

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
 Data File : PD089434.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jul 2025 14:02
 Operator : AR\AJ
 Sample : PB168784BS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168784BS

Manual Integrations
 APPROVED

Reviewed By :Abdul
 Mirza

07/11/2025
 Supervised By :mohammad
 ahmed

07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 22:58:56 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.554	2.879	42311043	302.9E6	14.830	17.869
28)	SA Decachlor...	9.077	8.071	69145815	377.6E6	17.605	19.098
Target Compounds							
2)	A alpha-BHC	4.003	3.391	270.9E6	1341.9E6	46.469	50.077
3)	MA gamma-BHC...	4.334	3.727	259.1E6	1249.2E6	46.411	50.460m
4)	MA Heptachlor	4.934	4.081	257.1E6	1229.5E6	47.156	49.104
5)	MB Aldrin	5.275	4.367	250.6E6	1223.7E6	47.169	50.531
6)	B beta-BHC	4.520	4.024	99639861	531.9E6	45.144	49.495
7)	B delta-BHC	4.767	4.261	257.3E6	1255.2E6	50.130m	50.463
8)	B Heptachlo...	5.695	4.871	224.4E6	1116.5E6	46.526	50.985
9)	A Endosulfan I	6.078	5.246	213.0E6	1061.1E6	47.254	50.908
10)	B gamma-Chl...	5.950	5.124	227.5E6	1196.5E6	47.524	50.016
11)	B alpha-Chl...	6.031	5.189	227.6E6	1145.6E6	47.029	50.032
12)	B 4,4'-DDE	6.199	5.373	203.9E6	1154.1E6	46.765	50.362
13)	MA Dieldrin	6.351	5.510	228.6E6	1172.6E6	47.658	50.524m
14)	MA Endrin	6.578	5.788	184.2E6	1029.1E6	44.659	47.395
15)	B Endosulfa...	6.790	6.080	193.7E6	1013.3E6	47.979	50.172
16)	A 4,4'-DDD	6.709	5.928	165.7E6	977.6E6	48.285	51.104
17)	MA 4,4'-DDT	7.025	6.182	175.3E6	985.8E6	46.282	48.611
18)	B Endrin al...	6.918	6.258	144.2E6	757.1E6	47.073	49.446
19)	B Endosulfa...	7.153	6.481	181.1E6	983.2E6	47.191	50.111
20)	A Methoxychlor	7.497	6.753	89781894	503.2E6	44.433	46.733
21)	B Endrin ke...	7.634	6.990	196.9E6	1112.4E6	48.351	51.497
22)	Mirex	8.117	7.184	124.4E6	719.8E6	40.927	43.156

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089434.D
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Acq On : 10 Jul 2025 14:02
Operator : AR\AJ
Sample : PB168784BS
Misc :
ALS Vial : 7 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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Manual Integrations
APPROVED

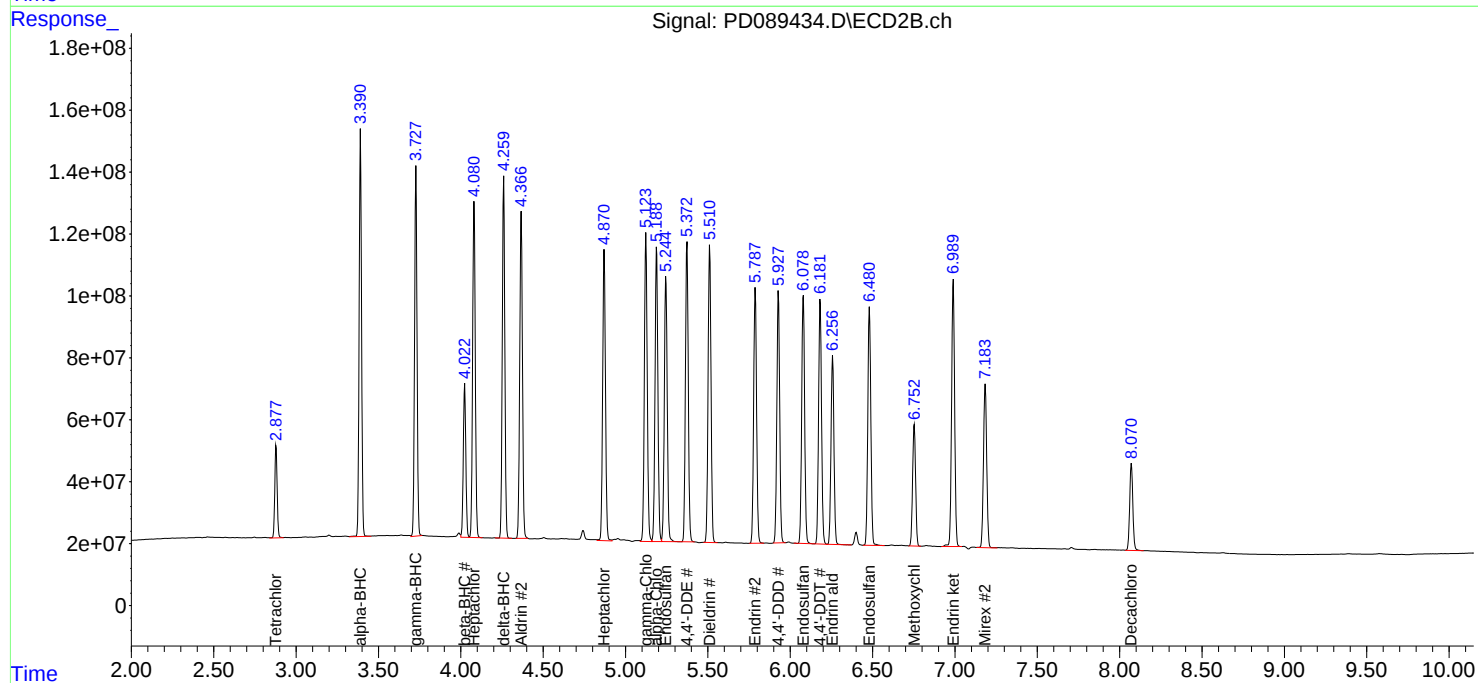
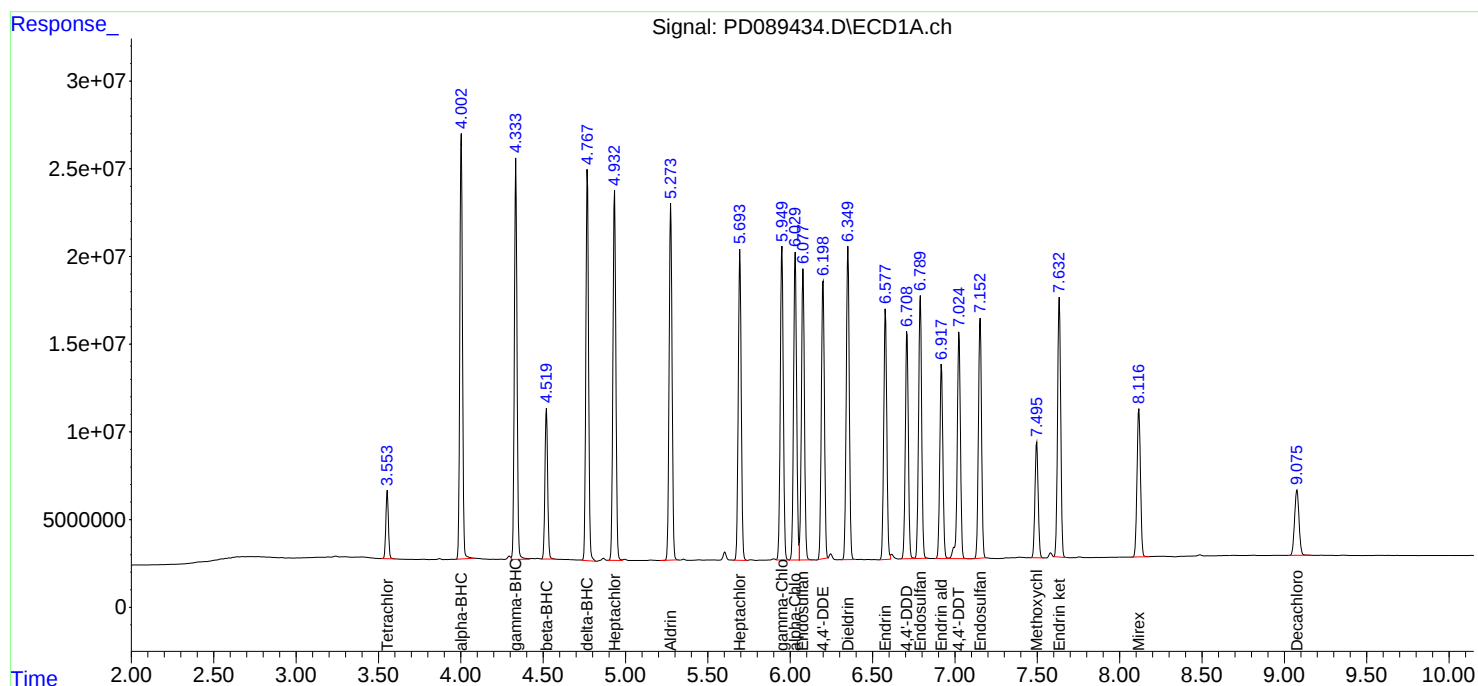
Reviewed By :Abdul
Mirza

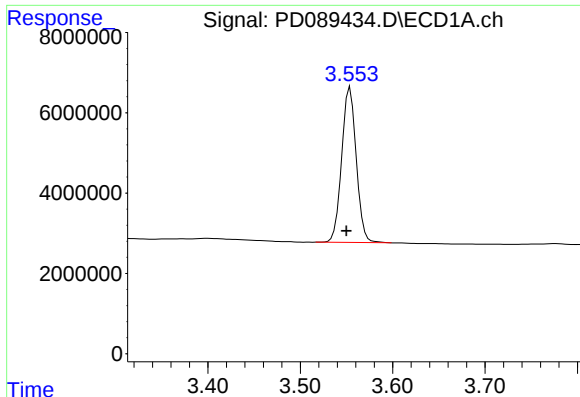
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Supervised By :mohammad
ahmed

07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 22:58:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
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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.: 3.554 min
Delta R.T.: 0.004 min
Response: 42311043
Conc: 14.83 ng/ml

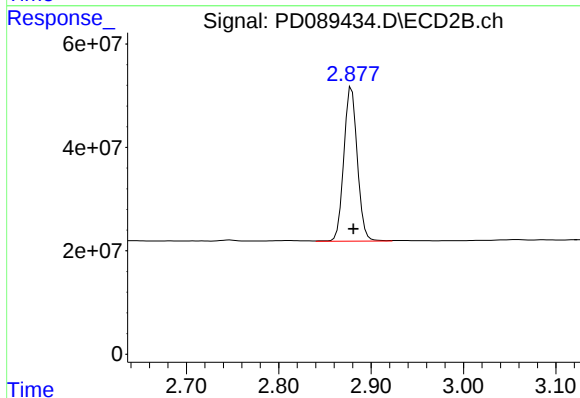
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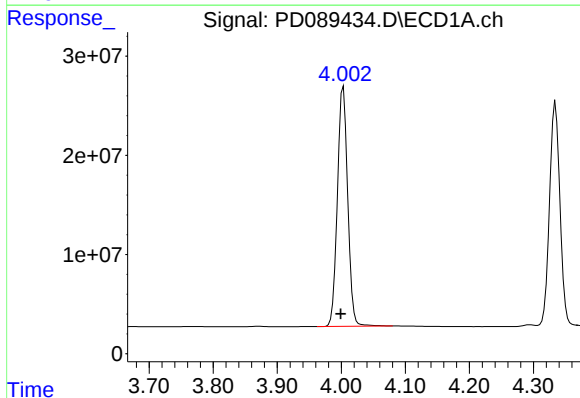
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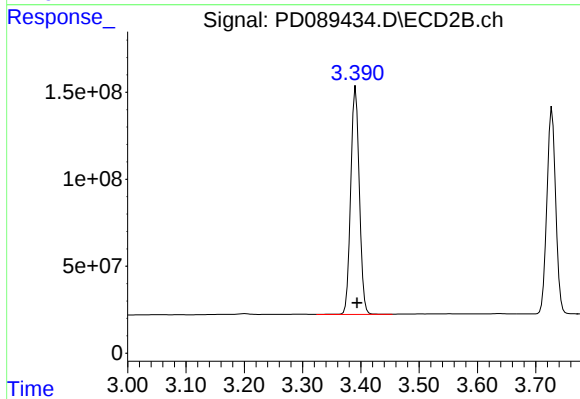
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 302935879
Conc: 17.87 ng/ml



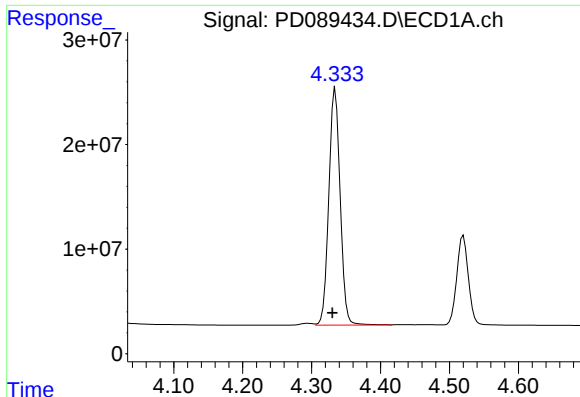
#2 alpha-BHC

R.T.: 4.003 min
Delta R.T.: 0.004 min
Response: 270868431
Conc: 46.47 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1341931556
Conc: 50.08 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.004 min
Response: 259050115
Conc: 46.41 ng/ml

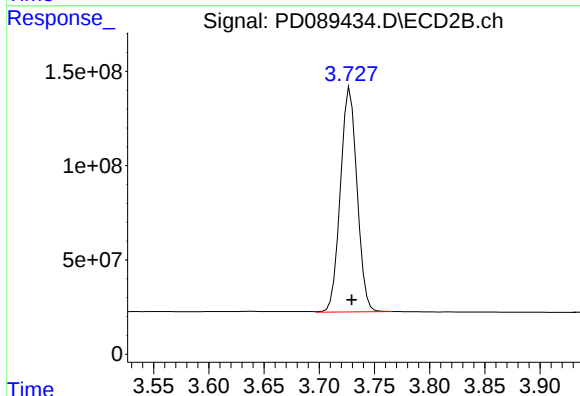
Instrument :
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ClientSampleId :
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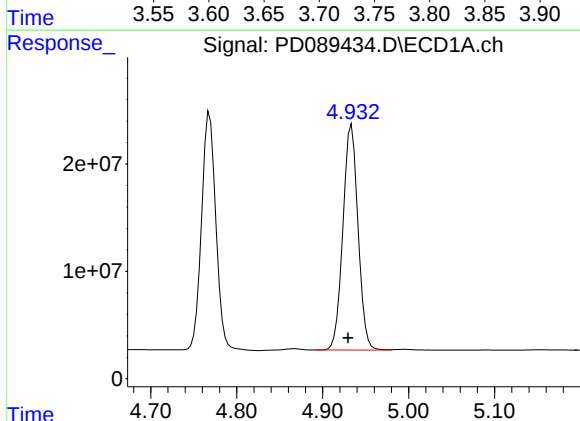
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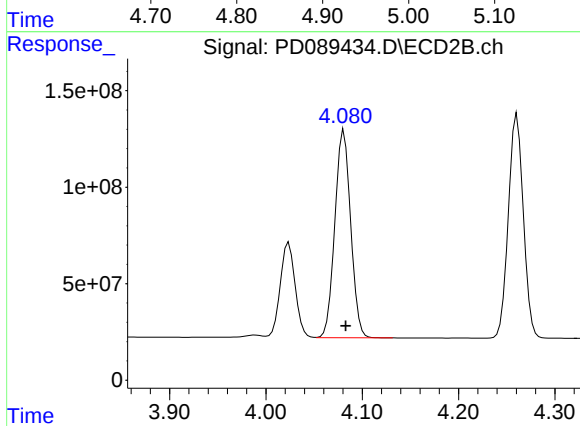
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.003 min
Response: 1249227248
Conc: 50.46 ng/ml m



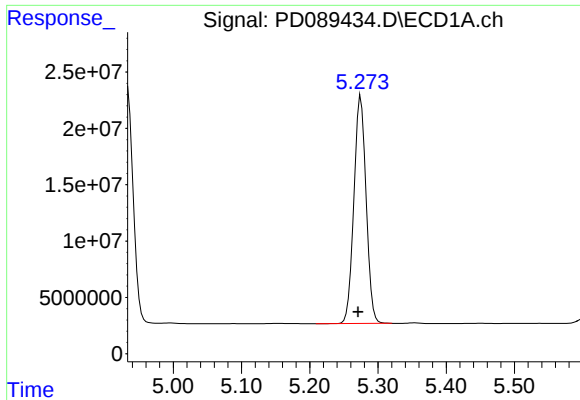
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.004 min
Response: 257090222
Conc: 47.16 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.002 min
Response: 1229477435
Conc: 49.10 ng/ml



#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.004 min
Response: 250609537
Conc: 47.17 ng/ml

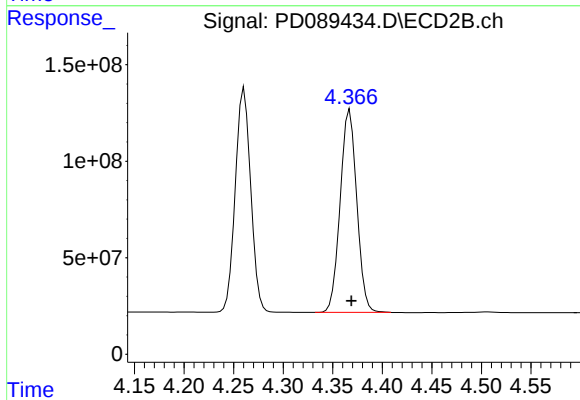
Instrument :
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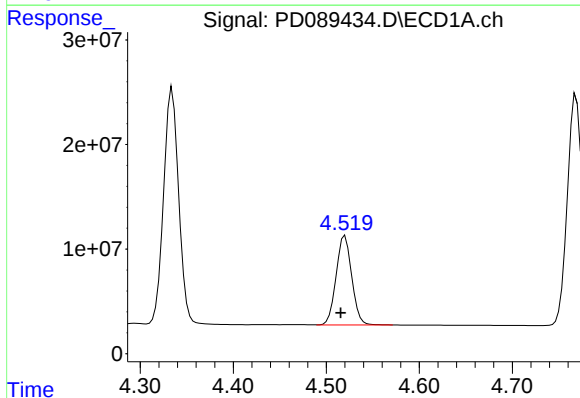
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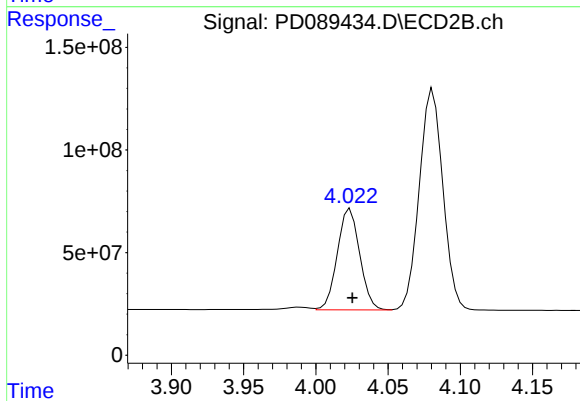
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1223722085
Conc: 50.53 ng/ml



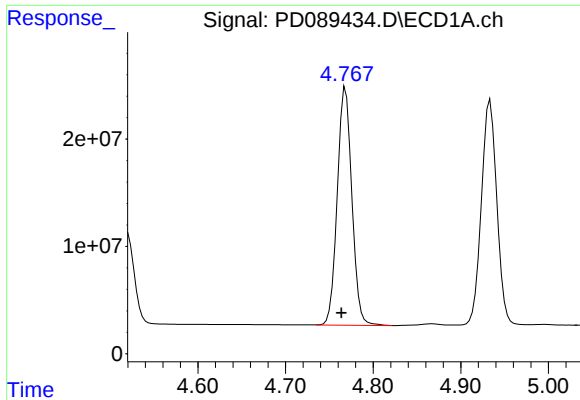
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.005 min
Response: 99639861
Conc: 45.14 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.002 min
Response: 531884724
Conc: 49.49 ng/ml



#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.004 min
Response: 257310668
Conc: 50.13 ng/ml

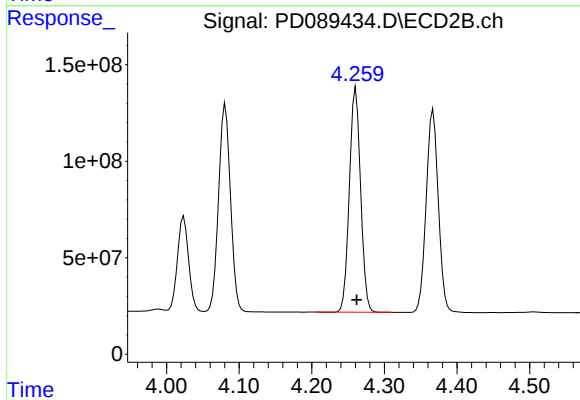
Instrument :
ECD_D
ClientSampleId :
PB168784BS

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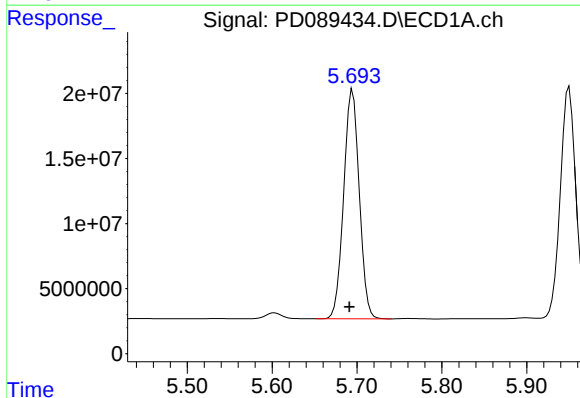
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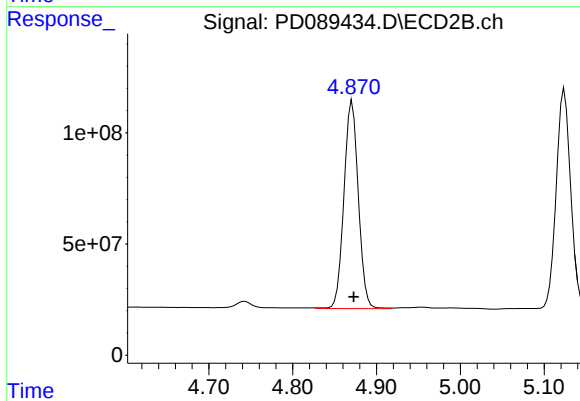
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1255208956
Conc: 50.46 ng/ml



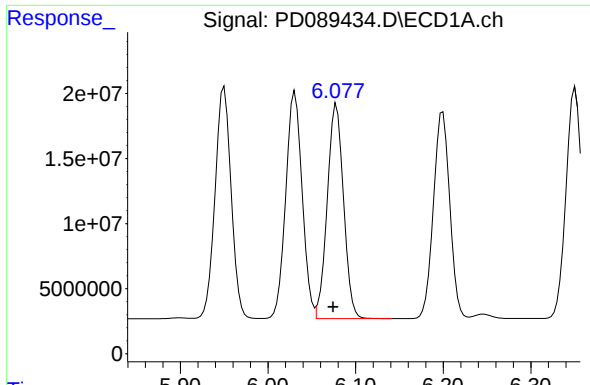
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.004 min
Response: 224439304
Conc: 46.53 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1116470638
Conc: 50.98 ng/ml



#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.004 min
Response: 212996939
Conc: 47.25 ng/ml

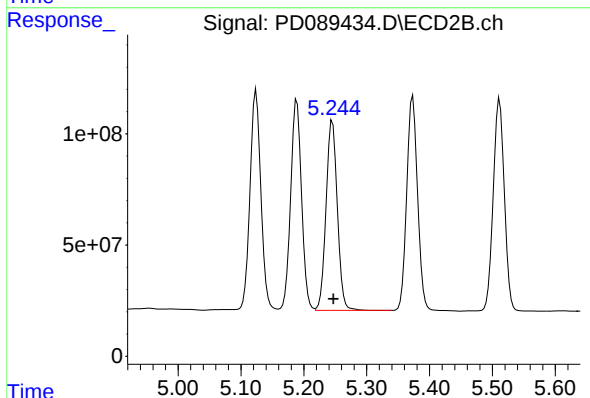
Instrument :
ECD_D
ClientSampleId :
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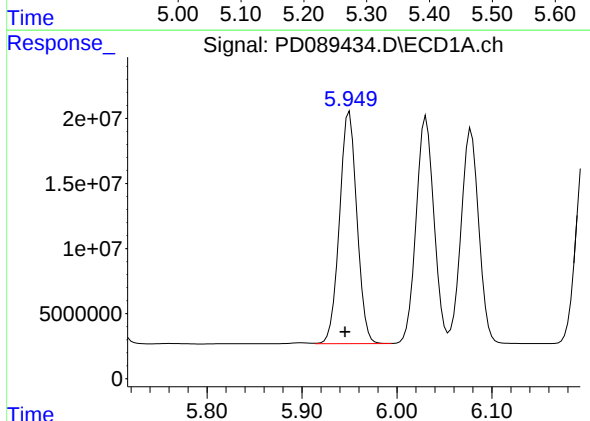
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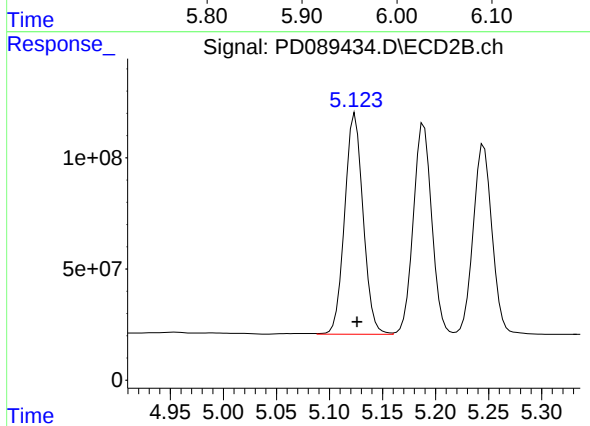
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: -0.002 min
Response: 1061057090
Conc: 50.91 ng/ml



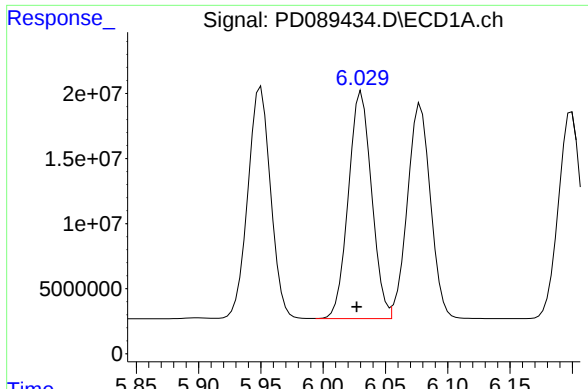
#10 gamma-Chlordane

R.T.: 5.950 min
Delta R.T.: 0.005 min
Response: 227549908
Conc: 47.52 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1196514121
Conc: 50.02 ng/ml



#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.004 min
Response: 227552592
Conc: 47.03 ng/ml

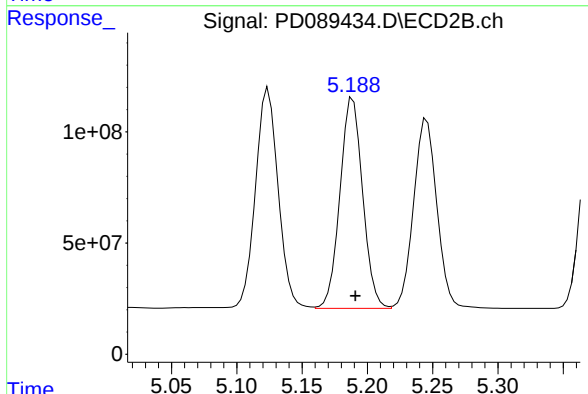
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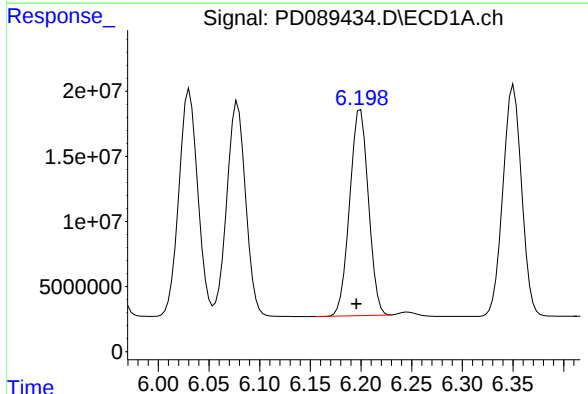
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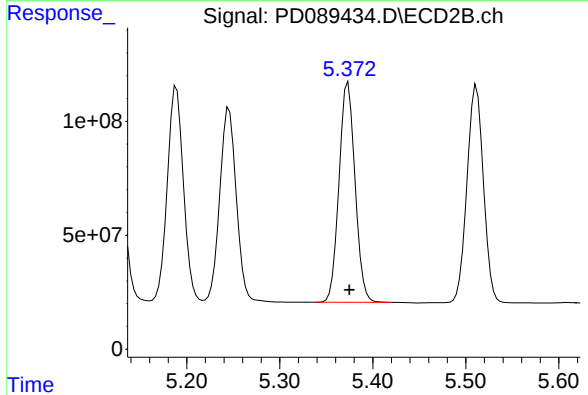
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1145570408
Conc: 50.03 ng/ml



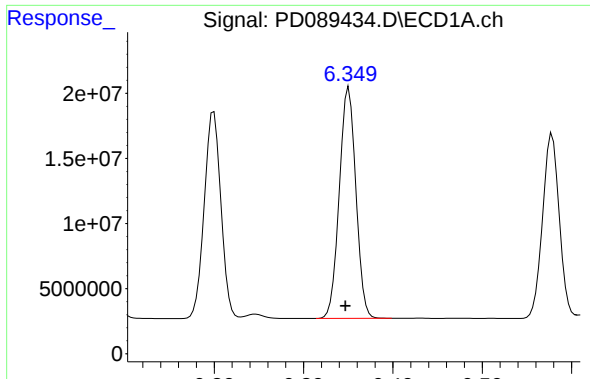
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.004 min
Response: 203944146
Conc: 46.77 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1154103517
Conc: 50.36 ng/ml



#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.004 min
Response: 228636953
Conc: 47.66 ng/ml

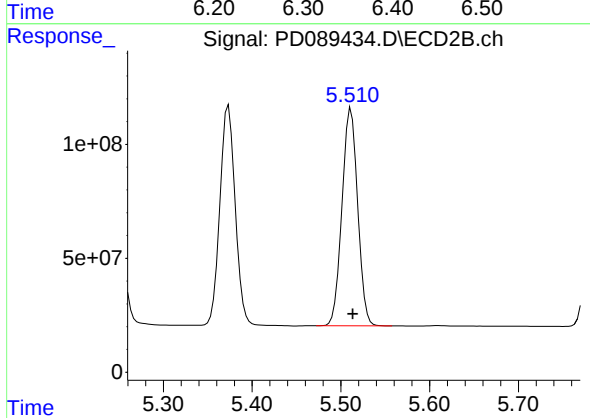
Instrument :
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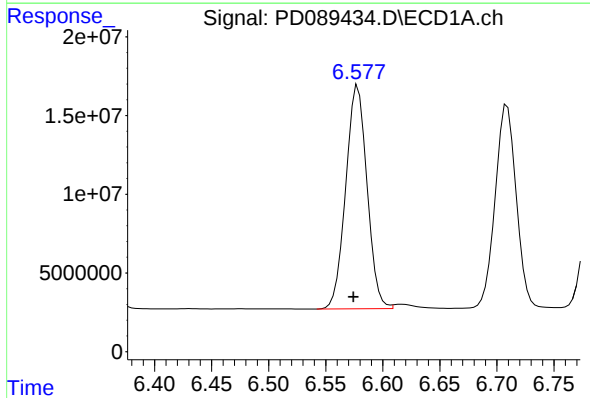
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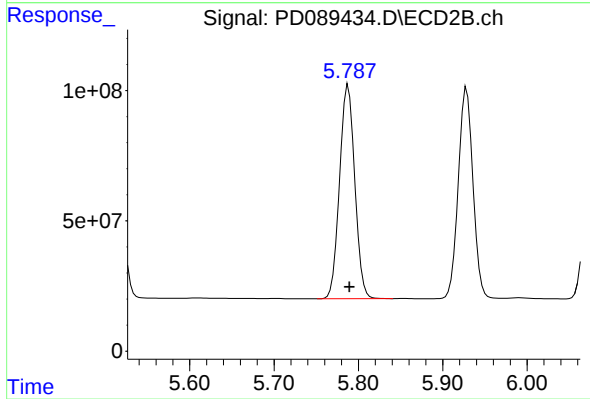
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: -0.003 min
Response: 1172577974
Conc: 50.52 ng/ml m



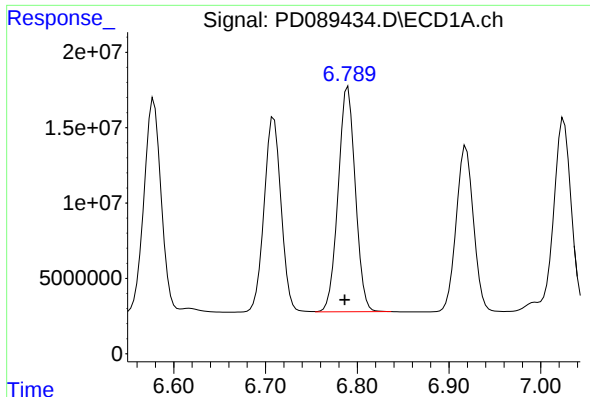
#14 Endrin

R.T.: 6.578 min
Delta R.T.: 0.004 min
Response: 184243158
Conc: 44.66 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: -0.001 min
Response: 1029126816
Conc: 47.39 ng/ml



#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.004 min
Response: 193674129
Conc: 47.98 ng/ml

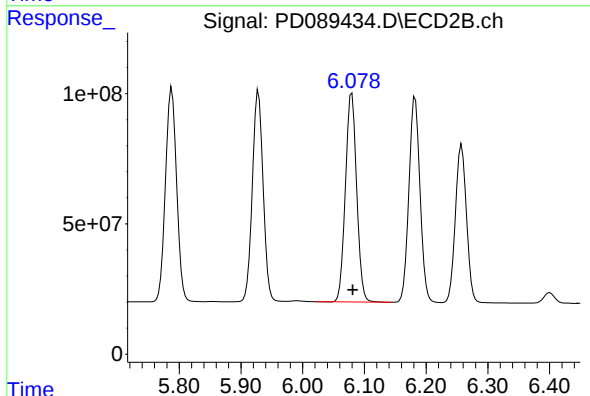
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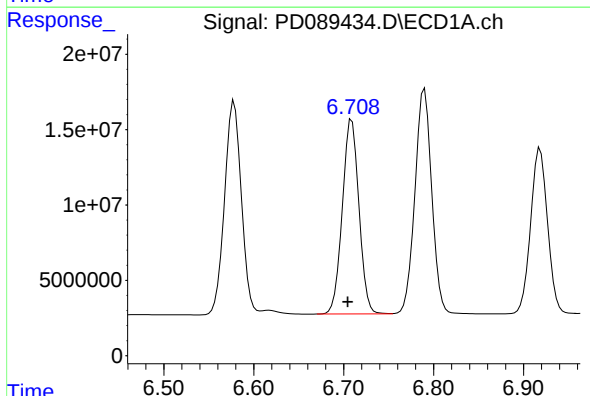
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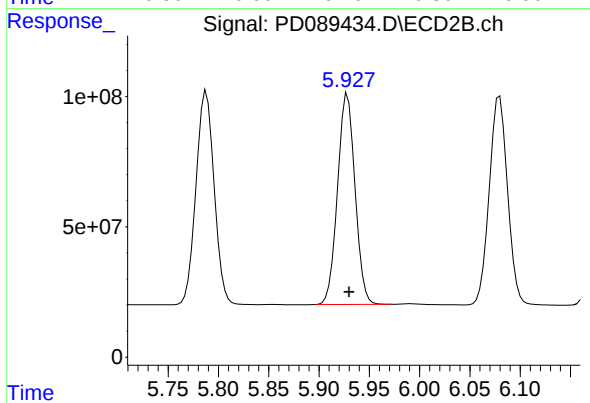
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: -0.001 min
Response: 1013305490
Conc: 50.17 ng/ml



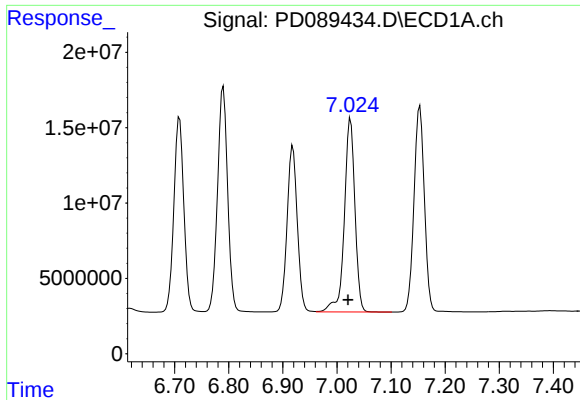
#16 4,4'-DDD

R.T.: 6.709 min
Delta R.T.: 0.004 min
Response: 165716577
Conc: 48.28 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.001 min
Response: 977585779
Conc: 51.10 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.005 min
Response: 175326255
Conc: 46.28 ng/ml

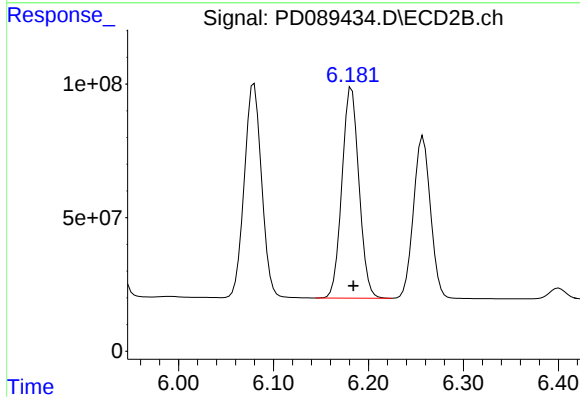
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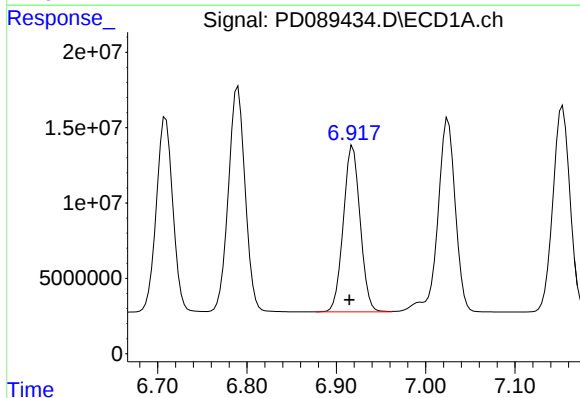
07/11/2025
Supervised By :mohammad
ahmed

07/15/2025



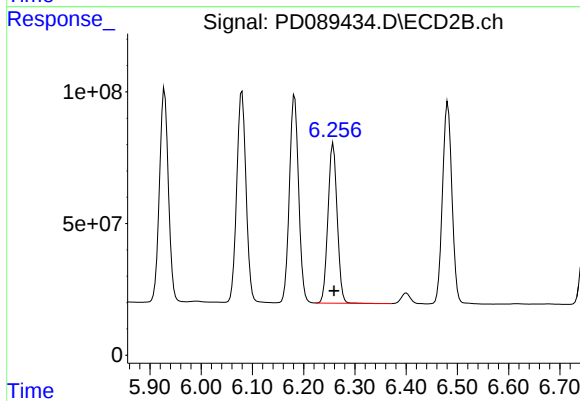
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.002 min
Response: 985791239
Conc: 48.61 ng/ml



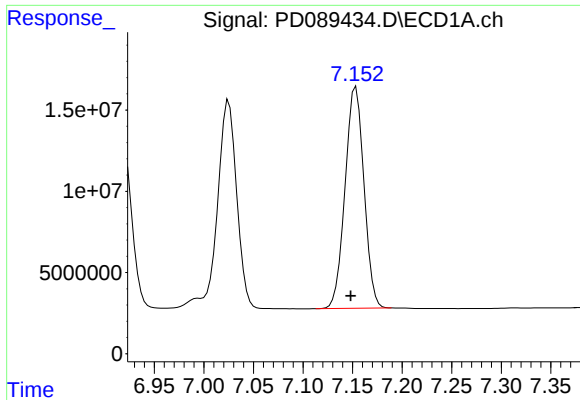
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.004 min
Response: 144230122
Conc: 47.07 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.002 min
Response: 757084608
Conc: 49.45 ng/ml



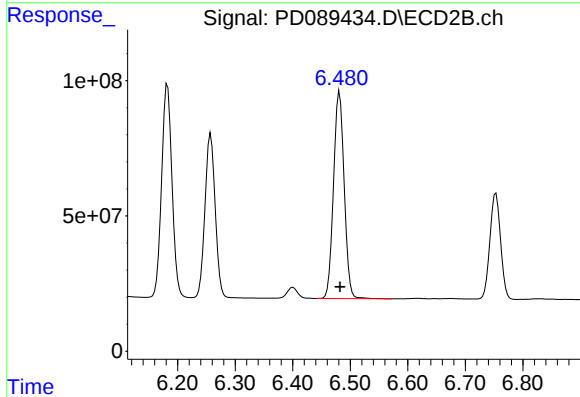
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.005 min
Response: 181083795
Conc: 47.19 ng/ml

Instrument :
ECD_D
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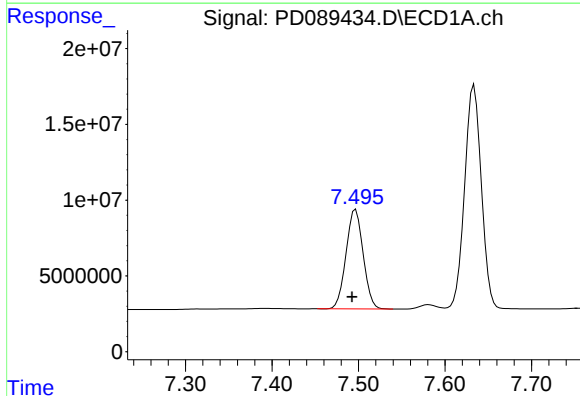
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Supervised By :mohammad ahmed 07/15/2025



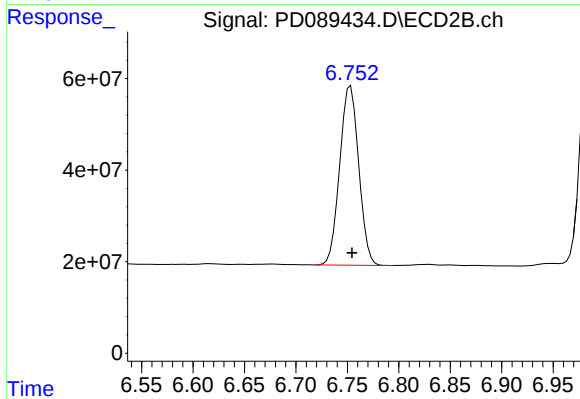
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 983223300
Conc: 50.11 ng/ml



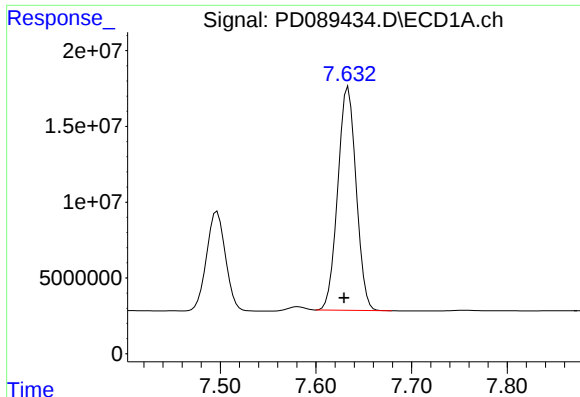
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.004 min
Response: 89781894
Conc: 44.43 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 503221704
Conc: 46.73 ng/ml



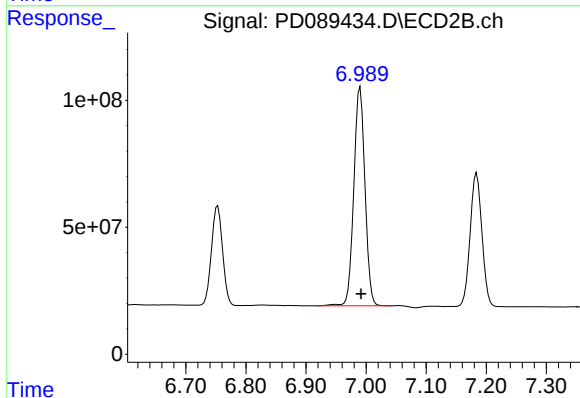
#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.004 min
Response: 196938902
Conc: 48.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168784BS

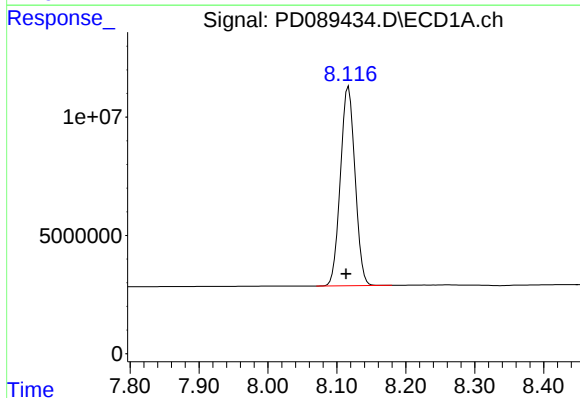
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



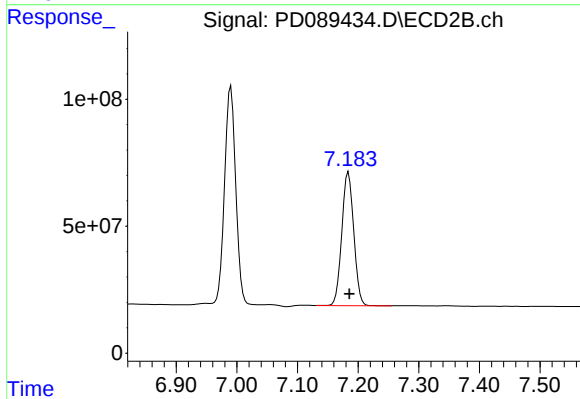
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 1112424832
Conc: 51.50 ng/ml



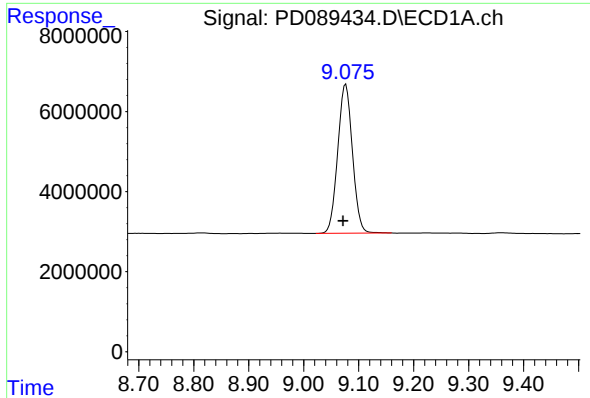
#22 Mirex

R.T.: 8.117 min
Delta R.T.: 0.004 min
Response: 124425018
Conc: 40.93 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.002 min
Response: 719762659
Conc: 43.16 ng/ml



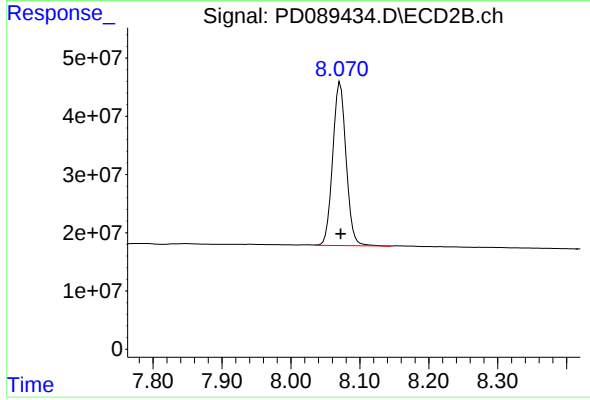
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.005 min
Response: 69145815
Conc: 17.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168784BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



#28 Decachlorobiphenyl

R.T.: 8.071 min
Delta R.T.: 0.000 min
Response: 377561945
Conc: 19.10 ng/ml