

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081425\
 Data File : PD089880.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Aug 2025 12:17
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/14/2025
 Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 13 23:49:34 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 01 07:03:58 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	2.878	116.0E6	903.7E6	47.048	57.061
28) SA Decachlor...	9.078	8.070	167.0E6	1064.7E6	44.927	53.026
Target Compounds						
2) A alpha-BHC	4.004	3.391	243.1E6	1397.4E6	49.076	57.493
3) MA gamma-BHC...	4.334	3.728	229.1E6	1272.0E6	48.208m	56.473
4) MA Heptachlor	4.934	4.081	223.9E6	1287.2E6	46.531	55.460
5) MB Aldrin	5.276	4.366	215.5E6	1250.8E6	47.219	56.212
6) B beta-BHC	4.522	4.024	88415931	540.7E6	47.930	56.037
7) B delta-BHC	4.770	4.260	198.8E6	1288.6E6	43.356	56.731 #
8) B Heptachlo...	5.695	4.871	173.2E6	1145.1E6	41.436	55.723 #
9) A Endosulfan I	6.079	5.245	183.3E6	1085.9E6	46.244	55.549
10) B gamma-Chl...	5.951	5.123	194.0E6	1229.9E6	46.415	56.800
11) B alpha-Chl...	6.032	5.188	195.6E6	1182.9E6	46.523	56.809
12) B 4,4'-DDE	6.202	5.373	175.0E6	1201.7E6	46.918	56.854
13) MA Dieldrin	6.352	5.511	195.8E6	1219.5E6	46.359	56.355
14) MA Endrin	6.579	5.787	166.4E6	1120.9E6	46.516	56.254
15) B Endosulfa...	6.792	6.079	166.7E6	1049.6E6	45.440	55.831
16) A 4,4'-DDD	6.710	5.927	139.2E6	997.9E6	46.470	56.594
17) MA 4,4'-DDT	7.026	6.181	154.2E6	1072.6E6	45.878	58.378 #
18) B Endrin al...	6.920	6.257	114.9E6	726.8E6	46.058	56.249
19) B Endosulfa...	7.155	6.481	155.1E6	1009.7E6	44.706	54.387
20) A Methoxychlor	7.498	6.752	80517623	557.8E6	45.033	56.941 #
21) B Endrin ke...	7.635	6.990	163.3E6	1105.0E6	43.972	55.064 #
22) Mirex	8.118	7.183	122.6E6	845.2E6	43.962	55.526 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081425\
Data File : PD089880.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 12:17
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

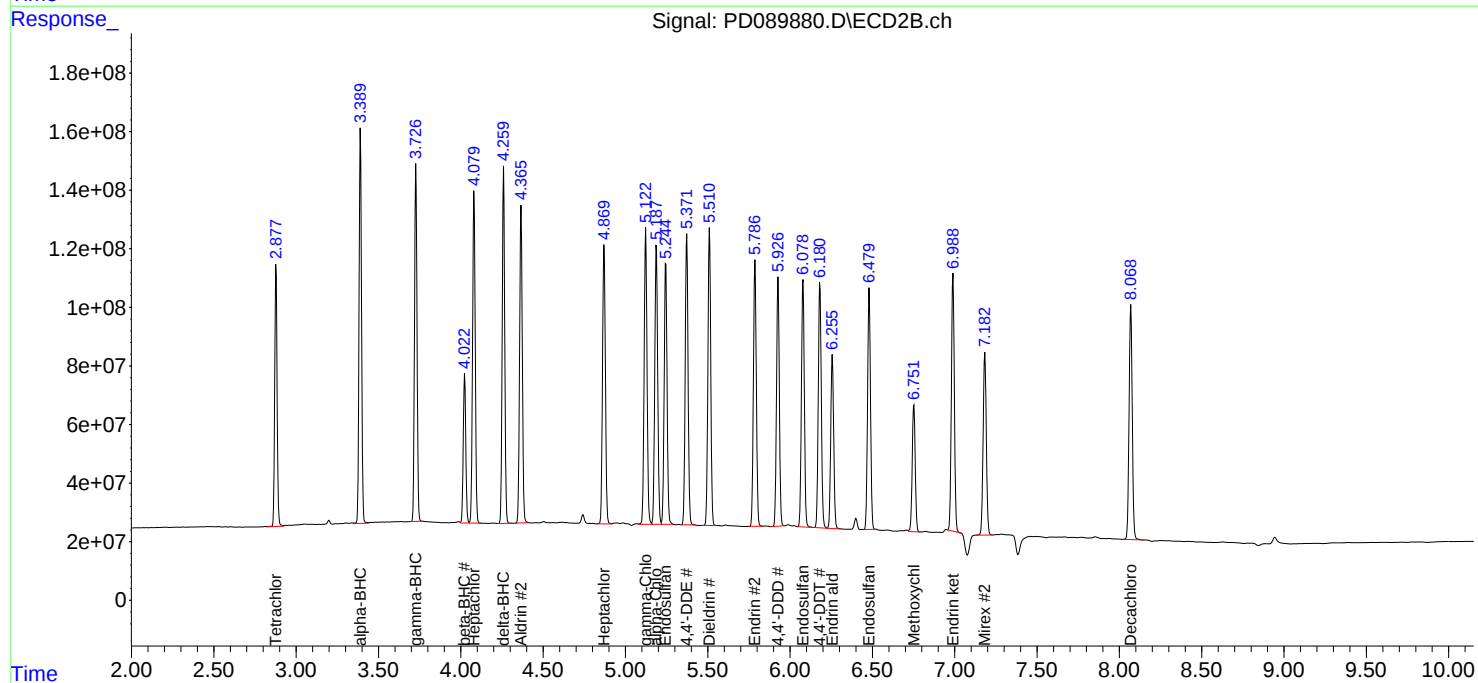
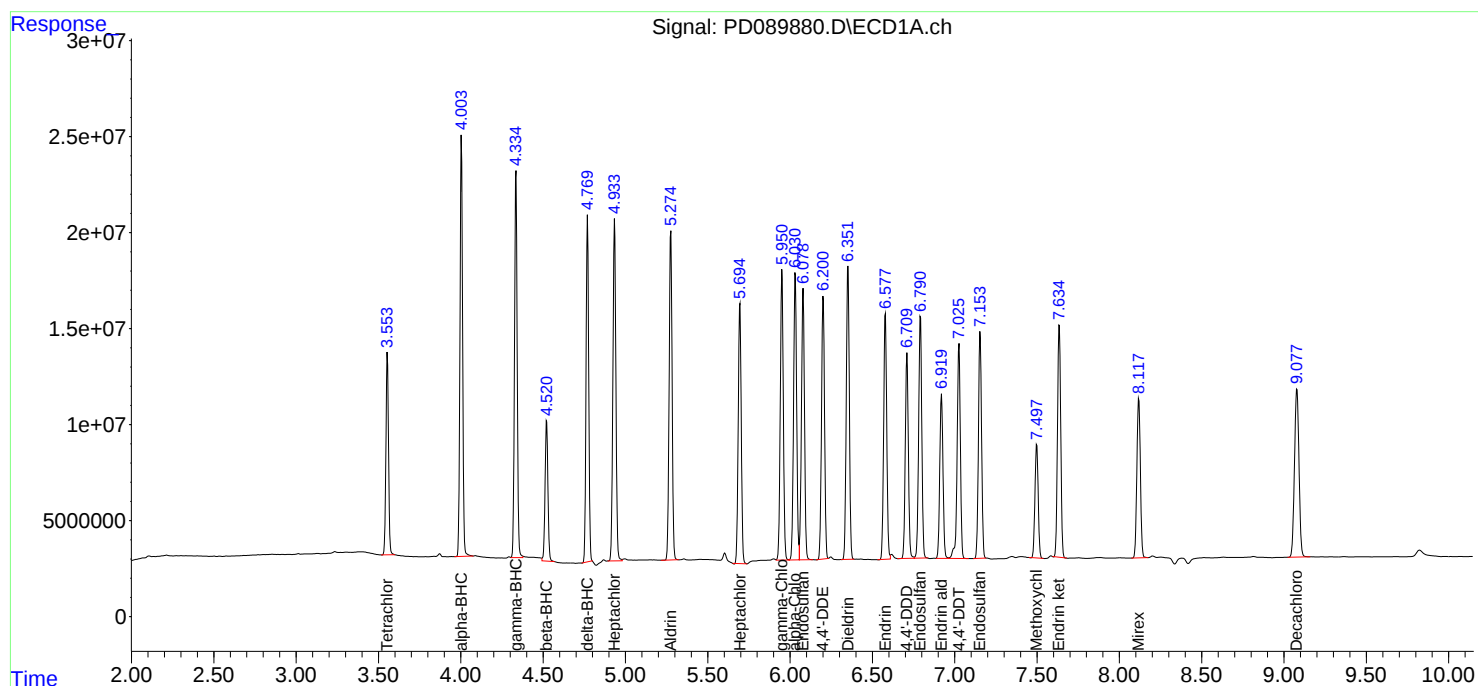
APPROVED

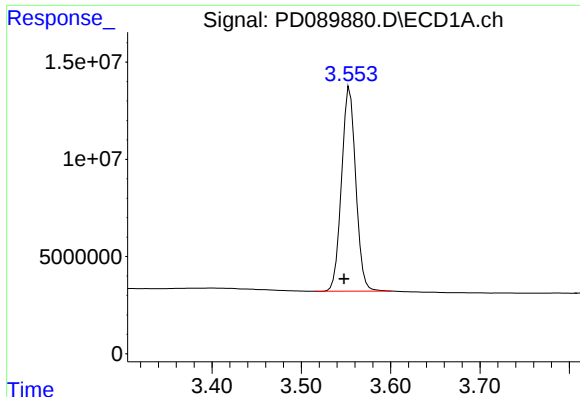
Reviewed By :Abdul Mirza 08/14/2025

Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 23:49:34 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD073125.M
Quant Title : GC Extractables
QLast Update : Fri Aug 01 07:03:58 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





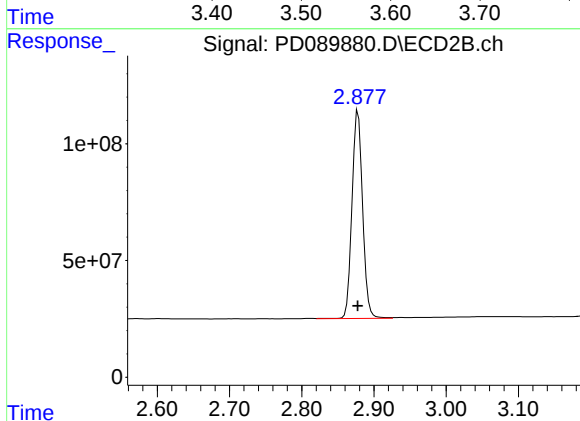
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 116047586
Conc: 47.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

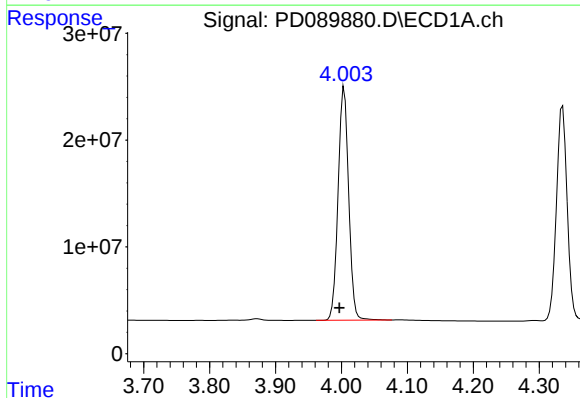
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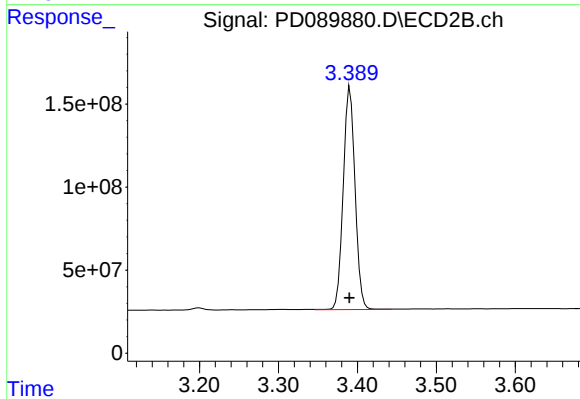
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 903723084
Conc: 57.06 ng/ml



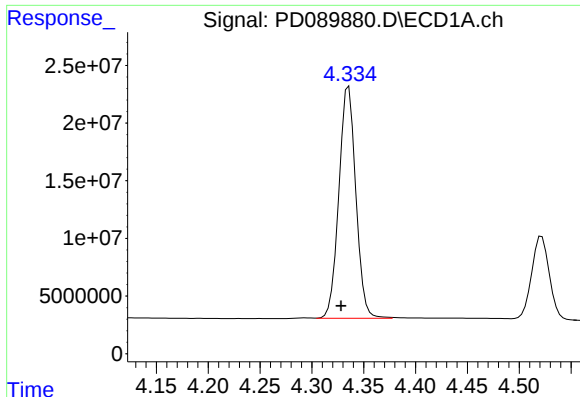
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 243101036
Conc: 49.08 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 1397354182
Conc: 57.49 ng/ml



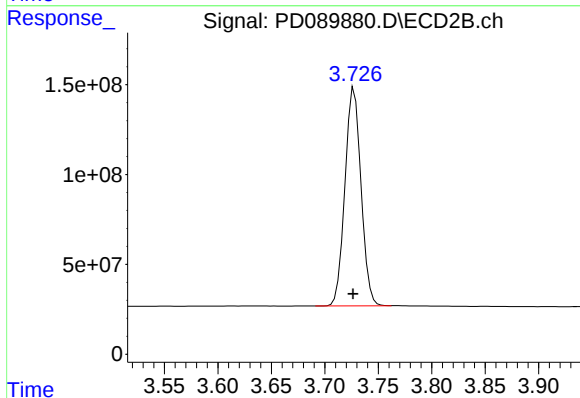
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.006 min
Response: 229103057
Conc: 48.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

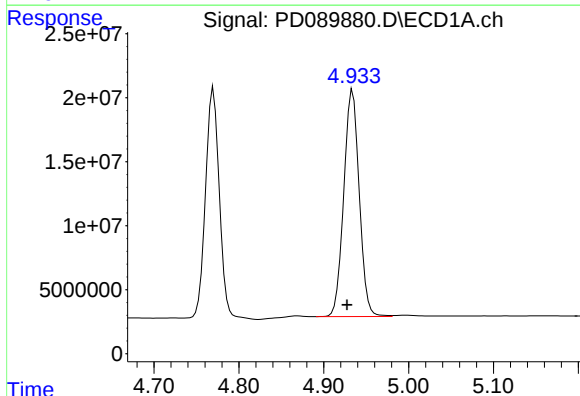
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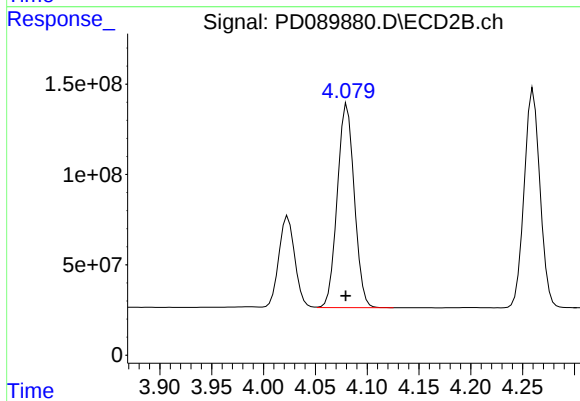
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.001 min
Response: 1271995637
Conc: 56.47 ng/ml



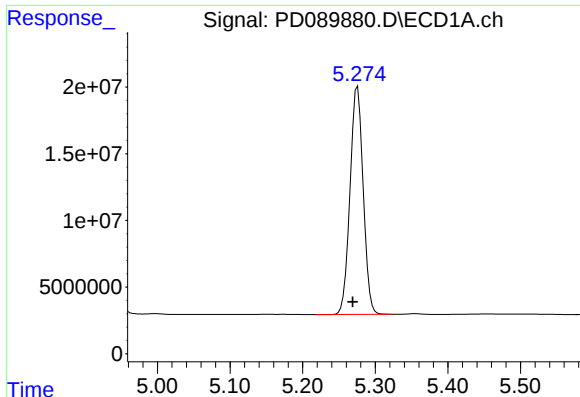
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.007 min
Response: 223882728
Conc: 46.53 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.001 min
Response: 1287190188
Conc: 55.46 ng/ml



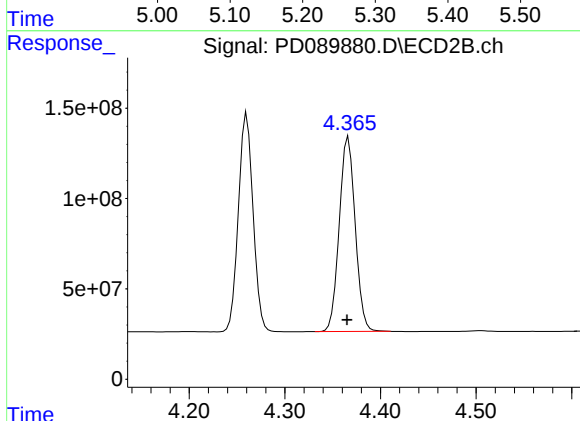
#5 Aldrin

R.T.: 5.276 min
Delta R.T.: 0.007 min
Response: 215549940
Conc: 47.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

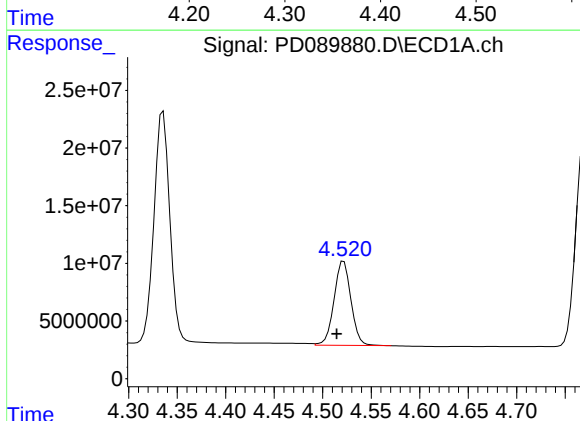
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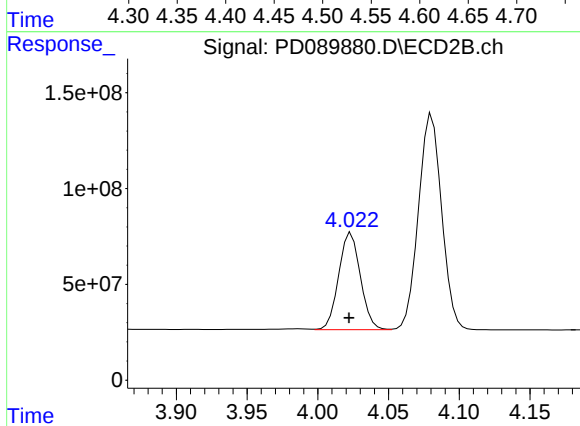
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.001 min
Response: 1250754202
Conc: 56.21 ng/ml



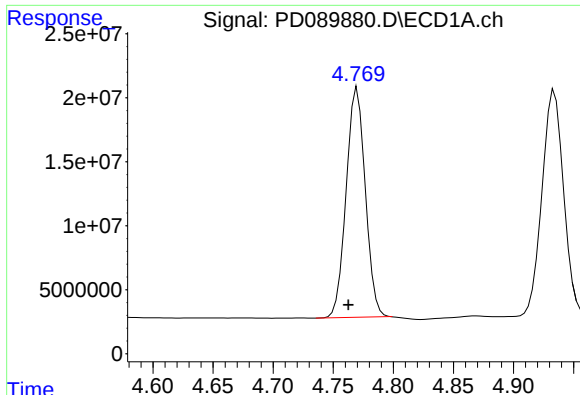
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.007 min
Response: 88415931
Conc: 47.93 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.001 min
Response: 540702464
Conc: 56.04 ng/ml



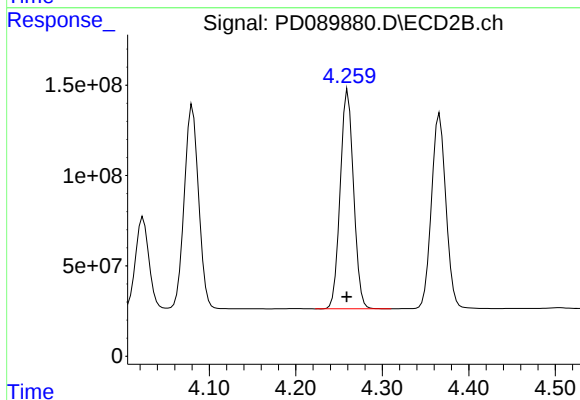
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.008 min
Response: 198838383
Conc: 43.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

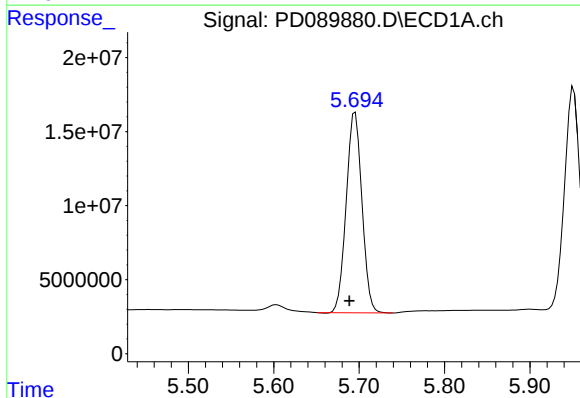
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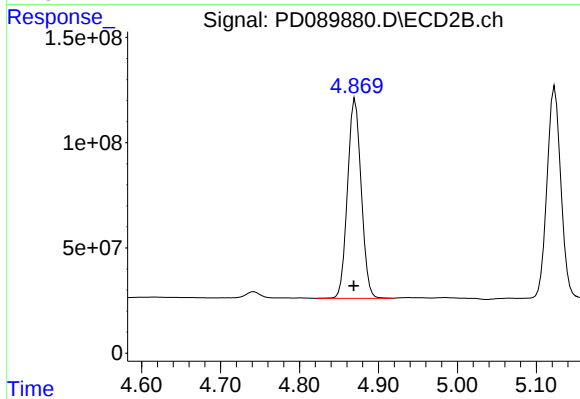
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.001 min
Response: 1288647839
Conc: 56.73 ng/ml



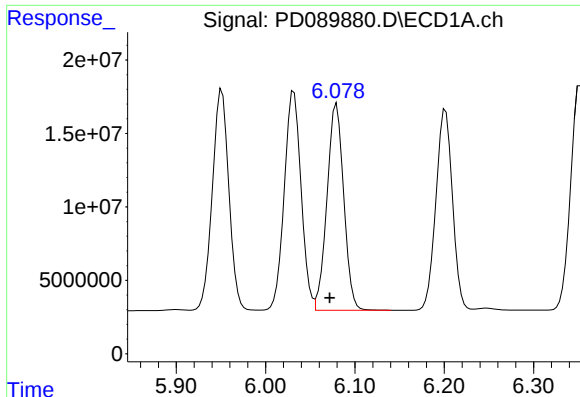
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.007 min
Response: 173231928
Conc: 41.44 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: 0.002 min
Response: 1145092117
Conc: 55.72 ng/ml



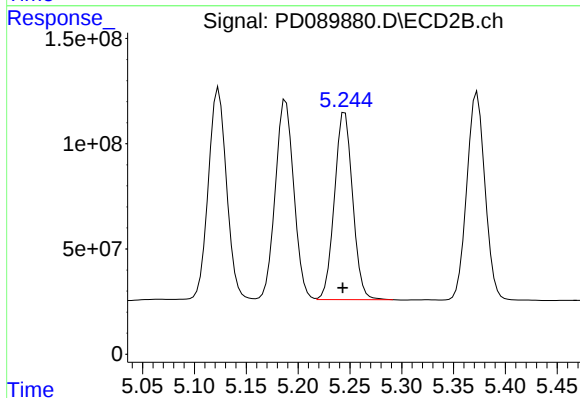
#9 Endosulfan I

R.T.: 6.079 min
Delta R.T.: 0.007 min
Response: 183291999
Conc: 46.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

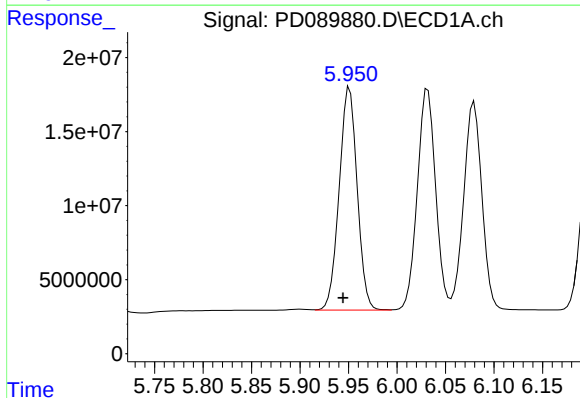
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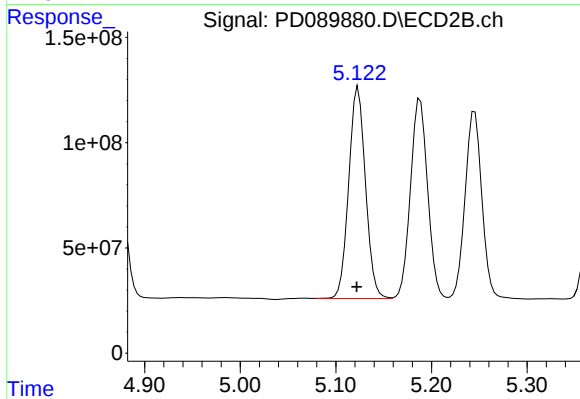
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.002 min
Response: 1085896022
Conc: 55.55 ng/ml



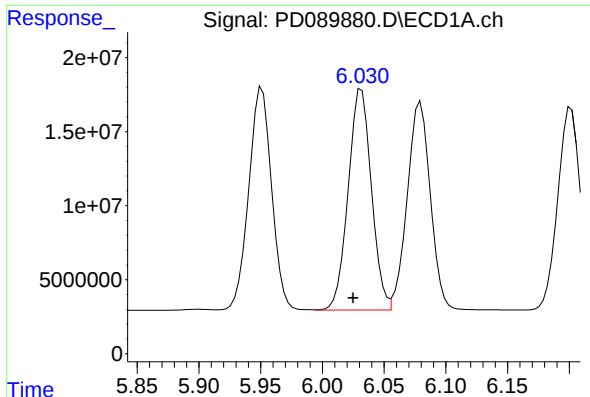
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.007 min
Response: 193973296
Conc: 46.42 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.002 min
Response: 1229914156
Conc: 56.80 ng/ml



#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.007 min
Response: 195591603
Conc: 46.52 ng/ml

Instrument :

ECD_D

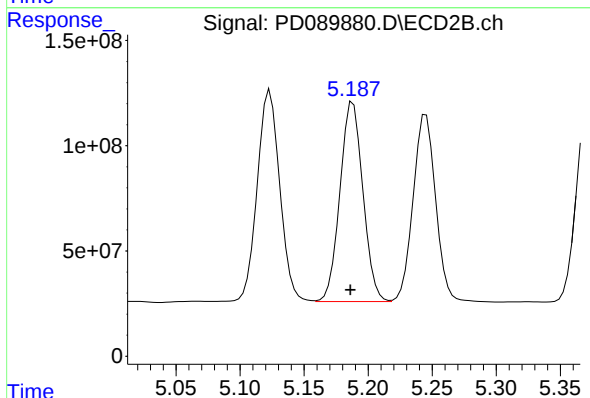
ClientSampleId :

PSTDCCC050

Manual Integrations

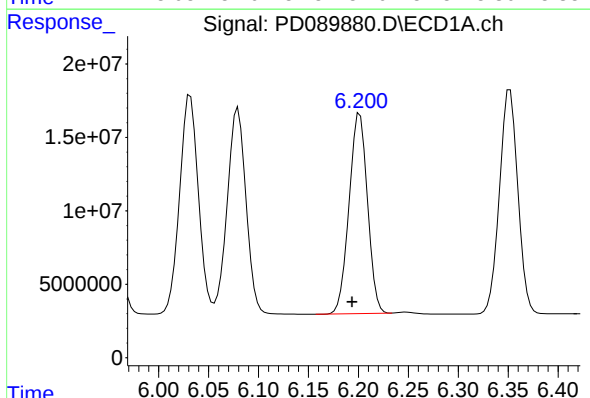
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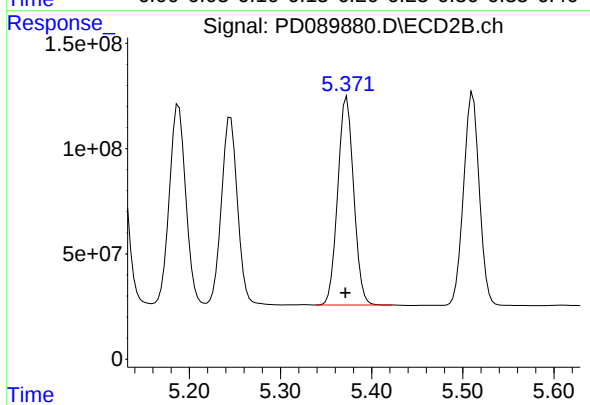
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.002 min
Response: 1182882265
Conc: 56.81 ng/ml



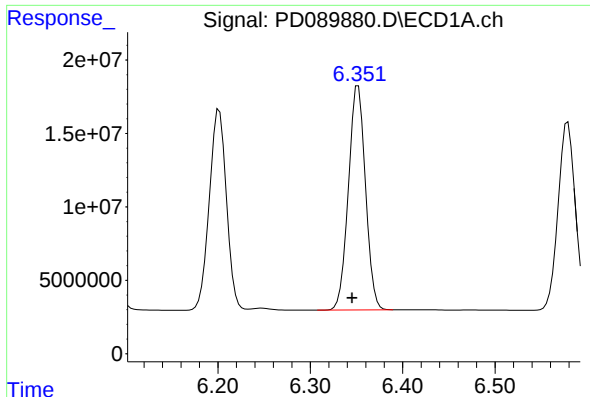
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.008 min
Response: 174993383
Conc: 46.92 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 1201725654
Conc: 56.85 ng/ml



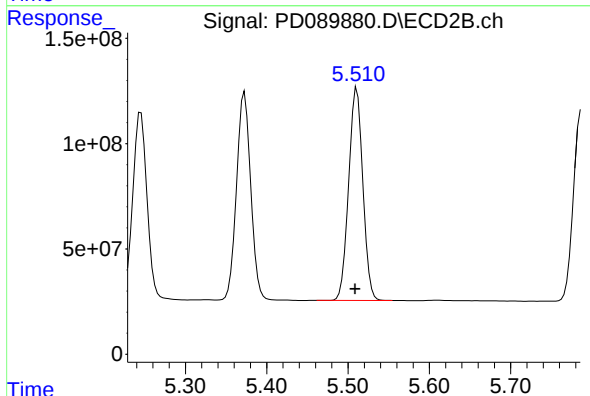
#13 Dieldrin

R.T.: 6.352 min
Delta R.T.: 0.007 min
Response: 195795327
Conc: 46.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

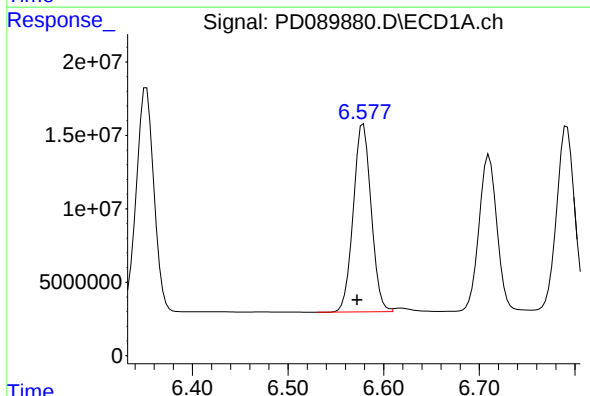
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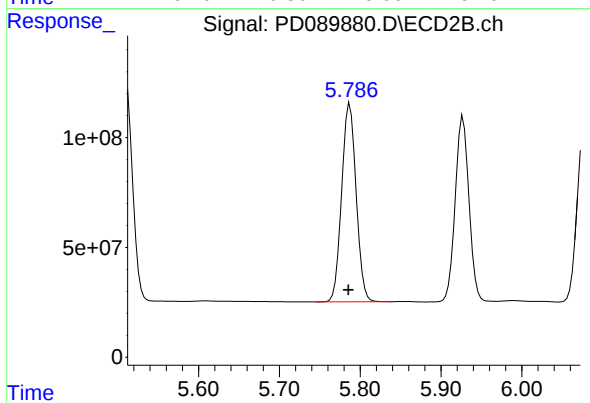
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: 0.002 min
Response: 1219463865
Conc: 56.36 ng/ml



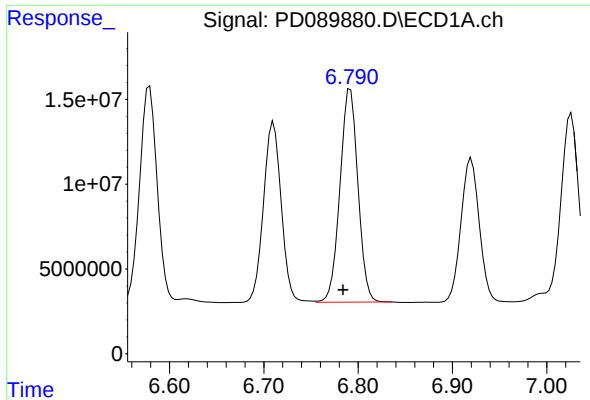
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.007 min
Response: 166420880
Conc: 46.52 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 1120860750
Conc: 56.25 ng/ml



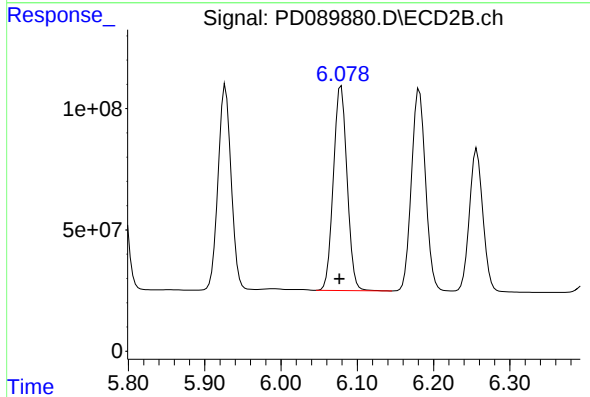
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.008 min
Response: 166738571
Conc: 45.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

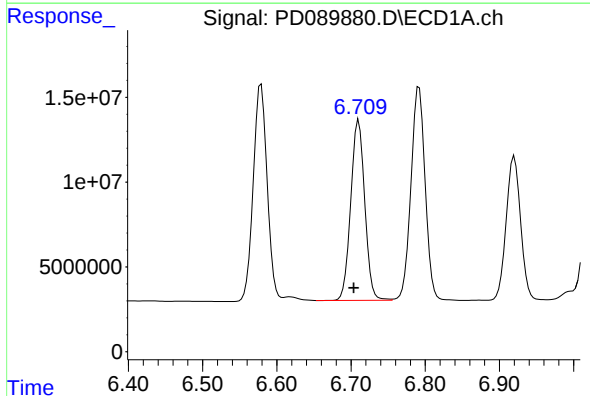
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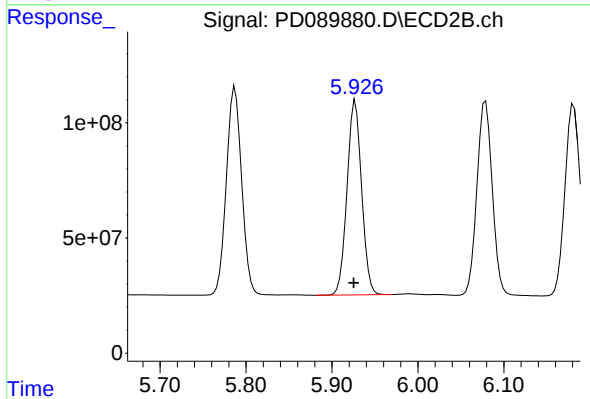
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 1049594460
Conc: 55.83 ng/ml



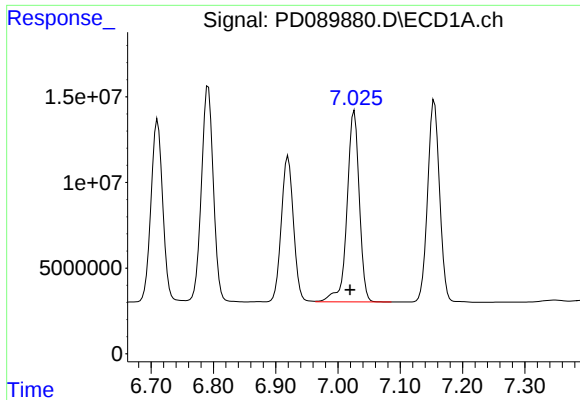
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 139170191
Conc: 46.47 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.002 min
Response: 997900042
Conc: 56.59 ng/ml



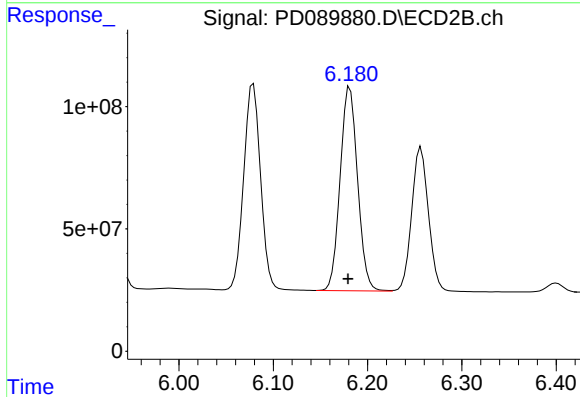
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.007 min
Response: 154162553
Conc: 45.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

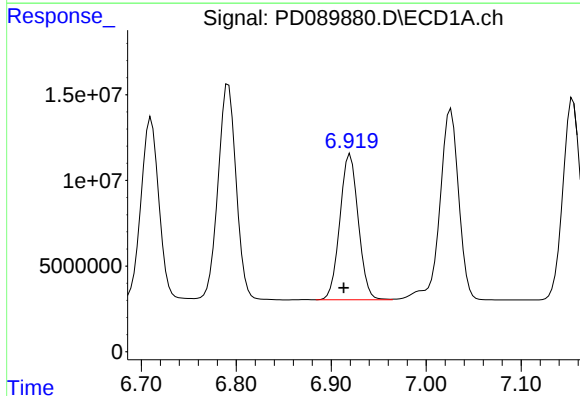
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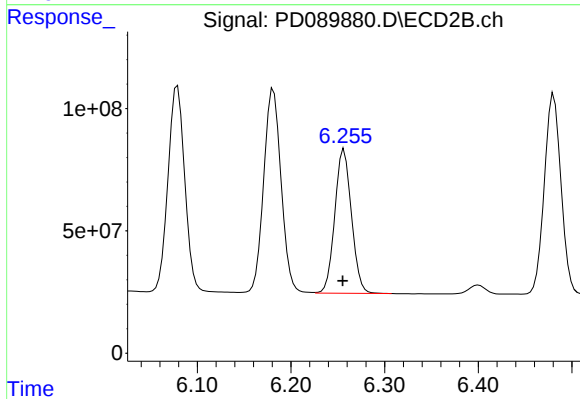
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.002 min
Response: 1072568555
Conc: 58.38 ng/ml



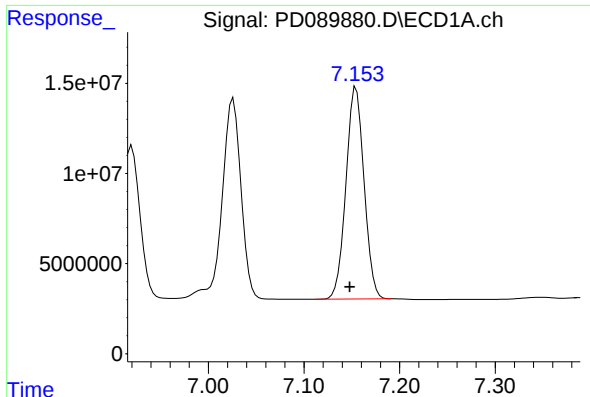
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 114941783
Conc: 46.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: 0.002 min
Response: 726760836
Conc: 56.25 ng/ml



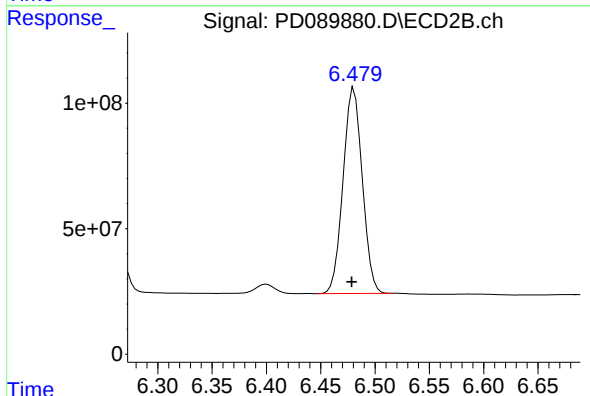
#19 Endosulfan Sulfate

R.T.: 7.155 min
Delta R.T.: 0.006 min
Response: 155131976
Conc: 44.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

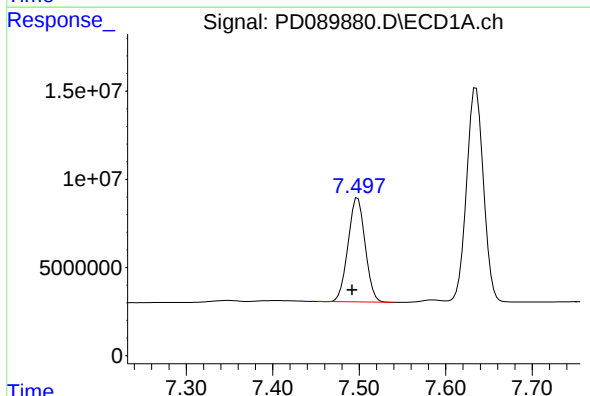
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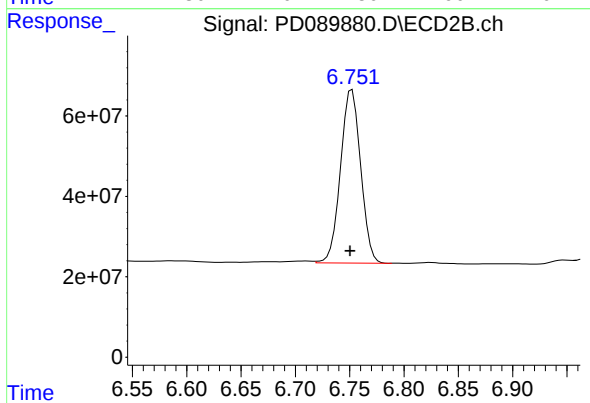
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: 0.002 min
Response: 1009735932
Conc: 54.39 ng/ml



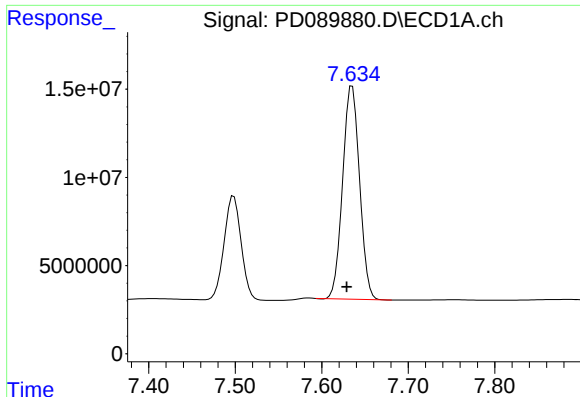
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.006 min
Response: 80517623
Conc: 45.03 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.002 min
Response: 557768291
Conc: 56.94 ng/ml



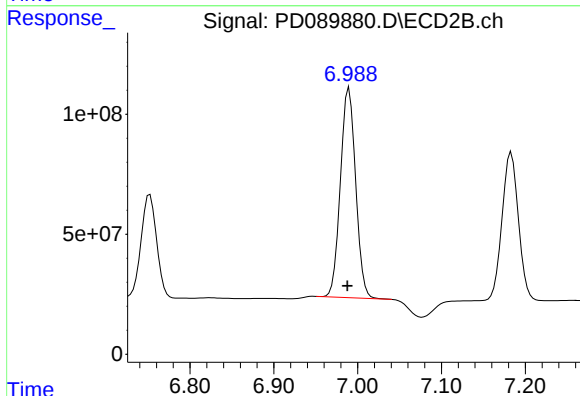
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.006 min
Response: 163317707
Conc: 43.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

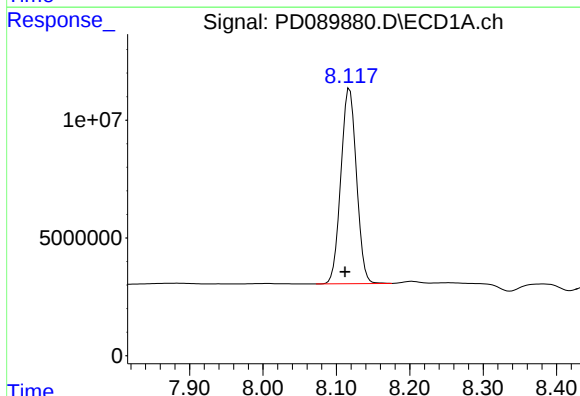
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/14/2025
Supervised By :mohammad ahmed 08/18/2025



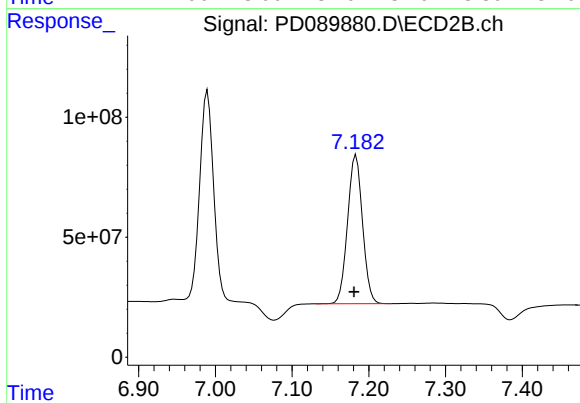
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.002 min
Response: 1105034144
Conc: 55.06 ng/ml



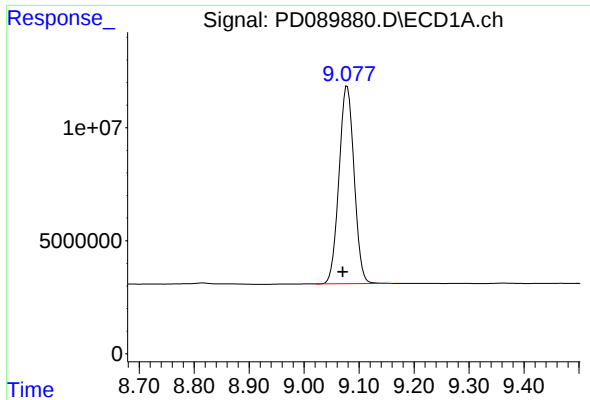
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 122578820
Conc: 43.96 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: 0.002 min
Response: 845164528
Conc: 55.53 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.008 min
Response: 166958403
Conc: 44.93 ng/ml

Instrument :

ECD_D

ClientSampleId :

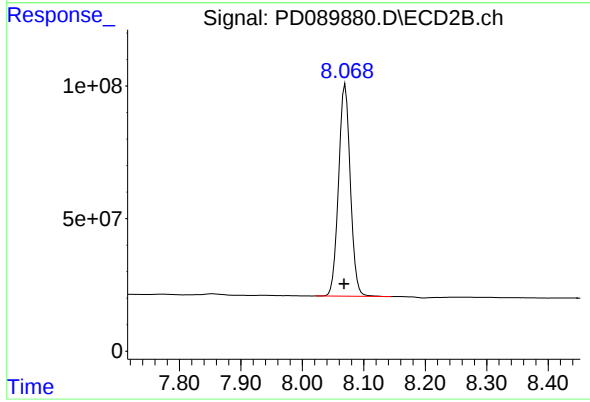
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.002 min
Response: 1064664285
Conc: 53.03 ng/ml