

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
 Data File : PD088378.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 May 2025 15:28
 Operator : AR\AJ
 Sample : Q1901-08MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 B-167-SB01MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/02/2025
 Supervised By : mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 02 01:32:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
 Quant Title : GC Extractables
 QLast Update : Sat Apr 19 06:32:27 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	36653010	276.3E6	18.350	18.894
28) SA Decachlor...	9.074	8.075	68849811	350.7E6	20.812	18.979
Target Compounds						
2) A alpha-BHC	4.000	3.395	235.0E6	1131.9E6	54.489	49.509
3) MA gamma-BHC...	4.331	3.731	231.7E6	1058.7E6	55.341	49.152
4) MA Heptachlor	4.930	4.085	217.3E6	1013.1E6	53.810	47.344
5) MB Aldrin	5.272	4.371	215.5E6	1009.1E6	54.569	48.507
6) B beta-BHC	4.516	4.027	86867239	472.8E6	53.510	51.089
7) B delta-BHC	4.763	4.263	252.8E6	1061.4E6	61.292m	49.922
8) B Heptachlo...	5.692	4.875	197.9E6	929.5E6	55.376	49.196
9) A Endosulfan I	6.075	5.249	188.6E6	887.4E6	55.851	49.264
10) B gamma-Chl...	5.947	5.127	201.3E6	999.2E6	55.578	49.231
11) B alpha-Chl...	6.028	5.192	199.7E6	962.1E6	55.328	49.079
12) B 4,4'-DDE	6.196	5.378	179.8E6	966.8E6	54.527	49.092
13) MA Dieldrin	6.347	5.515	202.1E6	983.2E6	56.622	49.325
14) MA Endrin	6.575	5.791	164.9E6	885.9E6	55.274	48.670
15) B Endosulfa...	6.787	6.082	170.3E6	867.2E6	54.489	49.494
16) A 4,4'-DDD	6.705	5.932	144.6E6	832.4E6	57.492	50.799
17) MA 4,4'-DDT	7.022	6.186	145.9E6	790.7E6	52.524	46.469
18) B Endrin al...	6.915	6.260	129.0E6	656.5E6	55.889	49.360
19) B Endosulfa...	7.150	6.484	160.3E6	833.1E6	55.756	48.625
20) A Methoxychlor	7.494	6.756	75400976	420.1E6	50.283	46.062
21) B Endrin ke...	7.631	6.993	171.7E6	911.1E6	55.616	48.714
22) Mirex	8.114	7.188	122.8E6	686.0E6	52.306	46.286

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050125\
Data File : PD088378.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 01 May 2025 15:28
Operator : AR\AJ
Sample : Q1901-08MSD
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

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Manual Integrations

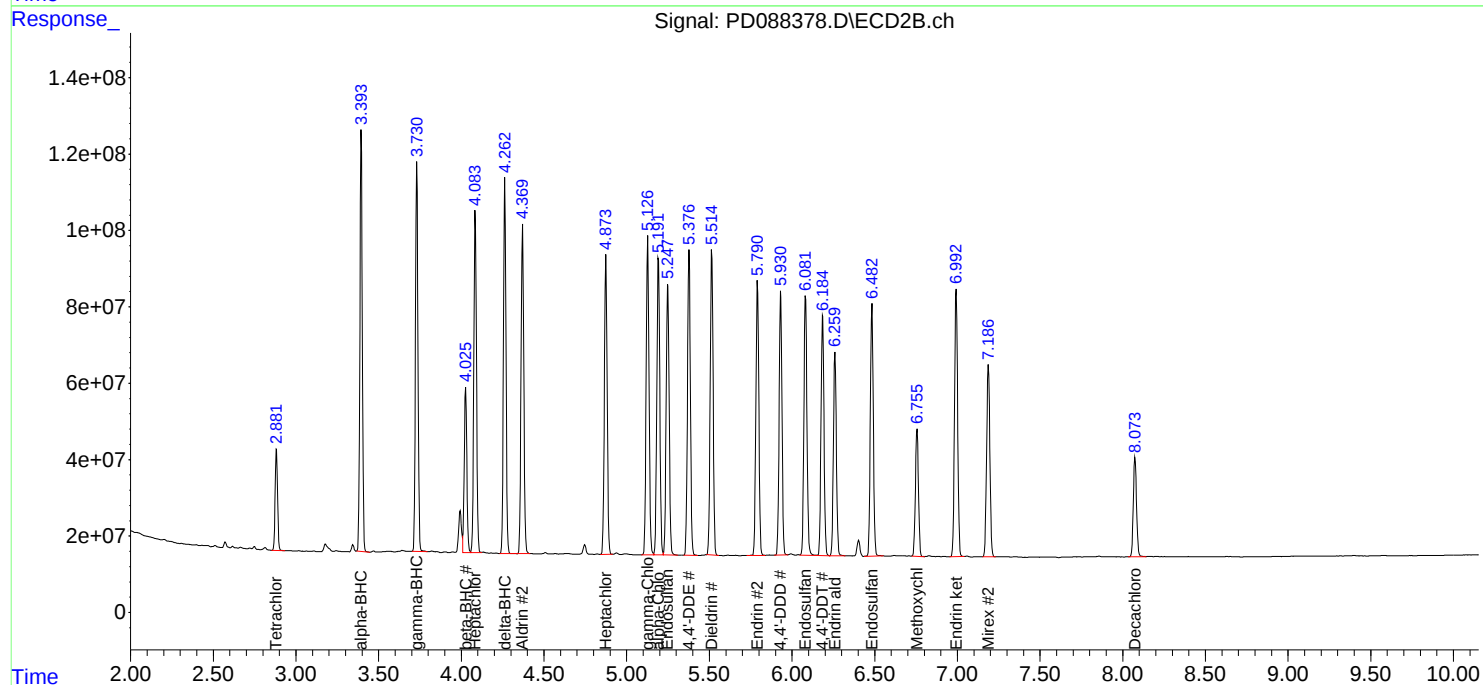
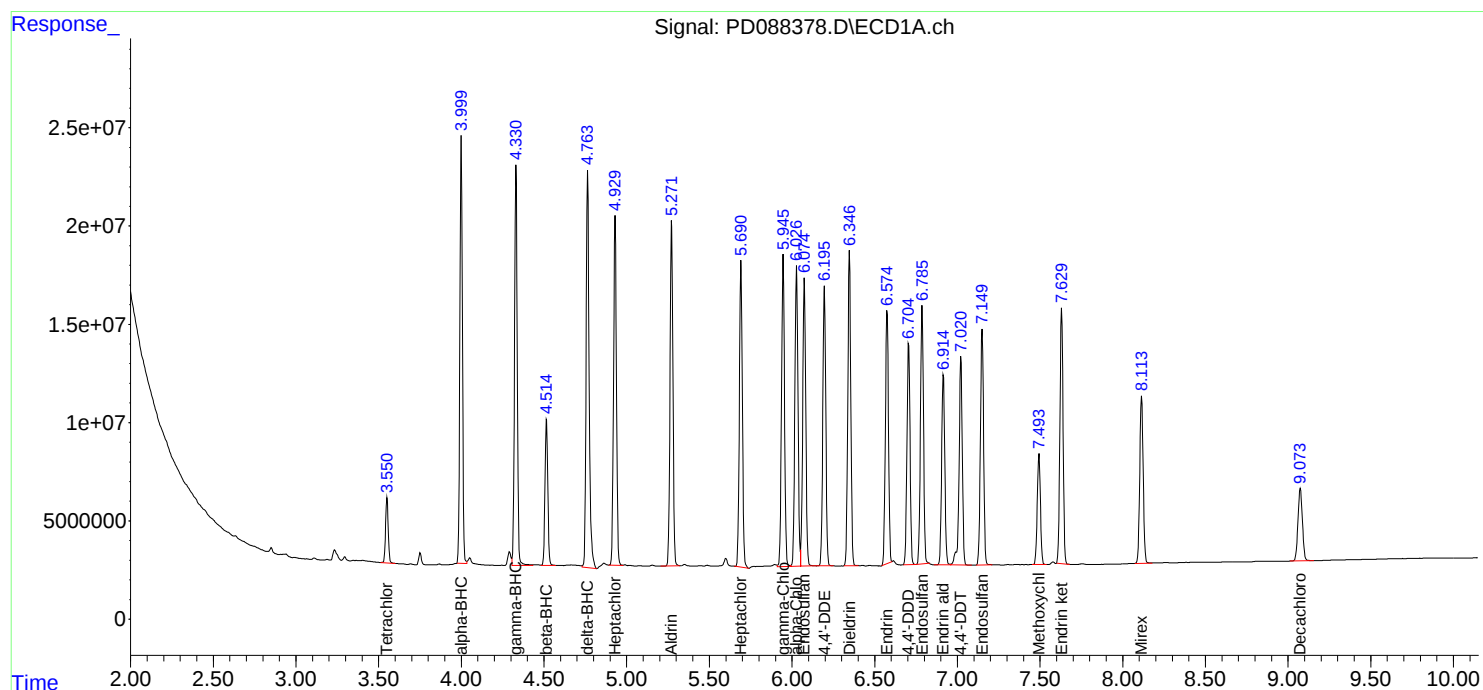
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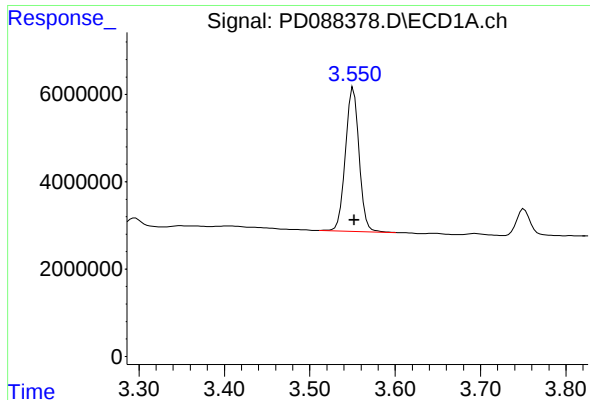
Reviewed By :Abdul Mirza 05/02/2025

Supervised By :mohammad ahmed 05/05/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 02 01:32:46 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041825.M
Quant Title : GC Extractables
QLast Update : Sat Apr 19 06:32:27 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





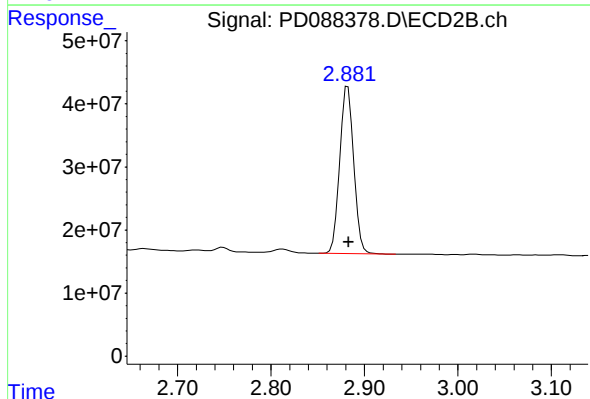
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.000 min
Response: 36653010
Conc: 18.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

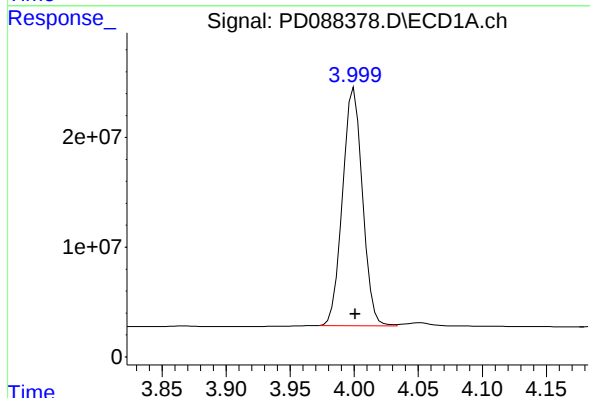
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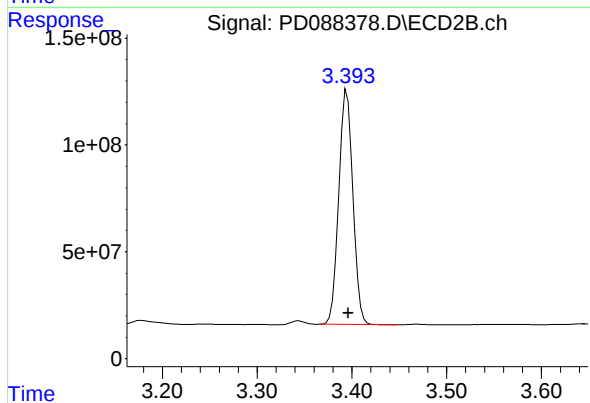
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 276257720
Conc: 18.89 ng/ml



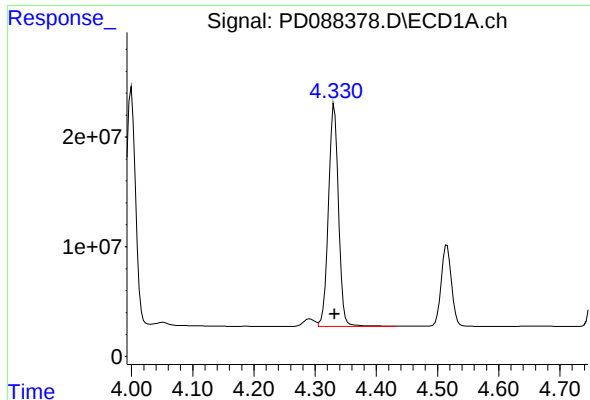
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 234956203
Conc: 54.49 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: -0.001 min
Response: 1131857718
Conc: 49.51 ng/ml



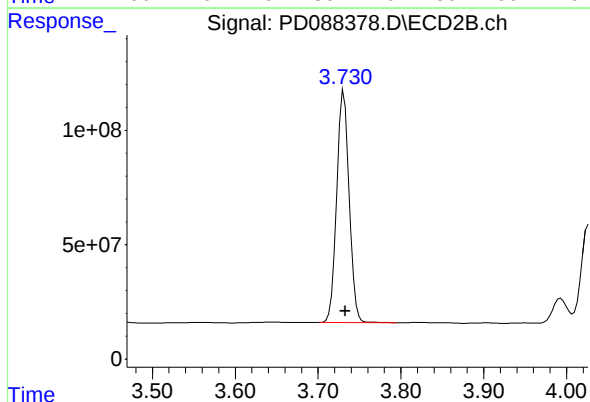
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 231741320
Conc: 55.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

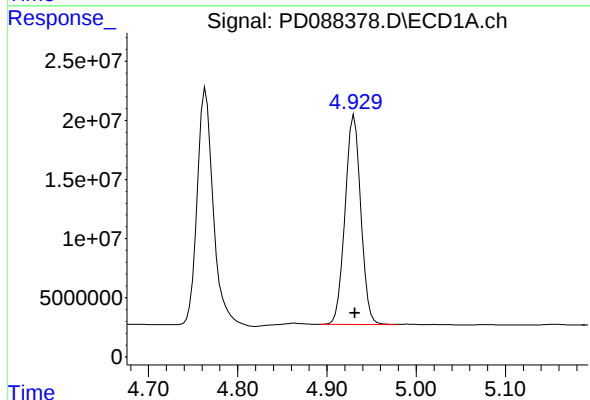
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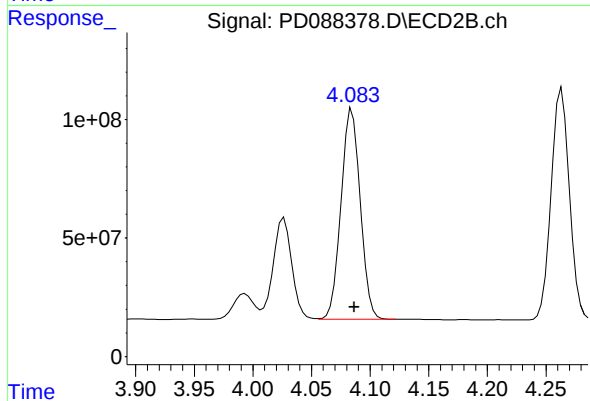
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 1058665021
Conc: 49.15 ng/ml



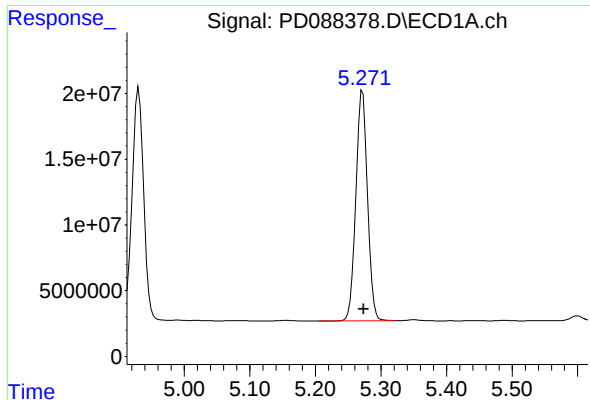
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 217335790
Conc: 53.81 ng/ml



#4 Heptachlor

R.T.: 4.085 min
Delta R.T.: -0.002 min
Response: 1013067731
Conc: 47.34 ng/ml



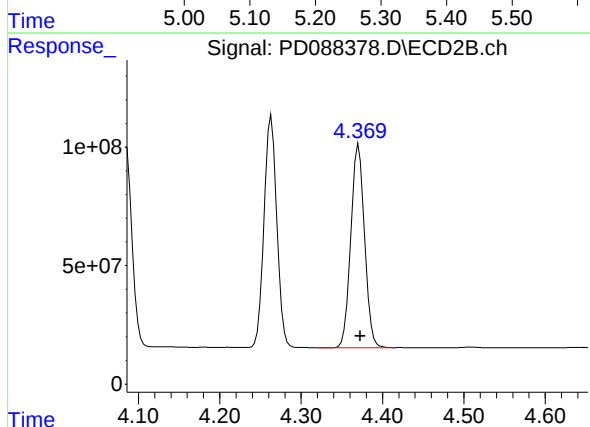
#5 Aldrin

R.T.: 5.272 min
Delta R.T.: -0.001 min
Response: 215523591
Conc: 54.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

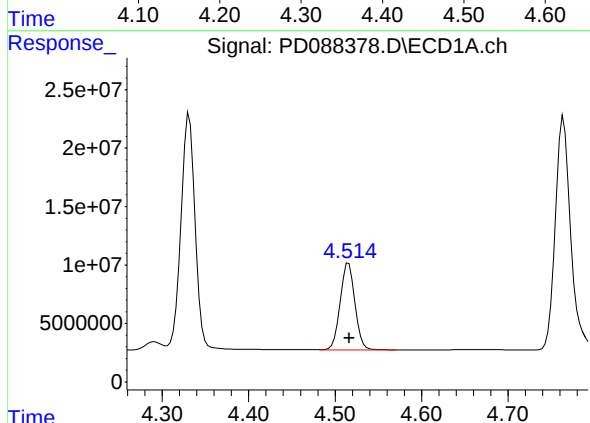
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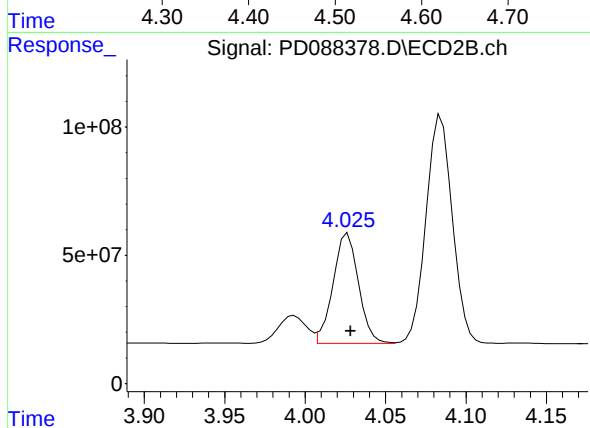
#5 Aldrin

R.T.: 4.371 min
Delta R.T.: -0.002 min
Response: 1009078452
Conc: 48.51 ng/ml



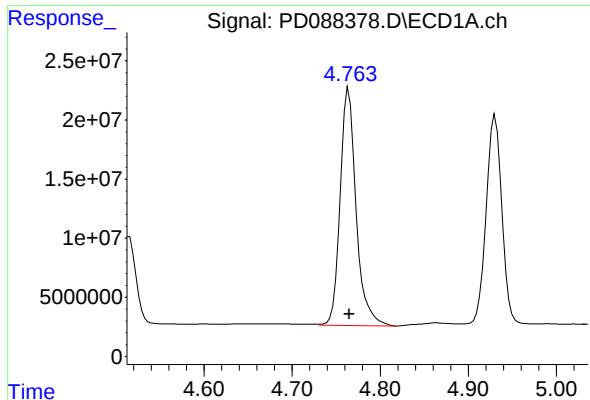
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 86867239
Conc: 53.51 ng/ml



#6 beta-BHC

R.T.: 4.027 min
Delta R.T.: -0.002 min
Response: 472784597
Conc: 51.09 ng/ml



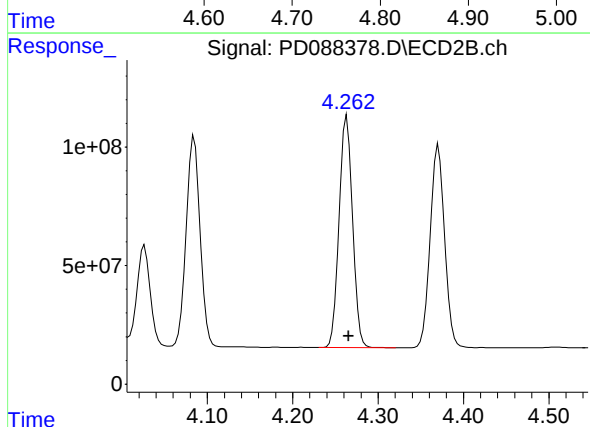
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 252828740
Conc: 61.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

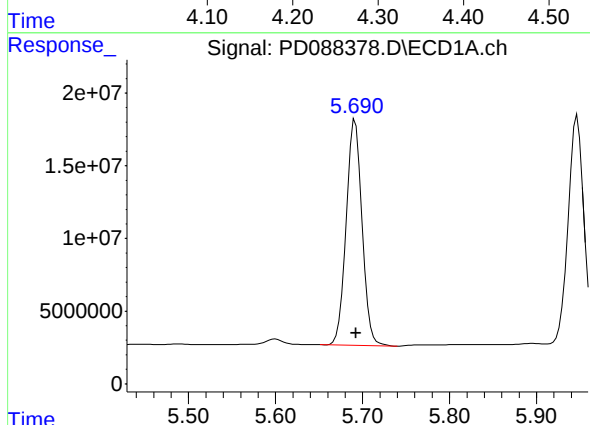
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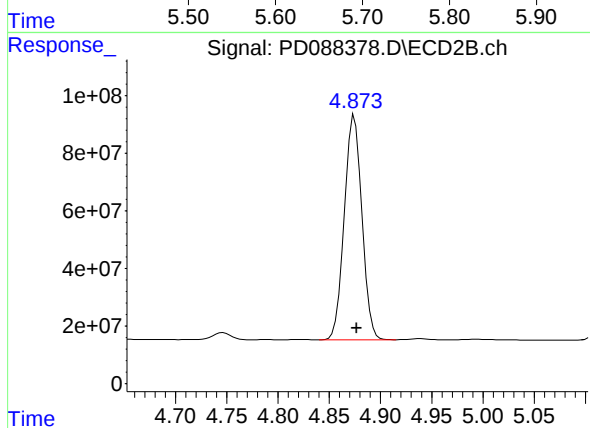
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 1061410181
Conc: 49.92 ng/ml



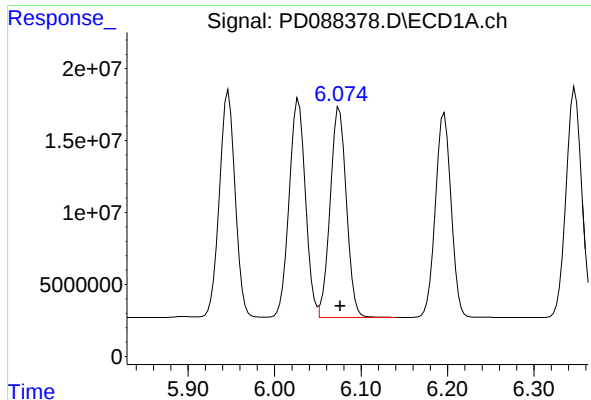
#8 Heptachlor epoxide

R.T.: 5.692 min
Delta R.T.: 0.000 min
Response: 197909785
Conc: 55.38 ng/ml



#8 Heptachlor epoxide

R.T.: 4.875 min
Delta R.T.: -0.002 min
Response: 929531878
Conc: 49.20 ng/ml



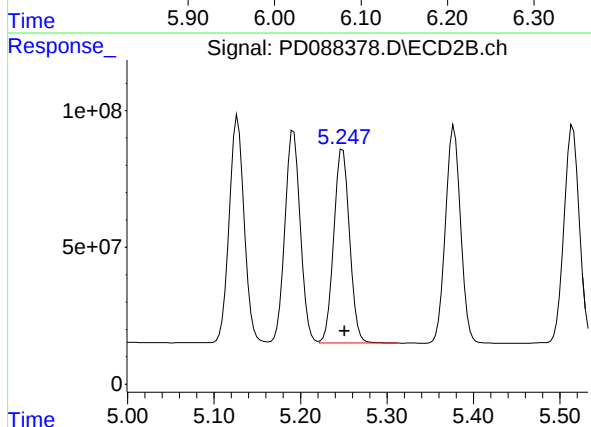
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 188616576
Conc: 55.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

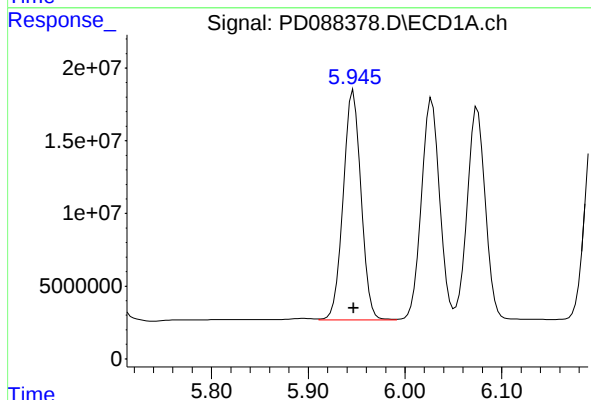
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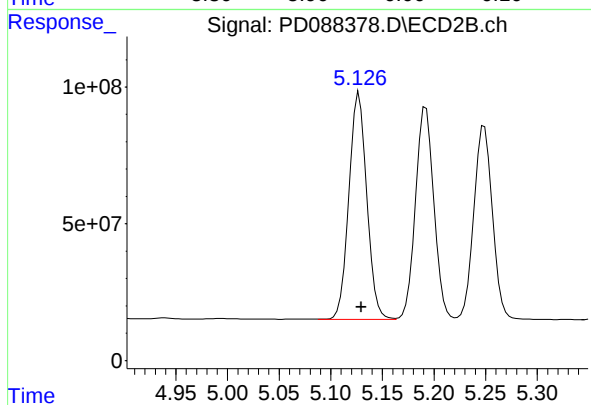
#9 Endosulfan I

R.T.: 5.249 min
Delta R.T.: -0.002 min
Response: 887363719
Conc: 49.26 ng/ml



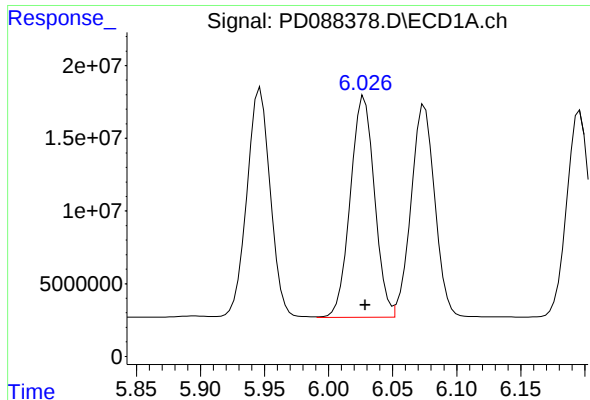
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.000 min
Response: 201305271
Conc: 55.58 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.002 min
Response: 999193168
Conc: 49.23 ng/ml



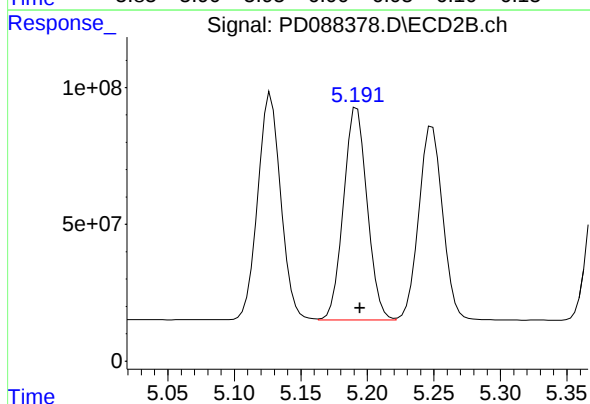
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.000 min
Response: 199712205
Conc: 55.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

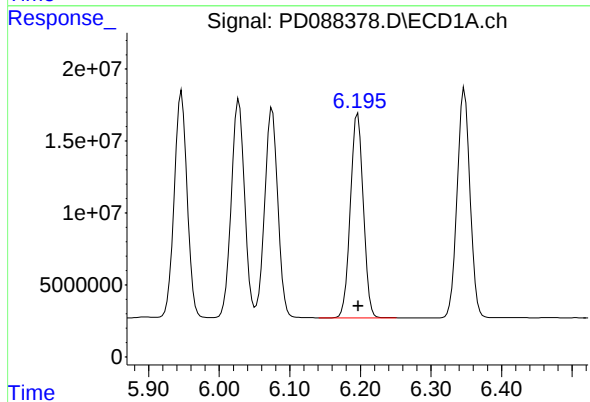
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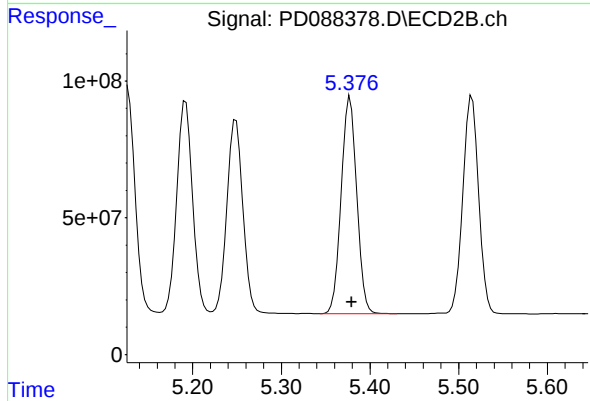
#11 alpha-Chlordane

R.T.: 5.192 min
Delta R.T.: -0.002 min
Response: 962079501
Conc: 49.08 ng/ml



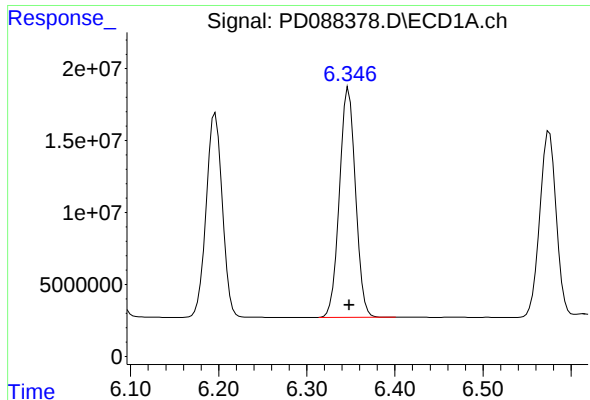
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 179844644
Conc: 54.53 ng/ml



#12 4,4'-DDE

R.T.: 5.378 min
Delta R.T.: -0.002 min
Response: 966807238
Conc: 49.09 ng/ml



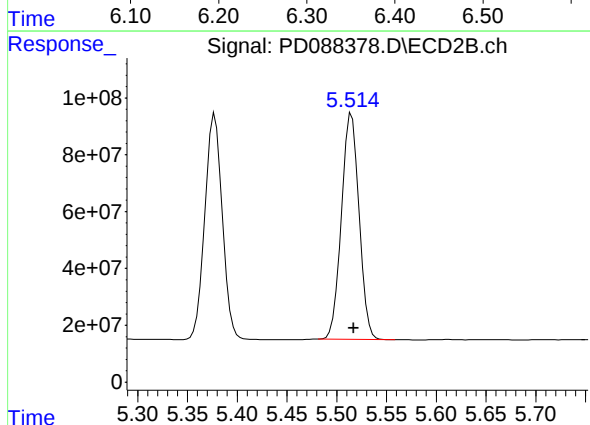
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: -0.001 min
Response: 202055150
Conc: 56.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

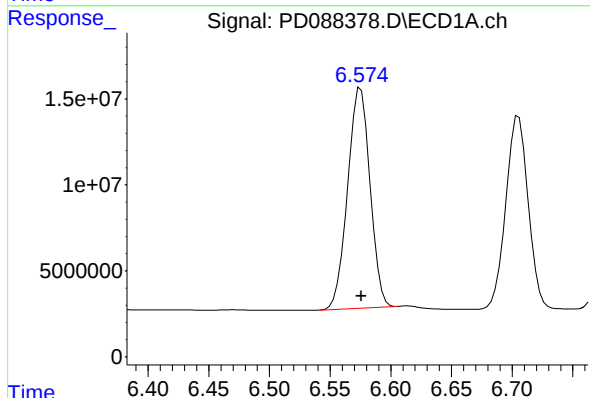
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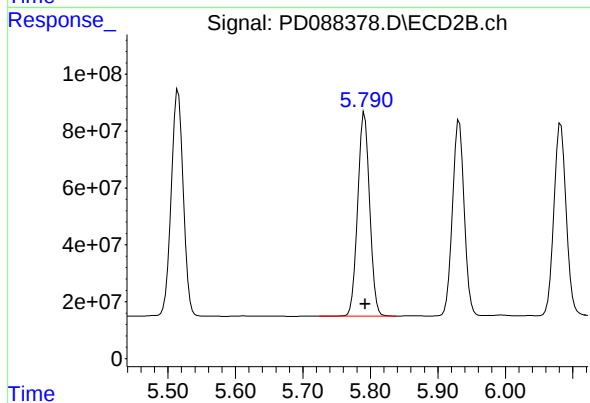
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.002 min
Response: 983181871
Conc: 49.32 ng/ml



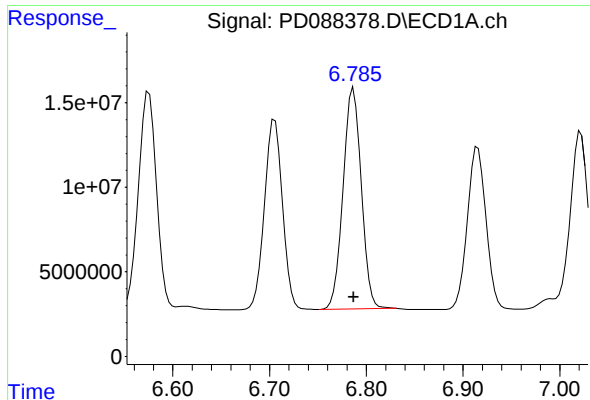
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 164858769
Conc: 55.27 ng/ml



#14 Endrin

R.T.: 5.791 min
Delta R.T.: -0.002 min
Response: 885903205
Conc: 48.67 ng/ml



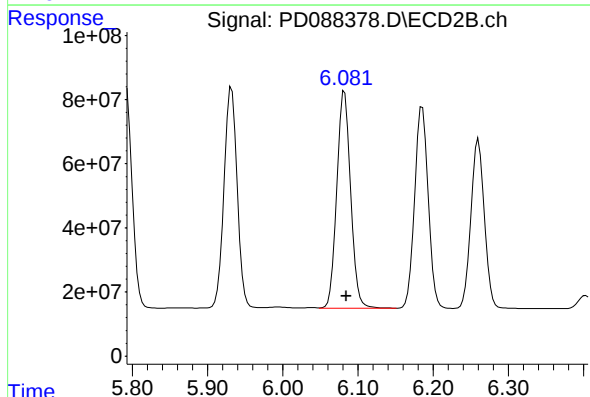
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 170342850
Conc: 54.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

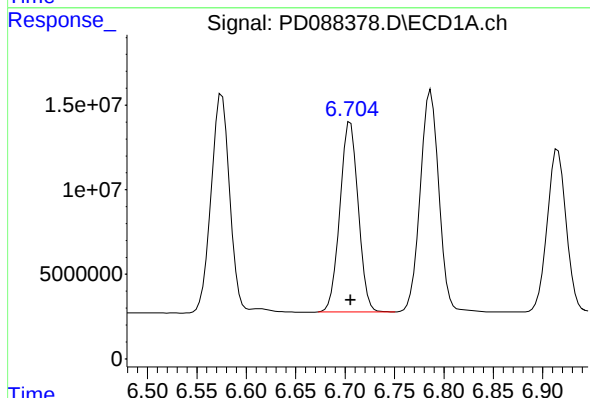
Manual Integrations
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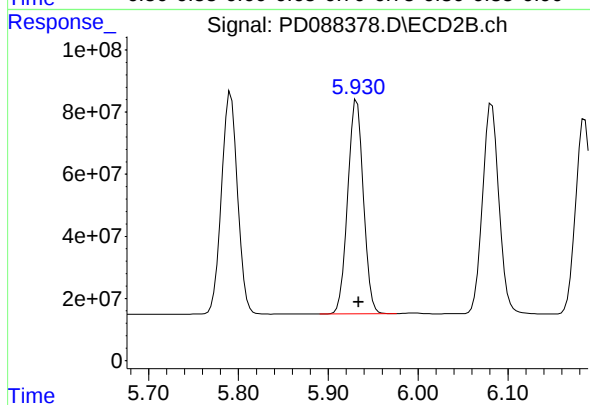
#15 Endosulfan II

R.T.: 6.082 min
Delta R.T.: -0.002 min
Response: 867212368
Conc: 49.49 ng/ml



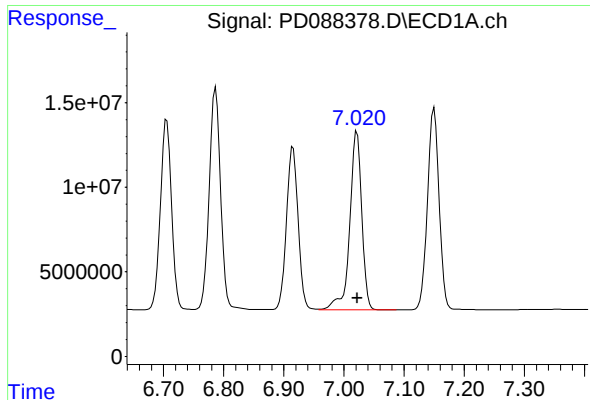
#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: 0.000 min
Response: 144589433
Conc: 57.49 ng/ml



#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: -0.002 min
Response: 832399986
Conc: 50.80 ng/ml



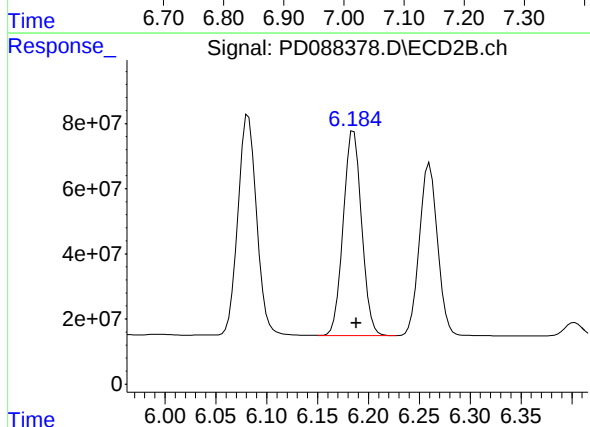
#17 4,4'-DDT

R.T.: 7.022 min
Delta R.T.: 0.000 min
Response: 145887435
Conc: 52.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

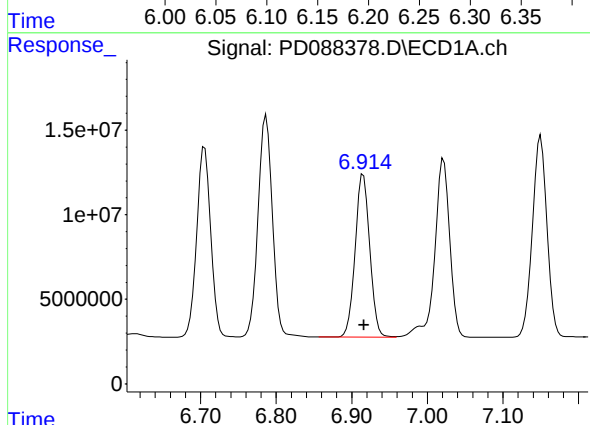
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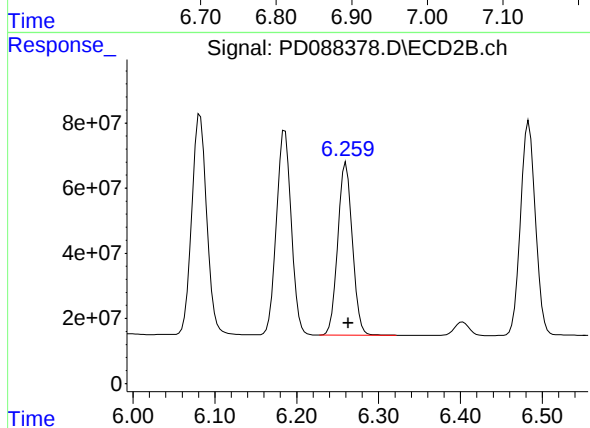
#17 4,4'-DDT

R.T.: 6.186 min
Delta R.T.: -0.003 min
Response: 790743751
Conc: 46.47 ng/ml



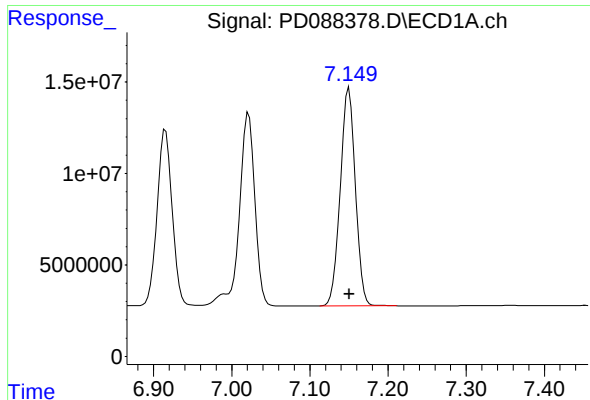
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 128992020
Conc: 55.89 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 656534925
Conc: 49.36 ng/ml



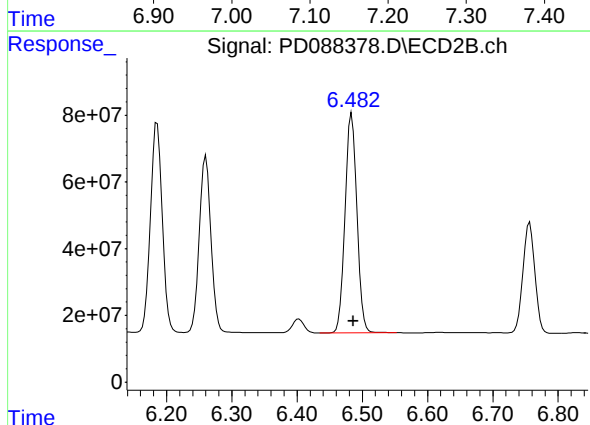
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.000 min
Response: 160345992
Conc: 55.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

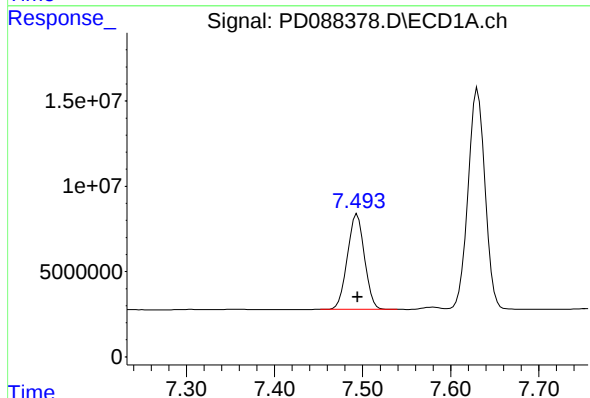
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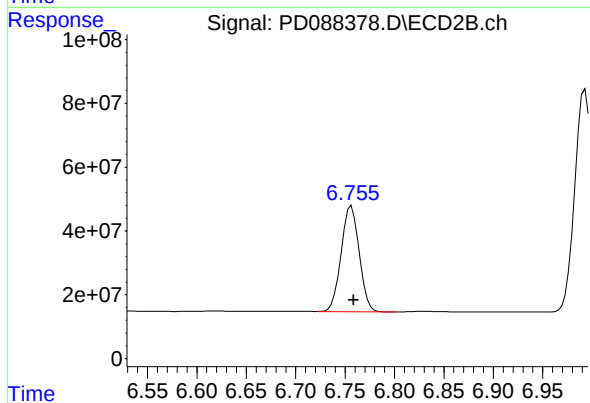
#19 Endosulfan Sulfate

R.T.: 6.484 min
Delta R.T.: -0.002 min
Response: 833103181
Conc: 48.62 ng/ml



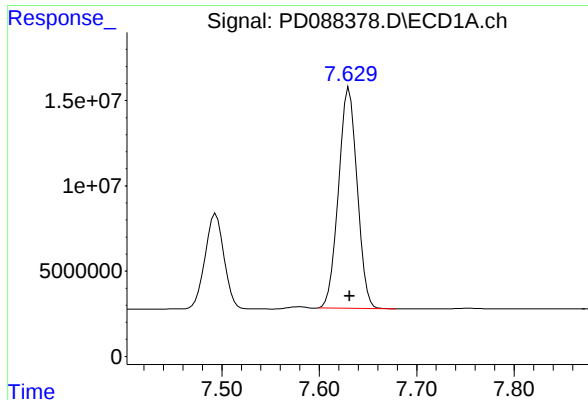
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.000 min
Response: 75400976
Conc: 50.28 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.002 min
Response: 420138060
Conc: 46.06 ng/ml



#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.000 min
Response: 171662760
Conc: 55.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

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Supervised By :mohammad ahmed 05/05/2025

#21 Endrin ketone

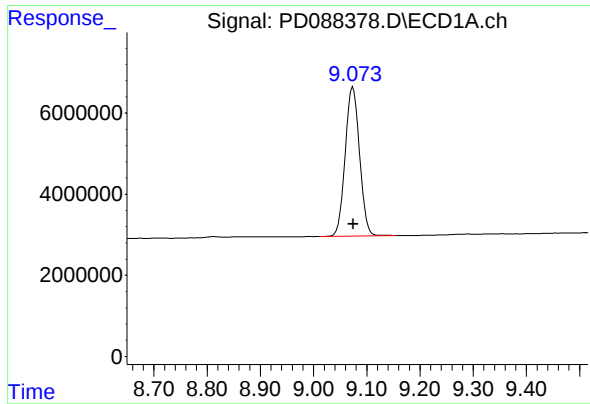
R.T.: 6.993 min
Delta R.T.: -0.002 min
Response: 911142113
Conc: 48.71 ng/ml

#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 122831393
Conc: 52.31 ng/ml

#22 Mirex

R.T.: 7.188 min
Delta R.T.: -0.002 min
Response: 685998920
Conc: 46.29 ng/ml



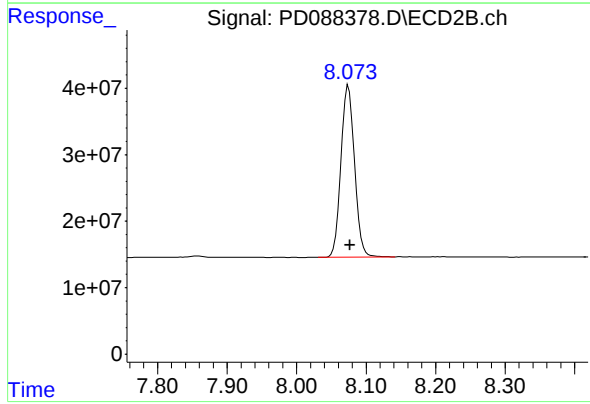
#28 Decachlorobiphenyl

R.T.: 9.074 min
Delta R.T.: 0.000 min
Response: 68849811
Conc: 20.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
B-167-SB01MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/02/2025
Supervised By :mohammad ahmed 05/05/2025



#28 Decachlorobiphenyl

R.T.: 8.075 min
Delta R.T.: -0.002 min
Response: 350724966
Conc: 18.98 ng/ml