

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
 Data File : PD089829.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Aug 2025 19:46
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/11/2025
 Supervised By :mohammad ahmed 08/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 11 01:36:55 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...	3.547	2.878	124.5E6	904.9E6	50.487	57.133
2)	SA Decachlor...	9.067	8.066	164.6E6	918.6E6	44.282	45.751
Target Compounds							
2)	A alpha-BHC	3.996	3.390	256.4E6	1401.1E6	51.771	57.647
3)	MA gamma-BHC...	4.327	3.726	242.4E6	1289.6E6	51.014	57.256
4)	MA Heptachlor	4.926	4.079	224.3E6	1241.2E6	46.610	53.481
5)	MB Aldrin	5.267	4.365	230.3E6	1267.0E6	50.442	56.942
6)	B beta-BHC	4.513	4.022	93596272	547.5E6	50.739	56.746
7)	B delta-BHC	4.762	4.258	235.0E6	1293.4E6	51.246	56.941
8)	B Heptachlo...	5.687	4.868	203.8E6	1144.7E6	48.751	55.704
9)	A Endosulfan I	6.070	5.242	189.7E6	1026.4E6	47.868	52.507
10)	B gamma-Chl...	5.942	5.120	205.6E6	1228.3E6	49.201	56.727
11)	B alpha-Chl...	6.023	5.185	203.6E6	1171.5E6	48.424	56.261
12)	B 4,4'-DDE	6.192	5.370	178.1E6	1186.3E6	47.745	56.124
13)	MA Dieldrin	6.343	5.507	198.7E6	1201.3E6	47.042	55.514
14)	MA Endrin	6.570	5.784	156.7E6	1139.3E6	43.795	57.179 #
15)	B Endosulfa...	6.783	6.075	168.1E6	1017.8E6	45.822	54.141
16)	A 4,4'-DDD	6.702	5.923	150.8E6	1010.7E6	50.339	57.318
17)	MA 4,4'-DDT	7.016	6.178	135.4E6	889.0E6	40.288m	48.387
18)	B Endrin al...	6.911	6.253	115.1E6	696.2E6	46.106	53.887
19)	B Endosulfa...	7.145	6.477	153.9E6	960.5E6	44.362	51.735
20)	A Methoxychlor	7.489	6.748	65629351	446.4E6	36.706	45.576
21)	B Endrin ke...	7.627	6.986	164.4E6	1051.5E6	44.259	52.395
22)	Mirex	8.109	7.179	118.1E6	785.1E6	42.363	51.582

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
Data File : PD089829.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Aug 2025 19:46
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

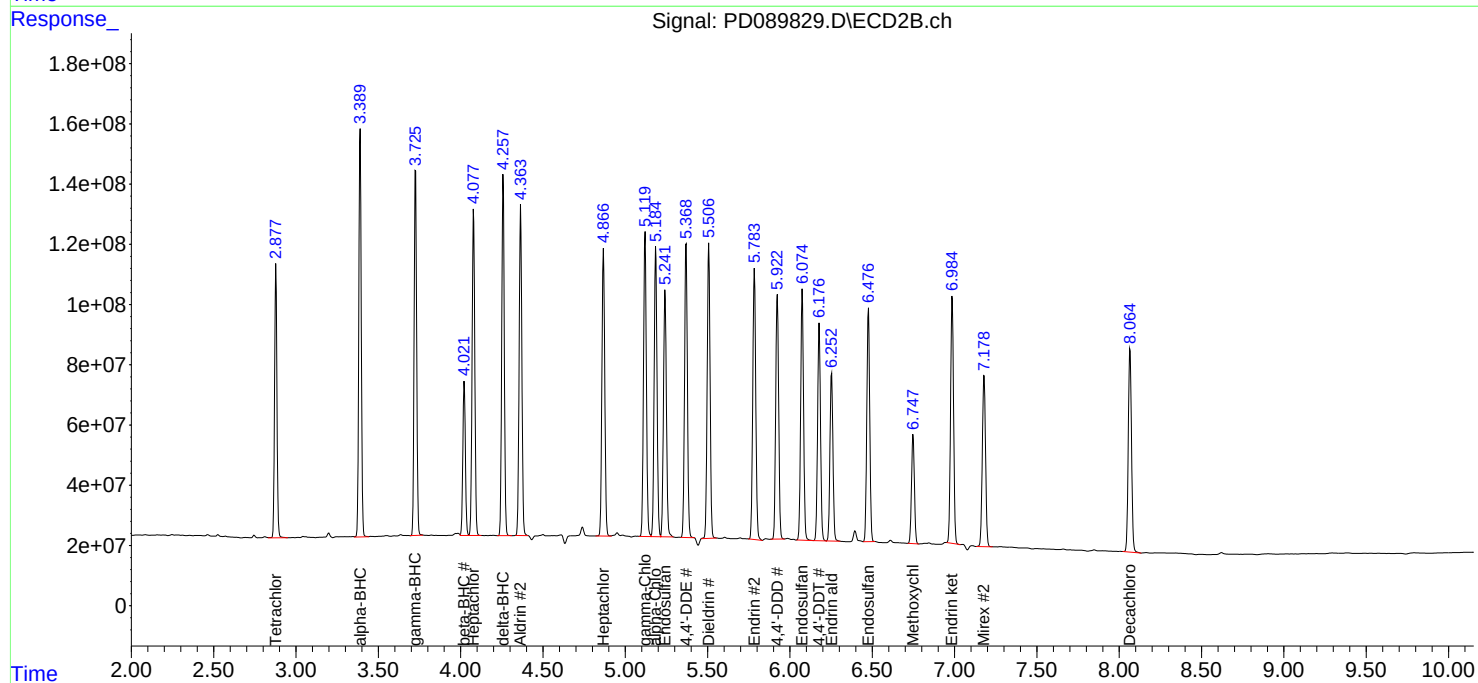
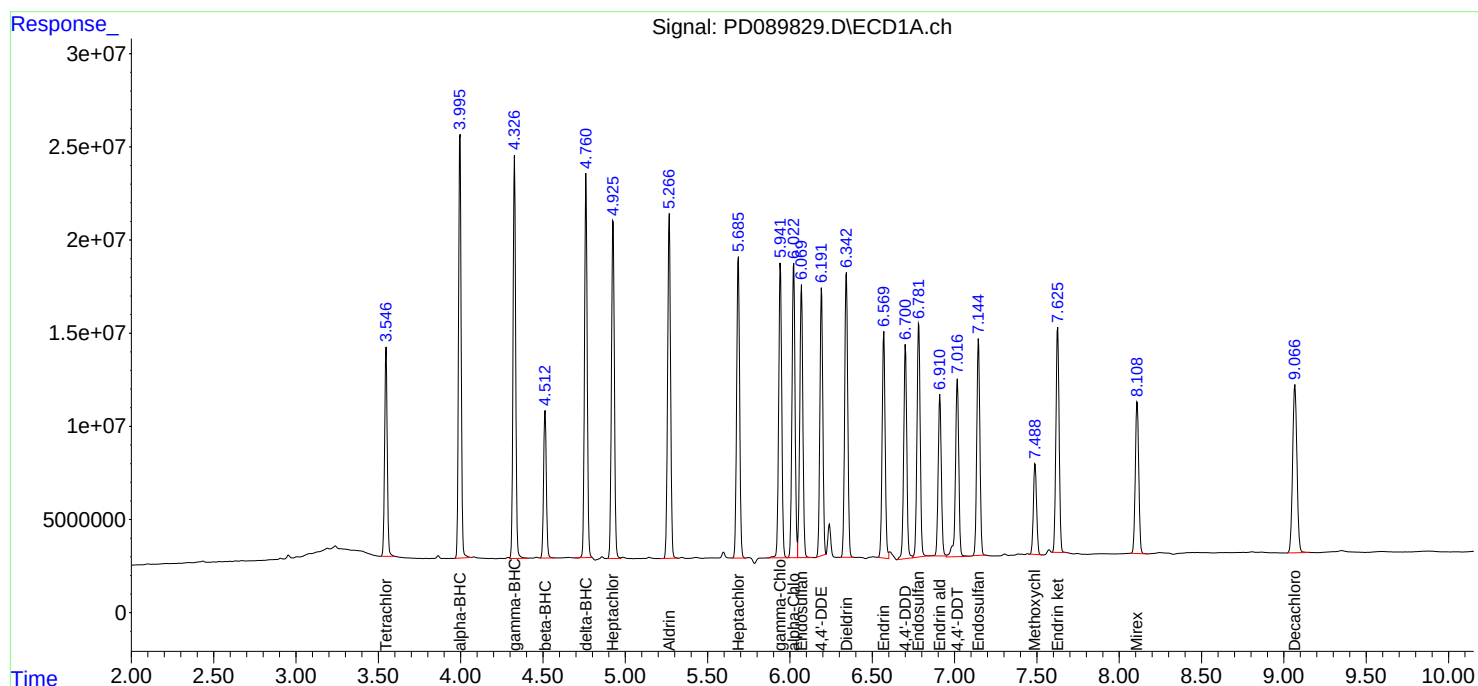
APPROVED

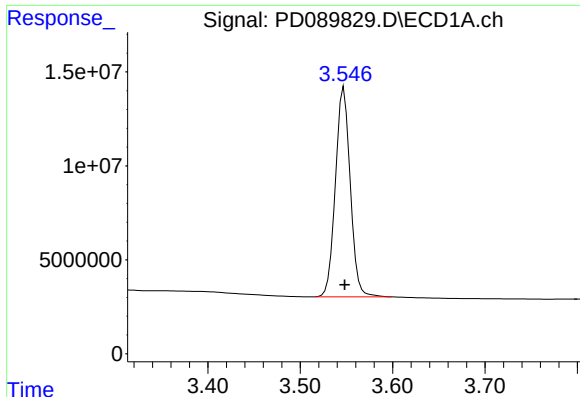
Reviewed By :Abdul Mirza 08/11/2025

Supervised By :mohammad ahmed 08/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 01:36:55 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





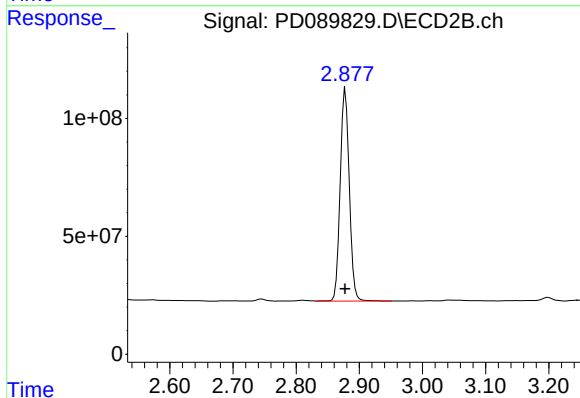
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 124529573
Conc: 50.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

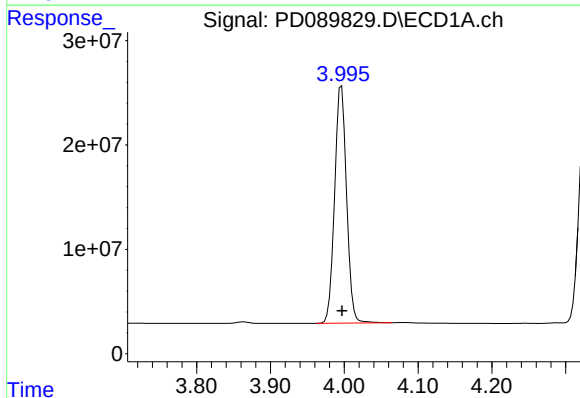
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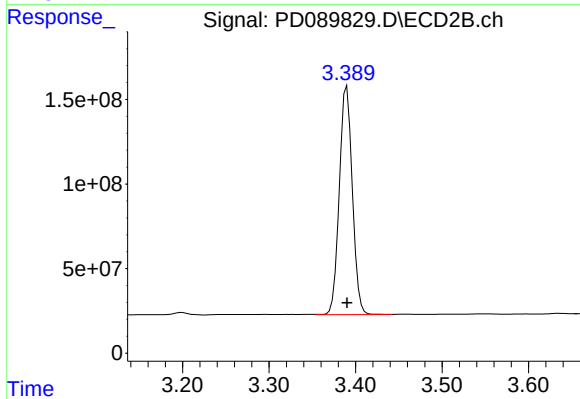
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 904866097
Conc: 57.13 ng/ml



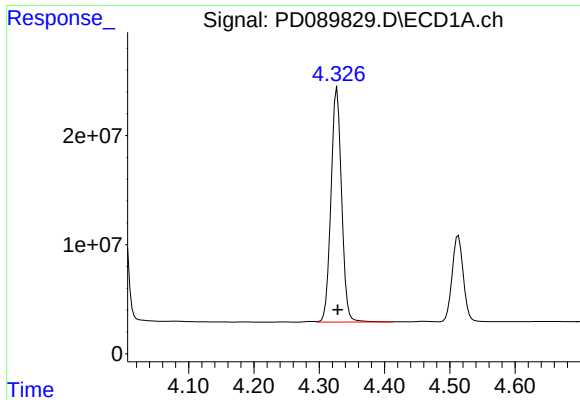
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 256446391
Conc: 51.77 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1401104642
Conc: 57.65 ng/ml



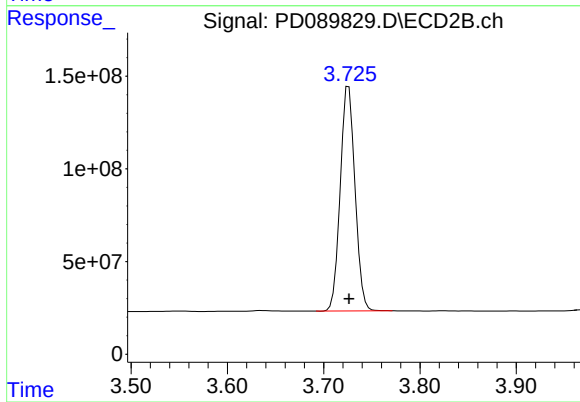
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: 0.000 min
Response: 242437118
Conc: 51.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

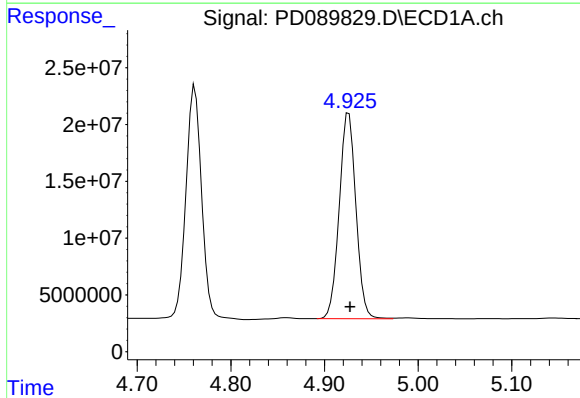
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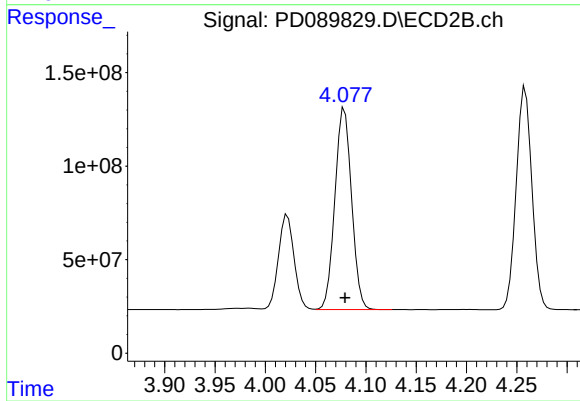
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1289634808
Conc: 57.26 ng/ml



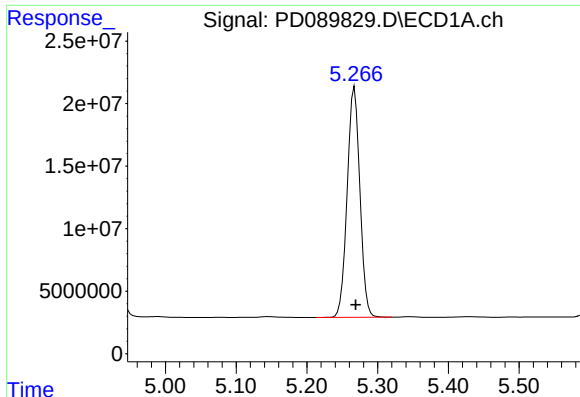
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.001 min
Response: 224267494
Conc: 46.61 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1241246083
Conc: 53.48 ng/ml



#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 230263139
Conc: 50.44 ng/ml

Instrument :

ECD_D

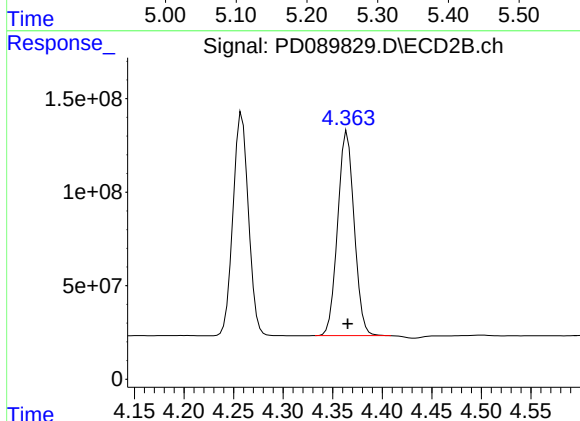
ClientSampleId :

PSTDCCC050

Manual Integrations

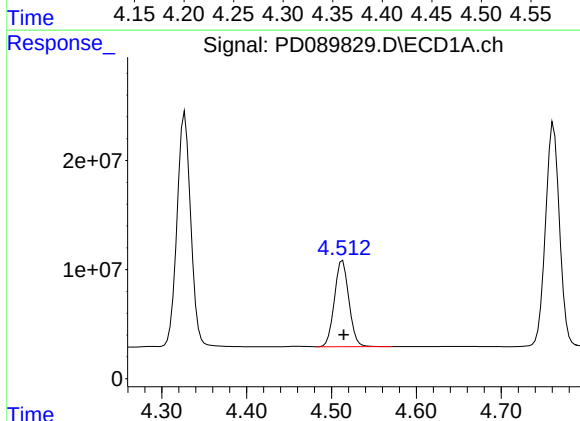
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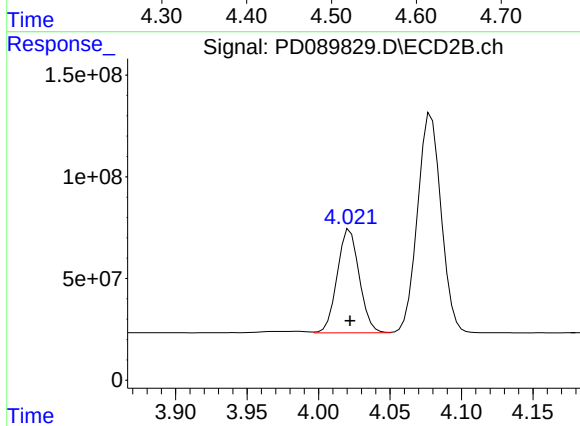
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1267007871
Conc: 56.94 ng/ml



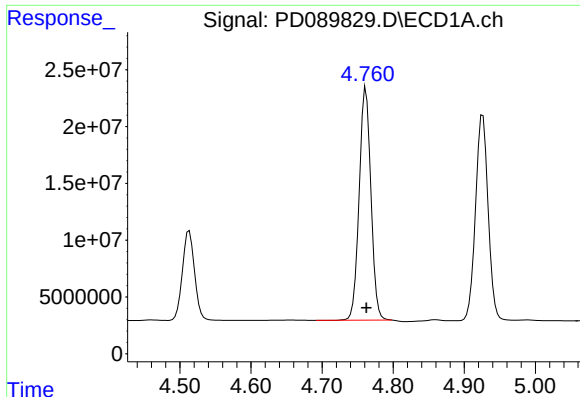
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 93596272
Conc: 50.74 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 547538220
Conc: 56.75 ng/ml



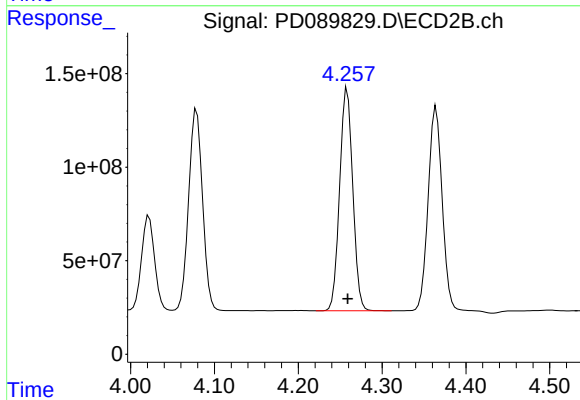
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 235023870
Conc: 51.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

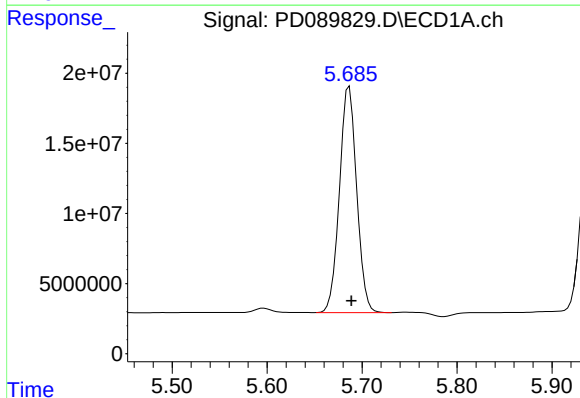
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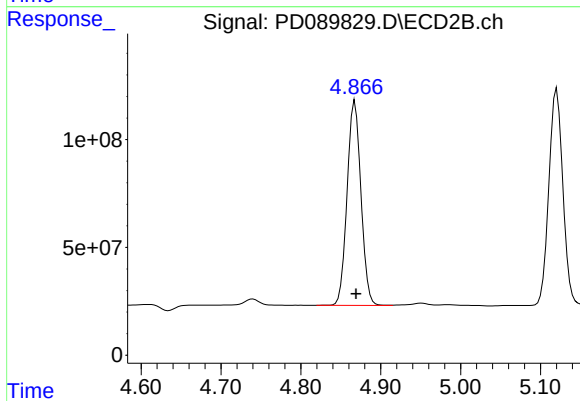
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1293429465
Conc: 56.94 ng/ml



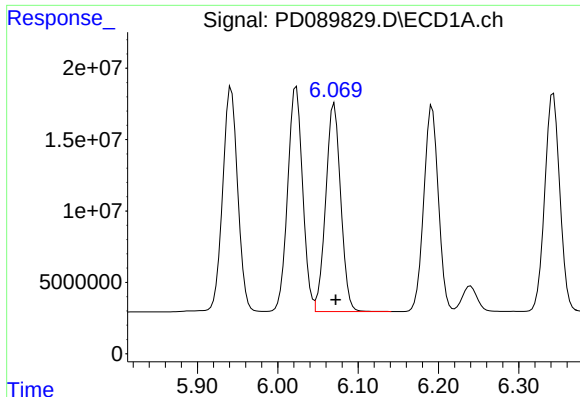
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 203815487
Conc: 48.75 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 1144709824
Conc: 55.70 ng/ml



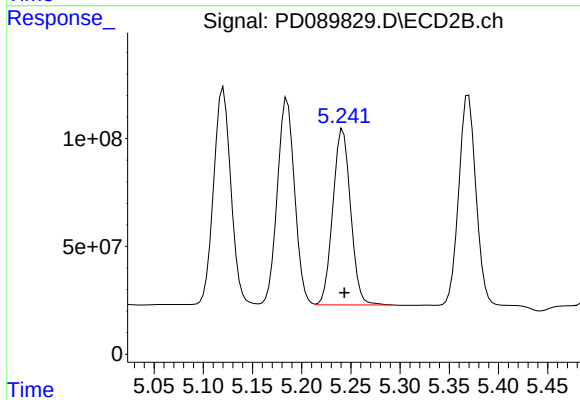
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 189732053
Conc: 47.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

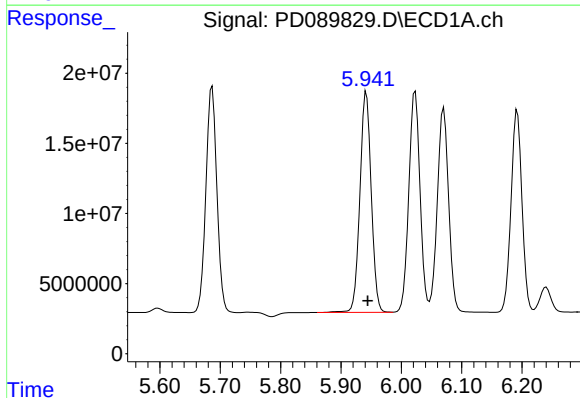
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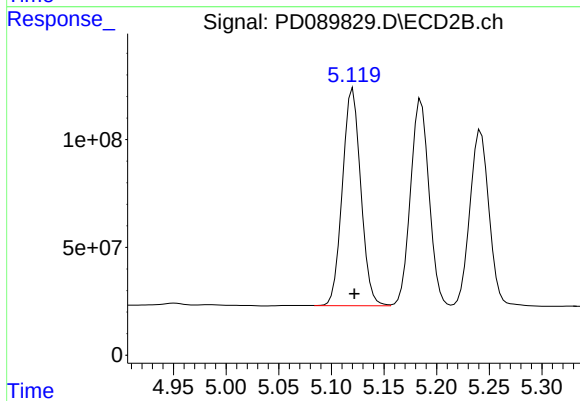
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 1026421935
Conc: 52.51 ng/ml



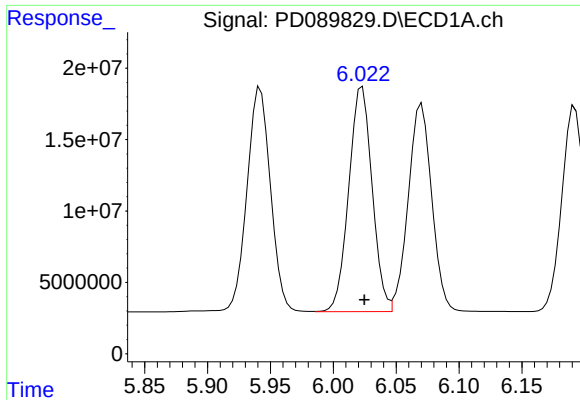
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 205616704
Conc: 49.20 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.001 min
Response: 1228320776
Conc: 56.73 ng/ml



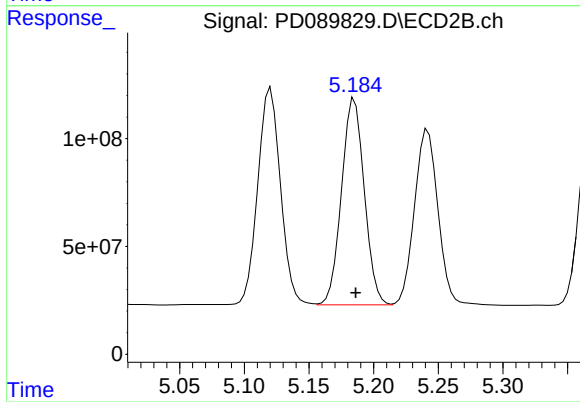
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 203581517
Conc: 48.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

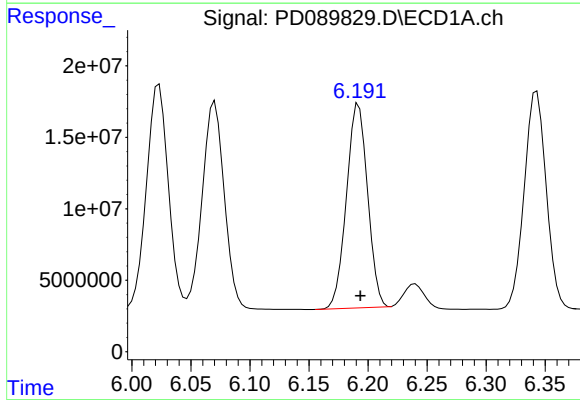
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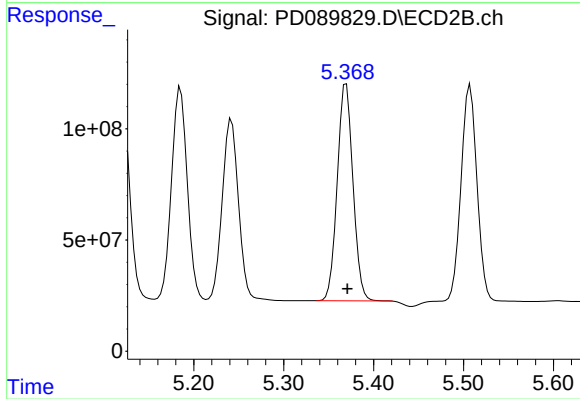
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 1171465598
Conc: 56.26 ng/ml



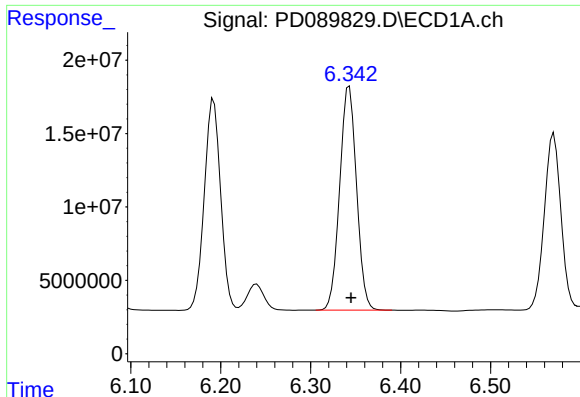
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.001 min
Response: 178078019
Conc: 47.75 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: -0.001 min
Response: 1186297984
Conc: 56.12 ng/ml



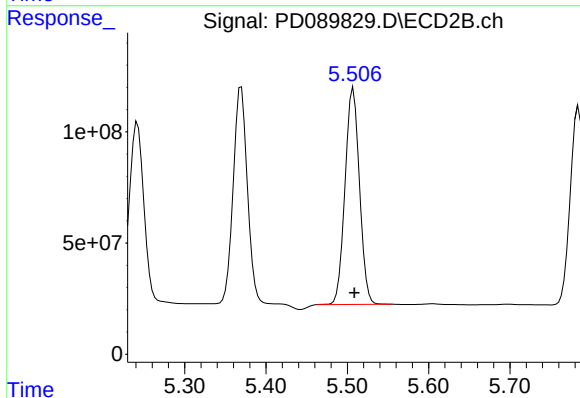
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 198677764
Conc: 47.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

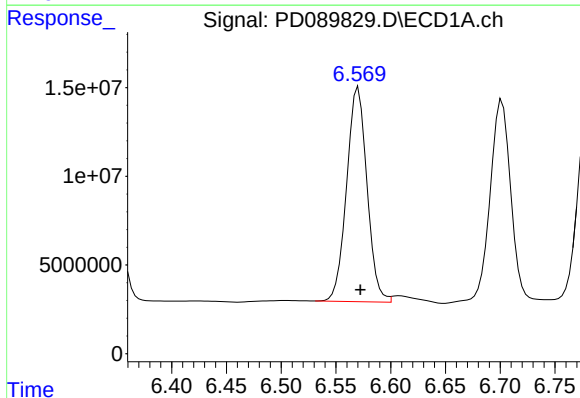
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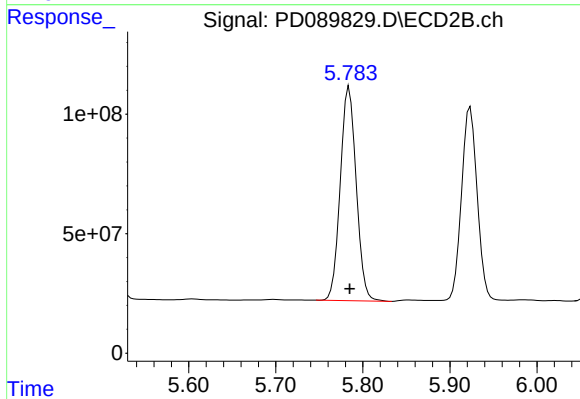
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.001 min
Response: 1201275024
Conc: 55.51 ng/ml



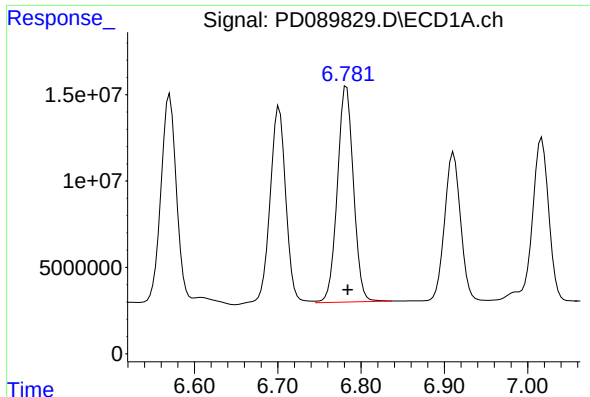
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 156687301
Conc: 43.80 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1139293092
Conc: 57.18 ng/ml



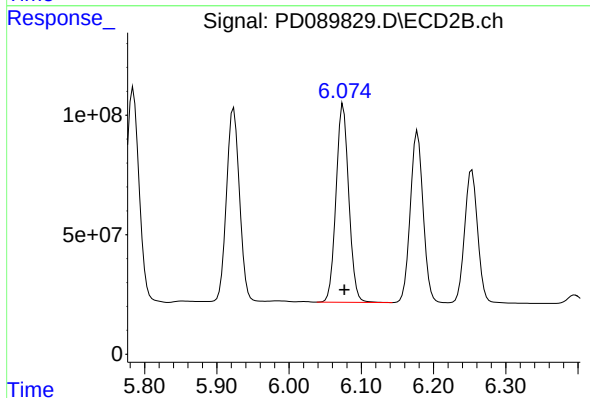
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: -0.001 min
Response: 168139977
Conc: 45.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

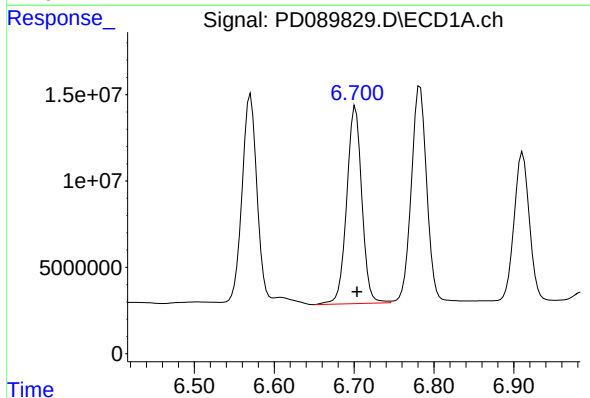
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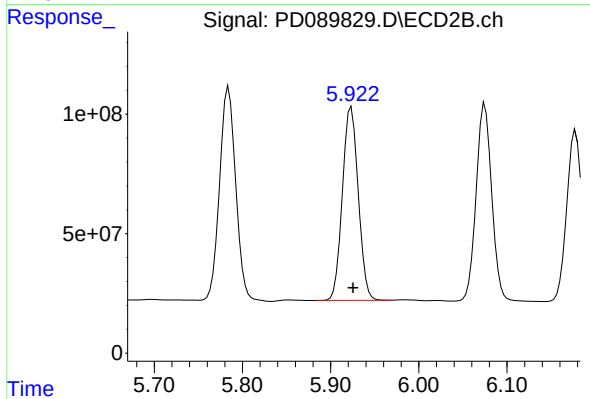
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: -0.002 min
Response: 1017827695
Conc: 54.14 ng/ml



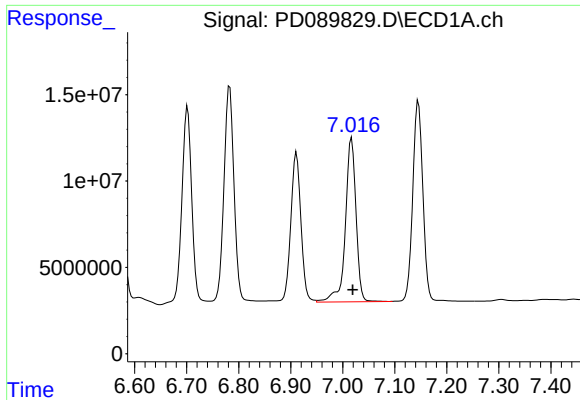
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 150755438
Conc: 50.34 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 1010659409
Conc: 57.32 ng/ml



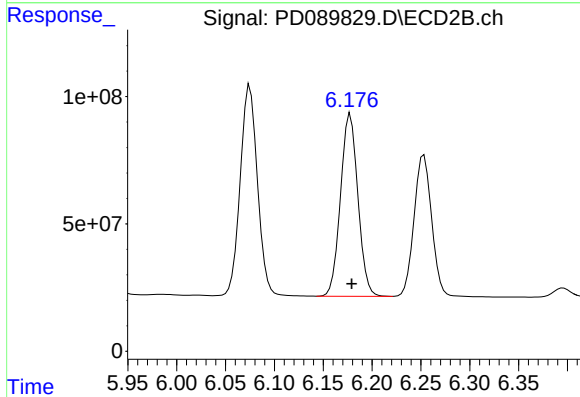
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.004 min
Response: 135376548
Conc: 40.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

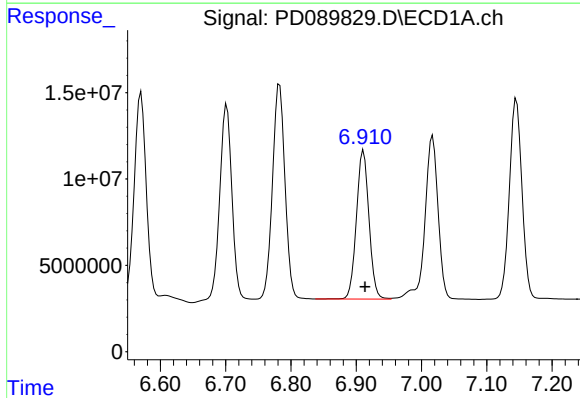
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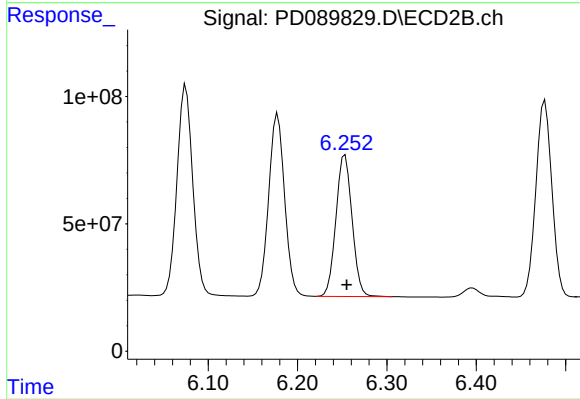
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.002 min
Response: 888998133
Conc: 48.39 ng/ml



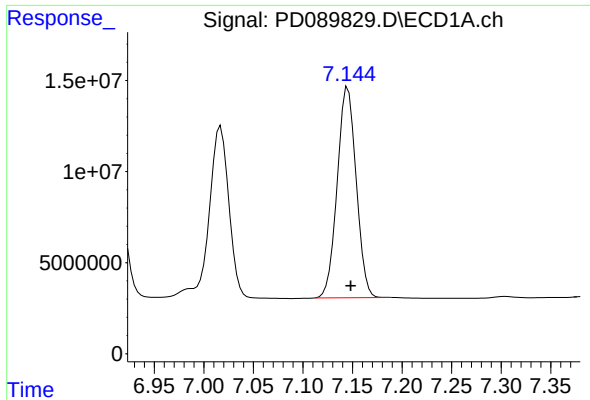
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 115059668
Conc: 46.11 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: -0.002 min
Response: 696235462
Conc: 53.89 ng/ml



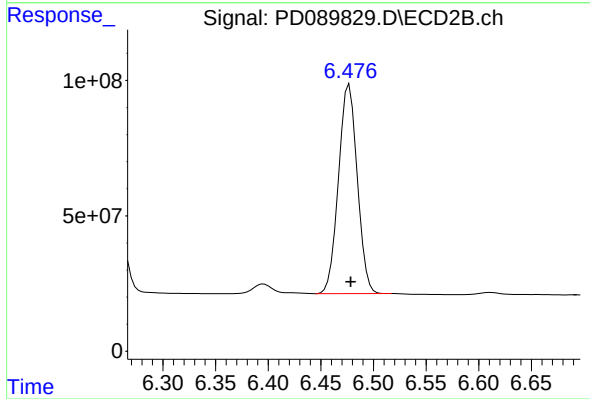
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: -0.003 min
Response: 153939425
Conc: 44.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

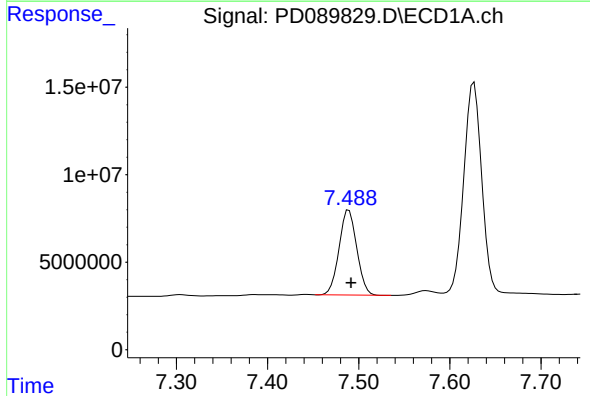
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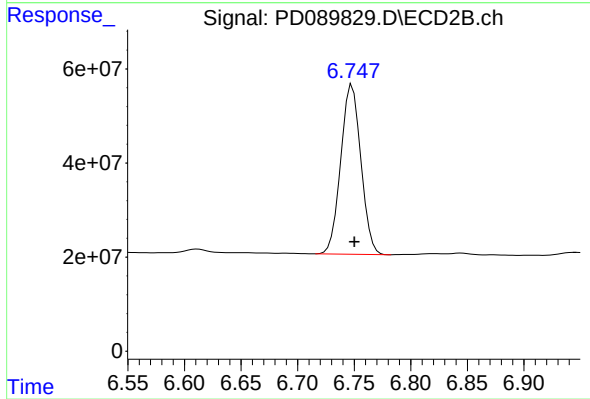
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: -0.001 min
Response: 960484974
Conc: 51.73 ng/ml



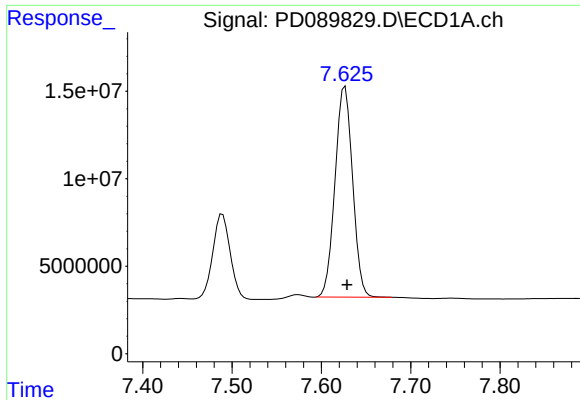
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 65629351
Conc: 36.71 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.002 min
Response: 446440374
Conc: 45.58 ng/ml



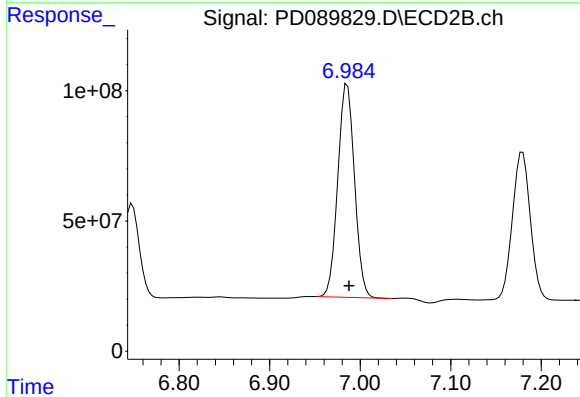
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 164384924
Conc: 44.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

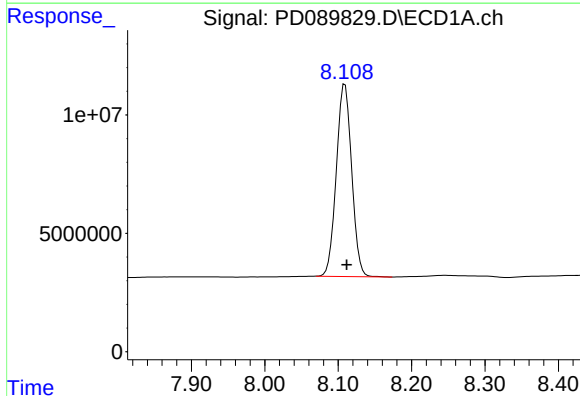
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/11/2025
Supervised By :mohammad ahmed 08/12/2025



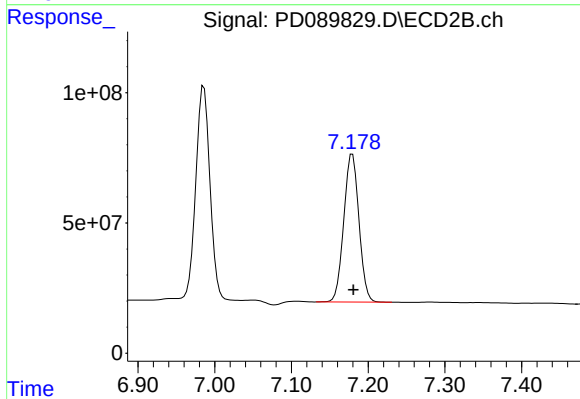
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 1051471336
Conc: 52.39 ng/ml



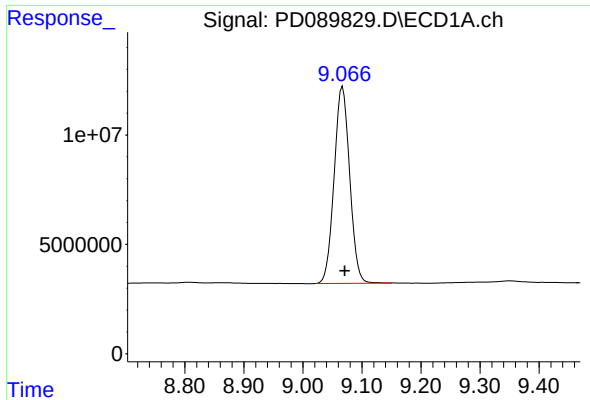
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.003 min
Response: 118122272
Conc: 42.36 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 785133682
Conc: 51.58 ng/ml



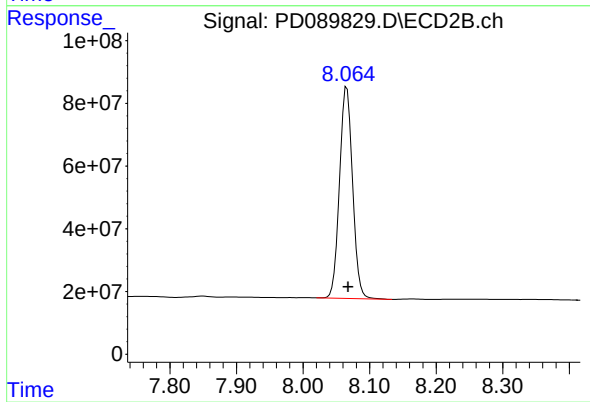
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.003 min
Response: 164561831
Conc: 44.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/12/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 918595763
Conc: 45.75 ng/ml