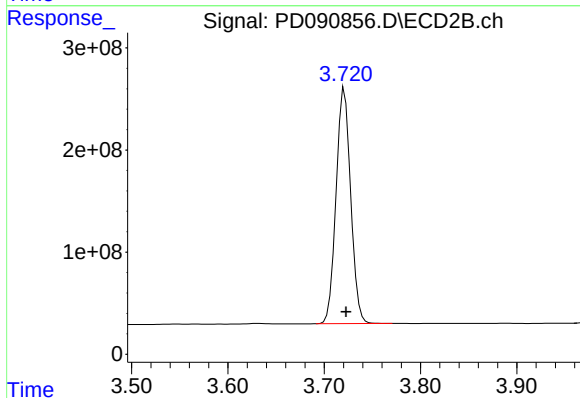
#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 373724448
Conc: 54.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

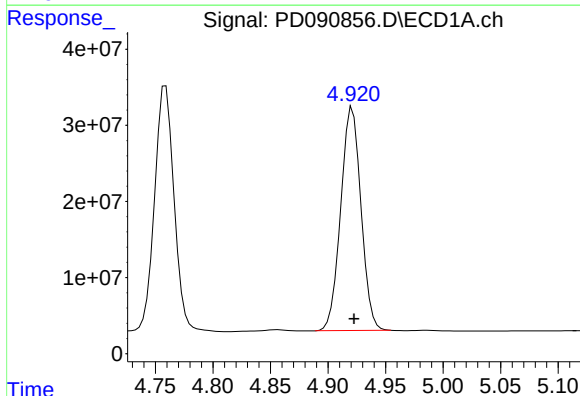
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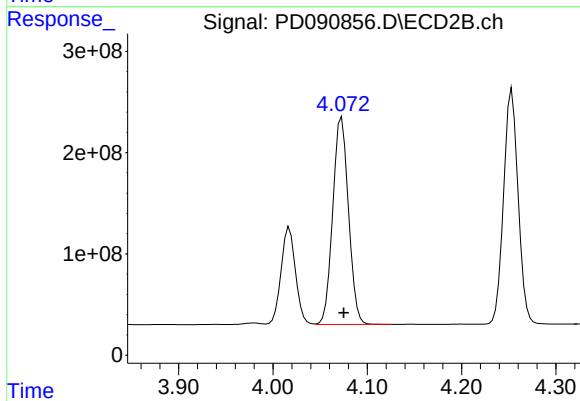
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2433152869
Conc: 51.50 ng/ml



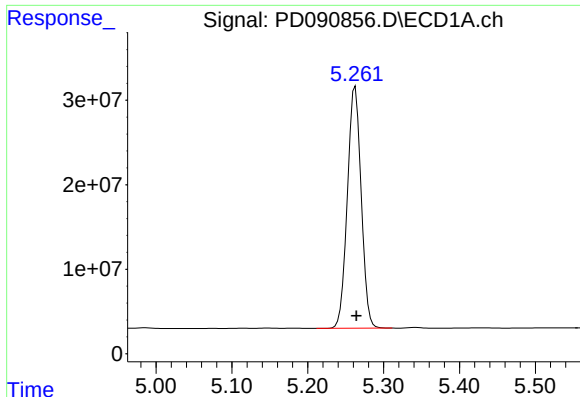
#4 Heptachlor

R.T.: 4.920 min
Delta R.T.: -0.003 min
Response: 361059131
Conc: 64.60 ng/ml m



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2368724028
Conc: 53.11 ng/ml



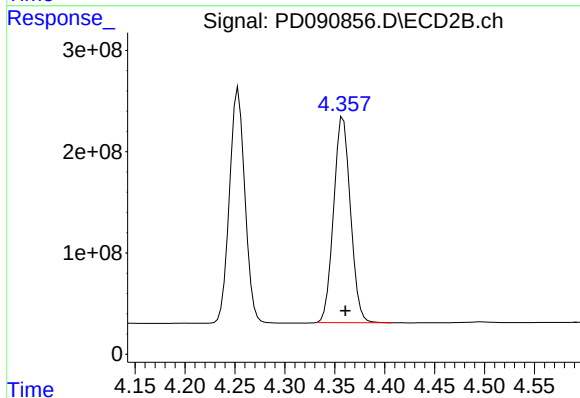
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.002 min
Response: 362361213
Conc: 55.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

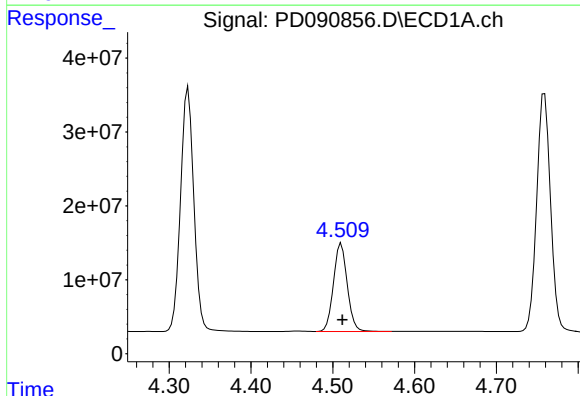
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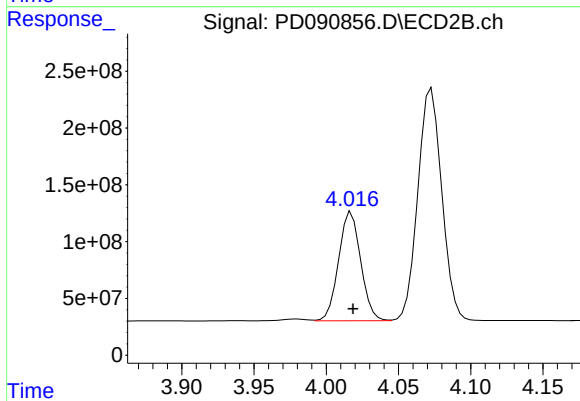
#5 Aldrin

R.T.: 4.358 min
Delta R.T.: -0.002 min
Response: 2389837984
Conc: 51.60 ng/ml



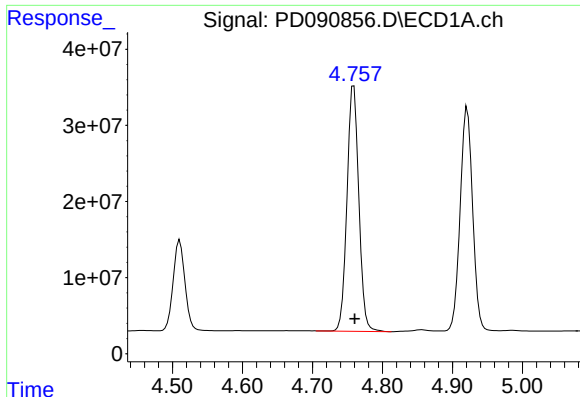
#6 beta-BHC

R.T.: 4.510 min
Delta R.T.: -0.002 min
Response: 139927755
Conc: 53.42 ng/ml



#6 beta-BHC

R.T.: 4.017 min
Delta R.T.: -0.001 min
Response: 1020300698
Conc: 51.45 ng/ml



#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 379322162
Conc: 56.10 ng/ml

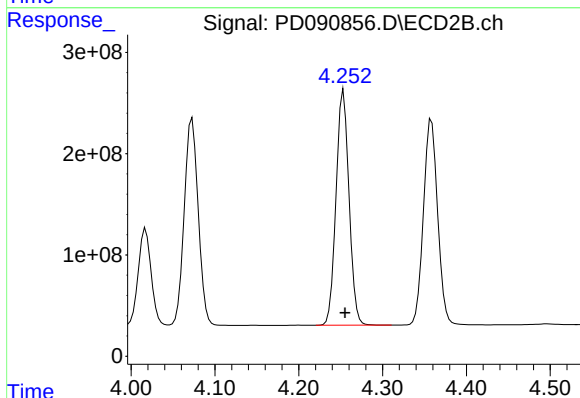
Instrument :

ECD_D

ClientSampleId :
PB170270BS

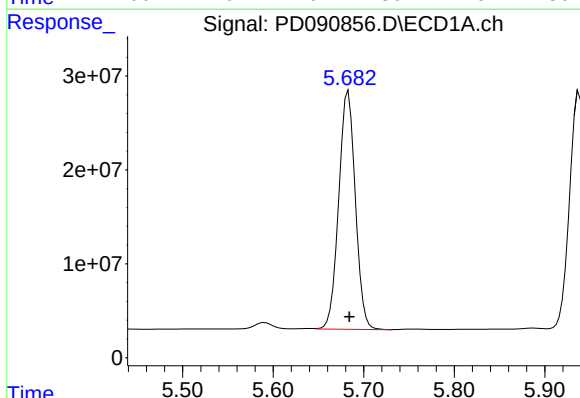
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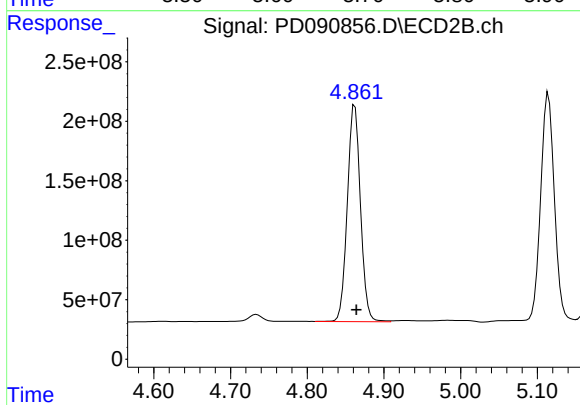
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2491917996
Conc: 52.22 ng/ml



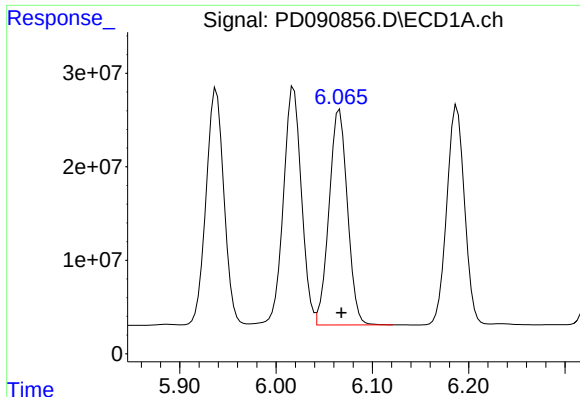
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.001 min
Response: 323402146
Conc: 55.86 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2186577734
Conc: 51.28 ng/ml



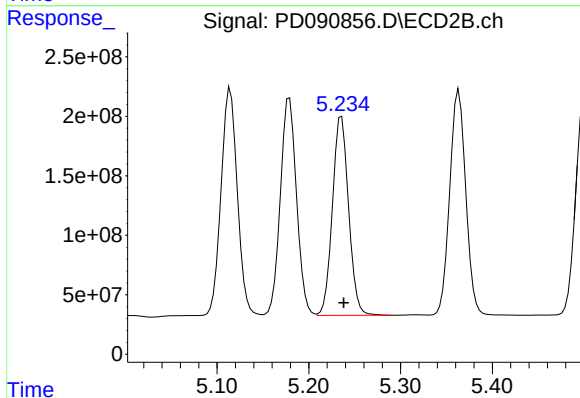
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 306769255
Conc: 55.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

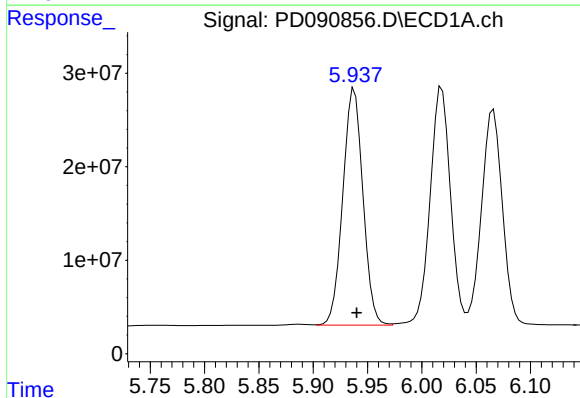
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Reviewed By :Abdul Mirza 10/28/2025
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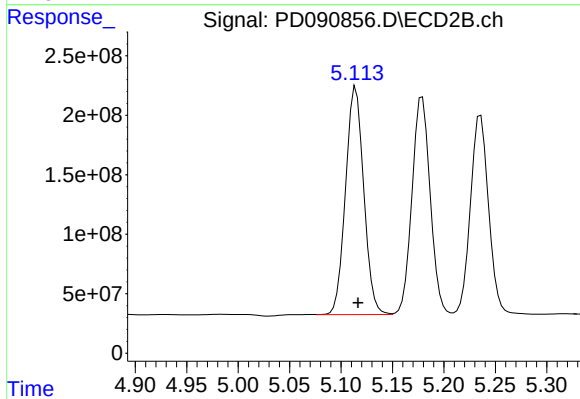
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 2055206070
Conc: 52.18 ng/ml



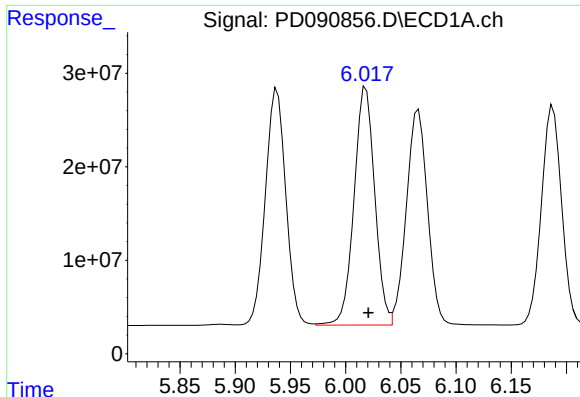
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 326485145
Conc: 55.05 ng/ml



#10 gamma-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.002 min
Response: 2356995372
Conc: 52.44 ng/ml



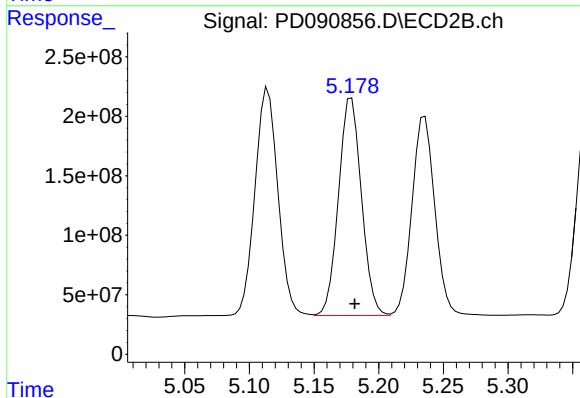
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.002 min
Response: 332037051
Conc: 53.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

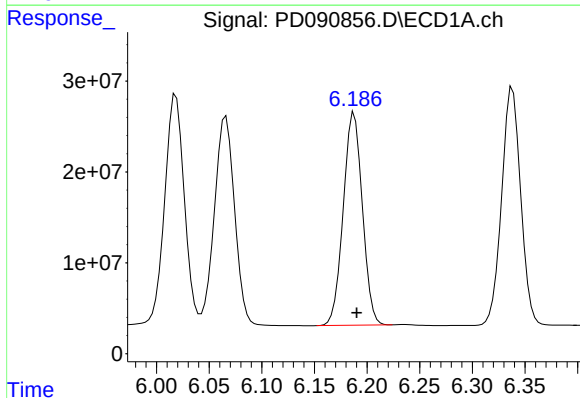
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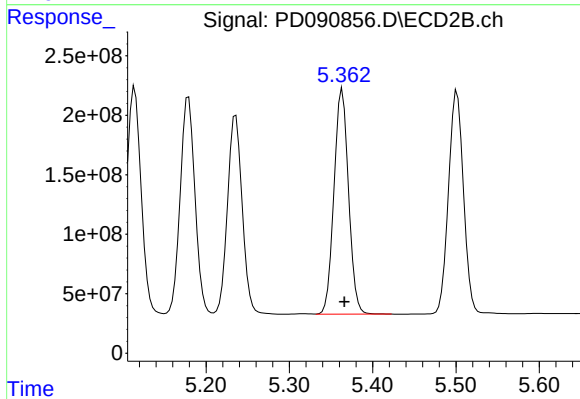
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 2252966964
Conc: 52.23 ng/ml



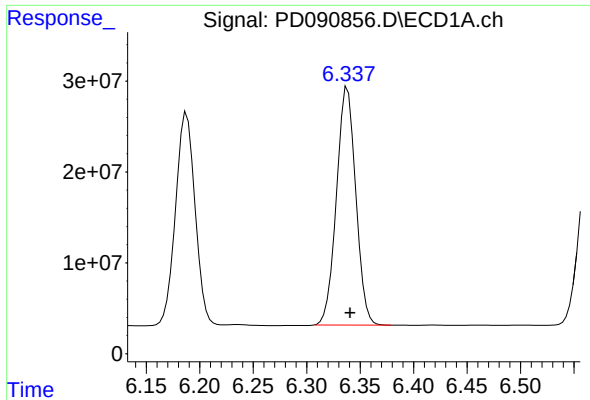
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 296689789
Conc: 55.70 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2298043626
Conc: 52.42 ng/ml



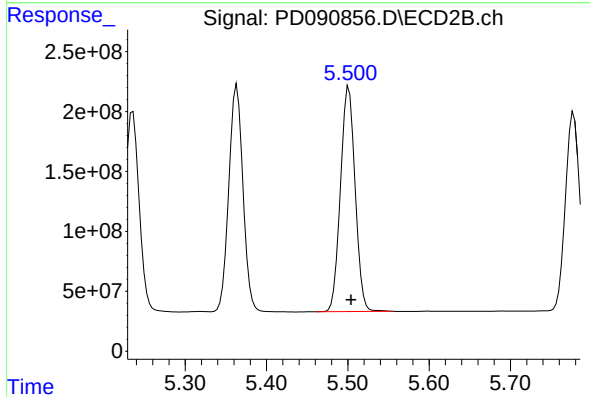
#13 Dieldrin

R.T.: 6.338 min
Delta R.T.: -0.002 min
Response: 329439774
Conc: 56.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

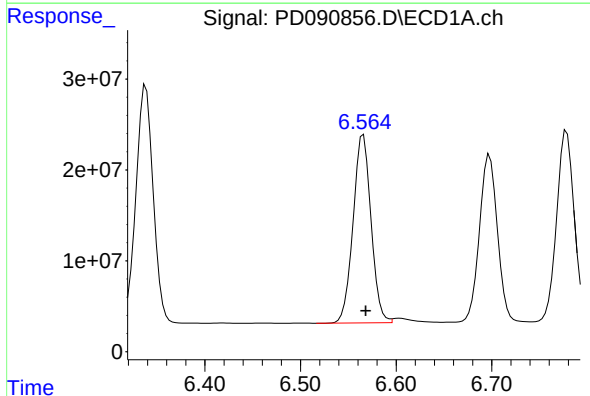
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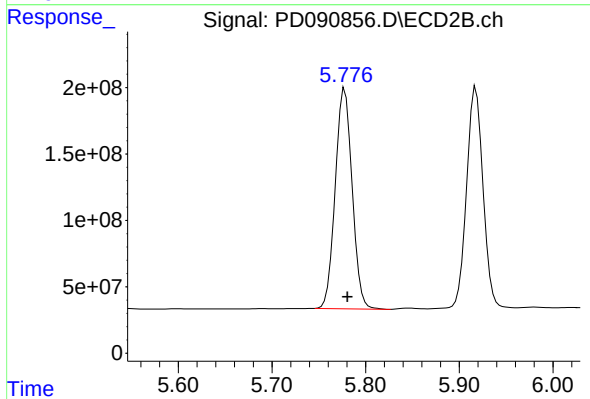
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: -0.003 min
Response: 2347439237
Conc: 53.13 ng/ml



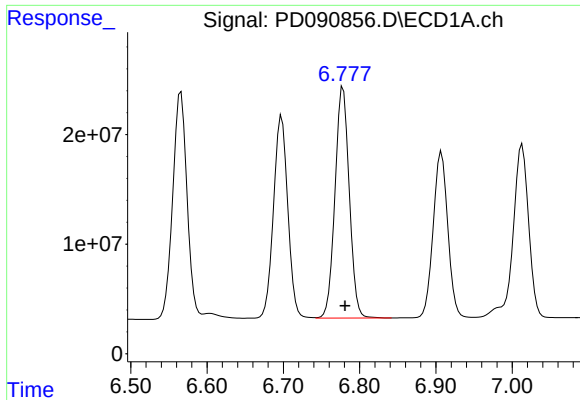
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 269899566
Conc: 54.48 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.003 min
Response: 2083901813
Conc: 51.46 ng/ml



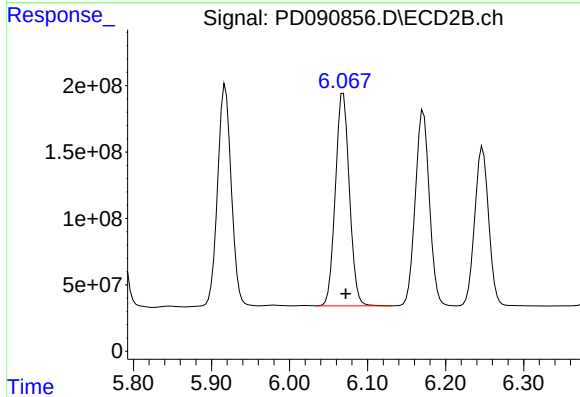
#15 Endosulfan II

R.T.: 6.778 min
Delta R.T.: -0.003 min
Response: 273338330
Conc: 54.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

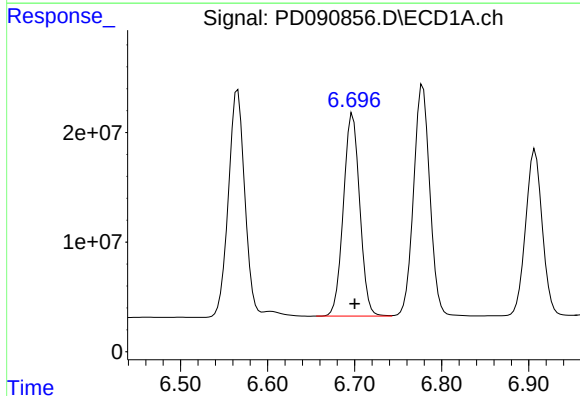
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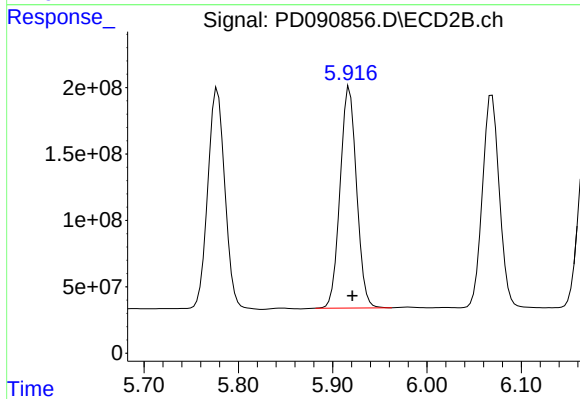
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: -0.003 min
Response: 1997185988
Conc: 53.18 ng/ml



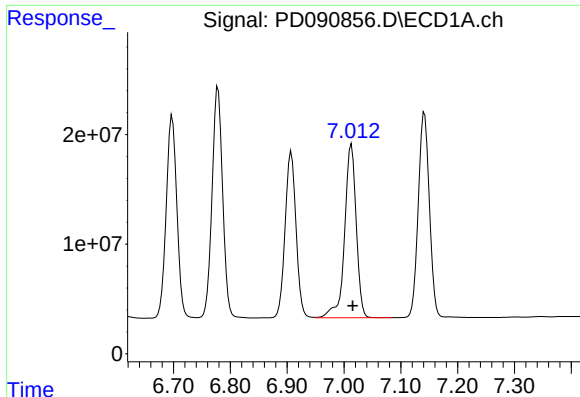
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 241039797
Conc: 59.45 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 2021570369
Conc: 55.48 ng/ml



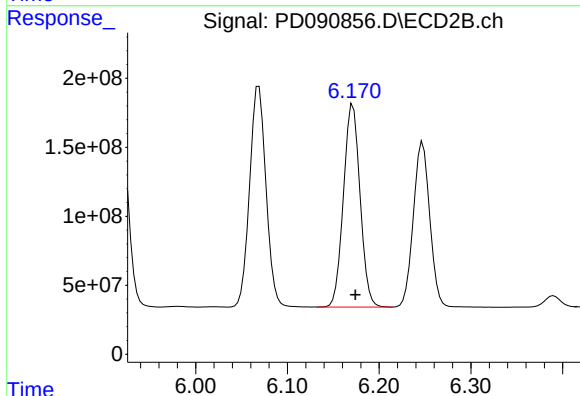
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 225333481
Conc: 54.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

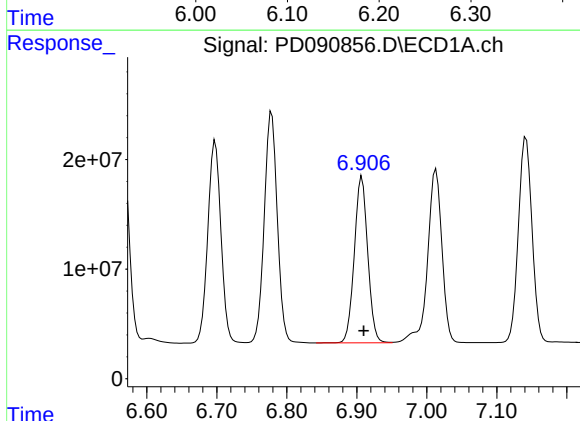
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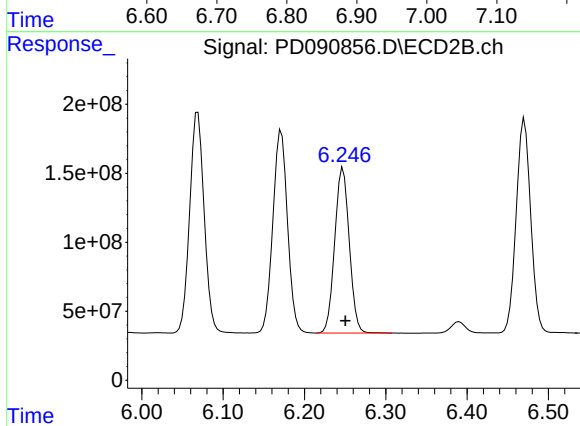
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1848130561
Conc: 52.69 ng/ml



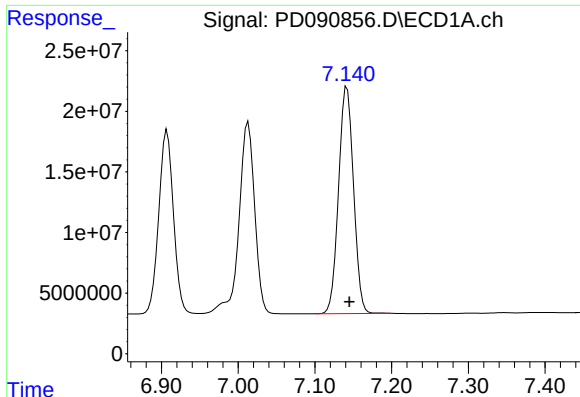
#18 Endrin aldehyde

R.T.: 6.907 min
Delta R.T.: -0.003 min
Response: 202261104
Conc: 55.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.003 min
Response: 1488850615
Conc: 53.76 ng/ml



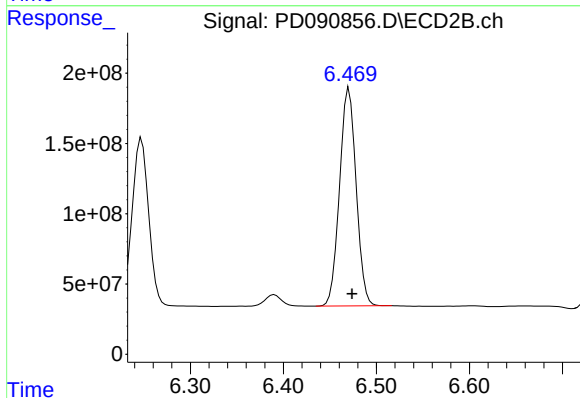
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: -0.003 min
Response: 253863181
Conc: 54.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

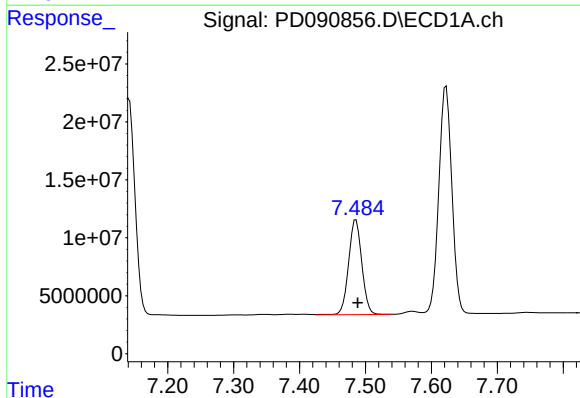
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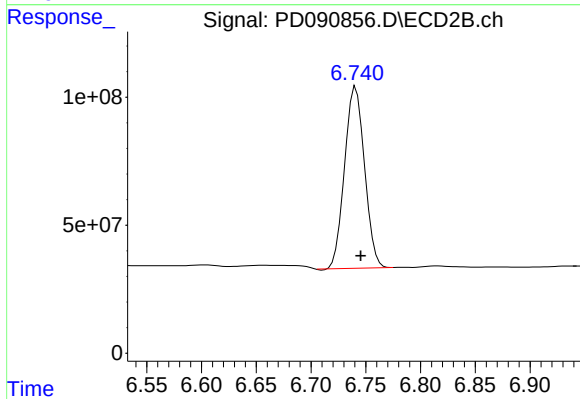
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 1924159884
Conc: 53.68 ng/ml



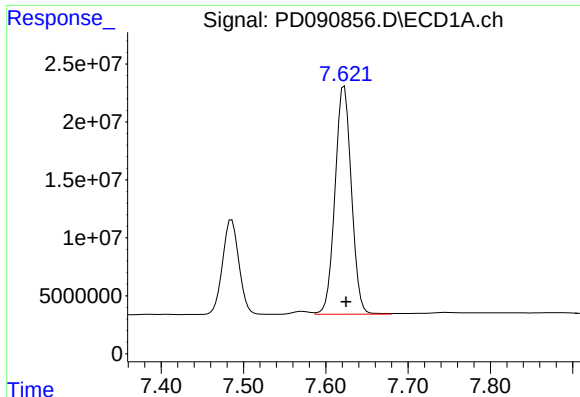
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 114266421
Conc: 53.76 ng/ml



#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: -0.004 min
Response: 899325634
Conc: 51.60 ng/ml



#21 Endrin ketone

R.T.: 7.622 min
Delta R.T.: -0.002 min
Response: 272484020
Conc: 56.08 ng/ml

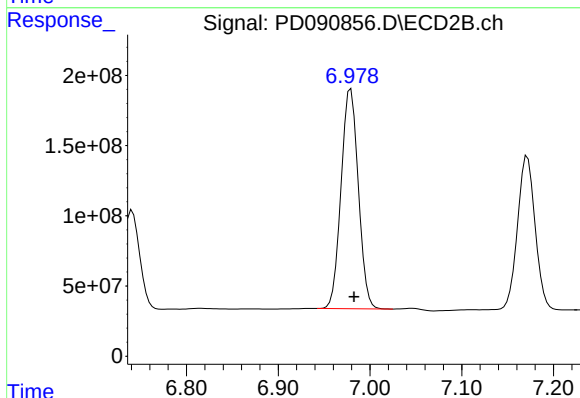
Instrument :

ECD_D

ClientSampleId :
PB170270BS

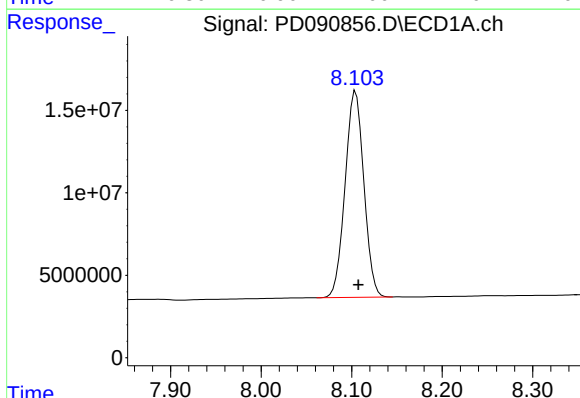
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



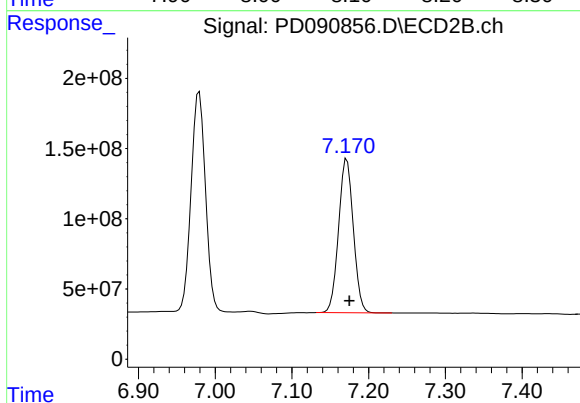
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.003 min
Response: 2041156155
Conc: 54.12 ng/ml



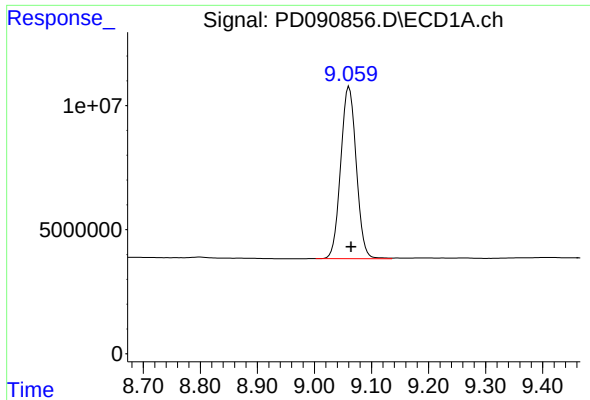
#22 Mirex

R.T.: 8.104 min
Delta R.T.: -0.003 min
Response: 180077095
Conc: 56.26 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: -0.004 min
Response: 1462538827
Conc: 56.93 ng/ml



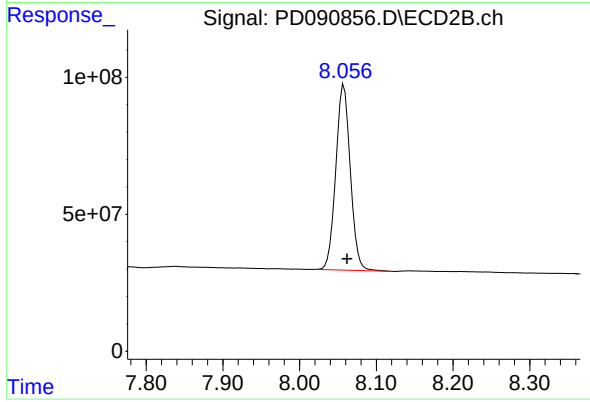
#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.003 min
Response: 131203240
Conc: 28.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170270BS

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.004 min
Response: 889526736
Conc: 29.37 ng/ml