

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052225\
 Data File : PD088691.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 May 2025 14:18
 Operator : AR\AJ
 Sample : PB168101BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168101BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/22/2025
 Supervised By : mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 03:42:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 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...	3.558	2.881	54041950	394.8E6	24.976	26.097
28) SA Decachlor...	9.085	8.077	84348608	414.8E6	24.647	22.720
Target Compounds						
2) A alpha-BHC	4.008	3.394	283.7E6	1377.8E6	59.400	57.639
3) MA gamma-BHC...	4.339	3.731	267.9E6	1277.0E6	58.207	57.614
4) MA Heptachlor	4.939	4.084	261.0E6	1241.7E6	58.384	55.299
5) MB Aldrin	5.281	4.371	261.5E6	1266.9E6	59.496	57.773
6) B beta-BHC	4.525	4.027	100.5E6	553.9E6	55.734	56.861
7) B delta-BHC	4.772	4.264	257.7E6	1211.5E6	60.988m	54.343
8) B Heptachlo...	5.701	4.875	230.5E6	1111.7E6	58.083	55.945
9) A Endosulfan I	6.084	5.249	220.0E6	999.3E6	58.471	52.653
10) B gamma-Chl...	5.956	5.128	235.2E6	1195.4E6	58.961	56.039
11) B alpha-Chl...	6.037	5.193	233.9E6	1143.2E6	58.386	55.427
12) B 4,4'-DDE	6.206	5.378	210.2E6	1177.6E6	58.549	56.335
13) MA Dieldrin	6.357	5.516	235.6E6	1163.7E6	58.720	55.300
14) MA Endrin	6.584	5.792	197.5E6	1041.0E6	57.843	53.984
15) B Endosulfa...	6.796	6.084	197.2E6	984.0E6	57.262	53.707
16) A 4,4'-DDD	6.715	5.933	181.7E6	1004.8E6	65.225	57.772
17) MA 4,4'-DDT	7.031	6.187	153.9E6	848.2E6	49.307	46.763
18) B Endrin al...	6.924	6.262	139.3E6	716.0E6	54.095	51.408
19) B Endosulfa...	7.159	6.486	178.8E6	918.6E6	55.830	51.734
20) A Methoxychlor	7.503	6.758	80985098	438.6E6	48.478	45.813
21) B Endrin ke...	7.640	6.995	199.2E6	1016.5E6	58.179	52.538
22) Mirex	8.124	7.189	142.2E6	752.6E6	54.737	49.507

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052225\
Data File : PD088691.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 May 2025 14:18
Operator : AR\AJ
Sample : PB168101BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

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ClientSampleId :

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Manual Integrations

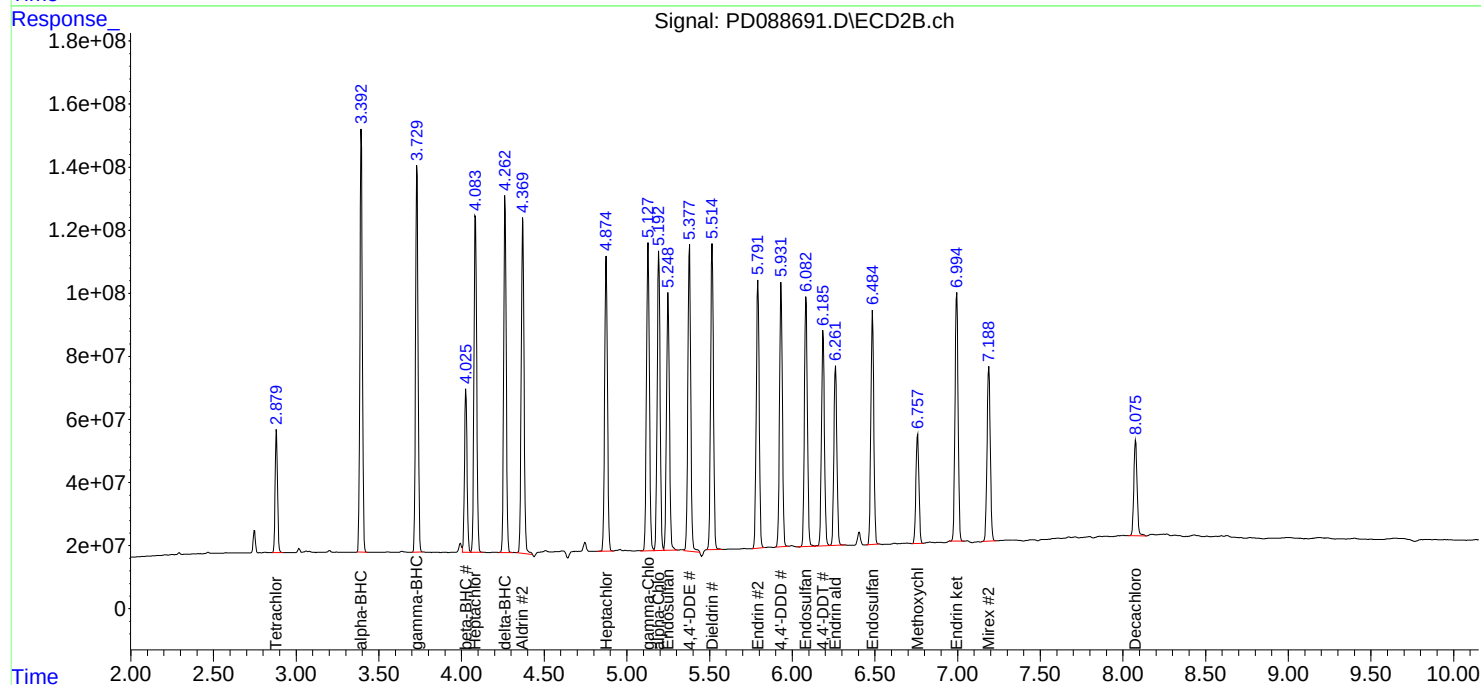
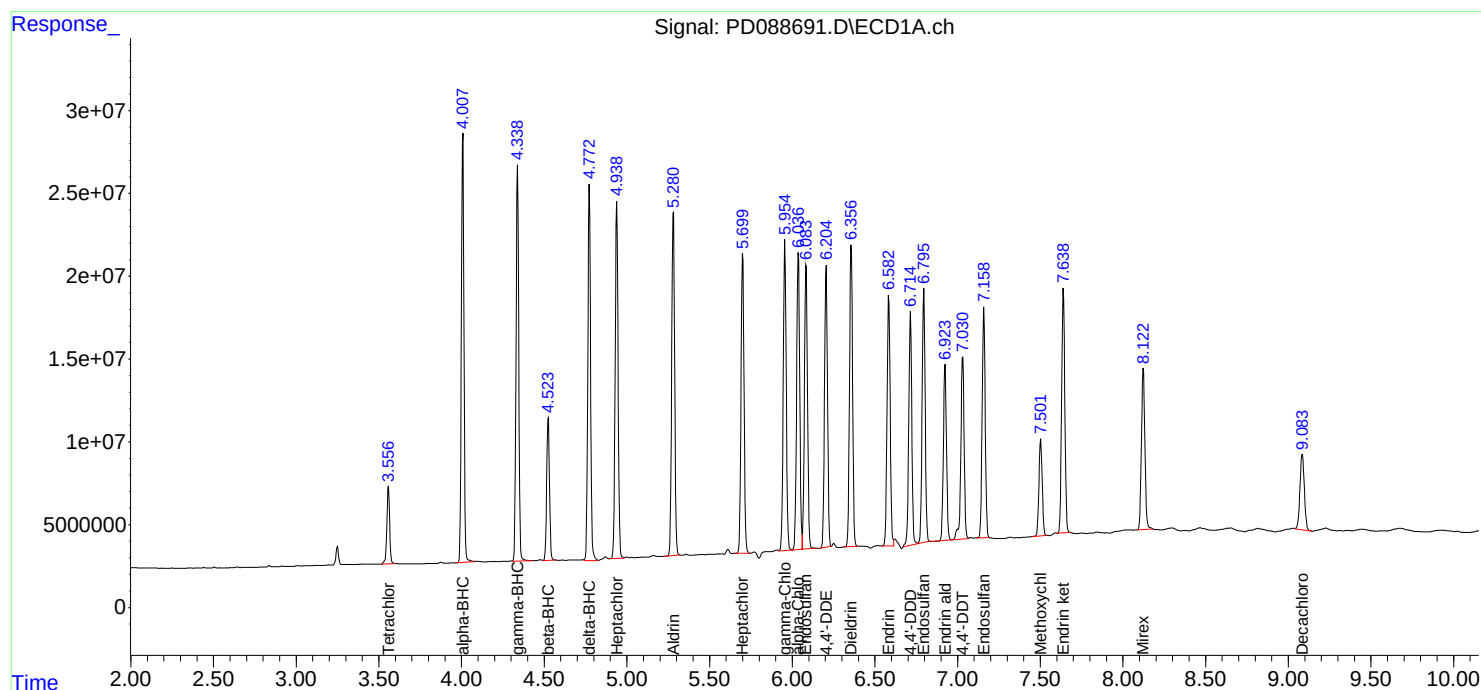
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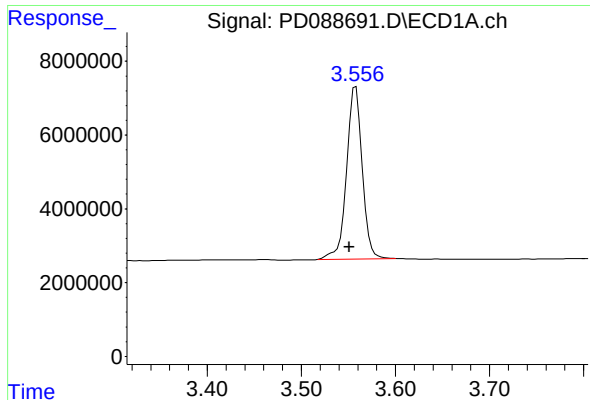
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 22 03:42:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
Quant Title : GC Extractables
QLast Update : Mon May 19 15:27:28 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 x 0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





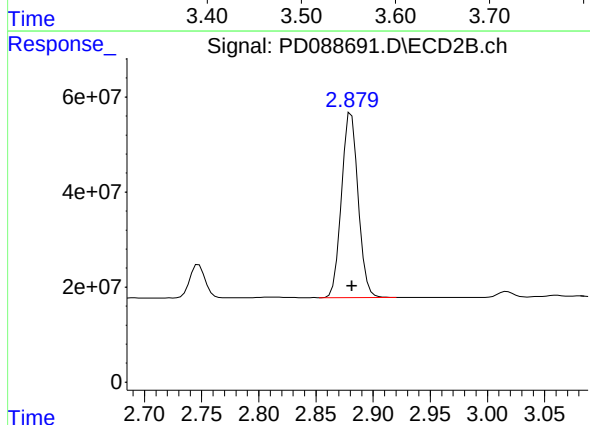
#1 Tetrachloro-m-xylene

R.T.: 3.558 min
Delta R.T.: 0.007 min
Response: 54041950
Conc: 24.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

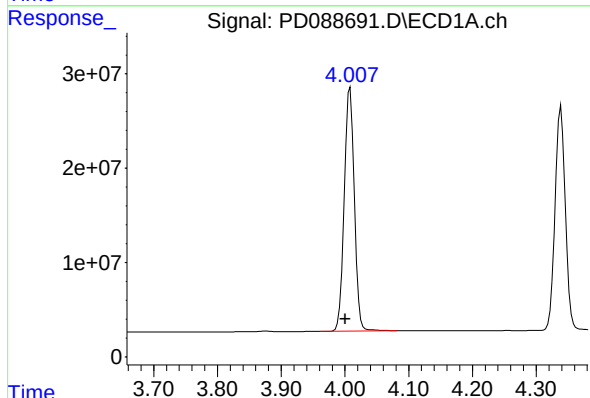
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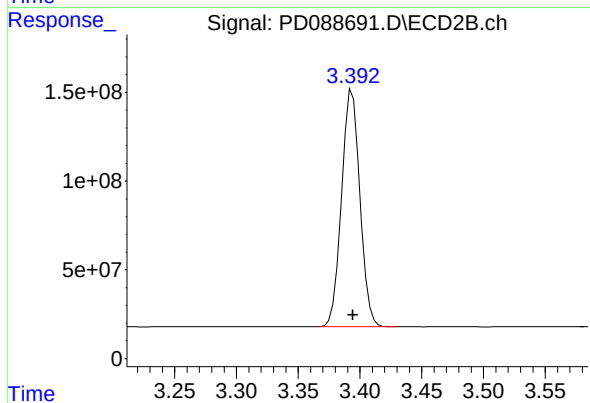
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 394769511
Conc: 26.10 ng/ml



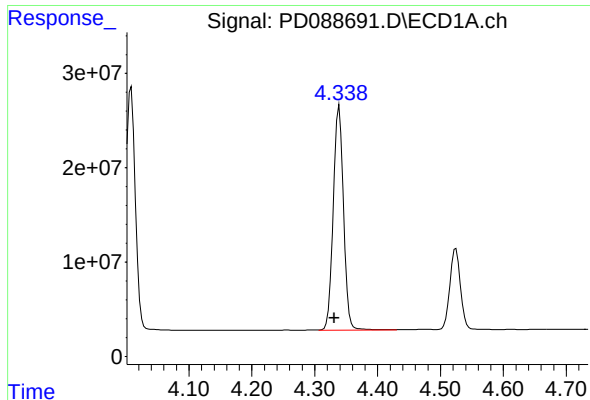
#2 alpha-BHC

R.T.: 4.008 min
Delta R.T.: 0.008 min
Response: 283729119
Conc: 59.40 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1377790703
Conc: 57.64 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.339 min
Delta R.T.: 0.007 min
Response: 267910224
Conc: 58.21 ng/ml

Instrument :

ECD_D

ClientSampleId :

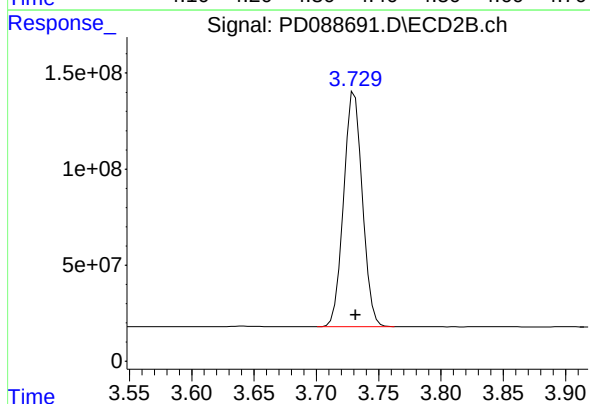
PB168101BS

Manual Integrations

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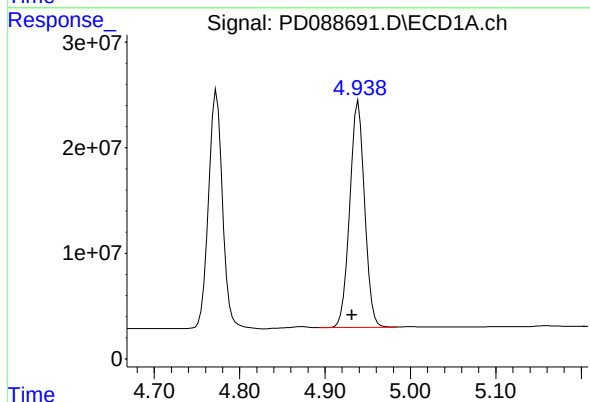
Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025



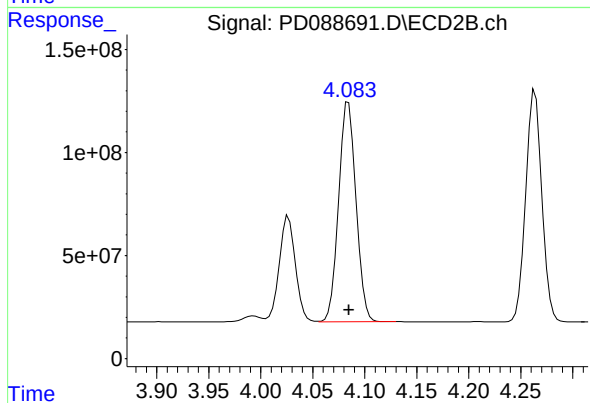
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1277048071
Conc: 57.61 ng/ml



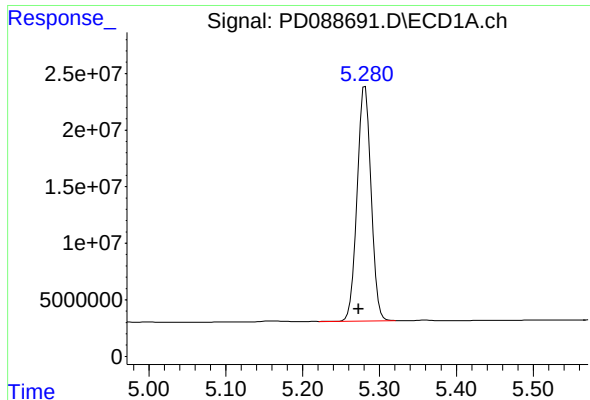
#4 Heptachlor

R.T.: 4.939 min
Delta R.T.: 0.007 min
Response: 261049923
Conc: 58.38 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 1241728687
Conc: 55.30 ng/ml



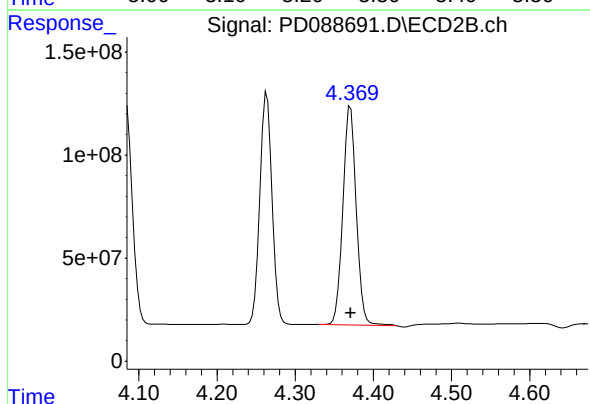
#5 Aldrin

R.T.: 5.281 min
Delta R.T.: 0.008 min
Response: 261455495
Conc: 59.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

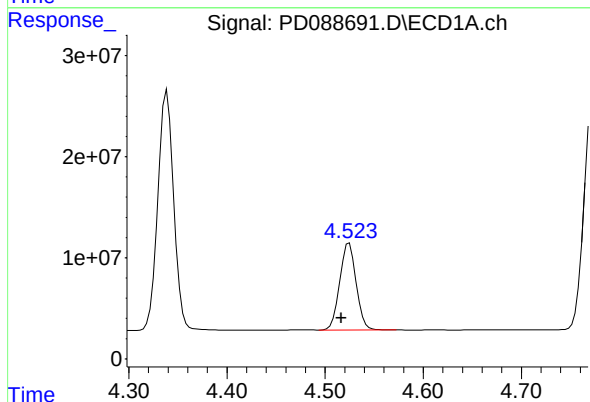
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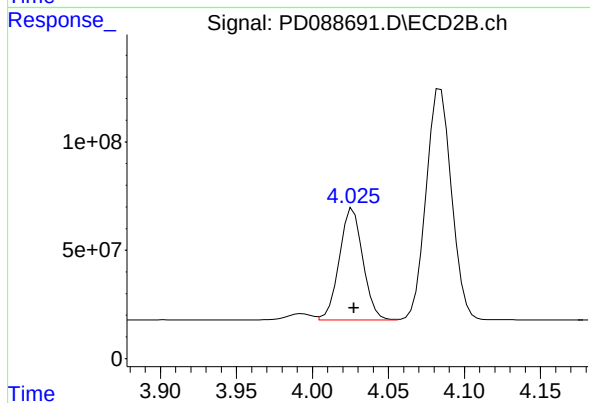
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: 0.000 min
Response: 1266947988
Conc: 57.77 ng/ml



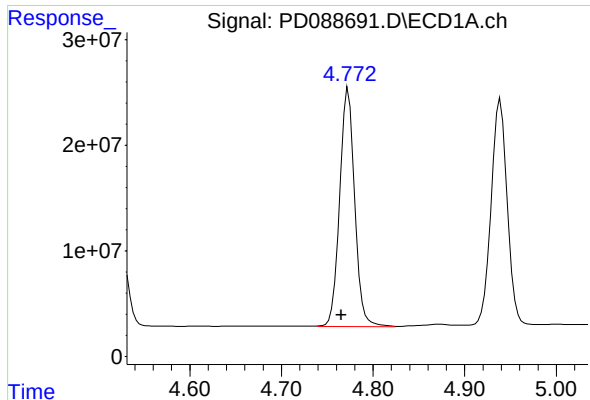
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.008 min
Response: 100497275
Conc: 55.73 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: 0.000 min
Response: 553935893
Conc: 56.86 ng/ml



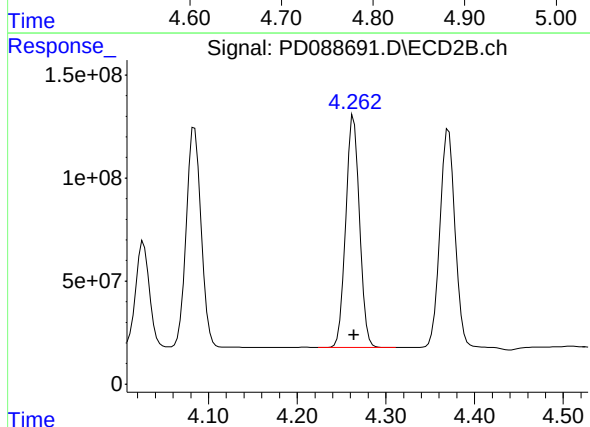
#7 delta-BHC

R.T.: 4.772 min
Delta R.T.: 0.006 min
Response: 257744991
Conc: 60.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

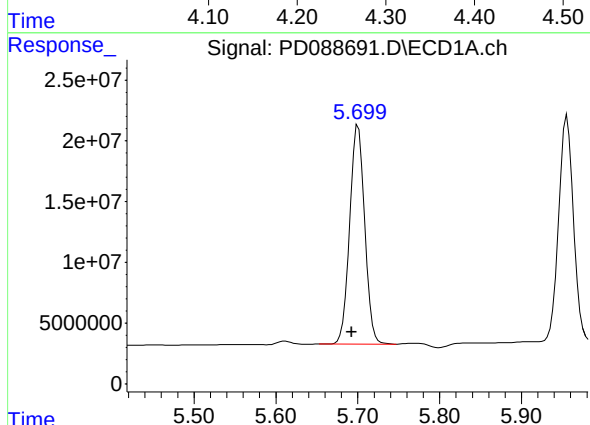
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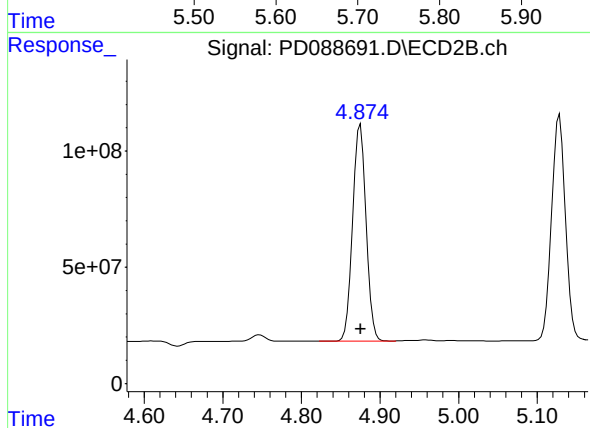
#7 delta-BHC

R.T.: 4.264 min
Delta R.T.: 0.000 min
Response: 1211521930
Conc: 54.34 ng/ml



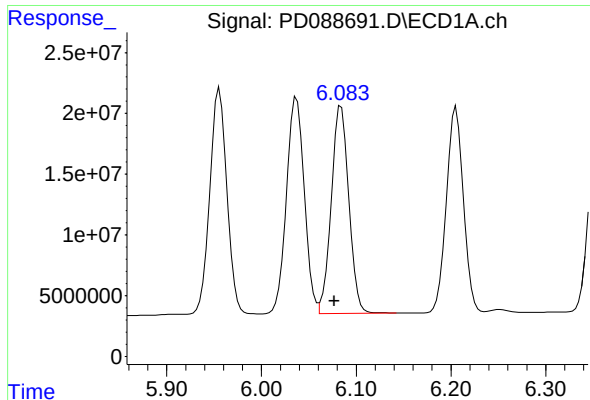
#8 Heptachlor epoxide

R.T.: 5.701 min
Delta R.T.: 0.008 min
Response: 230549459
Conc: 58.08 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: 0.000 min
Response: 1111699770
Conc: 55.95 ng/ml



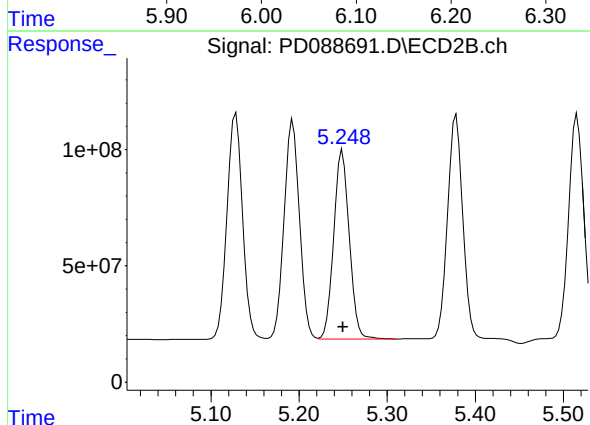
#9 Endosulfan I

R.T.: 6.084 min
Delta R.T.: 0.007 min
Response: 220020489
Conc: 58.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

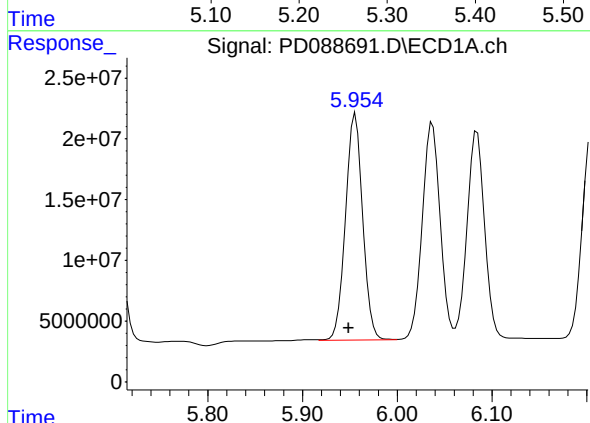
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Supervised By :mohammad ahmed 05/23/2025



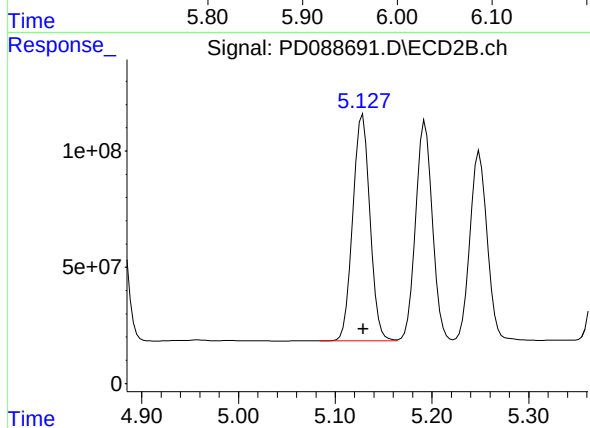
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: 0.000 min
Response: 999263874
Conc: 52.65 ng/ml



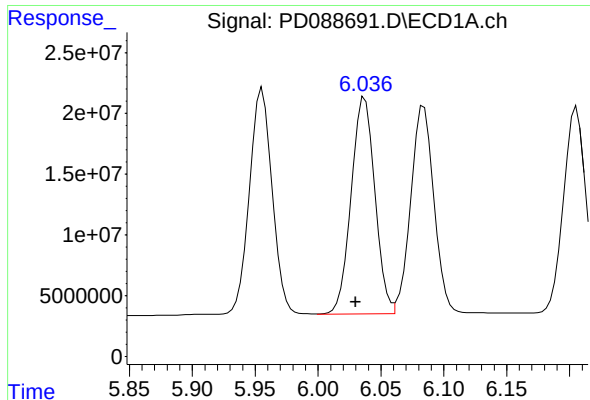
#10 gamma-Chlordane

R.T.: 5.956 min
Delta R.T.: 0.007 min
Response: 235194381
Conc: 58.96 ng/ml



#10 gamma-Chlordane

R.T.: 5.128 min
Delta R.T.: 0.000 min
Response: 1195414345
Conc: 56.04 ng/ml



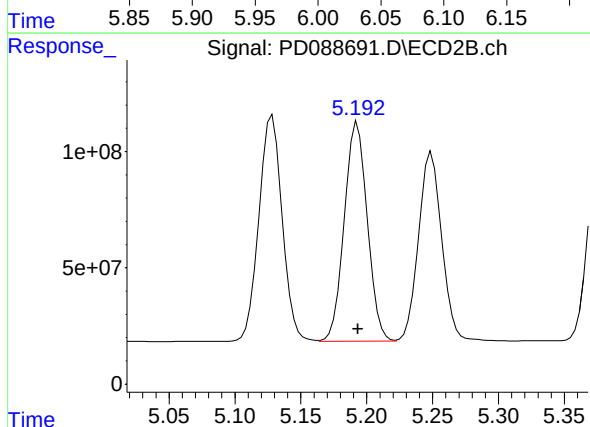
#11 alpha-Chlordane

R.T.: 6.037 min
Delta R.T.: 0.007 min
Response: 233909978
Conc: 58.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

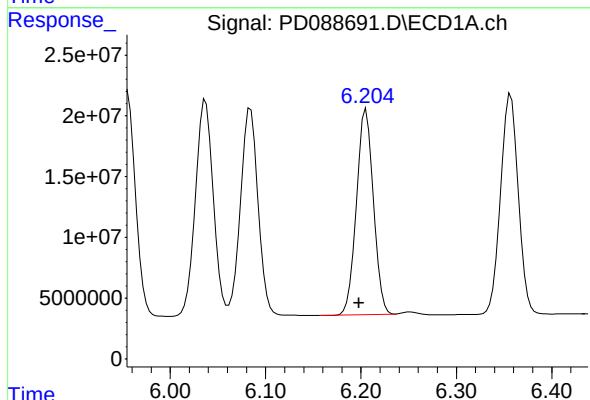
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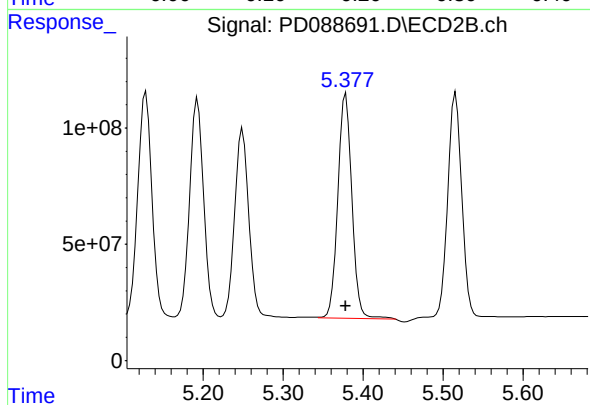
#11 alpha-Chlordane

R.T.: 5.193 min
Delta R.T.: 0.000 min
Response: 1143173920
Conc: 55.43 ng/ml



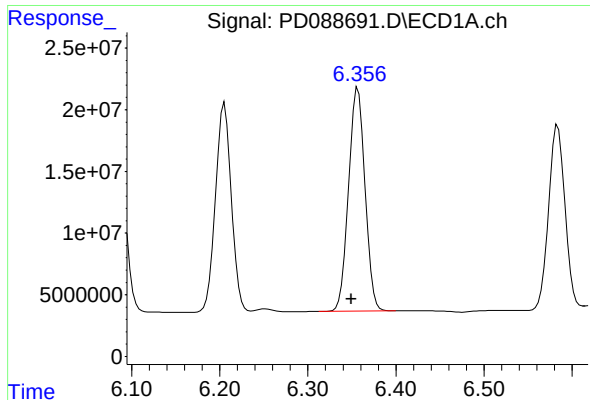
#12 4,4'-DDE

R.T.: 6.206 min
Delta R.T.: 0.007 min
Response: 210153016
Conc: 58.55 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: 0.000 min
Response: 1177559382
Conc: 56.34 ng/ml



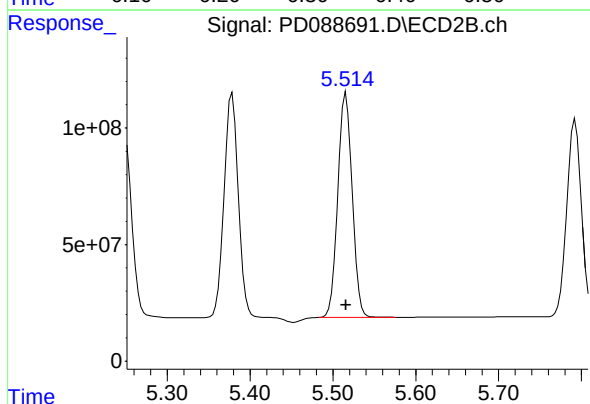
#13 Dieldrin

R.T.: 6.357 min
Delta R.T.: 0.007 min
Response: 235567799
Conc: 58.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

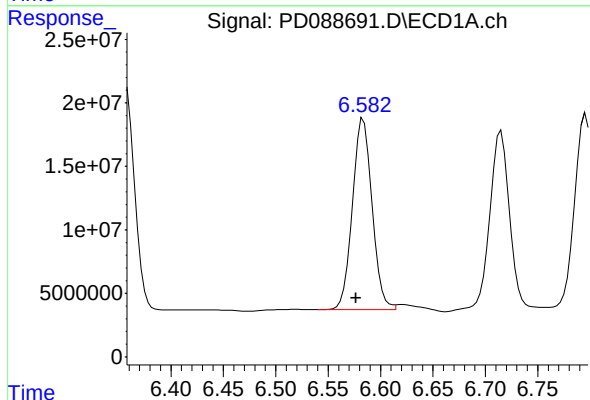
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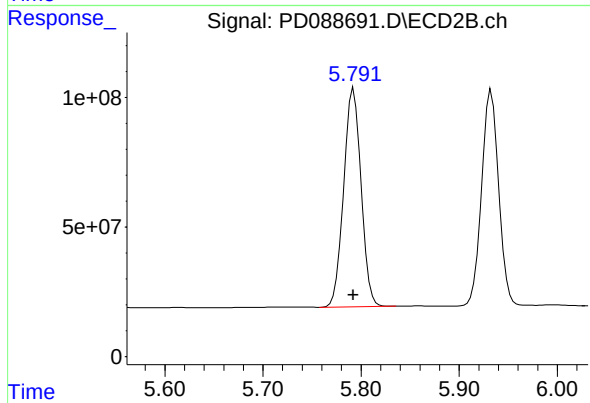
#13 Dieldrin

R.T.: 5.516 min
Delta R.T.: 0.000 min
Response: 1163722310
Conc: 55.30 ng/ml



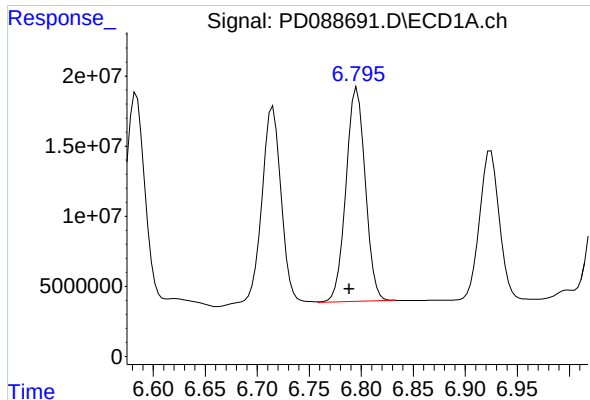
#14 Endrin

R.T.: 6.584 min
Delta R.T.: 0.007 min
Response: 197545251
Conc: 57.84 ng/ml



#14 Endrin

R.T.: 5.792 min
Delta R.T.: 0.000 min
Response: 1041021721
Conc: 53.98 ng/ml



#15 Endosulfan II

R.T.: 6.796 min
Delta R.T.: 0.007 min
Response: 197186263
Conc: 57.26 ng/ml

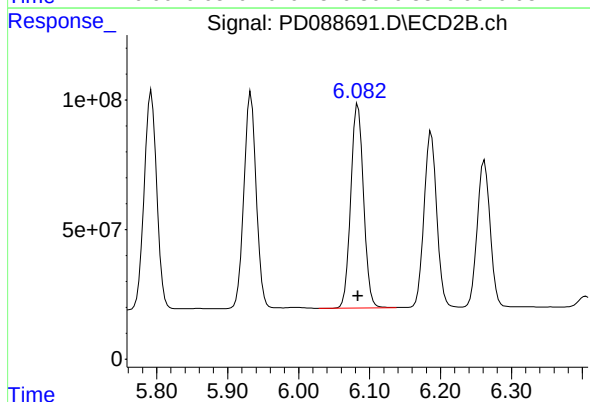
Instrument :

ECD_D

ClientSampleId :
PB168101BS

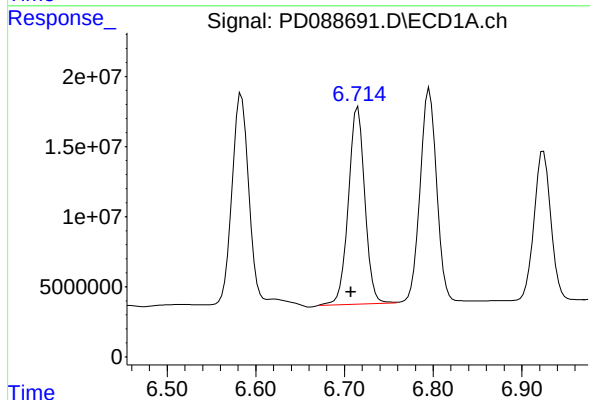
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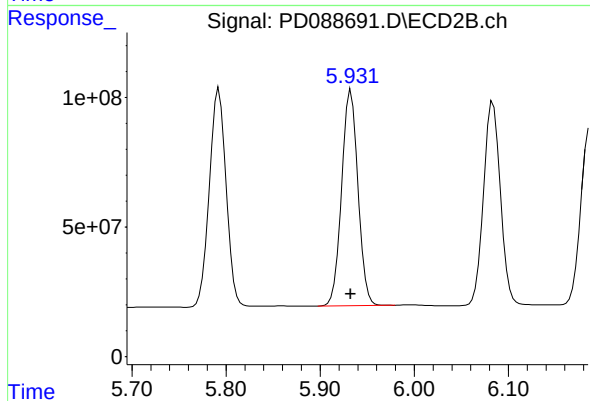
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.000 min
Response: 984007355
Conc: 53.71 ng/ml



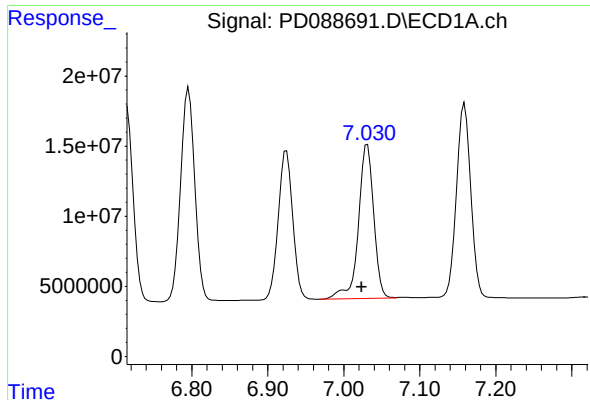
#16 4,4'-DDD

R.T.: 6.715 min
Delta R.T.: 0.008 min
Response: 181657774
Conc: 65.22 ng/ml



#16 4,4'-DDD

R.T.: 5.933 min
Delta R.T.: 0.000 min
Response: 1004789780
Conc: 57.77 ng/ml



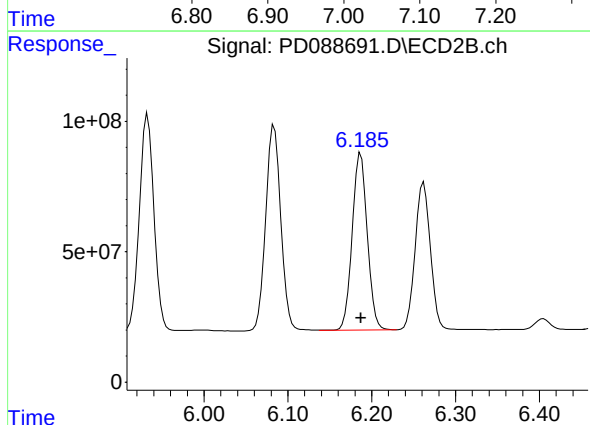
#17 4,4'-DDT

R.T.: 7.031 min
Delta R.T.: 0.008 min
Response: 153939363
Conc: 49.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

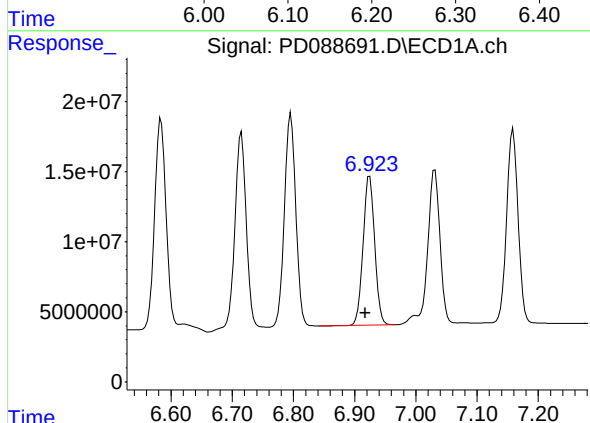
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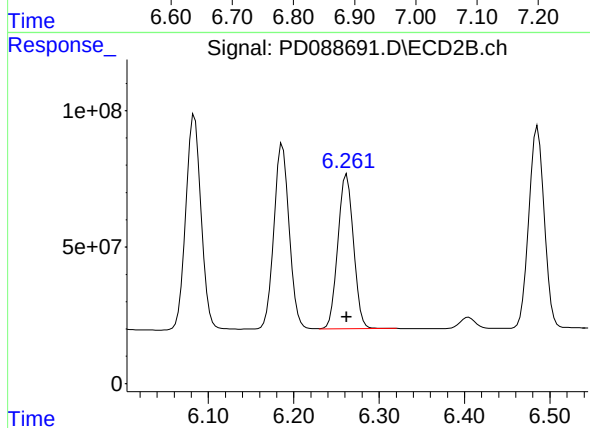
#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 848156920
Conc: 46.76 ng/ml



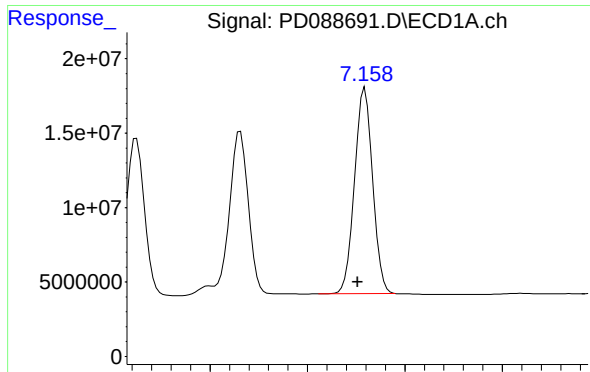
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.007 min
Response: 139272314
Conc: 54.09 ng/ml



#18 Endrin aldehyde

R.T.: 6.262 min
Delta R.T.: 0.000 min
Response: 716046251
Conc: 51.41 ng/ml



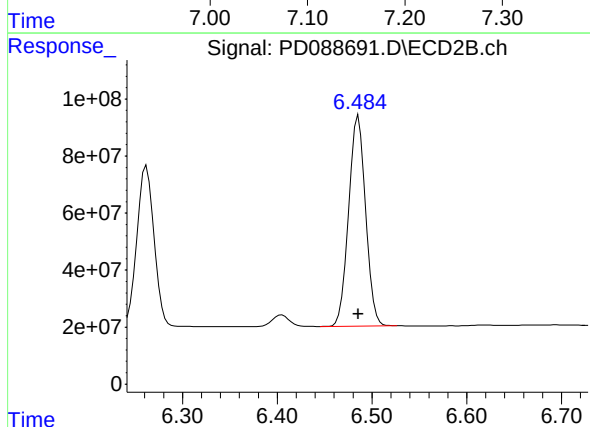
#19 Endosulfan Sulfate

R.T.: 7.159 min
Delta R.T.: 0.007 min
Response: 178829062
Conc: 55.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

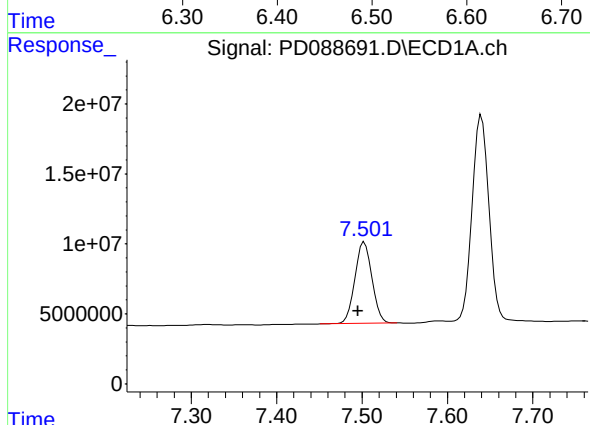
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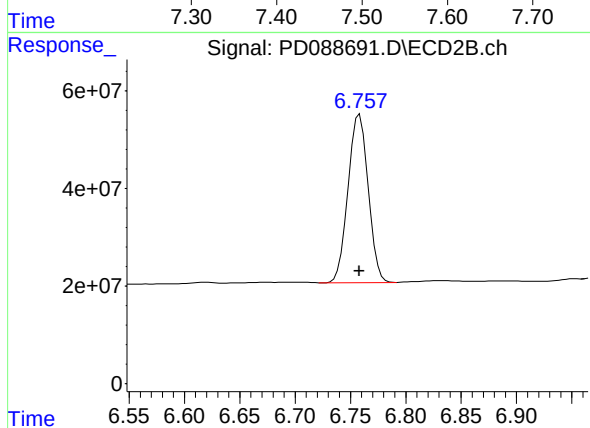
#19 Endosulfan Sulfate

R.T.: 6.486 min
Delta R.T.: 0.000 min
Response: 918578824
Conc: 51.73 ng/ml



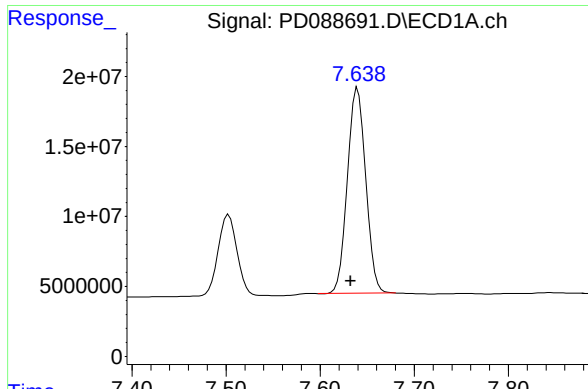
#20 Methoxychlor

R.T.: 7.503 min
Delta R.T.: 0.008 min
Response: 80985098
Conc: 48.48 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 438648090
Conc: 45.81 ng/ml



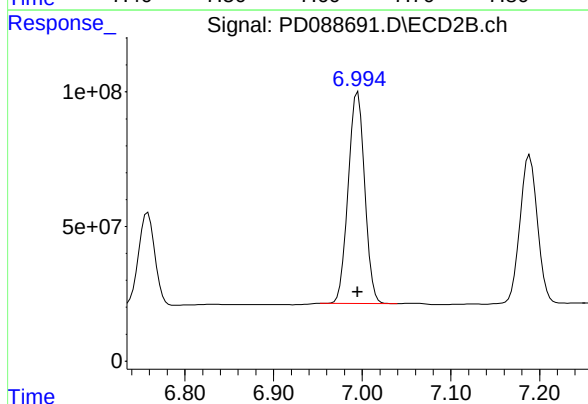
#21 Endrin ketone

R.T.: 7.640 min
Delta R.T.: 0.007 min
Response: 199154455
Conc: 58.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168101BS

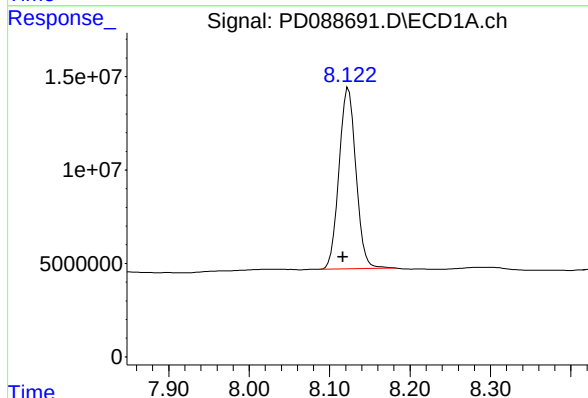
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Reviewed By :Abdul Mirza 05/22/2025
Supervised By :mohammad ahmed 05/23/2025



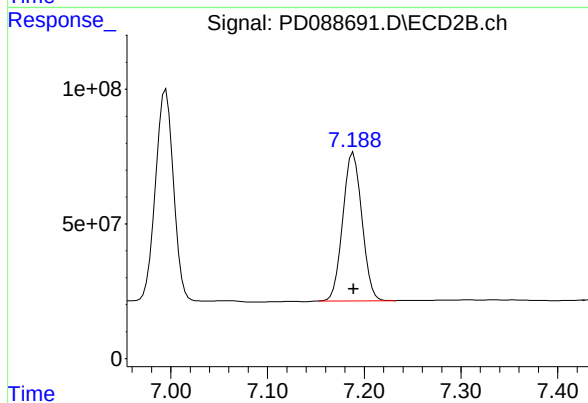
#21 Endrin ketone

R.T.: 6.995 min
Delta R.T.: 0.000 min
Response: 1016482324
Conc: 52.54 ng/ml



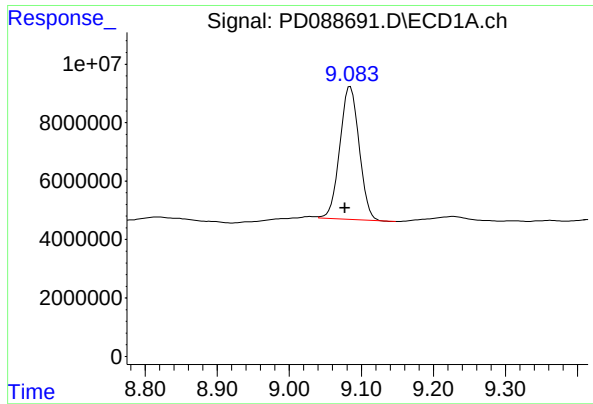
#22 Mirex

R.T.: 8.124 min
Delta R.T.: 0.007 min
Response: 142222069
Conc: 54.74 ng/ml



#22 Mirex

R.T.: 7.189 min
Delta R.T.: 0.000 min
Response: 752622481
Conc: 49.51 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.085 min
Delta R.T.: 0.007 min
Response: 84348608
Conc: 24.65 ng/ml

Instrument :

ECD_D

ClientSampleId :

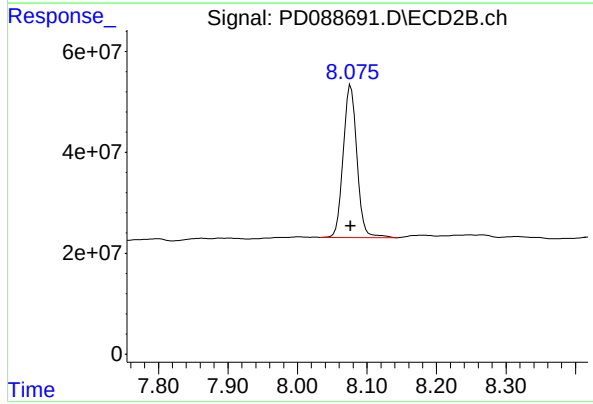
PB168101BS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 05/22/2025

Supervised By :mohammad ahmed 05/23/2025



#28 Decachlorobiphenyl

R.T.: 8.077 min
Delta R.T.: 0.000 min
Response: 414788154
Conc: 22.72 ng/ml