

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
 Data File : PD088418.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 May 2025 11:21
 Operator : AR\AJ
 Sample : Q1929-03MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 WC-A4-02-CMSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/06/2025
 Supervised By : mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 06 01:41:09 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...	3.550	2.882	37793054	230.3E6	18.921	15.752
28) SA Decachlor...	9.072	8.074	73808903	371.7E6	22.312	20.116
Target Compounds						
2) A alpha-BHC	4.000	3.394	233.2E6	1084.2E6	54.074	47.426
3) MA gamma-BHC...	4.330	3.731	231.0E6	966.8E6	55.169	44.886
4) MA Heptachlor	4.930	4.083	221.2E6	991.5E6	54.757	46.337m
5) MB Aldrin	5.270	4.369	221.4E6	1000.4E6	56.058m	48.089m
6) B beta-BHC	4.515	4.025	72669818	444.9E6	44.764	48.077m
7) B delta-BHC	4.763	4.263	222.6E6	966.0E6	53.971	45.432
8) B Heptachlo...	5.690	4.874	202.8E6	925.6E6	56.756	48.988
9) A Endosulfan I	6.074	5.248	146.2E6	650.9E6	43.296	36.135
10) B gamma-Chl...	5.946	5.127	207.1E6	998.8E6	57.186	49.214
11) B alpha-Chl...	6.027	5.191	205.8E6	958.6E6	57.022	48.901
12) B 4,4'-DDE	6.195	5.377	180.3E6	950.1E6	54.660	48.243
13) MA Dieldrin	6.347	5.515	209.0E6	997.7E6	58.570	50.051
14) MA Endrin	6.574	5.790	169.4E6	876.2E6	56.788	48.139
15) B Endosulfa...	6.785	6.081	100.2E6	523.8E6	32.066	29.894
16) A 4,4'-DDD	6.704	5.929	150.4E6	1003.3E6	59.809	61.227m
17) MA 4,4'-DDT	7.020	6.185	140.9E6	780.6E6	50.746	45.871
18) B Endrin al...	6.914	6.260	132.4E6	655.3E6	57.347	49.267
19) B Endosulfa...	7.148	6.483	164.9E6	833.1E6	57.349	48.626
20) A Methoxychlor	7.492	6.756	76517867	404.9E6	51.027	44.391
21) B Endrin ke...	7.629	6.992	176.8E6	921.6E6	57.272	49.272
22) Mirex	8.113	7.186	128.0E6	699.6E6	54.501	47.206

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD050525\
Data File : PD088418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 05 May 2025 11:21
Operator : AR\AJ
Sample : Q1929-03MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

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Manual Integrations

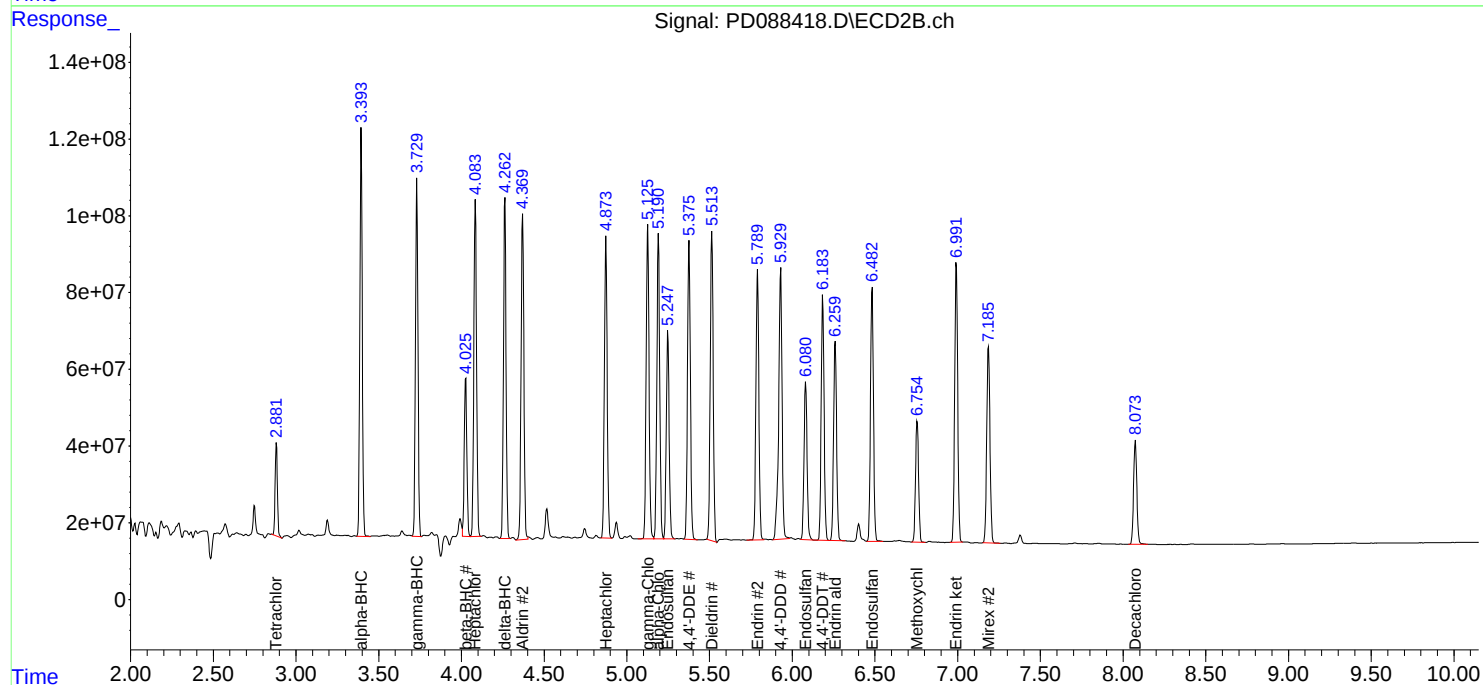
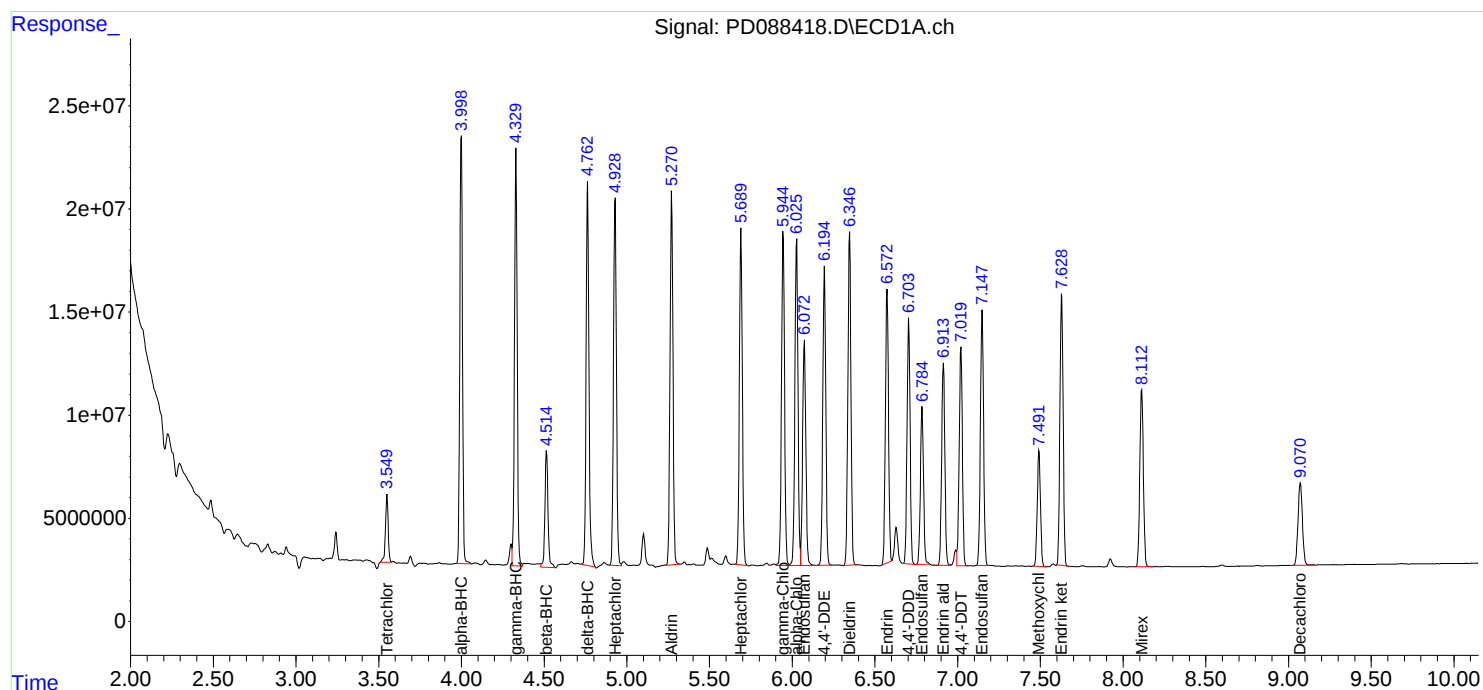
APPROVED

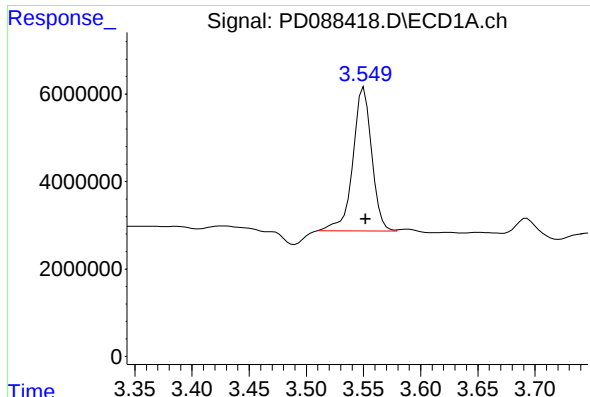
Reviewed By :Abdul Mirza 05/06/2025

Supervised By :mohammad ahmed 05/07/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: May 06 01:41:09 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





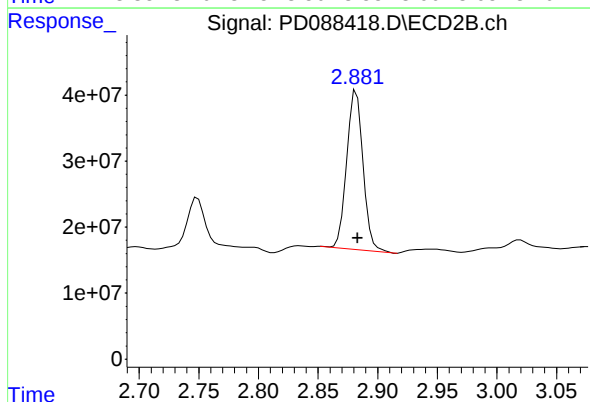
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: -0.002 min
Response: 37793054
Conc: 18.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

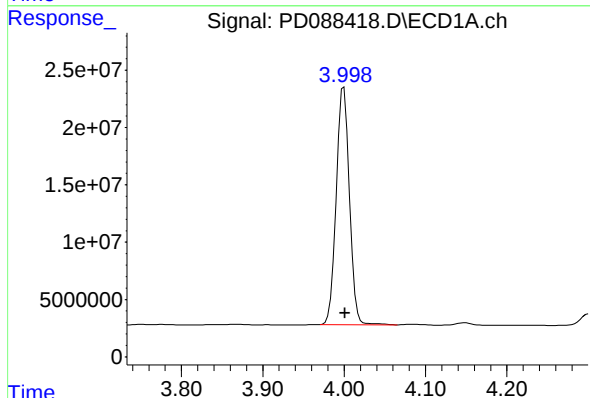
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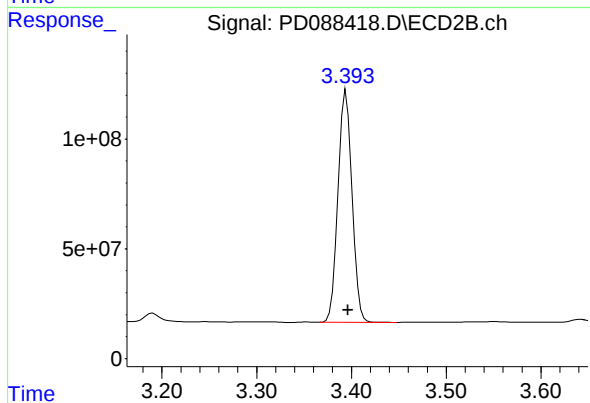
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 230325895
Conc: 15.75 ng/ml



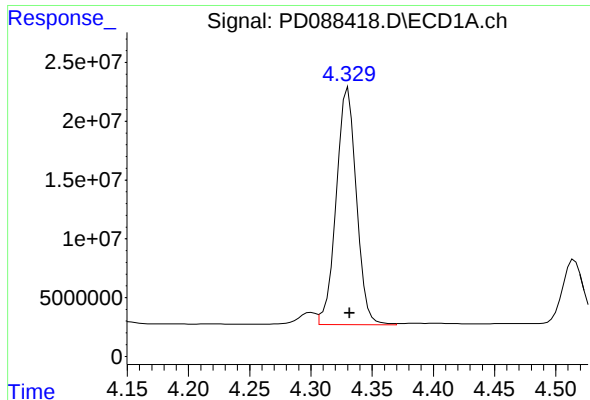
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: -0.001 min
Response: 233167299
Conc: 54.07 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: -0.002 min
Response: 1084240314
Conc: 47.43 ng/ml



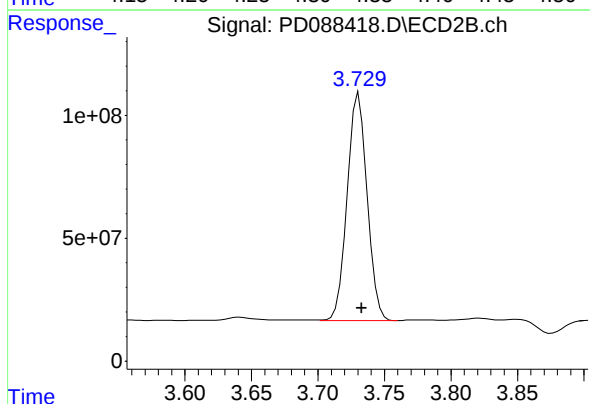
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: -0.001 min
Response: 231022016
Conc: 55.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

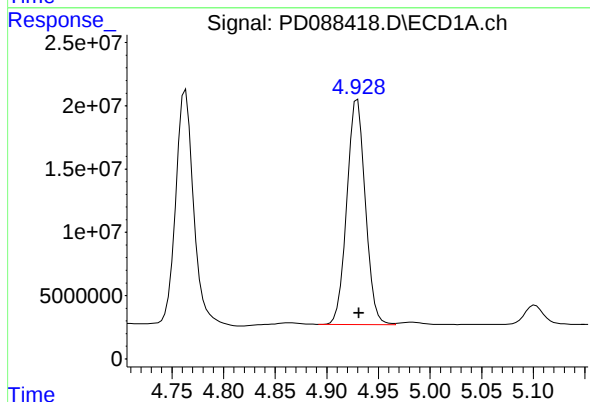
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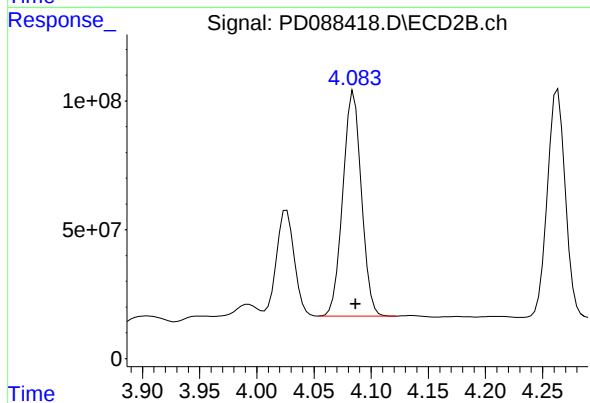
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: -0.002 min
Response: 966784992
Conc: 44.89 ng/ml



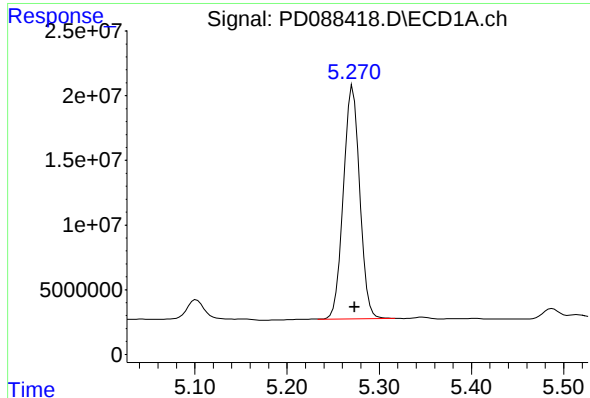
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: -0.002 min
Response: 221160407
Conc: 54.76 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: -0.003 min
Response: 991515580
Conc: 46.34 ng/ml m



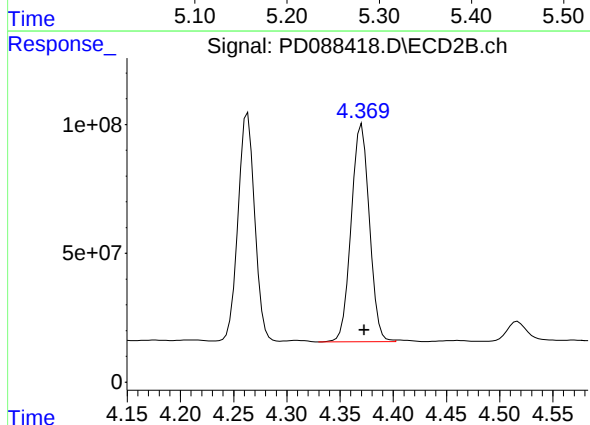
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.003 min
Response: 221403981
Conc: 56.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

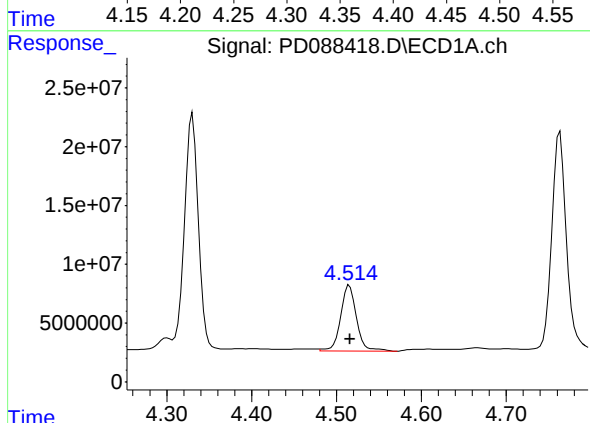
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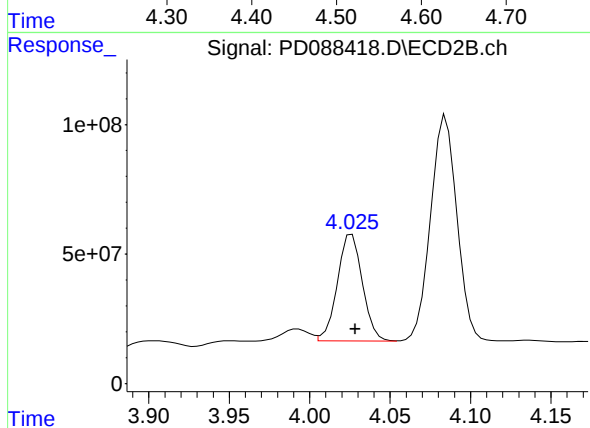
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: -0.004 min
Response: 1000388658
Conc: 48.09 ng/ml



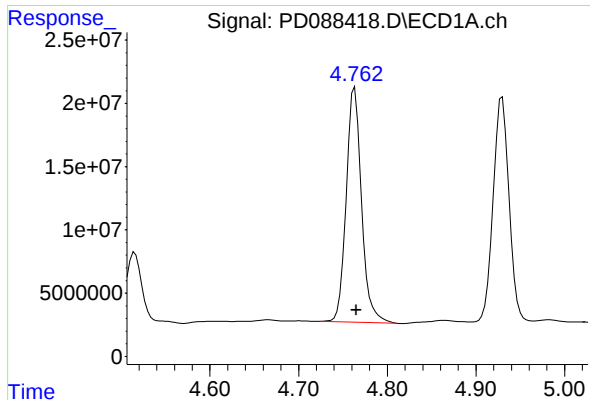
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 72669818
Conc: 44.76 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 444910233
Conc: 48.08 ng/ml



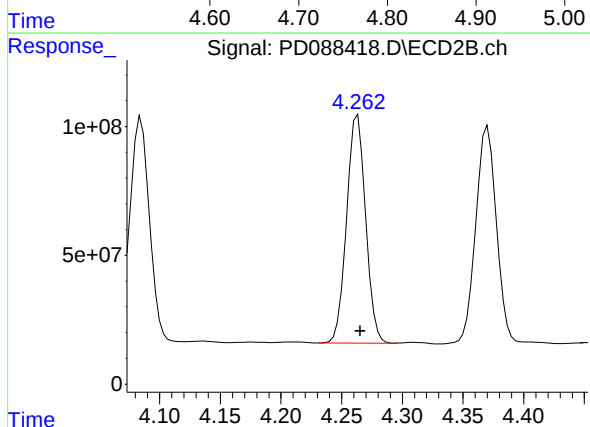
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: -0.002 min
Response: 222628909
Conc: 53.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

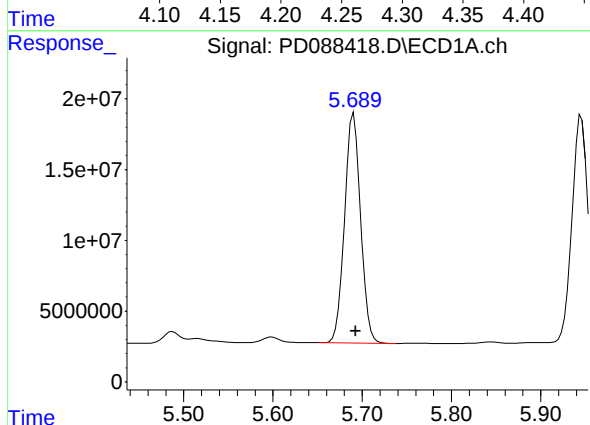
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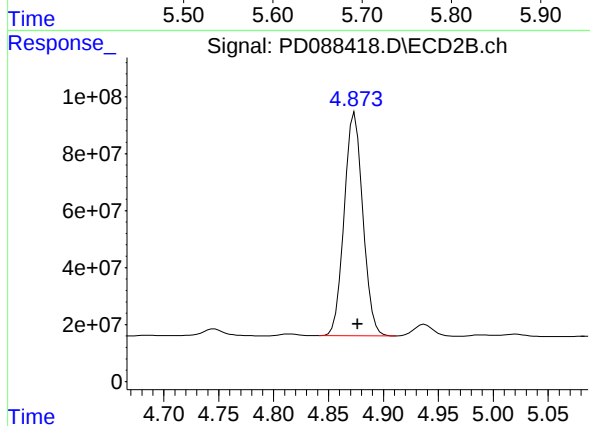
#7 delta-BHC

R.T.: 4.263 min
Delta R.T.: -0.002 min
Response: 965951209
Conc: 45.43 ng/ml



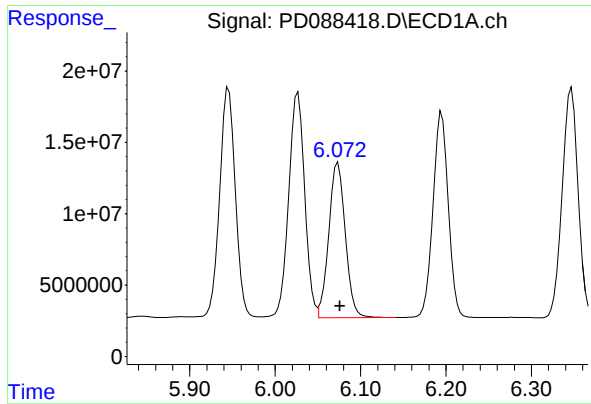
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.002 min
Response: 202842393
Conc: 56.76 ng/ml



#8 Heptachlor epoxide

R.T.: 4.874 min
Delta R.T.: -0.003 min
Response: 925598835
Conc: 48.99 ng/ml



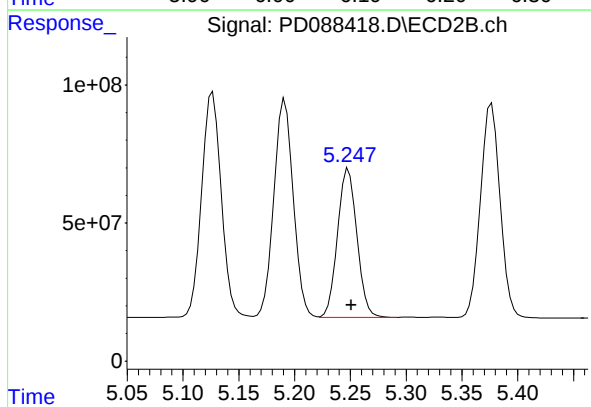
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 146215773
Conc: 43.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

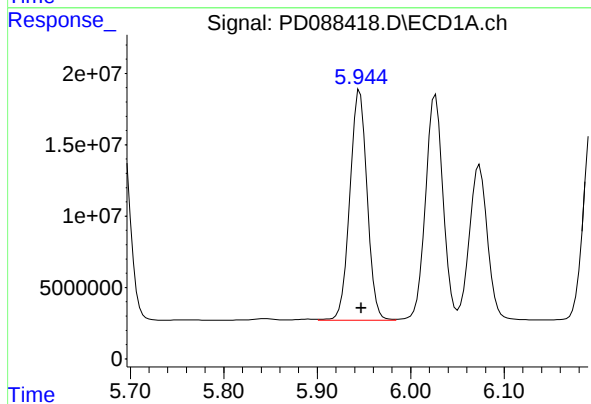
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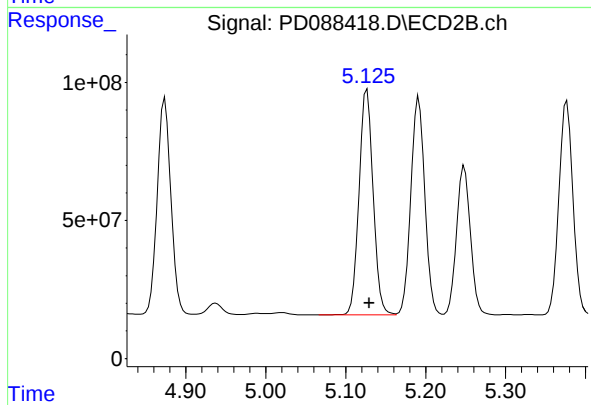
#9 Endosulfan I

R.T.: 5.248 min
Delta R.T.: -0.003 min
Response: 650875325
Conc: 36.13 ng/ml



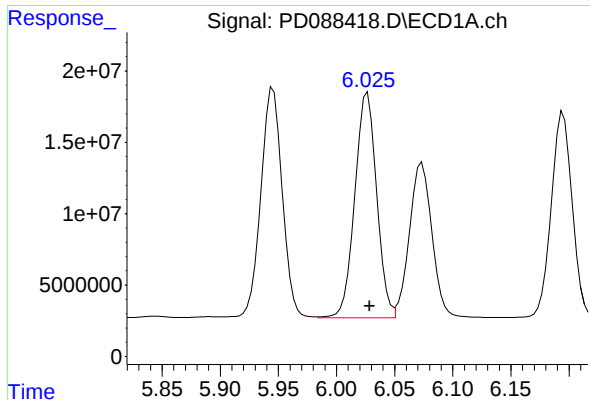
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: -0.002 min
Response: 207131705
Conc: 57.19 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: -0.003 min
Response: 998846865
Conc: 49.21 ng/ml



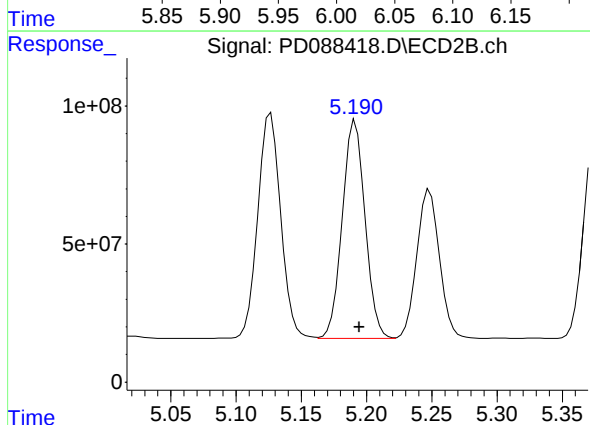
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: -0.002 min
Response: 205823482
Conc: 57.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

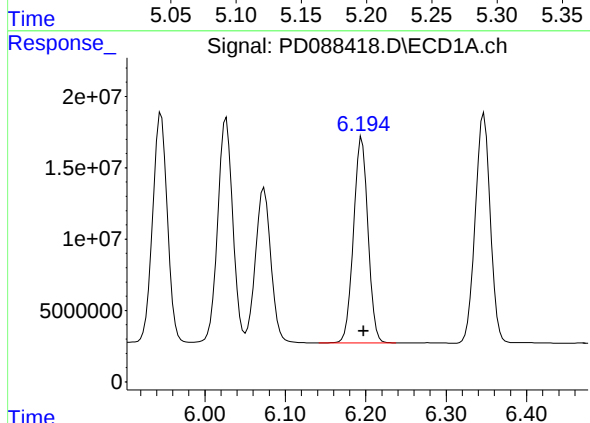
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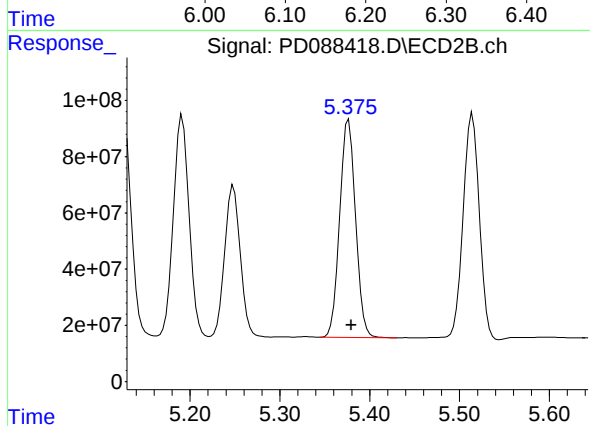
#11 alpha-Chlordane

R.T.: 5.191 min
Delta R.T.: -0.003 min
Response: 958588245
Conc: 48.90 ng/ml



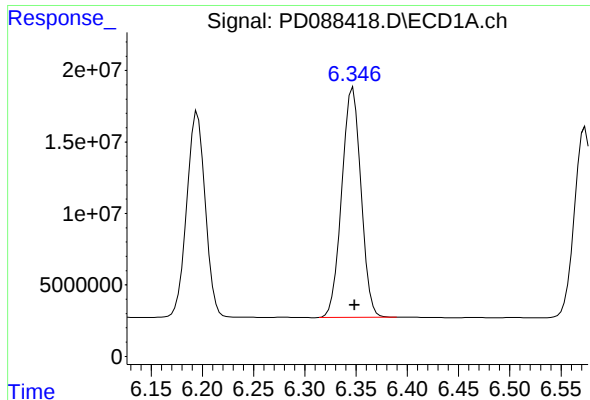
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: -0.002 min
Response: 180280964
Conc: 54.66 ng/ml



#12 4,4'-DDE

R.T.: 5.377 min
Delta R.T.: -0.003 min
Response: 950095472
Conc: 48.24 ng/ml



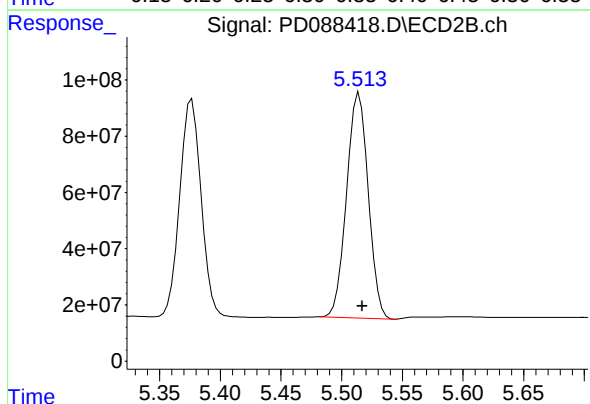
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: -0.002 min
Response: 209007757
Conc: 58.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

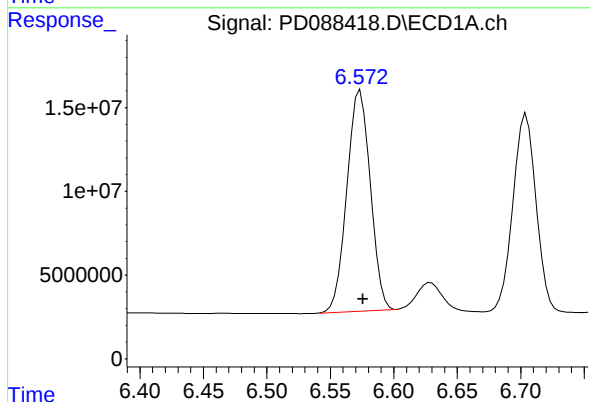
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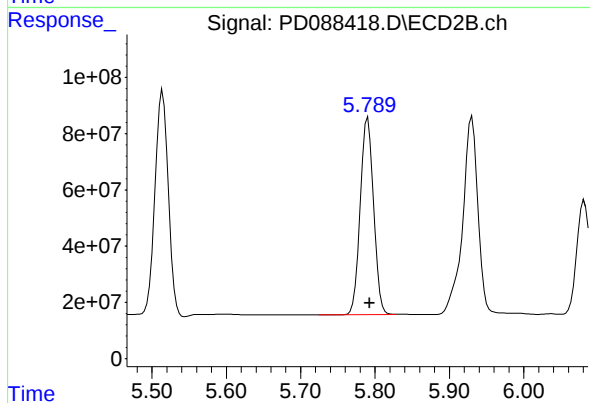
#13 Dieldrin

R.T.: 5.515 min
Delta R.T.: -0.002 min
Response: 997652611
Conc: 50.05 ng/ml



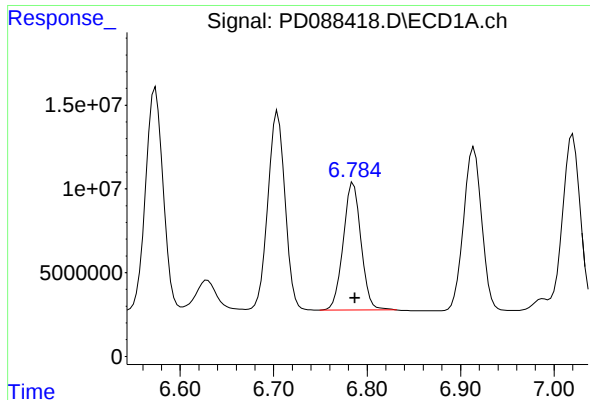
#14 Endrin

R.T.: 6.574 min
Delta R.T.: -0.002 min
Response: 169375253
Conc: 56.79 ng/ml



#14 Endrin

R.T.: 5.790 min
Delta R.T.: -0.003 min
Response: 876237642
Conc: 48.14 ng/ml



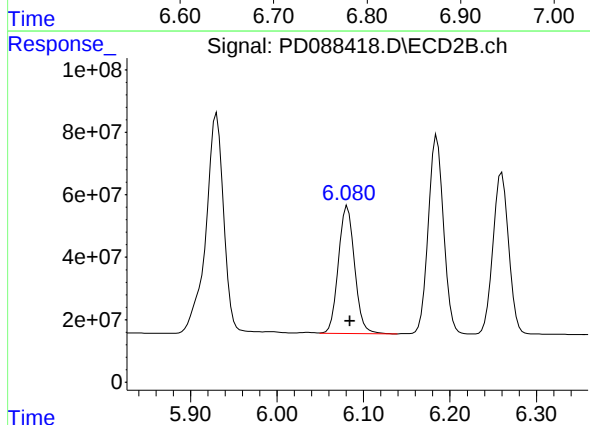
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.002 min
Response: 100246634
Conc: 32.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

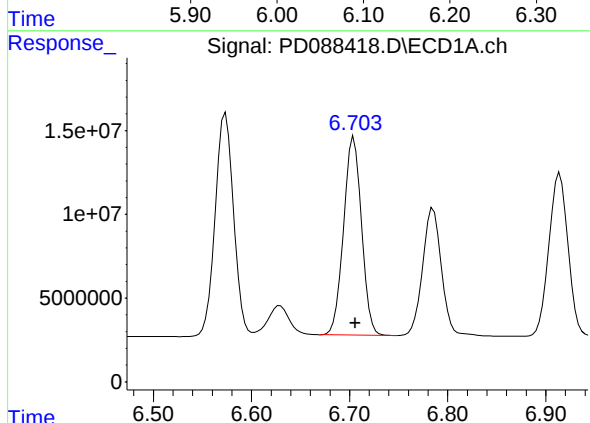
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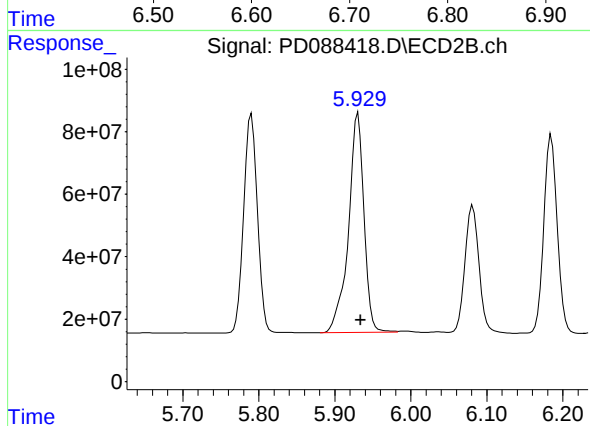
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: -0.003 min
Response: 523786269
Conc: 29.89 ng/ml



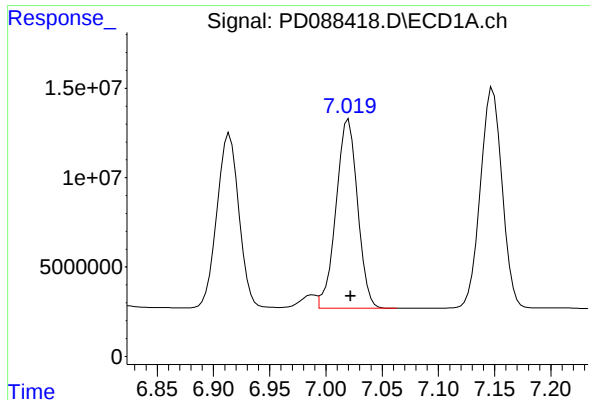
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.002 min
Response: 150417099
Conc: 59.81 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: -0.005 min
Response: 1003281942
Conc: 61.23 ng/ml m



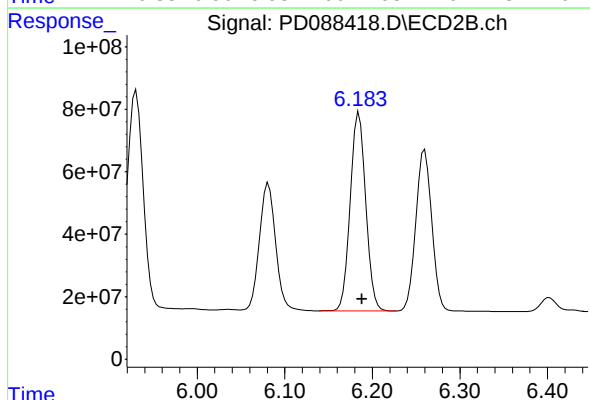
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: -0.002 min
Response: 140947983
Conc: 50.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

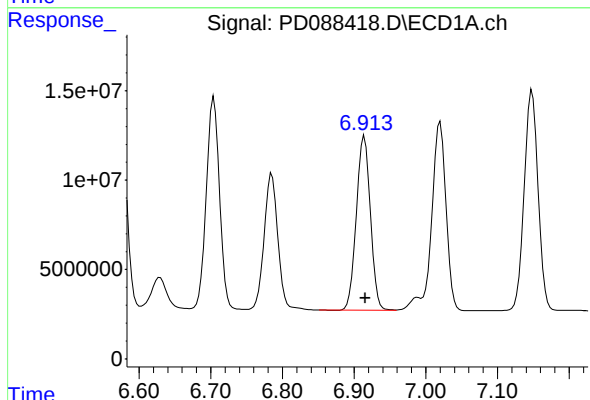
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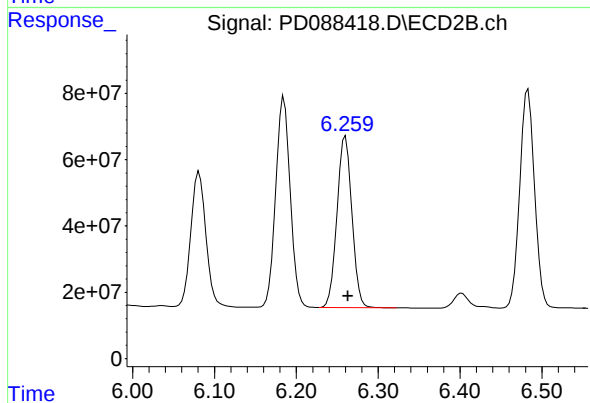
#17 4,4'-DDT

R.T.: 6.185 min
Delta R.T.: -0.003 min
Response: 780572163
Conc: 45.87 ng/ml



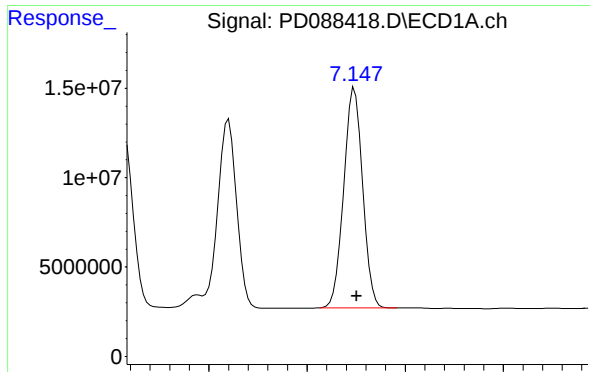
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: -0.002 min
Response: 132356218
Conc: 57.35 ng/ml



#18 Endrin aldehyde

R.T.: 6.260 min
Delta R.T.: -0.003 min
Response: 655298566
Conc: 49.27 ng/ml



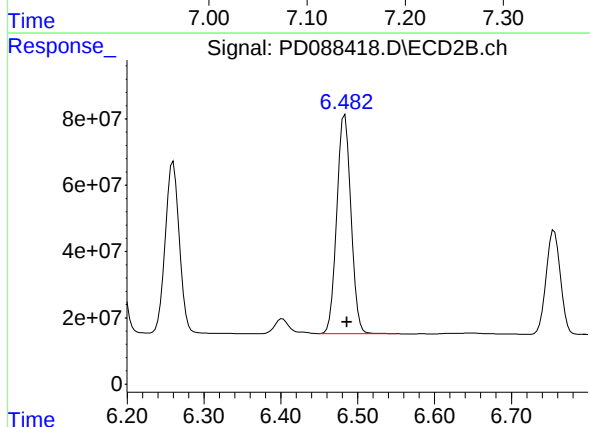
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: -0.002 min
Response: 164926401
Conc: 57.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

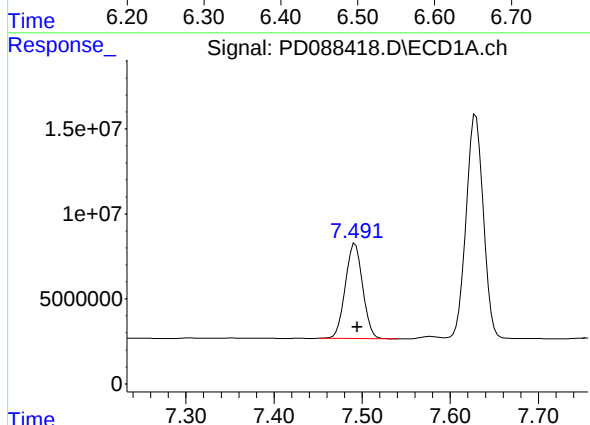
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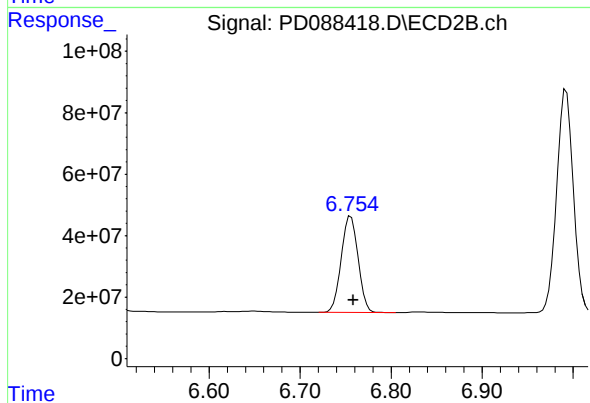
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: -0.003 min
Response: 833116732
Conc: 48.63 ng/ml



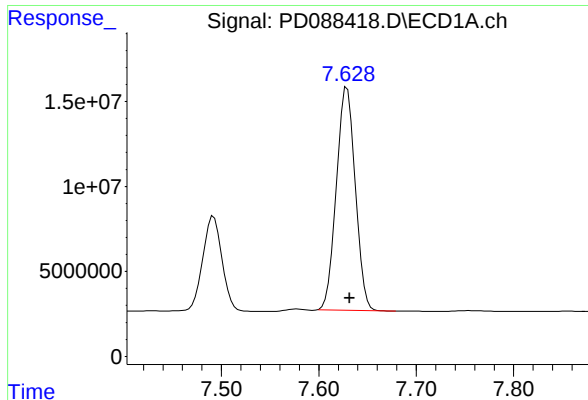
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.002 min
Response: 76517867
Conc: 51.03 ng/ml



#20 Methoxychlor

R.T.: 6.756 min
Delta R.T.: -0.003 min
Response: 404890695
Conc: 44.39 ng/ml



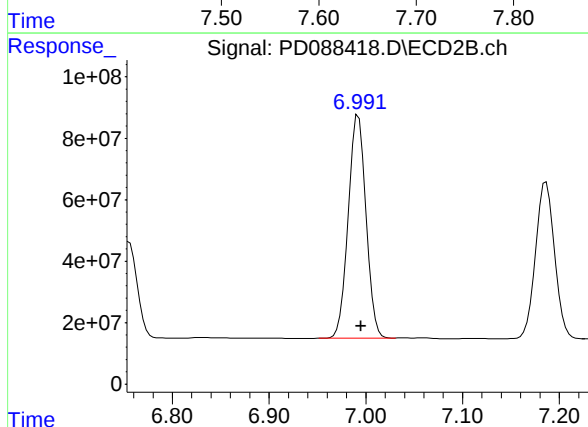
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: -0.002 min
Response: 176774106
Conc: 57.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

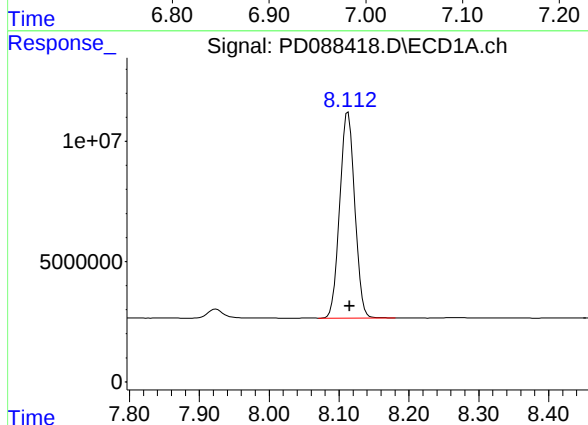
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 05/06/2025
Supervised By :mohammad ahmed 05/07/2025



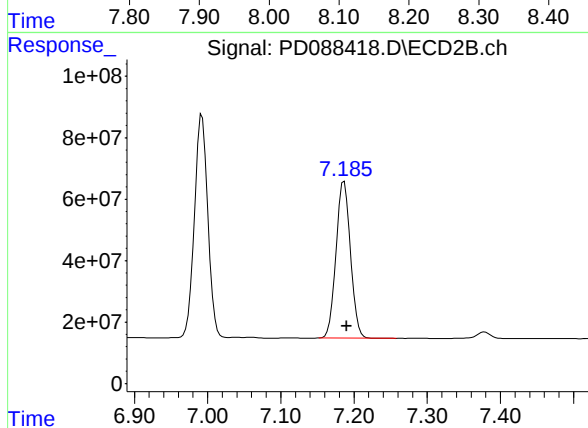
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: -0.003 min
Response: 921585135
Conc: 49.27 ng/ml



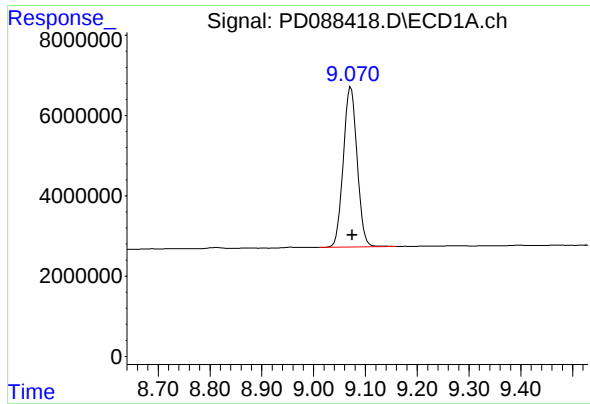
#22 Mirex

R.T.: 8.113 min
Delta R.T.: -0.002 min
Response: 127986809
Conc: 54.50 ng/ml



#22 Mirex

R.T.: 7.186 min
Delta R.T.: -0.003 min
Response: 699638491
Conc: 47.21 ng/ml



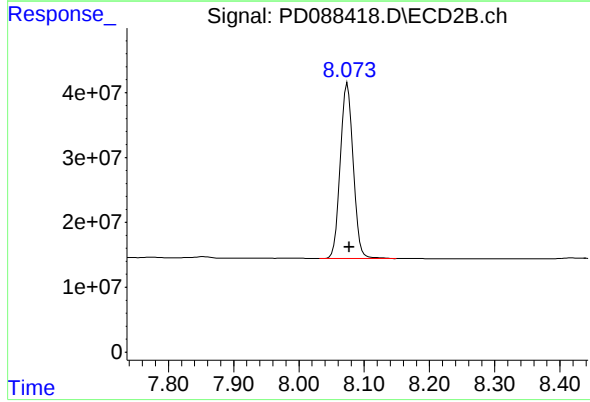
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: -0.003 min
Response: 73808903
Conc: 22.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
WC-A4-02-CMSD

Manual Integrations
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.074 min
Delta R.T.: -0.003 min
Response: 371734306
Conc: 20.12 ng/ml