

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052025\
 Data File : PD088674.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 May 2025 20:36
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/21/2025
 Supervised By : mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 21 03:37:41 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...	3.551	2.882	124.3E6	860.6E6	57.439	56.889
28)	SA Decachlor...	9.075	8.074	182.0E6	925.8E6	53.191	50.713
Target Compounds							
2)	A alpha-BHC	4.001	3.394	255.8E6	1240.2E6	53.544	51.885
3)	MA gamma-BHC...	4.332	3.731	243.2E6	1143.6E6	52.833	51.592
4)	MA Heptachlor	4.931	4.084	230.1E6	1121.0E6	51.472	49.924
5)	MB Aldrin	5.273	4.370	231.4E6	1138.6E6	52.664	51.918
6)	B beta-BHC	4.516	4.026	92984635	501.1E6	51.568	51.434
7)	B delta-BHC	4.765	4.263	236.3E6	1150.6E6	55.921	51.610
8)	B Heptachlo...	5.692	4.874	205.2E6	1001.3E6	51.695	50.388
9)	A Endosulfan I	6.076	5.248	192.2E6	887.5E6	51.078	46.765
10)	B gamma-Chl...	5.947	5.127	206.5E6	1082.1E6	51.766	50.729
11)	B alpha-Chl...	6.028	5.192	205.8E6	1029.3E6	51.373	49.904
12)	B 4,4'-DDE	6.197	5.375	183.0E6	1039.6E6	50.976	49.734m
13)	MA Dieldrin	6.348	5.514	207.0E6	1038.4E6	51.609	49.342
14)	MA Endrin	6.576	5.791	173.7E6	952.6E6	50.864	49.396
15)	B Endosulfa...	6.787	6.082	170.1E6	909.8E6	49.404	49.656
16)	A 4,4'-DDD	6.706	5.931	150.6E6	893.4E6	54.059	51.366
17)	MA 4,4'-DDT	7.021	6.185	131.4E6	811.8E6	42.104m	44.757
18)	B Endrin al...	6.916	6.260	124.3E6	661.1E6	48.293	47.466
19)	B Endosulfa...	7.151	6.483	163.3E6	854.5E6	50.985	48.124
20)	A Methoxychlor	7.494	6.756	72535156	439.0E6	43.420	45.849
21)	B Endrin ke...	7.631	6.993	171.7E6	933.0E6	50.149	48.224
22)	Mirex	8.116	7.187	125.2E6	720.9E6	48.189	47.417

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

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Data File : PD088674.D
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Acq On : 20 May 2025 20:36
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

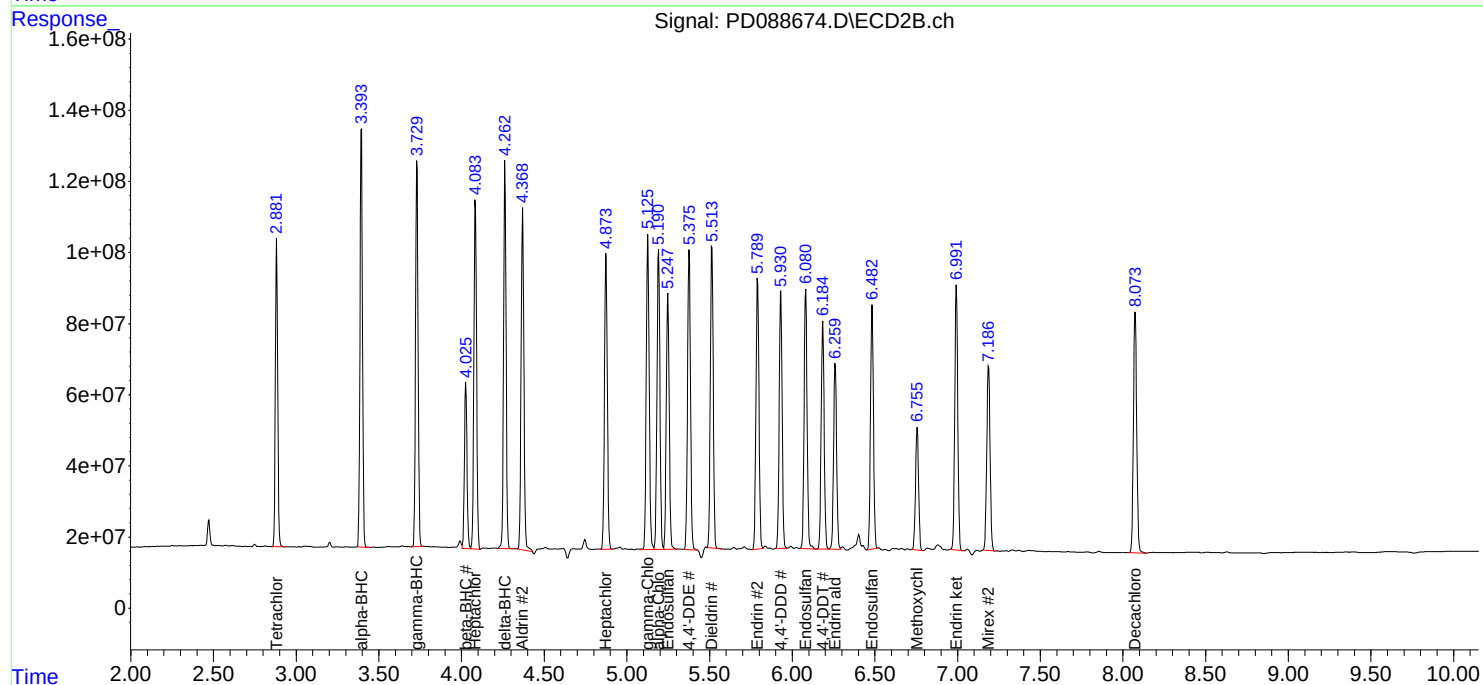
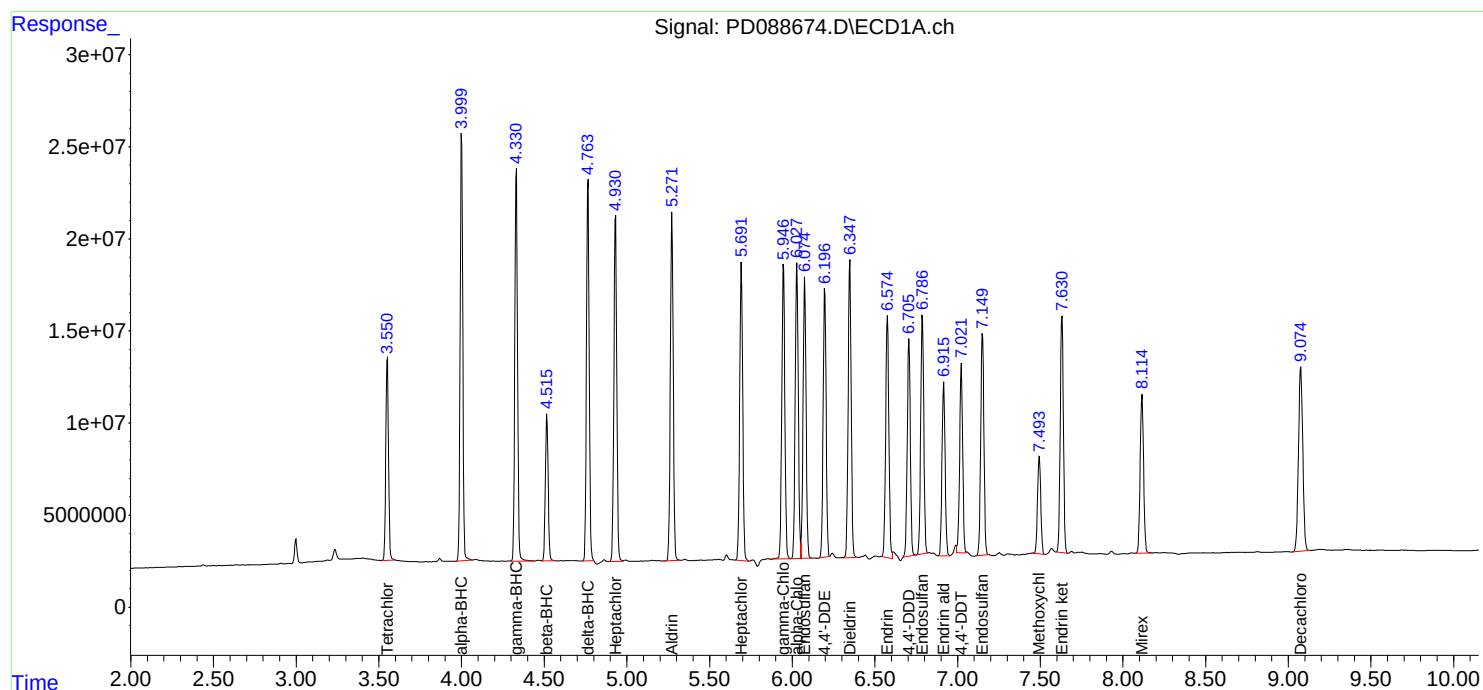
APPROVED

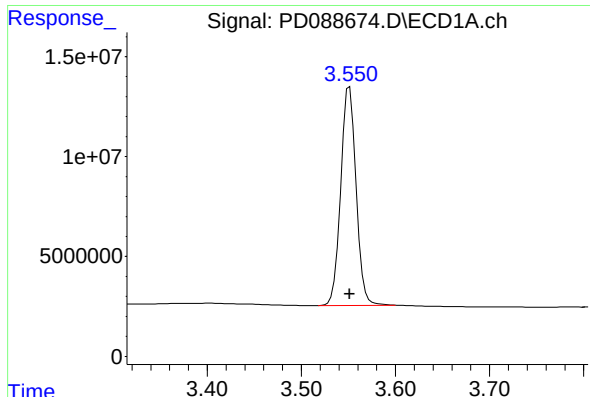
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 21 03:37:41 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





#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 124283022
Conc: 57.44 ng/ml

Instrument :

ECD_D

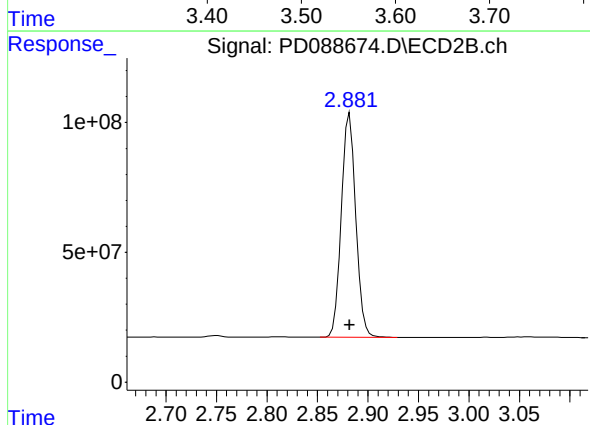
ClientSampleId :

PSTDCCC050

Manual Integrations

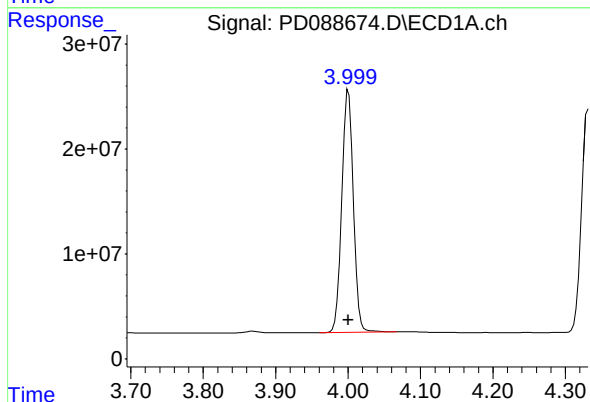
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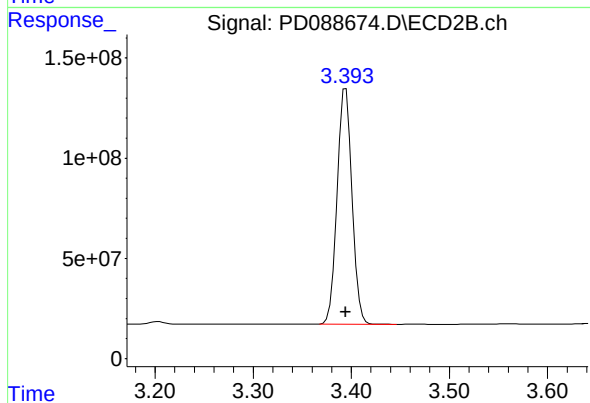
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 860551028
Conc: 56.89 ng/ml



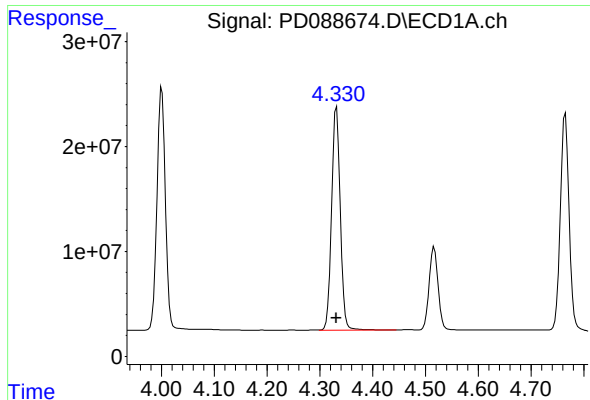
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.000 min
Response: 255754802
Conc: 53.54 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 1240237434
Conc: 51.88 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.000 min
Response: 243176300
Conc: 52.83 ng/ml

Instrument :

ECD_D

ClientSampleId :

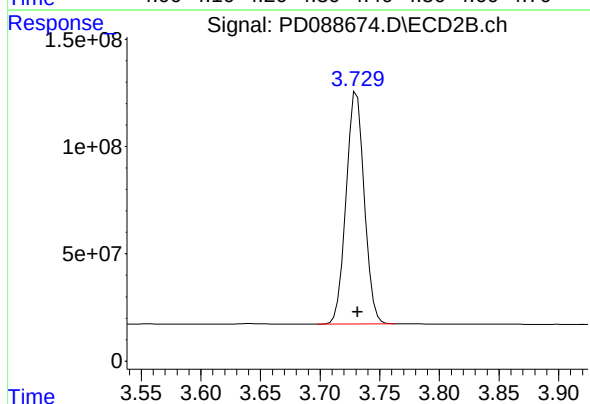
PSTDCCC050

Manual Integrations

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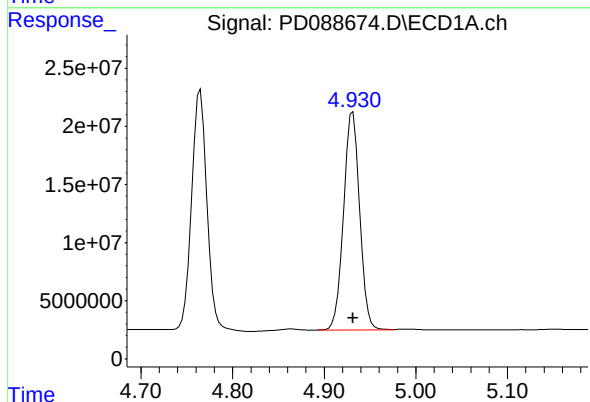
Reviewed By :Abdul Mirza 05/21/2025

Supervised By :mohammad ahmed 05/22/2025



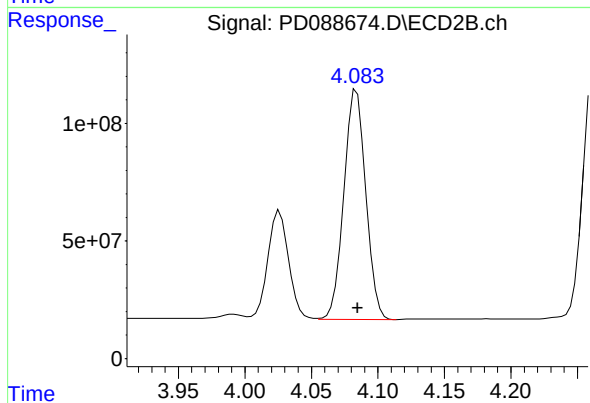
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 1143567614
Conc: 51.59 ng/ml



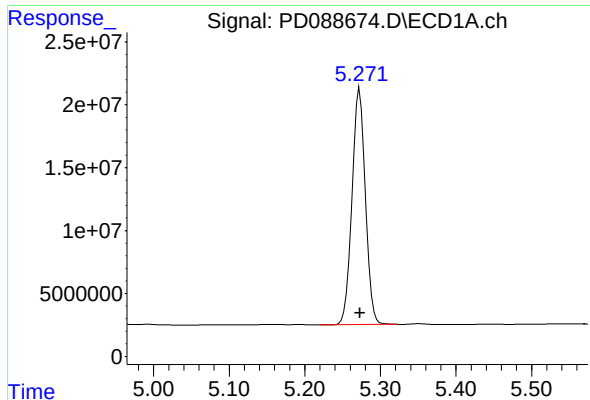
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.000 min
Response: 230144040
Conc: 51.47 ng/ml



#4 Heptachlor

R.T.: 4.084 min
Delta R.T.: 0.000 min
Response: 1121040690
Conc: 49.92 ng/ml



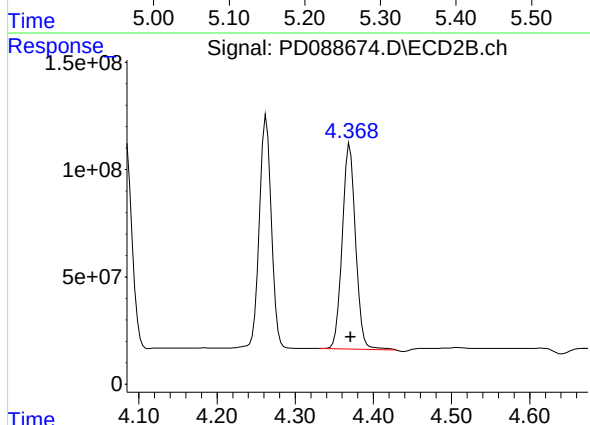
#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.000 min
Response: 231433654
Conc: 52.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

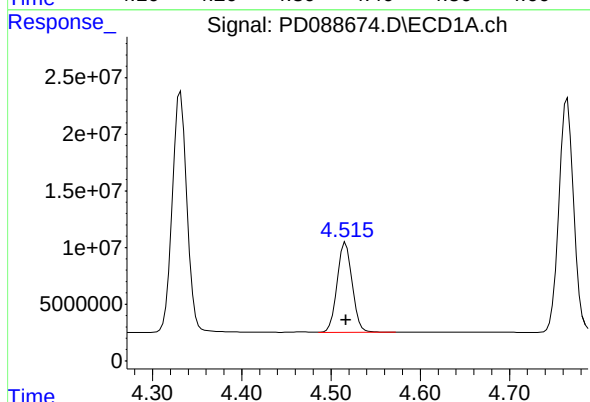
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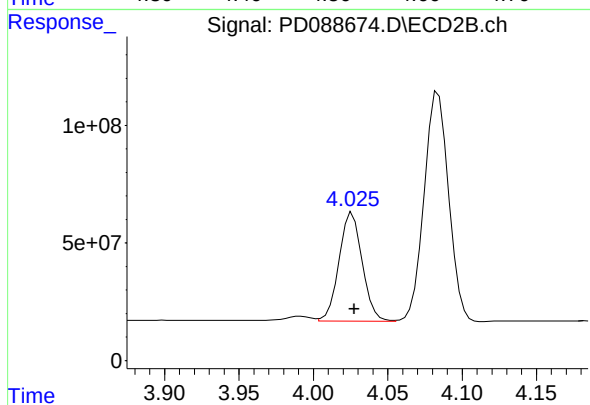
#5 Aldrin

R.T.: 4.370 min
Delta R.T.: -0.001 min
Response: 1138562989
Conc: 51.92 ng/ml



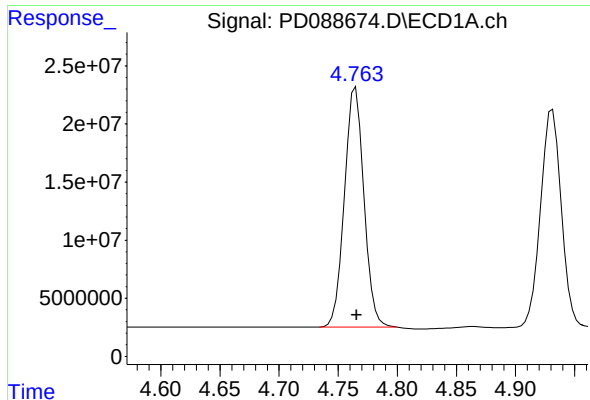
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 92984635
Conc: 51.57 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: -0.001 min
Response: 501064652
Conc: 51.43 ng/ml



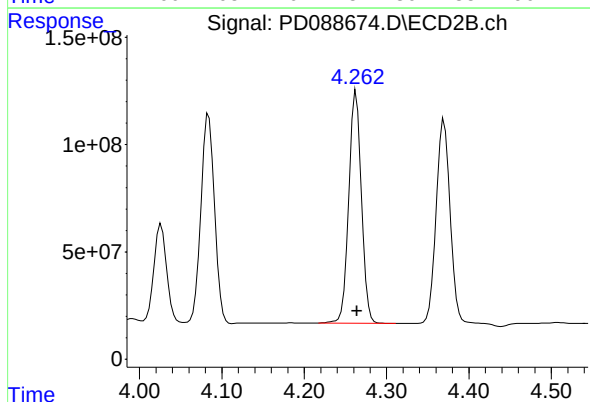
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.000 min
Response: 236330005
Conc: 55.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

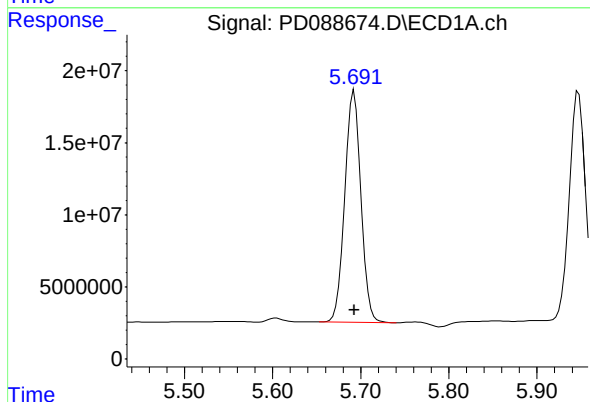
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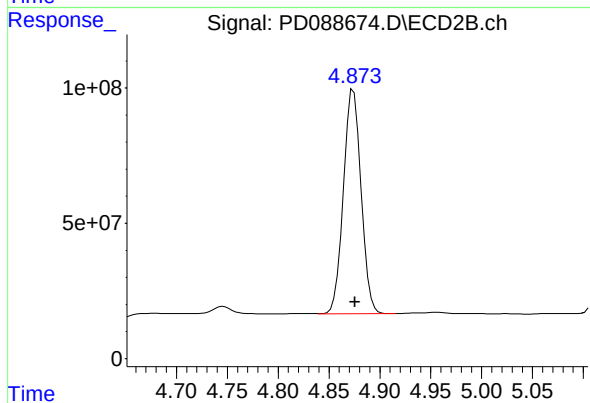
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: 0.000 min
Response: 1150595373
Conc: 51.61 ng/ml



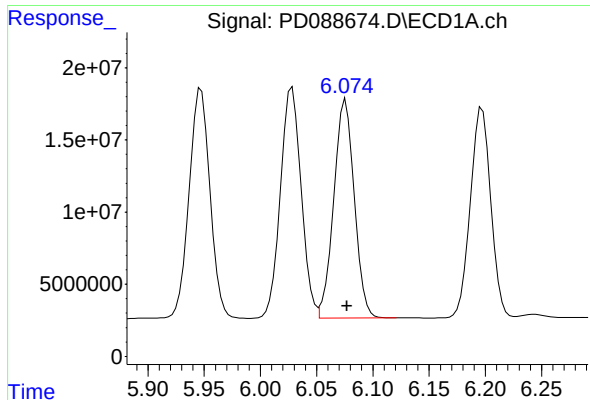
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 205191237
Conc: 51.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.001 min
Response: 1001270281
Conc: 50.39 ng/ml



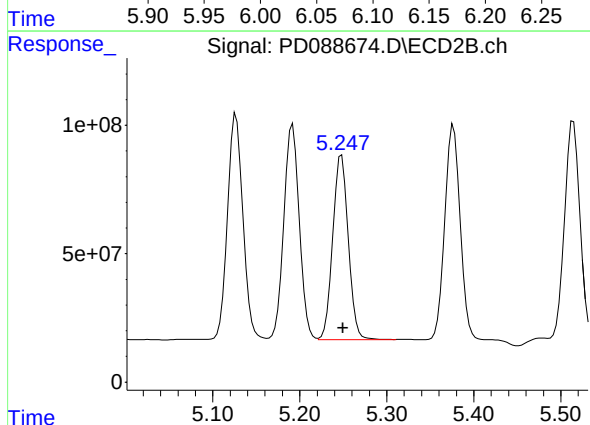
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 192203244
Conc: 51.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

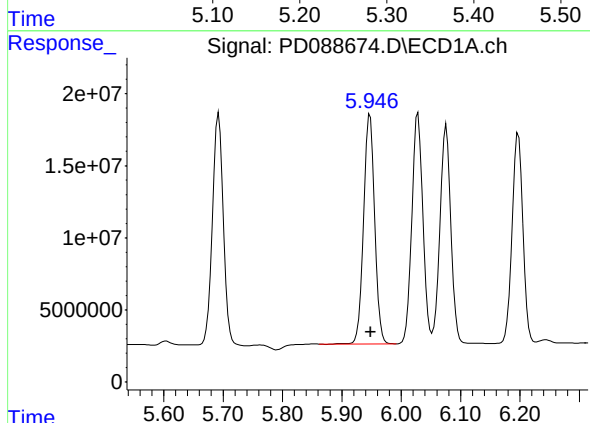
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Reviewed By :Abdul Mirza 05/21/2025
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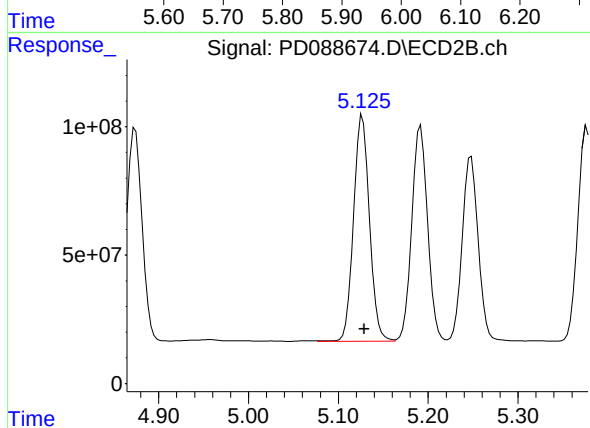
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.002 min
Response: 887531650
Conc: 46.77 ng/ml



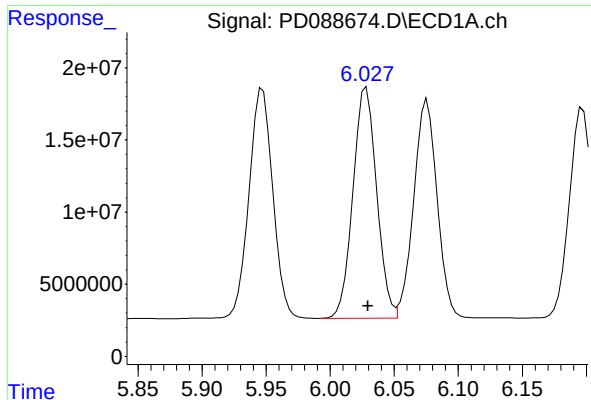
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: -0.001 min
Response: 206493795
Conc: 51.77 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 1082144350
Conc: 50.73 ng/ml



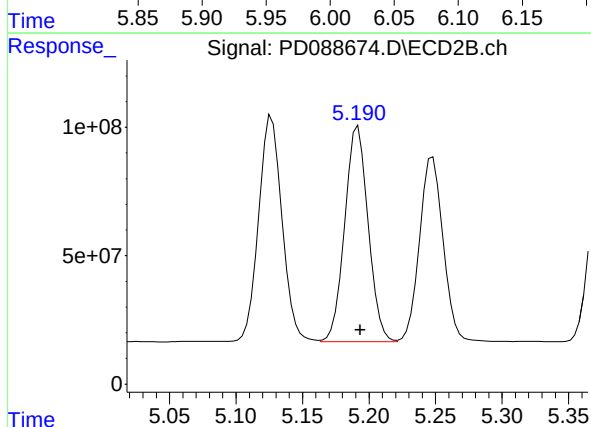
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: -0.002 min
Response: 205815535
Conc: 51.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

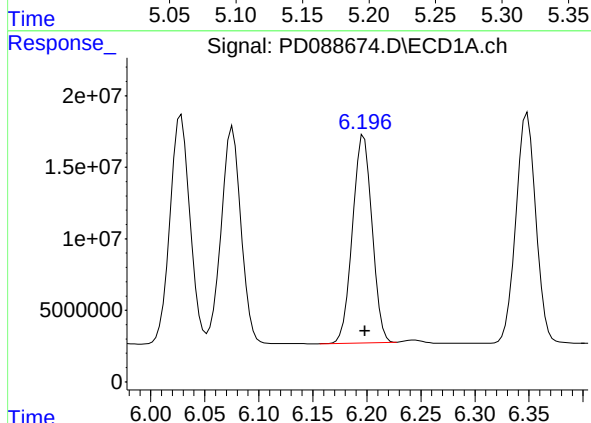
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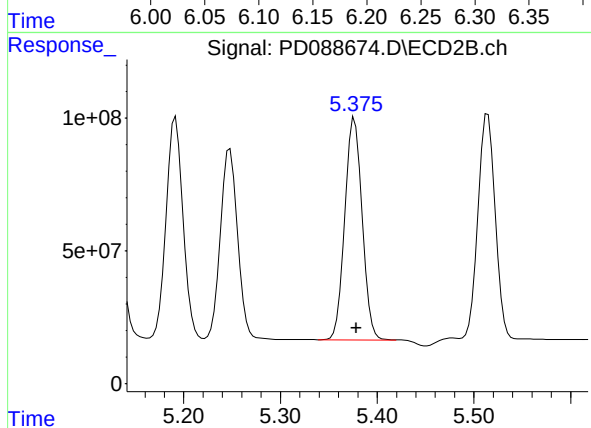
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 1029255055
Conc: 49.90 ng/ml



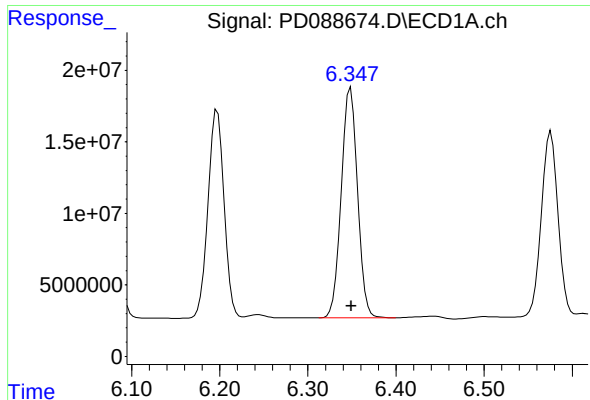
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: -0.001 min
Response: 182970750
Conc: 50.98 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: -0.003 min
Response: 1039577973
Conc: 49.73 ng/ml m



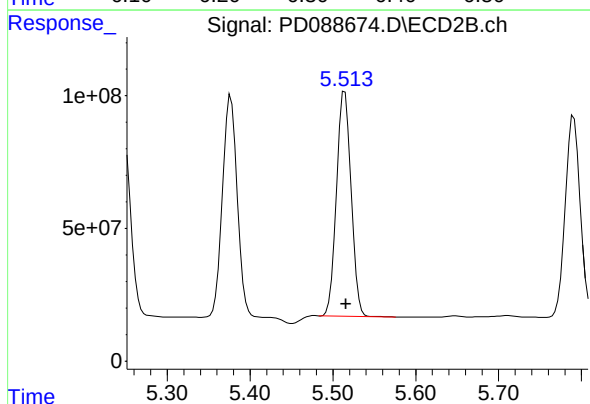
#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: -0.001 min
Response: 207039743
Conc: 51.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

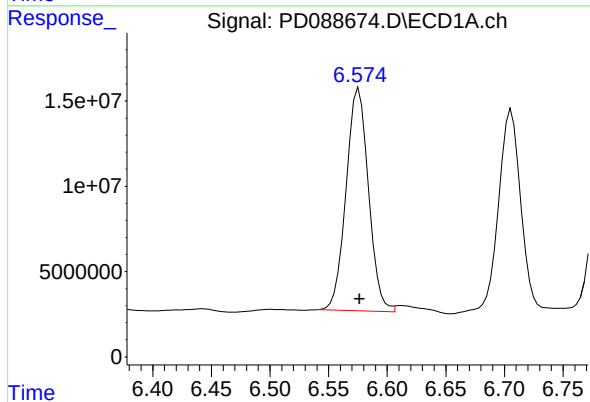
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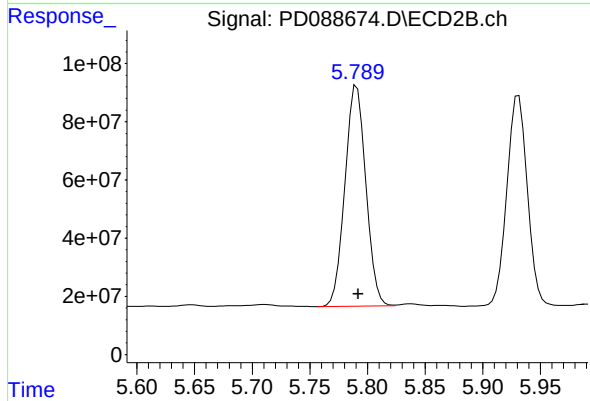
#13 Dieldrin

R.T.: 5.514 min
Delta R.T.: -0.002 min
Response: 1038353905
Conc: 49.34 ng/ml



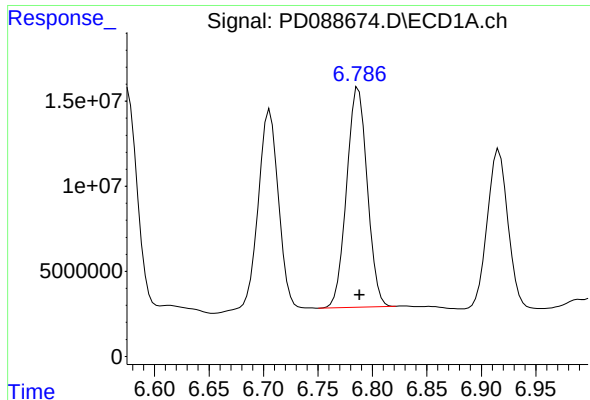
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.000 min
Response: 173710389
Conc: 50.86 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 952553815
Conc: 49.40 ng/ml



#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: -0.001 min
Response: 170127480
Conc: 49.40 ng/ml

Instrument :

ECD_D

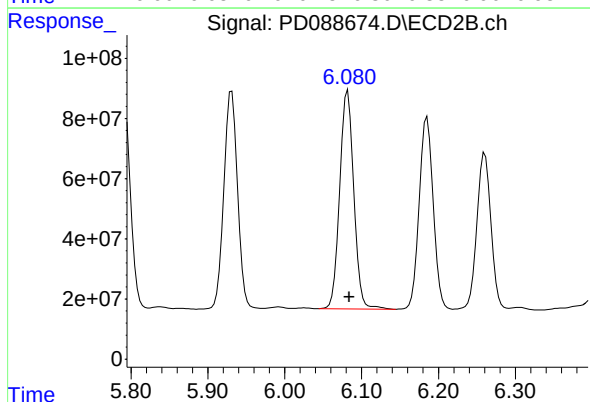
ClientSampleId :

PSTDCCC050

Manual Integrations

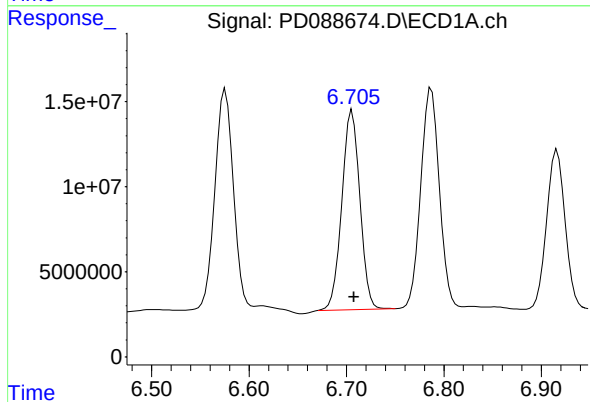
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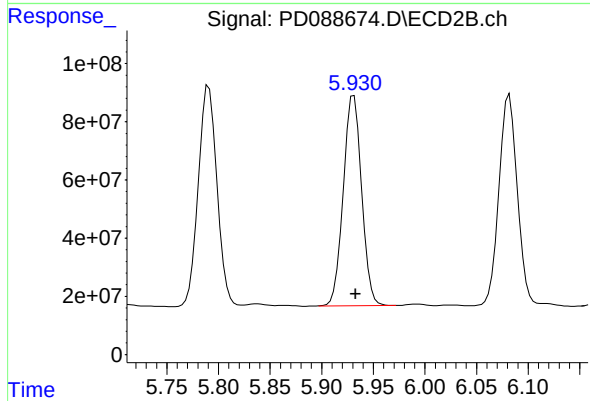
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 909779392
Conc: 49.66 ng/ml



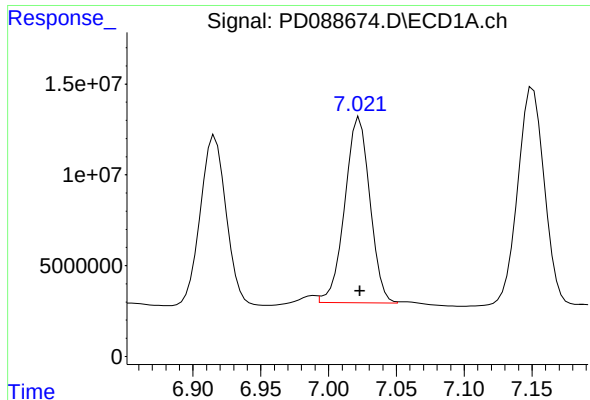
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: -0.002 min
Response: 150558928
Conc: 54.06 ng/ml



#16 4,4'-DDD

R.T.: 5.931 min
Delta R.T.: -0.002 min
Response: 893380762
Conc: 51.37 ng/ml



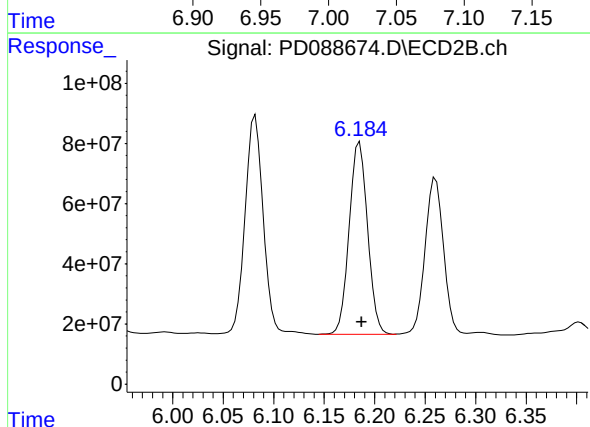
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: -0.002 min
Response: 131449980
Conc: 42.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

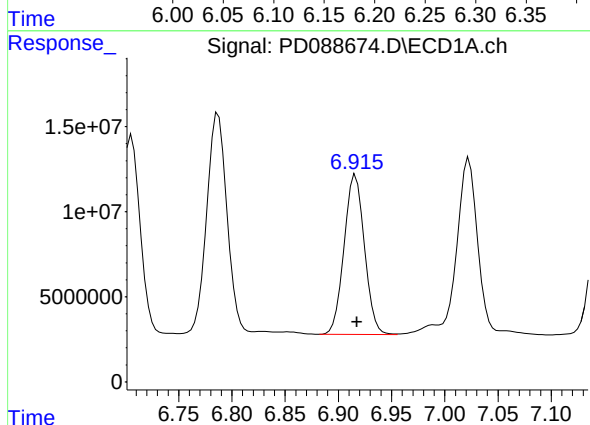
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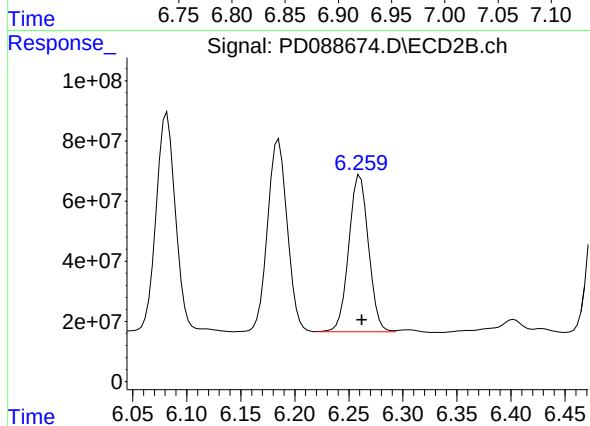
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.002 min
Response: 811767708
Conc: 44.76 ng/ml



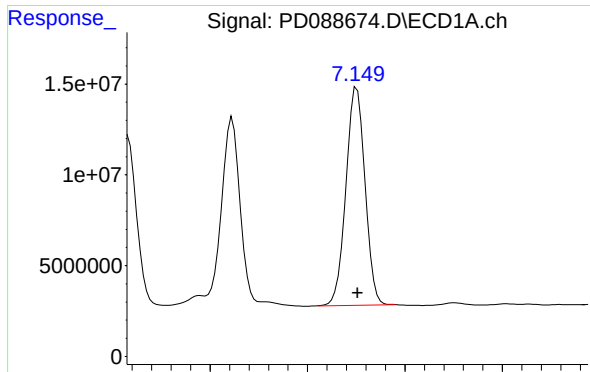
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: -0.001 min
Response: 124334768
Conc: 48.29 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.002 min
Response: 661141815
Conc: 47.47 ng/ml



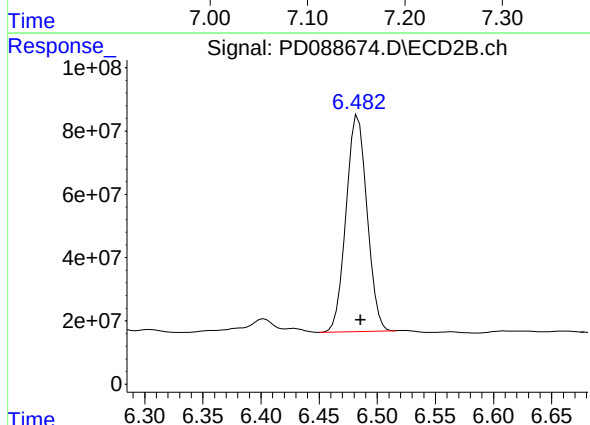
#19 Endosulfan Sulfate

R.T.: 7.151 min
Delta R.T.: -0.001 min
Response: 163307927
Conc: 50.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

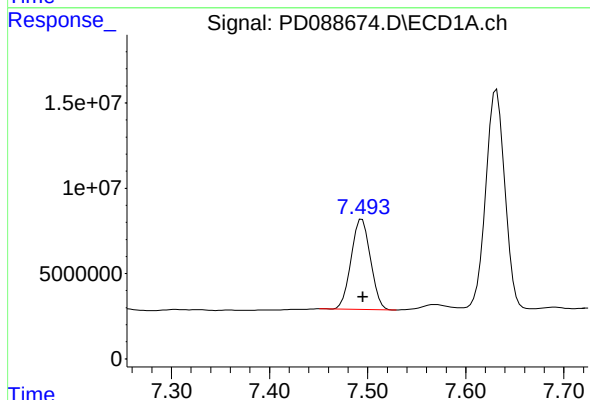
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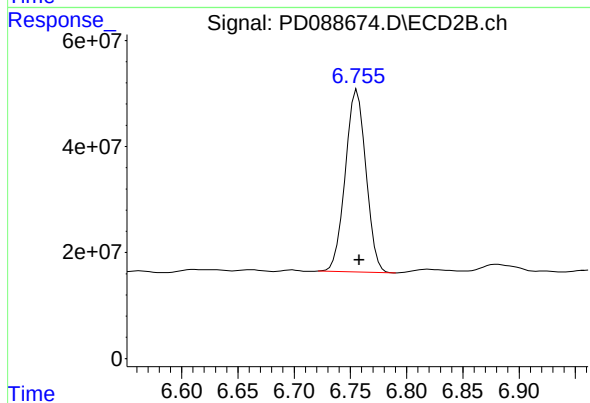
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.002 min
Response: 854476720
Conc: 48.12 ng/ml



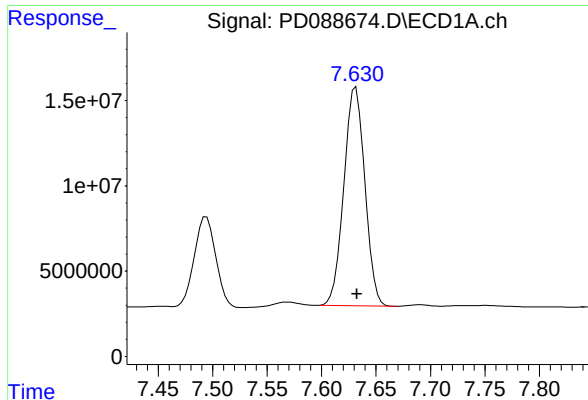
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: -0.001 min
Response: 72535156
Conc: 43.42 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 438996732
Conc: 45.85 ng/ml



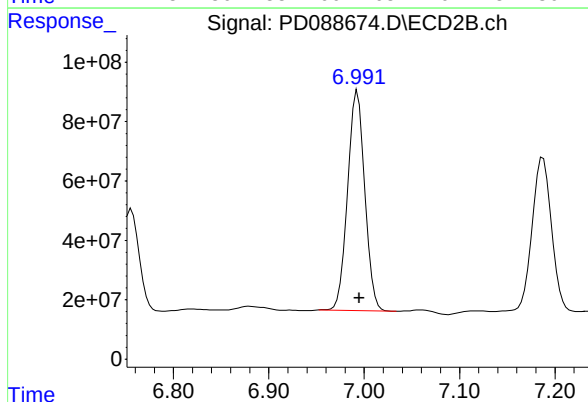
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: -0.001 min
Response: 171666659
Conc: 50.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

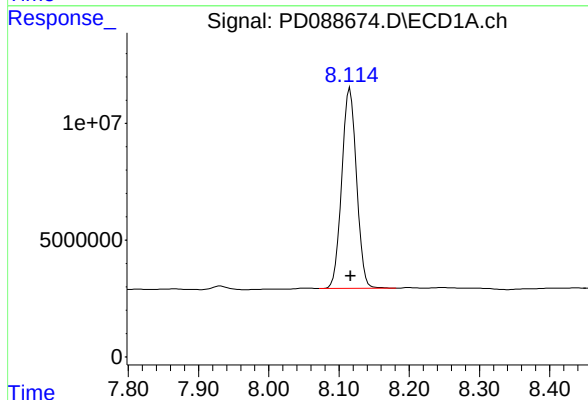
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/21/2025
Supervised By :mohammad ahmed 05/22/2025



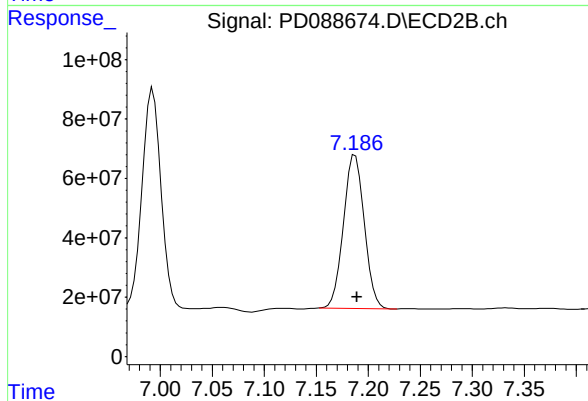
#21 Endrin ketone

R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 933003038
Conc: 48.22 ng/ml



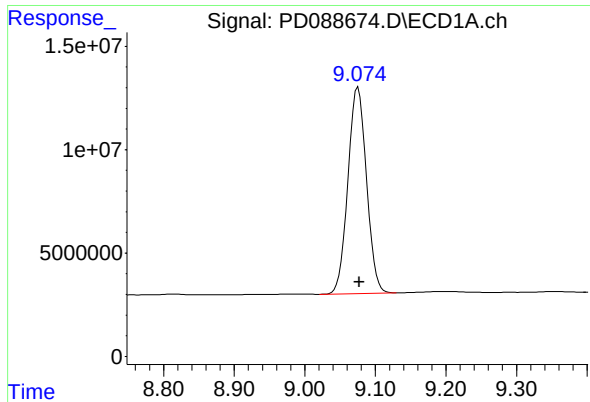
#22 Mirex

R.T.: 8.116 min
Delta R.T.: -0.001 min
Response: 125209349
Conc: 48.19 ng/ml



#22 Mirex

R.T.: 7.187 min
Delta R.T.: -0.002 min
Response: 720854231
Conc: 47.42 ng/ml



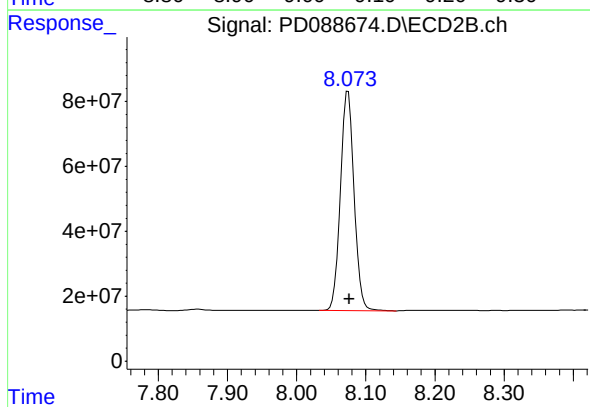
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: -0.002 min
Response: 182037380
Conc: 53.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.002 min
Response: 925835829
Conc: 50.71 ng/ml