

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081425\
 Data File : PD089886.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 Aug 2025 17:25
 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 23:50:32 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...	3.556	2.878	117.8E6	914.3E6	47.745	57.731
28)	SA Decachlor...	9.079	8.070	162.0E6	1015.3E6	43.601	50.567
Target Compounds							
2)	A alpha-BHC	4.005	3.391	247.3E6	1432.8E6	49.934	58.950
3)	MA gamma-BHC...	4.335	3.728	234.1E6	1322.8E6	49.261m	58.730
4)	MA Heptachlor	4.935	4.081	228.8E6	1343.4E6	47.546	57.883
5)	MB Aldrin	5.277	4.367	220.7E6	1316.7E6	48.353	59.175
6)	B beta-BHC	4.523	4.024	87202917	563.9E6	47.273	58.438
7)	B delta-BHC	4.770	4.261	220.6E6	1342.8E6	48.096m	59.114
8)	B Heptachlo...	5.697	4.871	189.7E6	1197.7E6	45.382	58.281 #
9)	A Endosulfan I	6.080	5.245	185.3E6	1122.9E6	46.749	57.440
10)	B gamma-Chl...	5.952	5.124	197.1E6	1286.0E6	47.158	59.392 #
11)	B alpha-Chl...	6.033	5.189	197.7E6	1231.1E6	47.013	59.123 #
12)	B 4,4'-DDE	6.202	5.373	174.9E6	1248.6E6	46.890	59.073 #
13)	MA Dieldrin	6.353	5.511	196.1E6	1270.1E6	46.442	58.696 #
14)	MA Endrin	6.581	5.788	163.7E6	1160.4E6	45.753	58.236 #
15)	B Endosulfa...	6.792	6.079	164.4E6	1085.4E6	44.794	57.737 #
16)	A 4,4'-DDD	6.711	5.928	137.9E6	1039.2E6	46.036	58.936 #
17)	MA 4,4'-DDT	7.027	6.182	149.4E6	1097.9E6	44.453	59.755 #
18)	B Endrin al...	6.921	6.258	115.8E6	759.5E6	46.416	58.786 #
19)	B Endosulfa...	7.156	6.481	153.4E6	1033.9E6	44.210	55.687 #
20)	A Methoxychlor	7.500	6.752	77883209	555.1E6	43.559	56.672 #
21)	B Endrin ke...	7.636	6.990	161.2E6	1116.8E6	43.404	55.649 #
22)	Mirex	8.119	7.184	119.9E6	840.2E6	43.005	55.198 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081425\
Data File : PD089886.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 13 Aug 2025 17:25
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

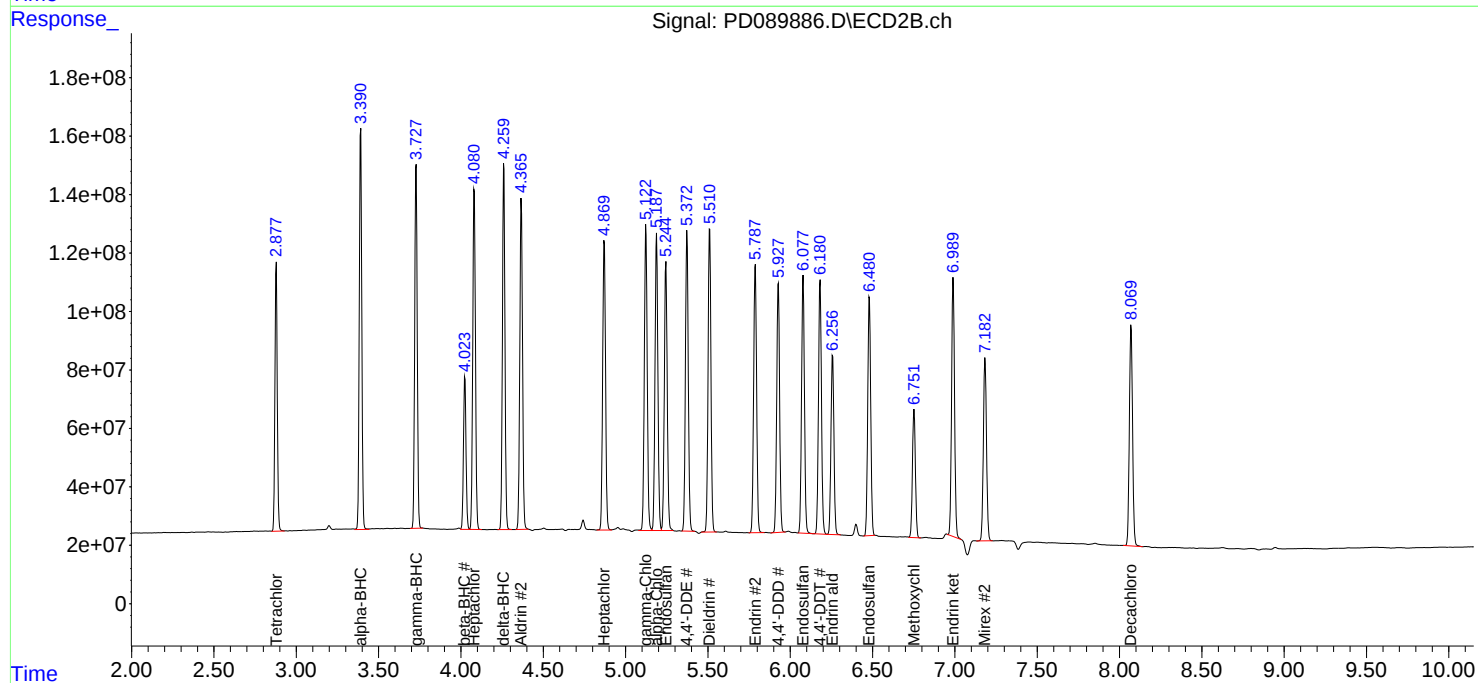
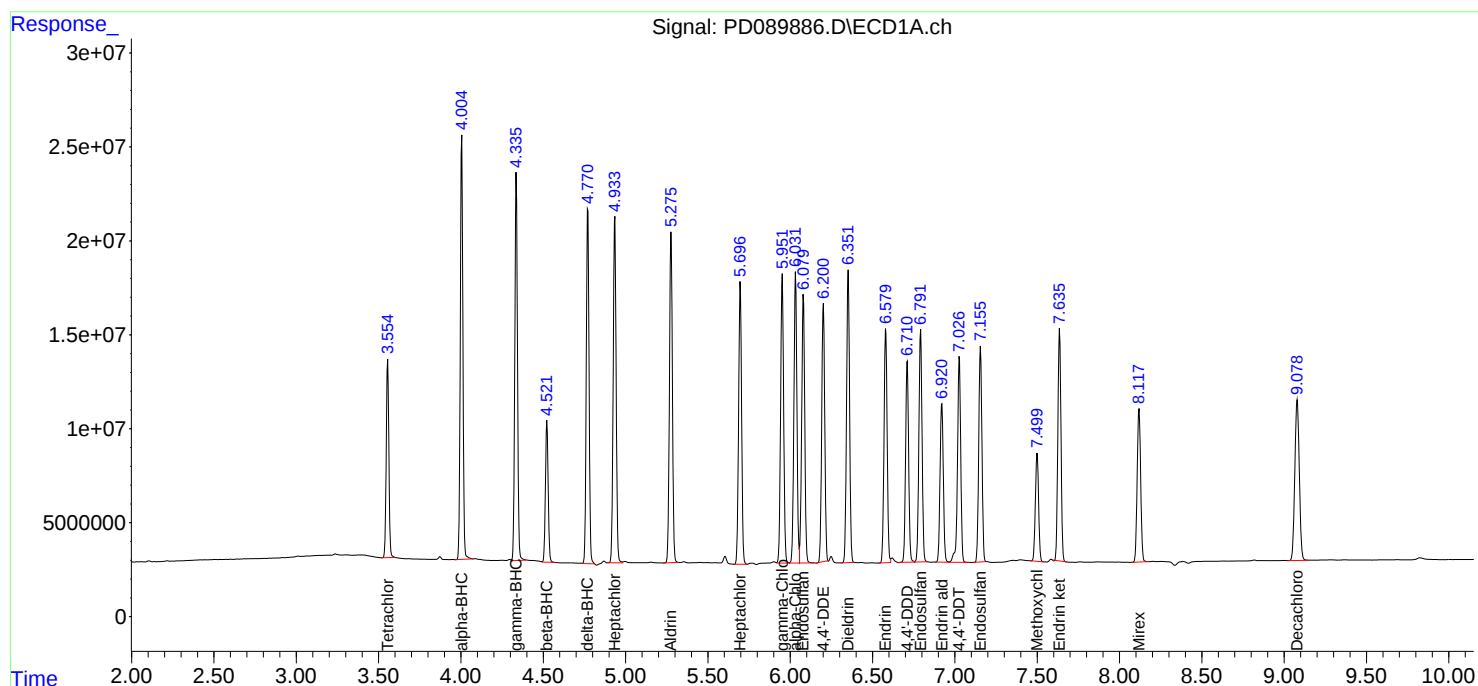
APPROVED

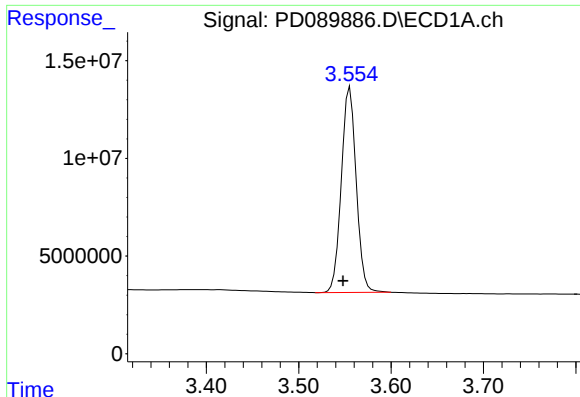
Reviewed By :Abdul Mirza 08/14/2025

Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 13 23:50:32 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





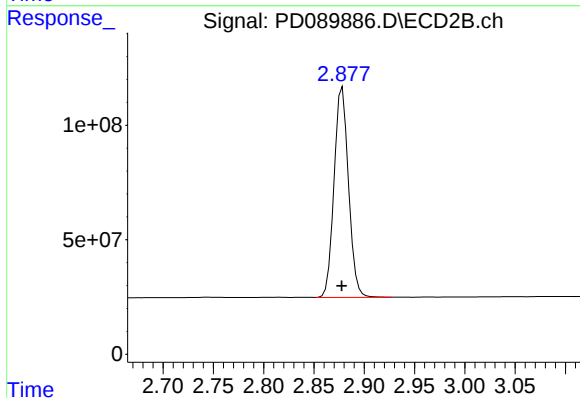
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 117767954
Conc: 47.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

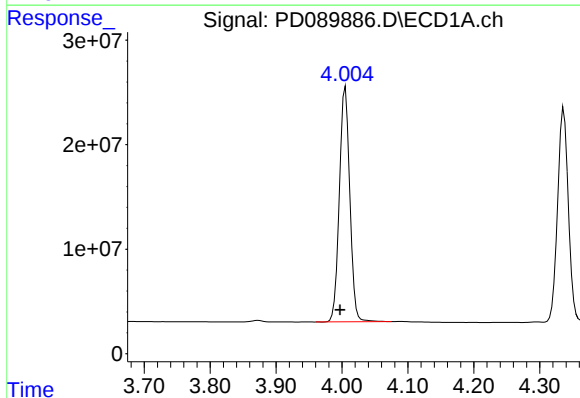
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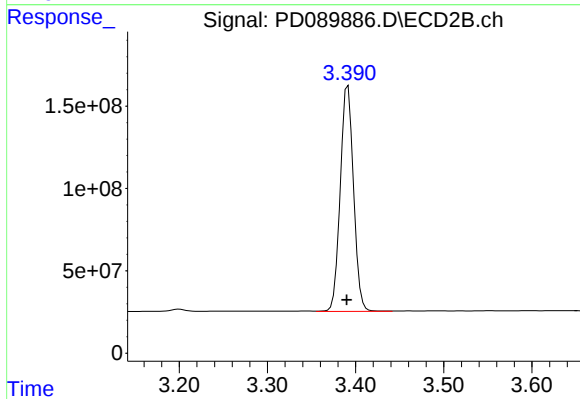
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 914333057
Conc: 57.73 ng/ml



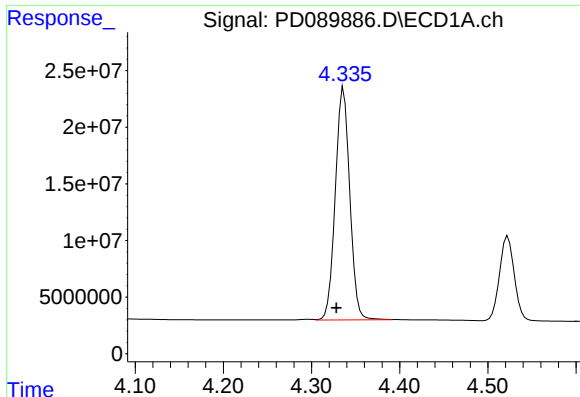
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.008 min
Response: 247347793
Conc: 49.93 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.001 min
Response: 1432781150
Conc: 58.95 ng/ml



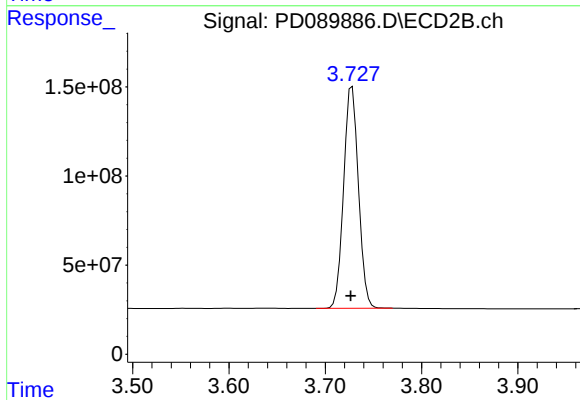
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 234106636
Conc: 49.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

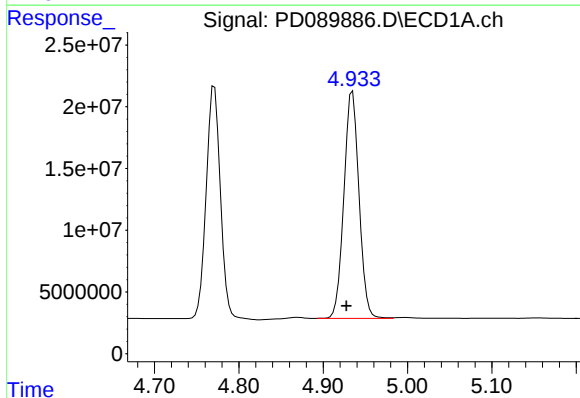
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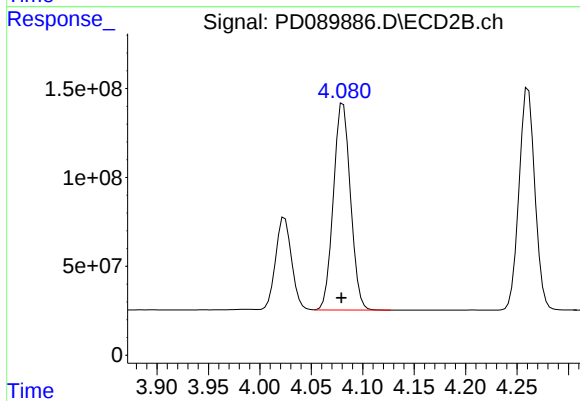
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.002 min
Response: 1322833357
Conc: 58.73 ng/ml



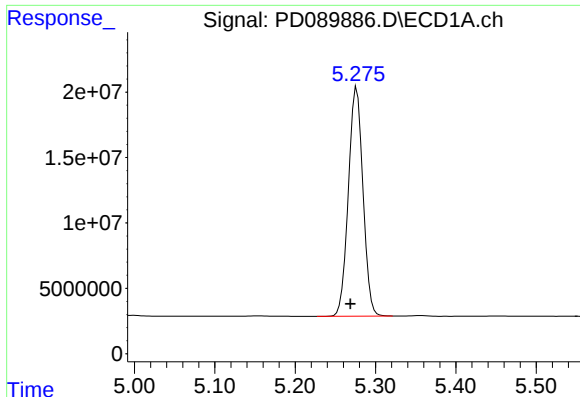
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.007 min
Response: 228769230
Conc: 47.55 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: 0.002 min
Response: 1343418893
Conc: 57.88 ng/ml



#5 Aldrin

R.T.: 5.277 min
Delta R.T.: 0.008 min
Response: 220728752
Conc: 48.35 ng/ml

Instrument :

ECD_D

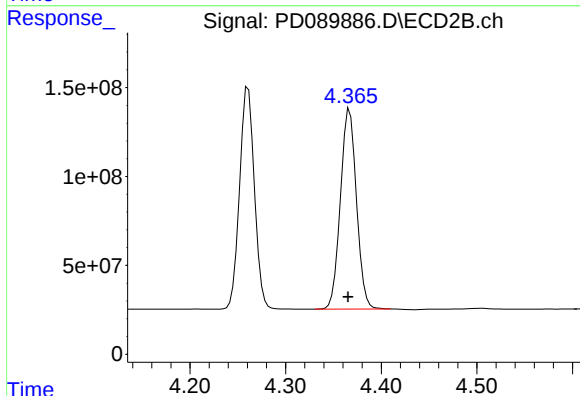
ClientSampleId :

PSTDCCC050

Manual Integrations

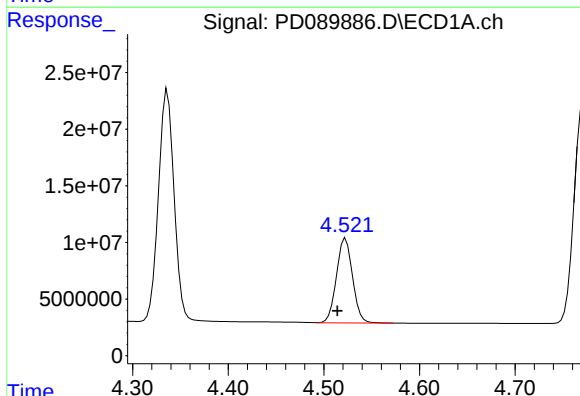
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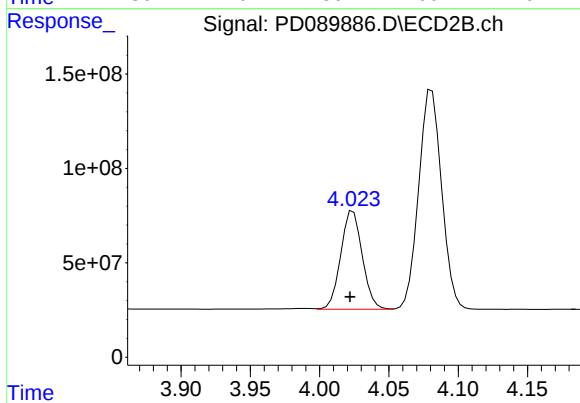
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: 0.002 min
Response: 1316694000
Conc: 59.18 ng/ml



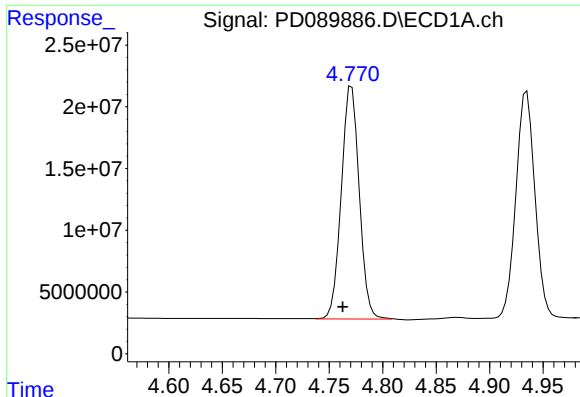
#6 beta-BHC

R.T.: 4.523 min
Delta R.T.: 0.008 min
Response: 87202917
Conc: 47.27 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.002 min
Response: 563866471
Conc: 58.44 ng/ml



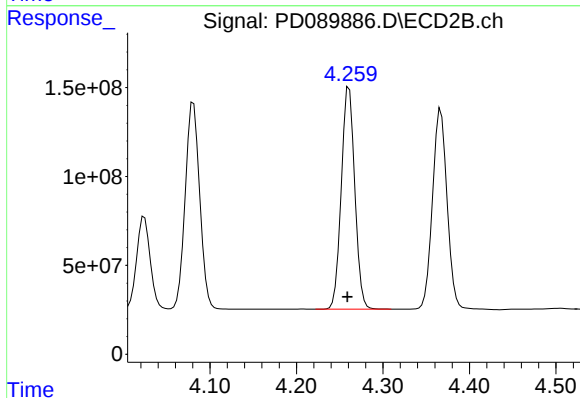
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.007 min
Response: 220578414
Conc: 48.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

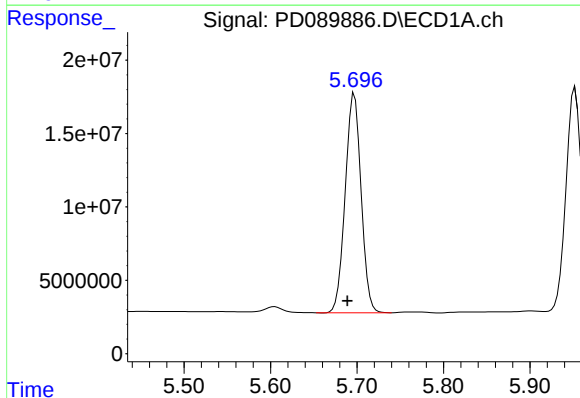
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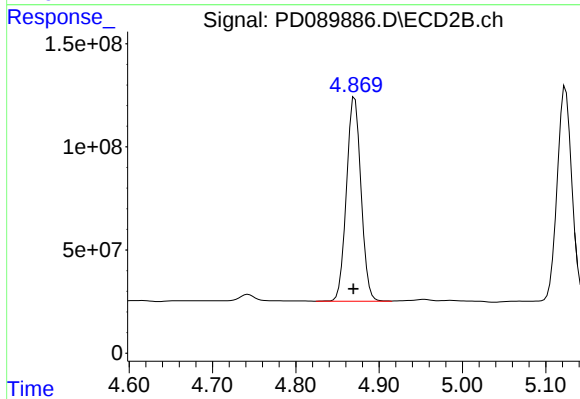
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.002 min
Response: 1342779125
Conc: 59.11 ng/ml



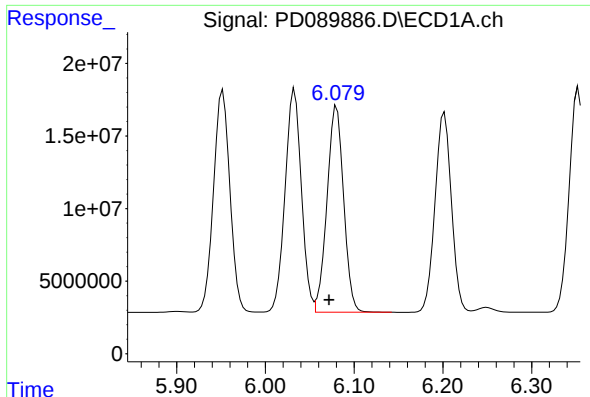
#8 Heptachlor epoxide

R.T.: 5.697 min
Delta R.T.: 0.008 min
Response: 189728624
Conc: 45.38 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: 0.002 min
Response: 1197655382
Conc: 58.28 ng/ml



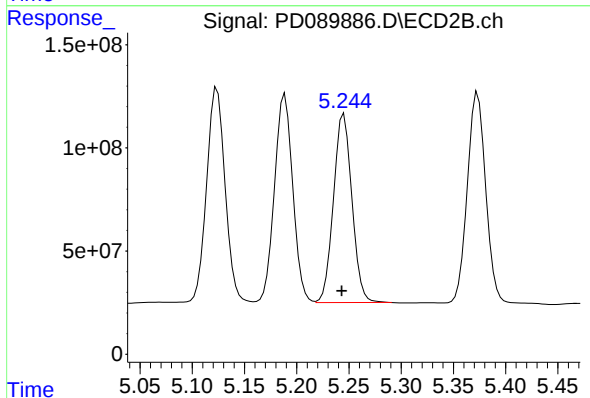
#9 Endosulfan I

R.T.: 6.080 min
Delta R.T.: 0.008 min
Response: 185293646
Conc: 46.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

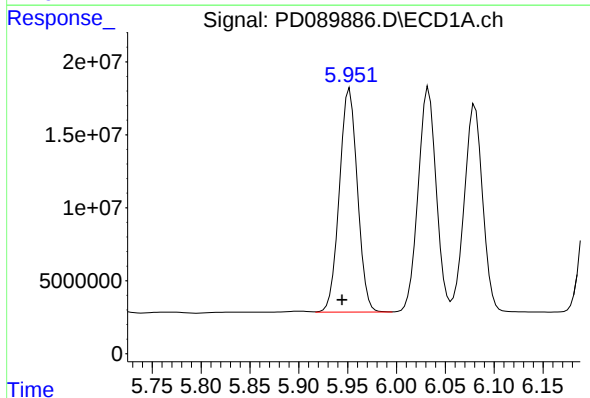
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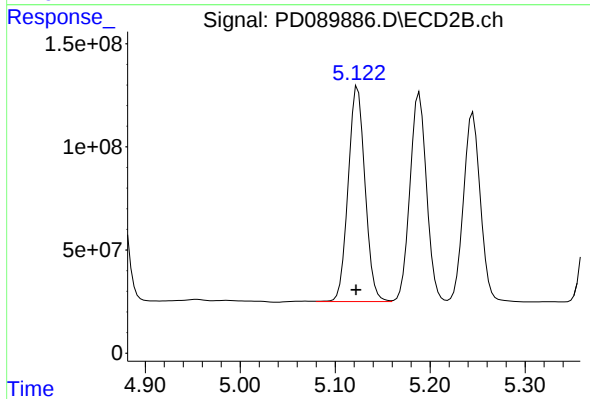
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.002 min
Response: 1122865177
Conc: 57.44 ng/ml



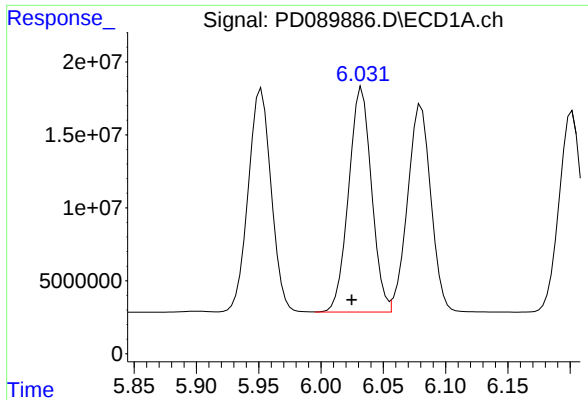
#10 gamma-Chlordane

R.T.: 5.952 min
Delta R.T.: 0.008 min
Response: 197075047
Conc: 47.16 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: 0.002 min
Response: 1286040766
Conc: 59.39 ng/ml



#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.008 min
Response: 197651993
Conc: 47.01 ng/ml

Instrument :

ECD_D

ClientSampleId :

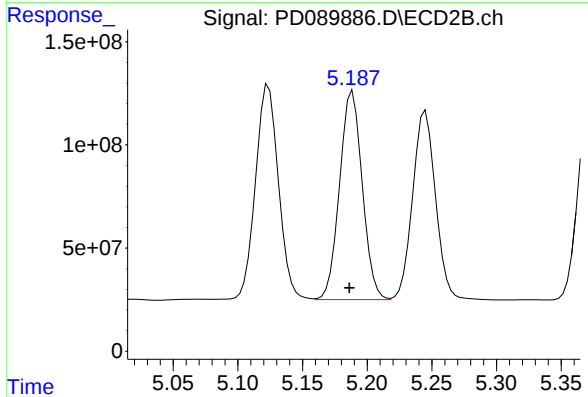
PSTDCCC050

Manual Integrations

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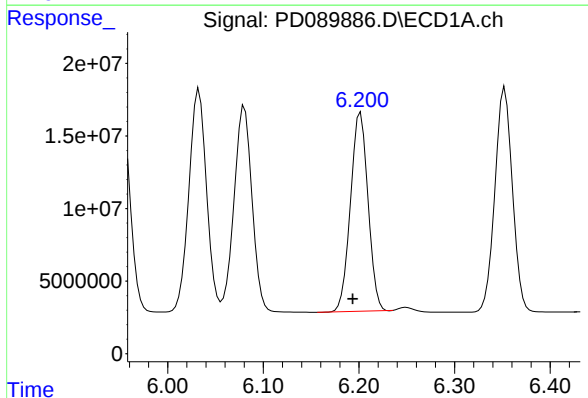
Reviewed By :Abdul Mirza 08/14/2025

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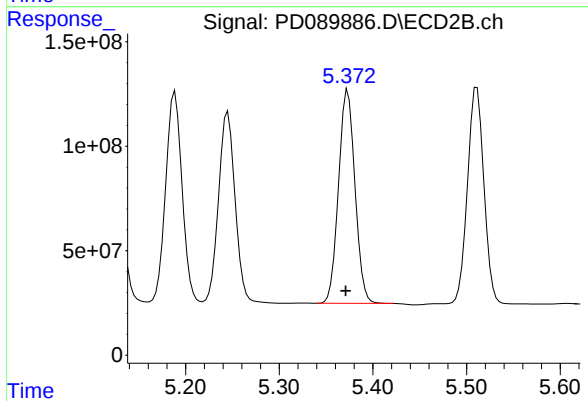
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: 0.003 min
Response: 1231062699
Conc: 59.12 ng/ml



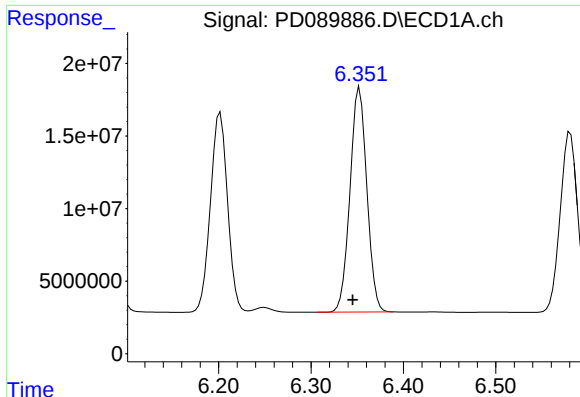
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.008 min
Response: 174886680
Conc: 46.89 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: 0.002 min
Response: 1248625554
Conc: 59.07 ng/ml



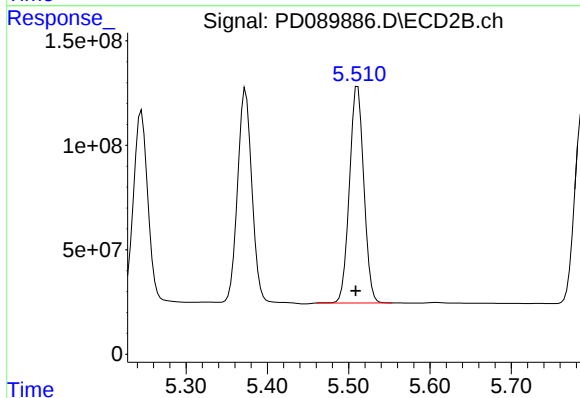
#13 Dieldrin

R.T.: 6.353 min
Delta R.T.: 0.008 min
Response: 196142664
Conc: 46.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

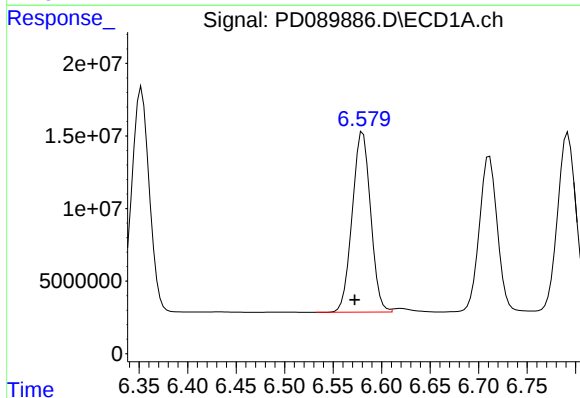
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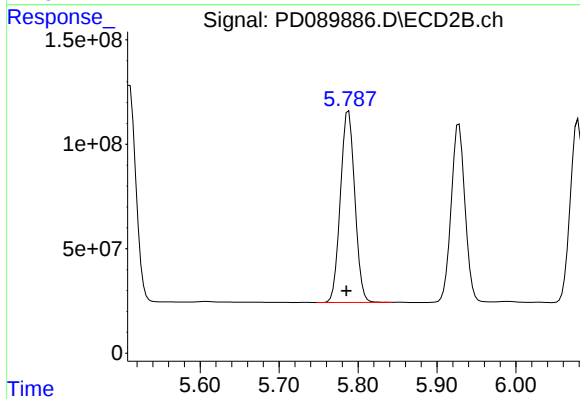
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: 0.002 min
Response: 1270121111
Conc: 58.70 ng/ml



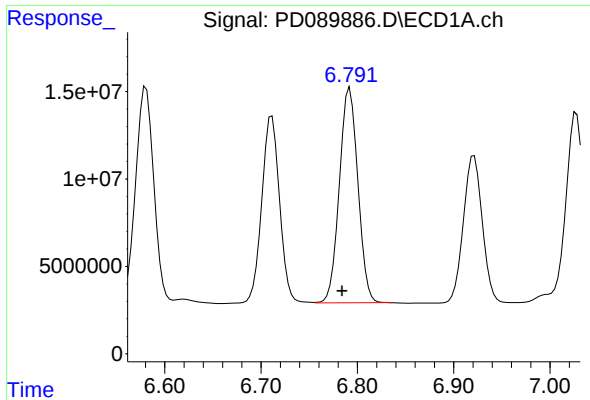
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.008 min
Response: 163689866
Conc: 45.75 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.003 min
Response: 1160368208
Conc: 58.24 ng/ml



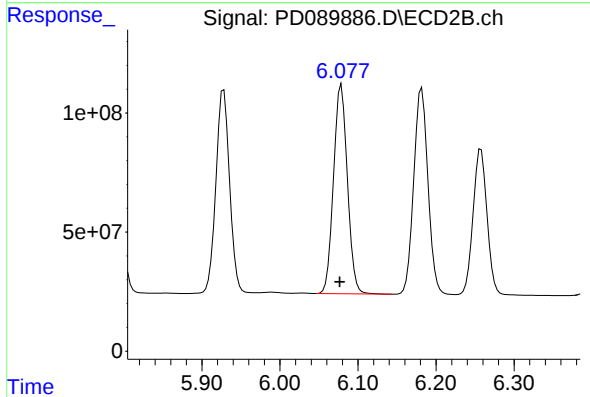
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.008 min
Response: 164366432
Conc: 44.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

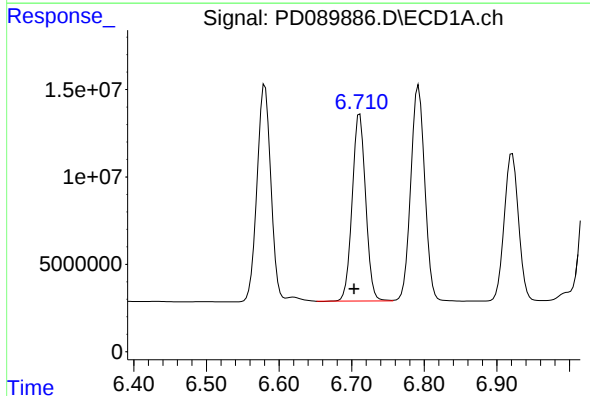
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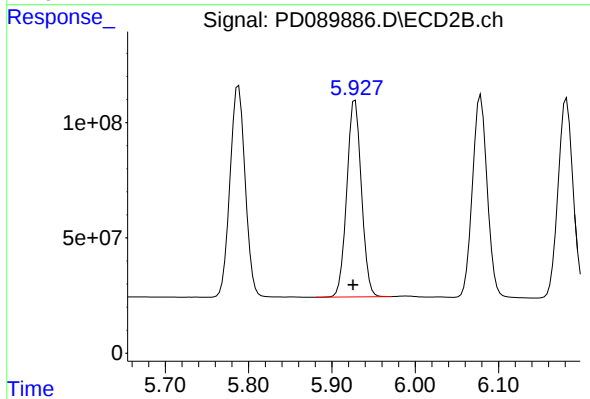
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: 0.002 min
Response: 1085429963
Conc: 57.74 ng/ml



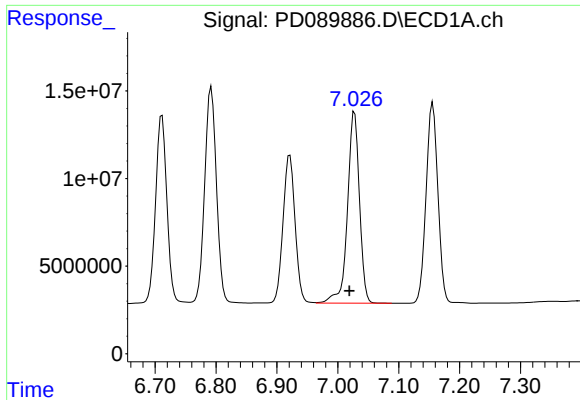
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.008 min
Response: 137869783
Conc: 46.04 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: 0.002 min
Response: 1039191544
Conc: 58.94 ng/ml



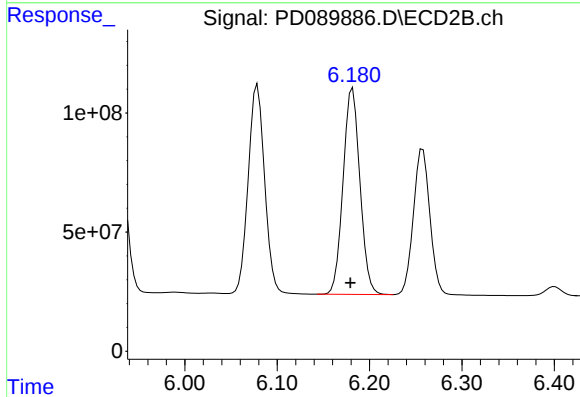
#17 4,4'-DDT

R.T.: 7.027 min
Delta R.T.: 0.008 min
Response: 149373108
Conc: 44.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

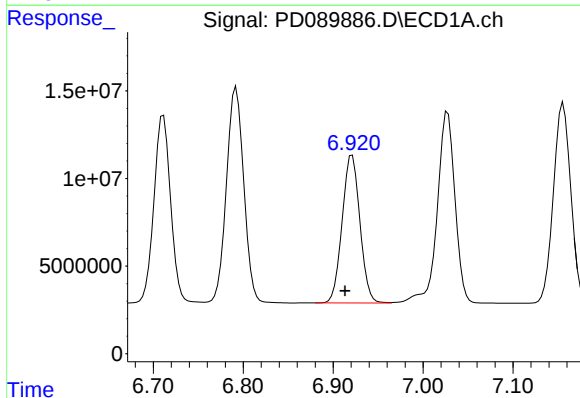
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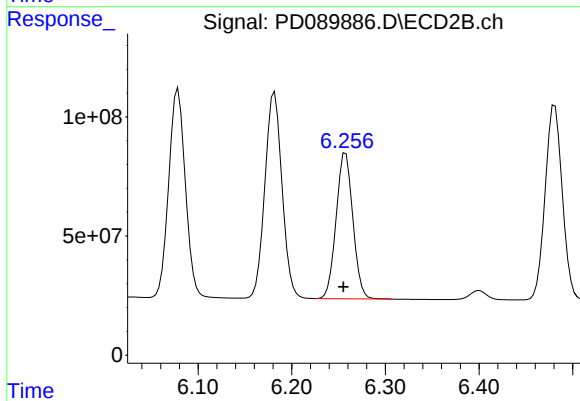
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: 0.002 min
Response: 1097860243
Conc: 59.76 ng/ml



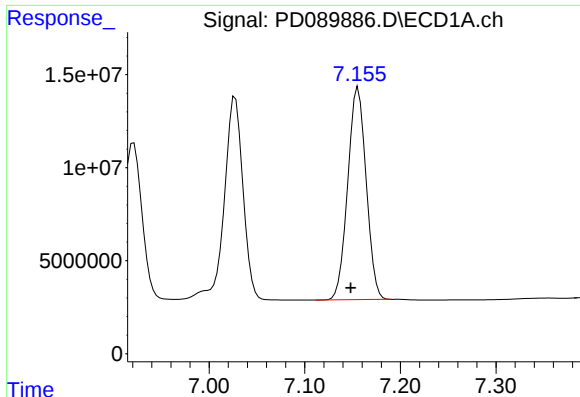
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.008 min
Response: 115835522
Conc: 46.42 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: 0.002 min
Response: 759545232
Conc: 58.79 ng/ml



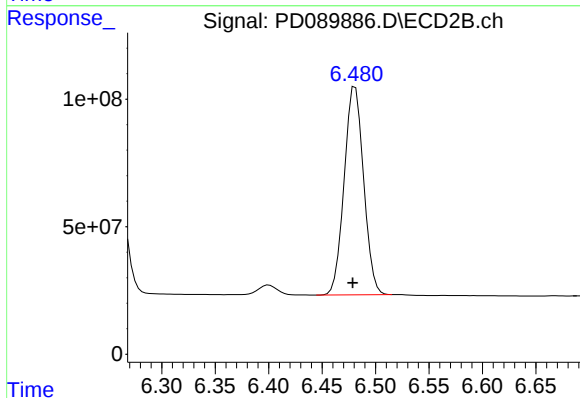
#19 Endosulfan Sulfate

R.T.: 7.156 min
Delta R.T.: 0.008 min
Response: 153410630
Conc: 44.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

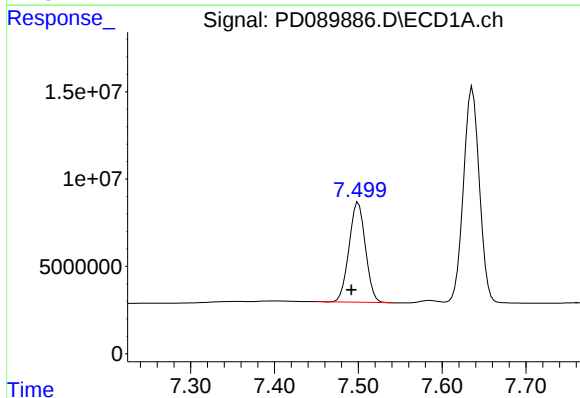
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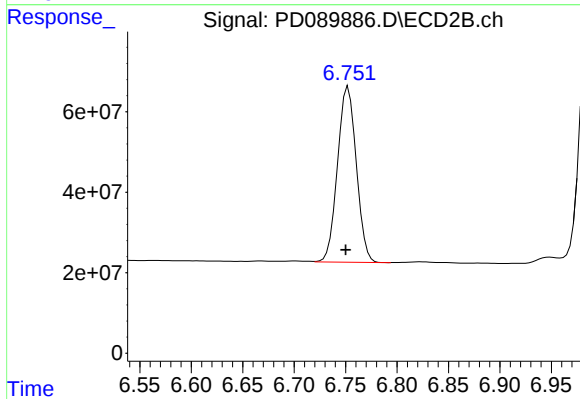
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: 0.002 min
Response: 1033859520
Conc: 55.69 ng/ml



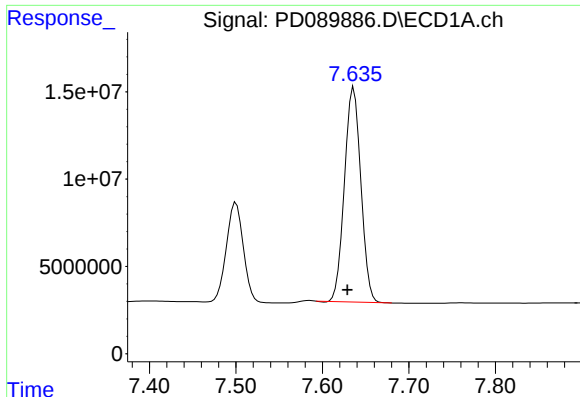
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.008 min
Response: 77883209
Conc: 43.56 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: 0.002 min
Response: 555132273
Conc: 56.67 ng/ml



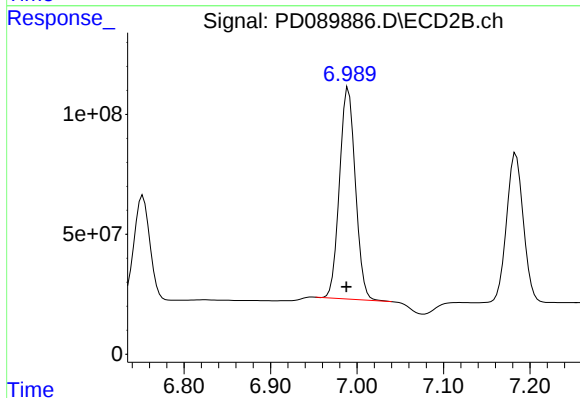
#21 Endrin ketone

R.T.: 7.636 min
Delta R.T.: 0.007 min
Response: 161207850
Conc: 43.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

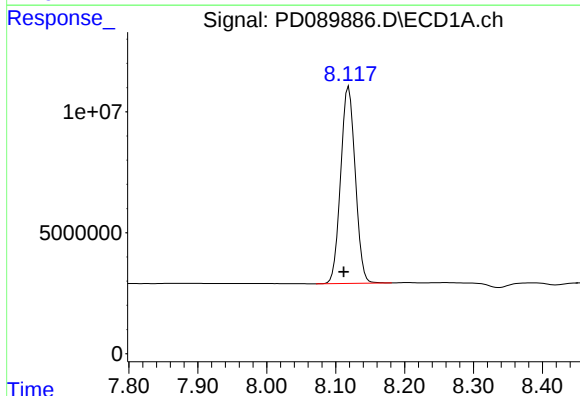
Manual Integrations
APPROVED

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



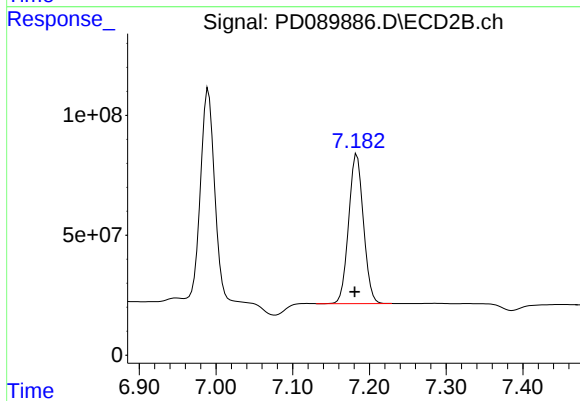
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.002 min
Response: 1116776081
Conc: 55.65 ng/ml



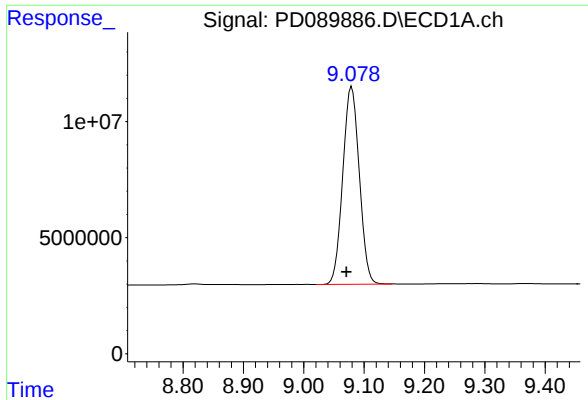
#22 Mirex

R.T.: 8.119 min
Delta R.T.: 0.007 min
Response: 119912507
Conc: 43.01 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: 0.003 min
Response: 840174120
Conc: 55.20 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.079 min
Delta R.T.: 0.009 min
Response: 162030946
Conc: 43.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

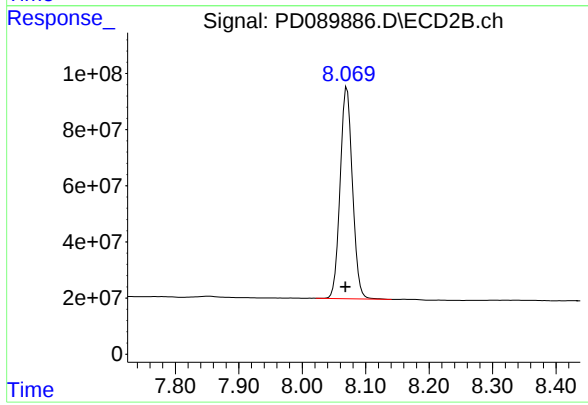
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: 0.003 min
Response: 1015283754
Conc: 50.57 ng/ml