

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
 Data File : PD089890.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 12:52
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/15/2025
 Supervised By : mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 14 13:55:14 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	114.9E6	902.0E6	46.570	56.955
28)	SA Decachlor...	9.077	8.069	160.1E6	1043.0E6	43.088	51.946
Target Compounds							
2)	A alpha-BHC	4.004	3.389	240.5E6	1391.8E6	48.553	57.265m
3)	MA gamma-BHC...	4.335	3.727	230.8E6	1297.4E6	48.559	57.601
4)	MA Heptachlor	4.934	4.080	227.1E6	1303.3E6	47.197	56.154
5)	MB Aldrin	5.275	4.366	216.6E6	1284.7E6	47.444	57.739
6)	B beta-BHC	4.521	4.023	89205617	552.1E6	48.358	57.221
7)	B delta-BHC	4.770	4.260	216.2E6	1309.0E6	47.139	57.627
8)	B Heptachlo...	5.695	4.870	193.4E6	1170.2E6	46.250	56.945
9)	A Endosulfan I	6.078	5.245	182.4E6	1082.8E6	46.010	55.391
10)	B gamma-Chl...	5.951	5.123	194.4E6	1256.7E6	46.508	58.035
11)	B alpha-Chl...	6.031	5.188	194.7E6	1205.7E6	46.311	57.905 #
12)	B 4,4'-DDE	6.200	5.372	171.3E6	1219.3E6	45.926	57.686 #
13)	MA Dieldrin	6.351	5.510	193.1E6	1246.0E6	45.720	57.583 #
14)	MA Endrin	6.579	5.787	161.9E6	1150.9E6	45.254	57.760 #
15)	B Endosulfa...	6.791	6.078	163.1E6	1073.2E6	44.460	57.084 #
16)	A 4,4'-DDD	6.710	5.927	137.4E6	1020.6E6	45.873	57.882 #
17)	MA 4,4'-DDT	7.025	6.181	148.5E6	1082.4E6	44.202	58.916 #
18)	B Endrin al...	6.920	6.257	113.9E6	748.3E6	45.637	57.913 #
19)	B Endosulfa...	7.154	6.480	151.4E6	1027.6E6	43.635	55.348 #
20)	A Methoxychlor	7.498	6.751	75429833	542.7E6	42.187	55.404 #
21)	B Endrin ke...	7.635	6.990	159.7E6	1095.8E6	42.985	54.606 #
22)	Mirex	8.118	7.183	119.3E6	853.5E6	42.803	56.075 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089890.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 12:52
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

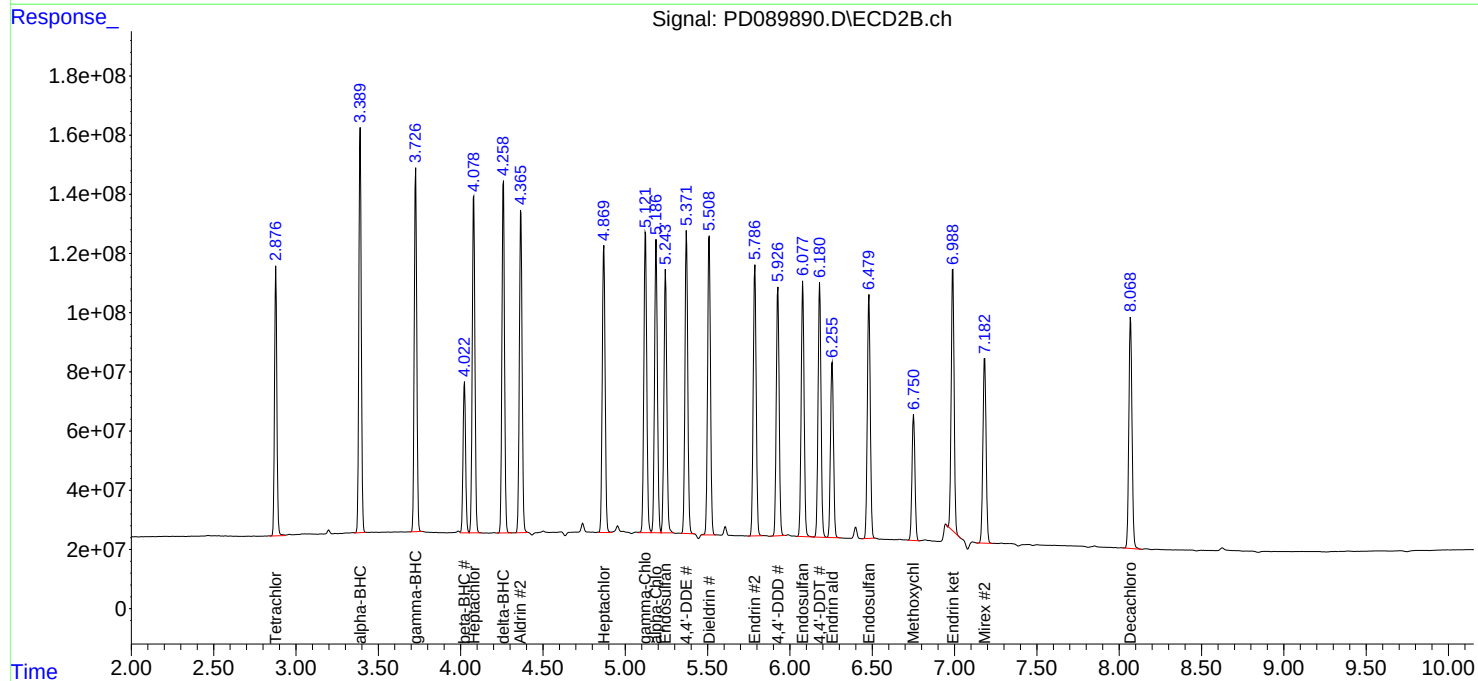
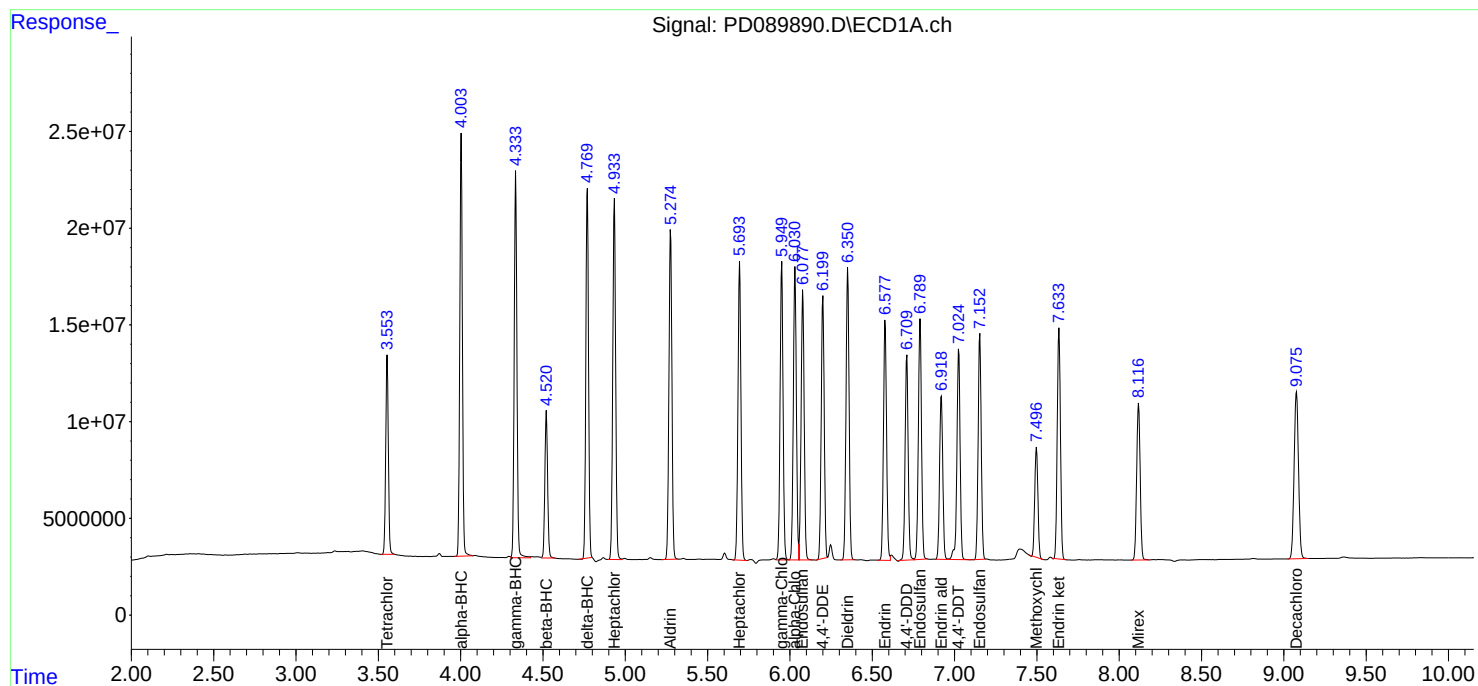
APPROVED

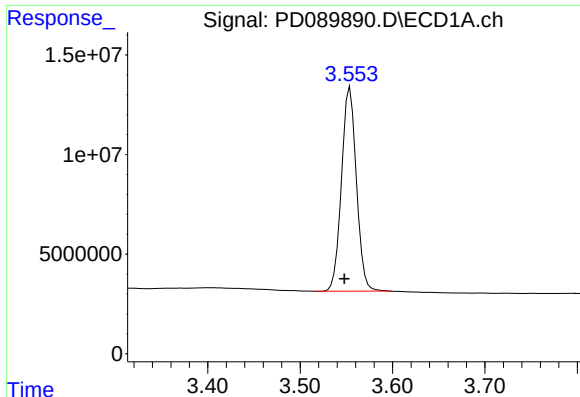
Reviewed By :Abdul Mirza 08/15/2025

Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 13:55:14 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





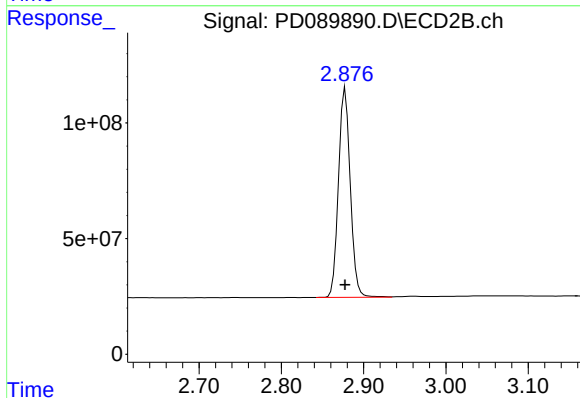
#1 Tetrachloro-m-xylene

R.T.: 3.554 min
Delta R.T.: 0.006 min
Response: 114868518
Conc: 46.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

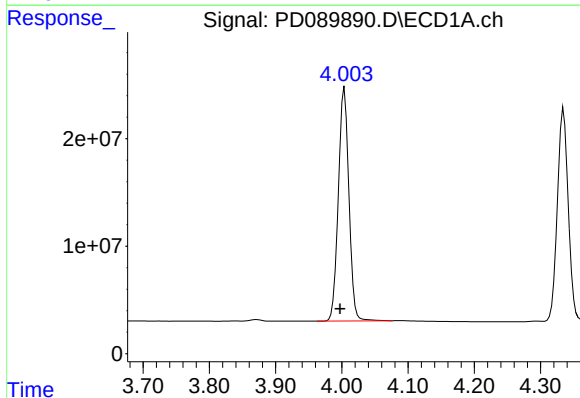
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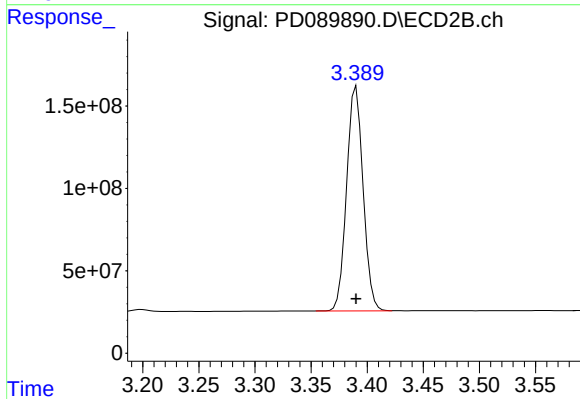
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: 0.000 min
Response: 902049727
Conc: 56.96 ng/ml



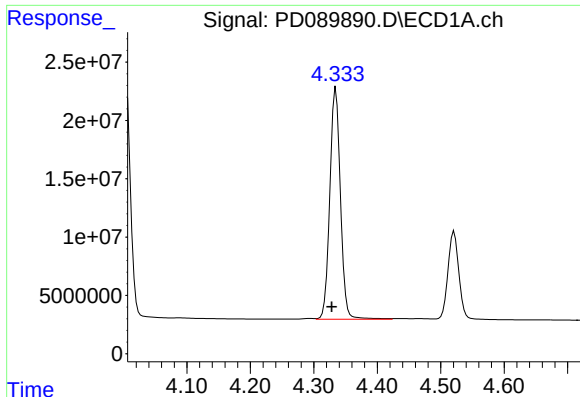
#2 alpha-BHC

R.T.: 4.004 min
Delta R.T.: 0.007 min
Response: 240510701
Conc: 48.55 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1391811028
Conc: 57.26 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 230768279
Conc: 48.56 ng/ml

Instrument :

ECD_D

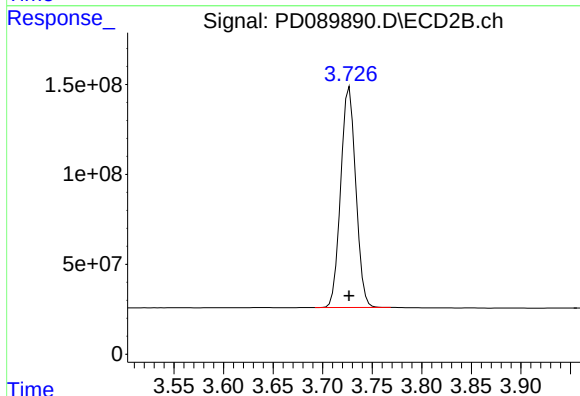
ClientSampleId :

PSTDCCC050

Manual Integrations

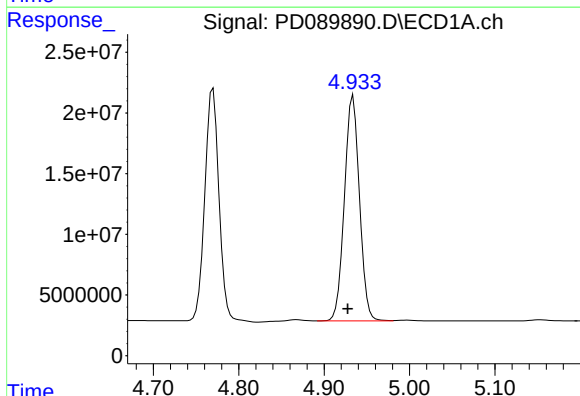
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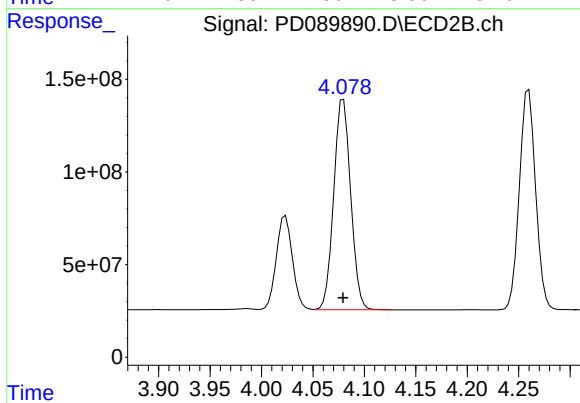
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1297401219
Conc: 57.60 ng/ml



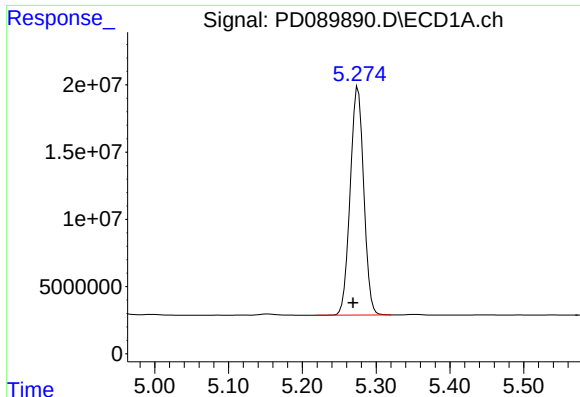
#4 Heptachlor

R.T.: 4.934 min
Delta R.T.: 0.006 min
Response: 227091128
Conc: 47.20 ng/ml



#4 Heptachlor

R.T.: 4.080 min
Delta R.T.: 0.000 min
Response: 1303279629
Conc: 56.15 ng/ml



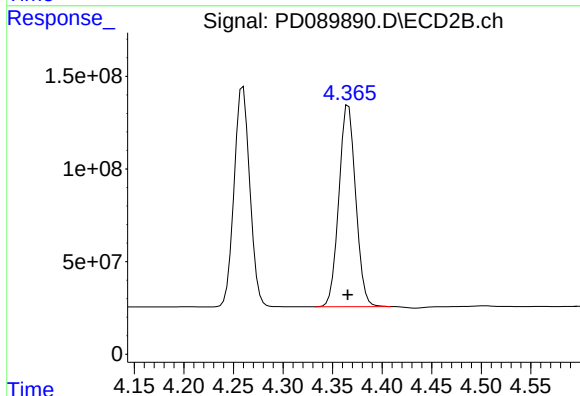
#5 Aldrin

R.T.: 5.275 min
Delta R.T.: 0.007 min
Response: 216575845
Conc: 47.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

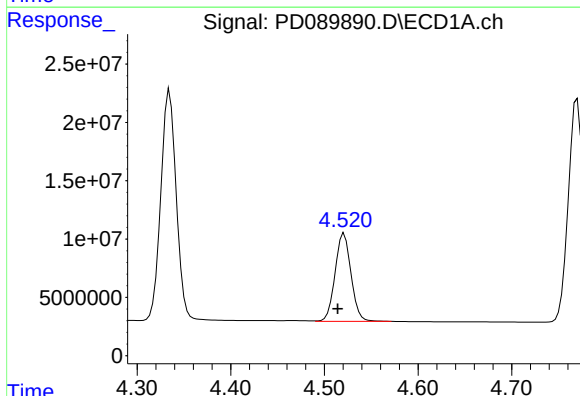
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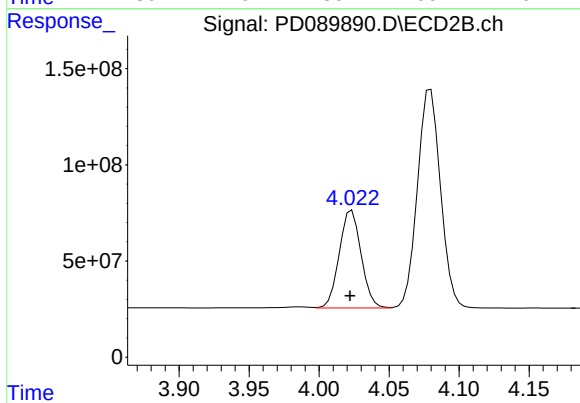
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 1284738599
Conc: 57.74 ng/ml



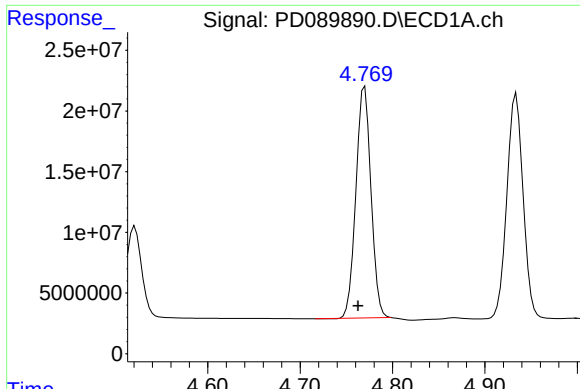
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.007 min
Response: 89205617
Conc: 48.36 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.001 min
Response: 552126073
Conc: 57.22 ng/ml



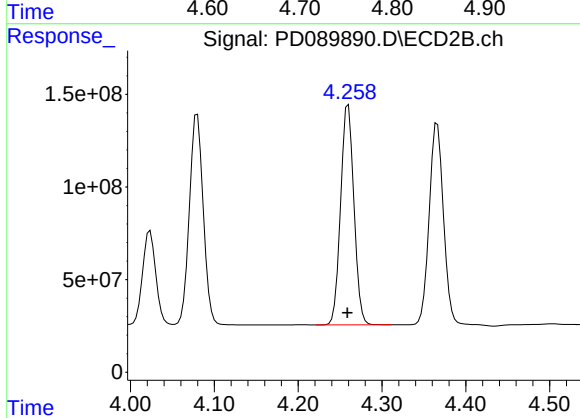
#7 delta-BHC

R.T.: 4.770 min
Delta R.T.: 0.007 min
Response: 216190708
Conc: 47.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

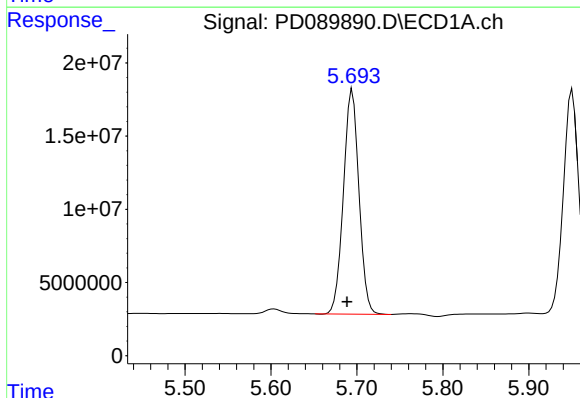
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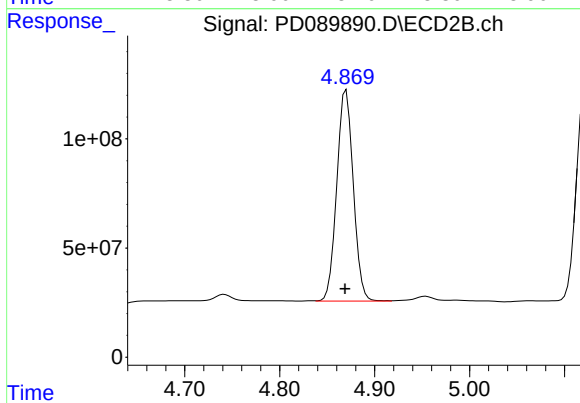
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 1309007233
Conc: 57.63 ng/ml



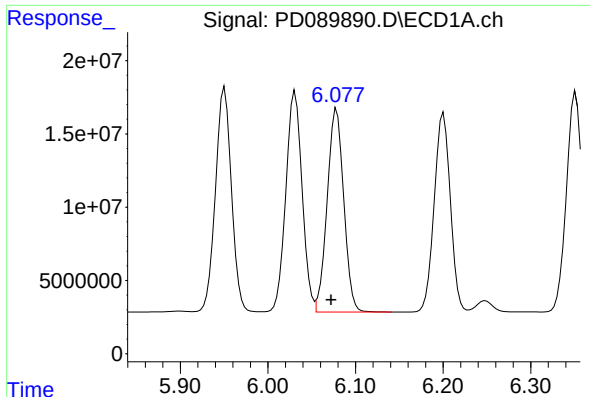
#8 Heptachlor epoxide

R.T.: 5.695 min
Delta R.T.: 0.006 min
Response: 193359397
Conc: 46.25 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: 0.001 min
Response: 1170203771
Conc: 56.94 ng/ml



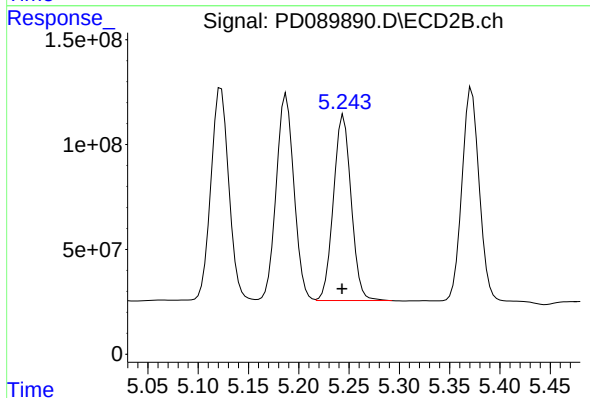
#9 Endosulfan I

R.T.: 6.078 min
Delta R.T.: 0.006 min
Response: 182364661
Conc: 46.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

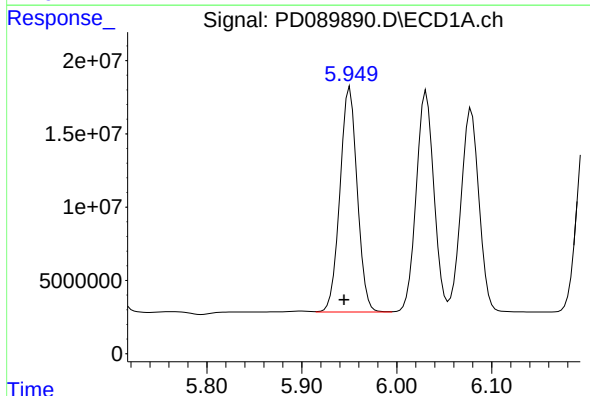
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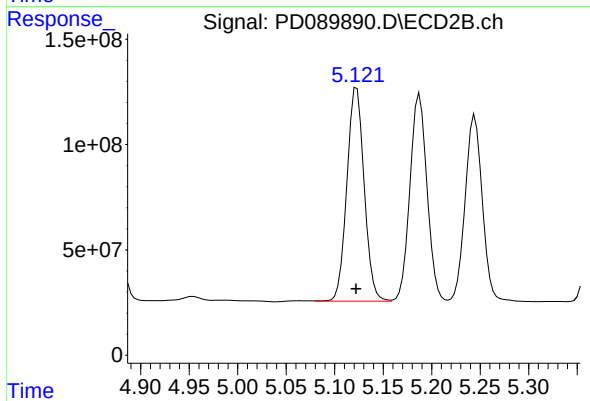
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: 0.001 min
Response: 1082797982
Conc: 55.39 ng/ml



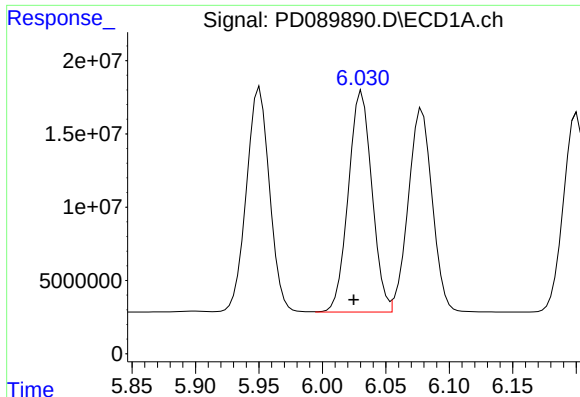
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.006 min
Response: 194362353
Conc: 46.51 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: 0.000 min
Response: 1256650780
Conc: 58.03 ng/ml



#11 alpha-Chlordane

R.T.: 6.031 min
Delta R.T.: 0.006 min
Response: 194698420
Conc: 46.31 ng/ml

Instrument :

ECD_D

ClientSampleId :

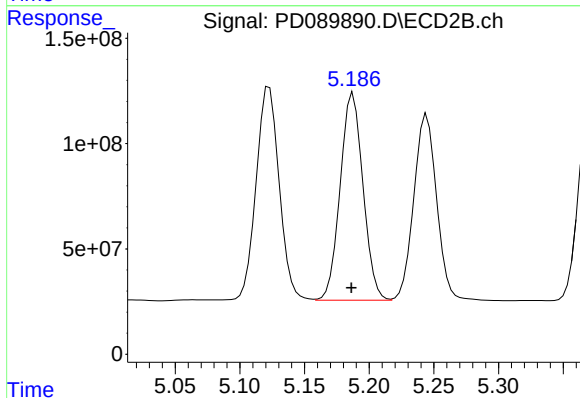
PSTDCCC050

Manual Integrations

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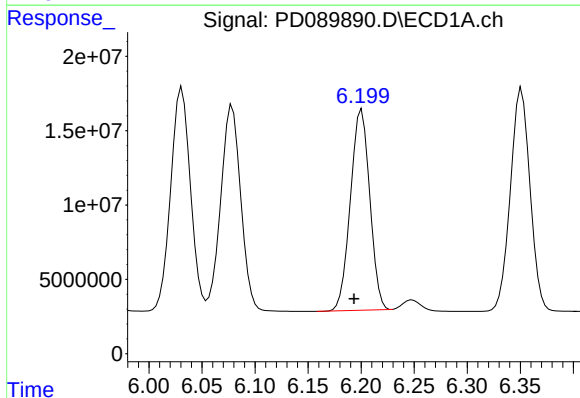
Reviewed By :Abdul Mirza 08/15/2025

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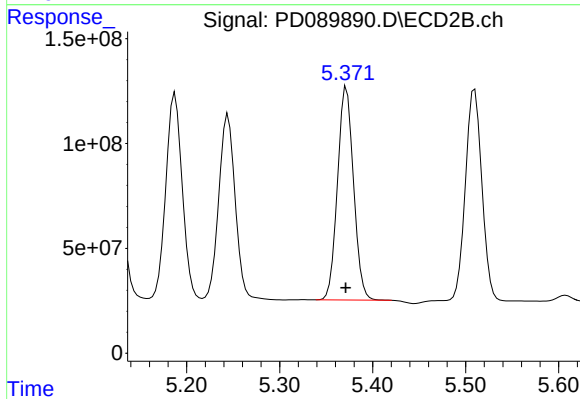
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: 0.001 min
Response: 1205694407
Conc: 57.90 ng/ml



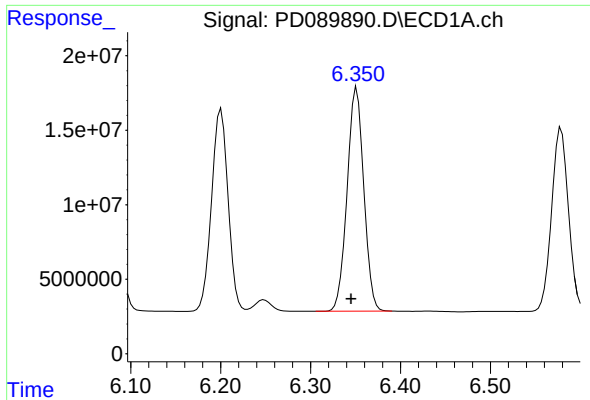
#12 4,4'-DDE

R.T.: 6.200 min
Delta R.T.: 0.007 min
Response: 171293791
Conc: 45.93 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: 0.000 min
Response: 1219316866
Conc: 57.69 ng/ml



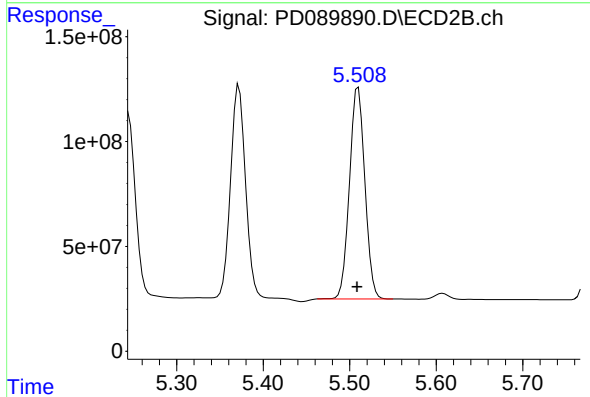
#13 Dieldrin

R.T.: 6.351 min
Delta R.T.: 0.006 min
Response: 193093343
Conc: 45.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

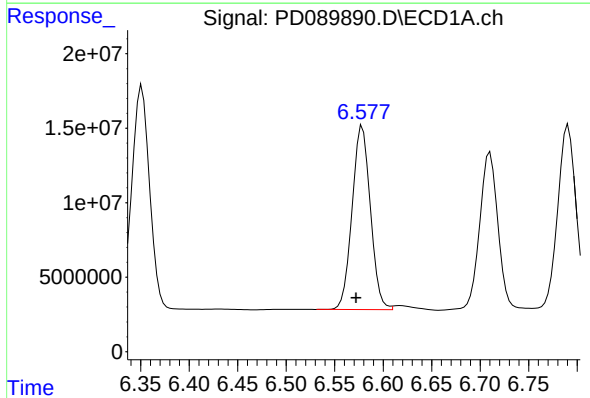
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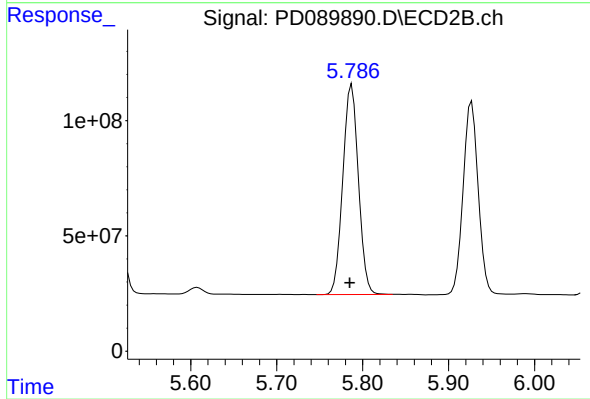
#13 Dieldrin

R.T.: 5.510 min
Delta R.T.: 0.001 min
Response: 1246043382
Conc: 57.58 ng/ml



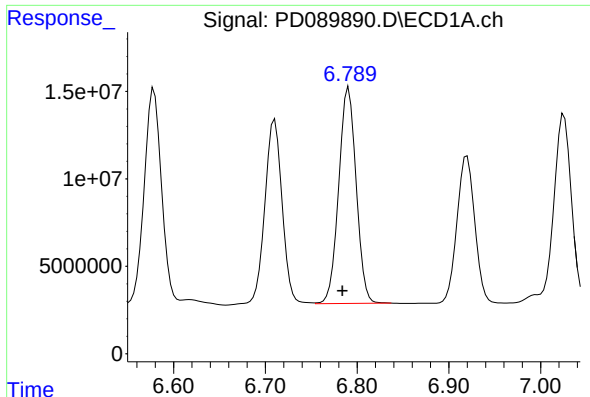
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.006 min
Response: 161905989
Conc: 45.25 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.002 min
Response: 1150870377
Conc: 57.76 ng/ml



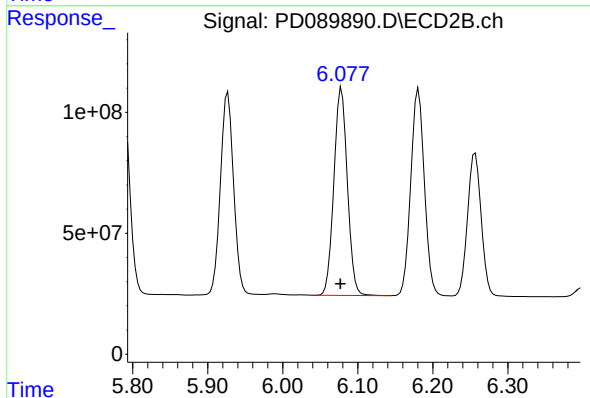
#15 Endosulfan II

R.T.: 6.791 min
Delta R.T.: 0.007 min
Response: 163139883
Conc: 44.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

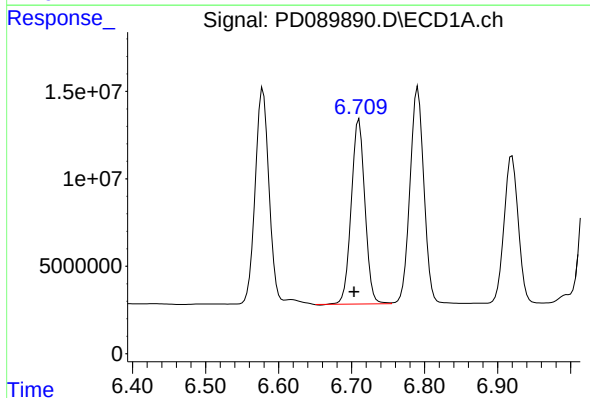
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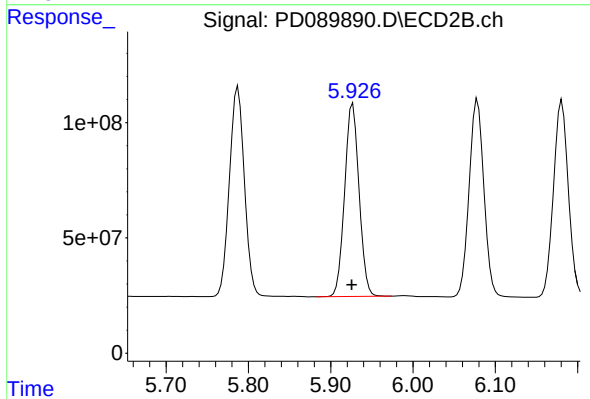
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: 0.002 min
Response: 1073157226
Conc: 57.08 ng/ml



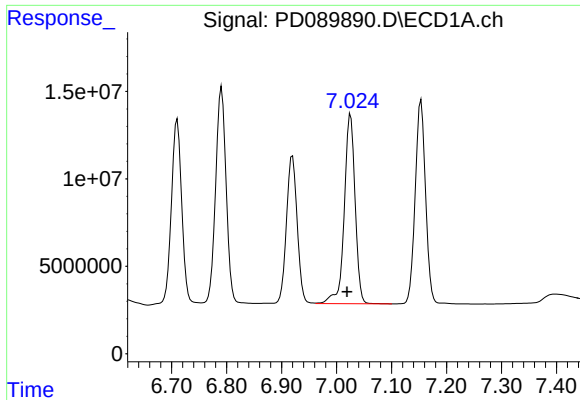
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.007 min
Response: 137381100
Conc: 45.87 ng/ml



#16 4,4'-DDD

R.T.: 5.927 min
Delta R.T.: 0.001 min
Response: 1020607945
Conc: 57.88 ng/ml



#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.006 min
Response: 148528557
Conc: 44.20 ng/ml

Instrument :

ECD_D

ClientSampleId :

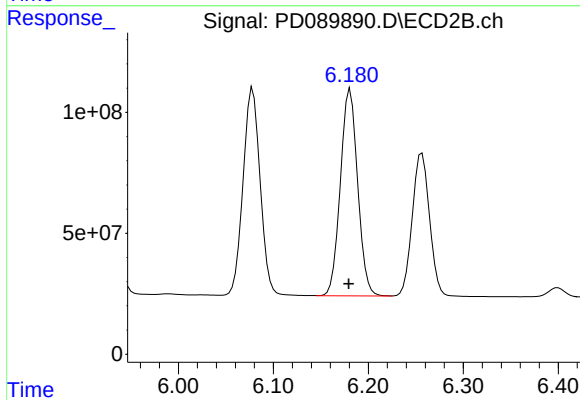
PSTDCCC050

Manual Integrations

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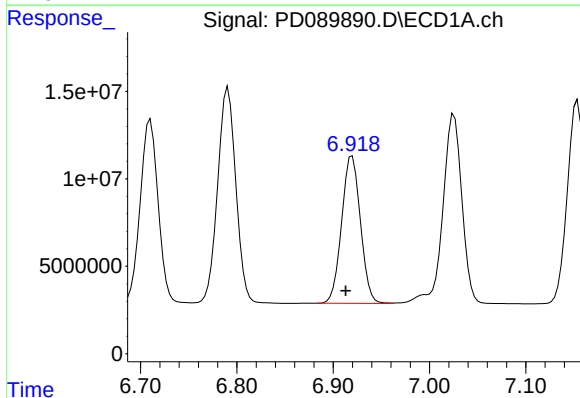
Reviewed By :Abdul Mirza 08/15/2025

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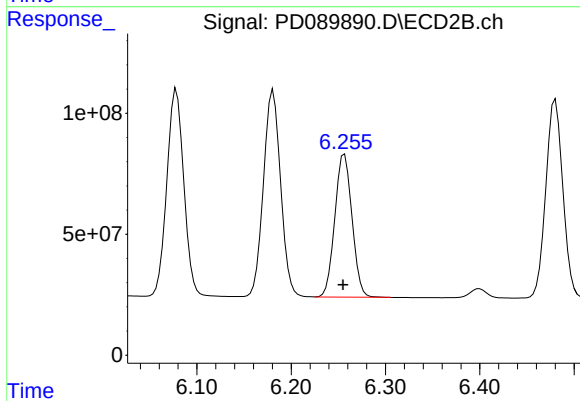
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: 0.002 min
Response: 1082440204
Conc: 58.92 ng/ml



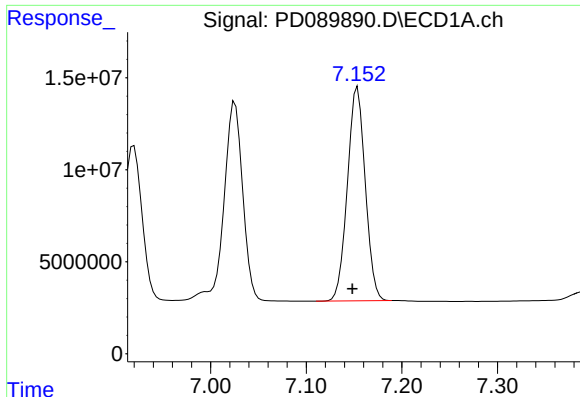
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.007 min
Response: 113890492
Conc: 45.64 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: 0.001 min
Response: 748265394
Conc: 57.91 ng/ml



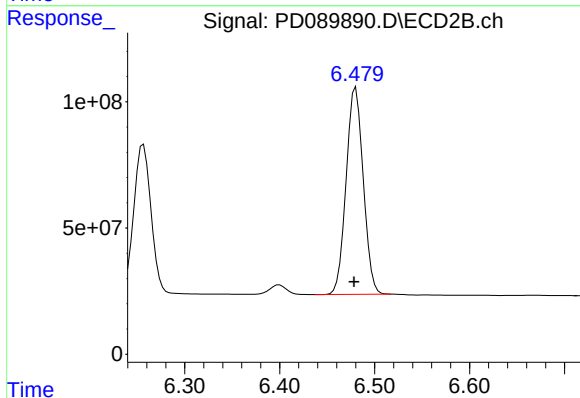
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.006 min
Response: 151417280
Conc: 43.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

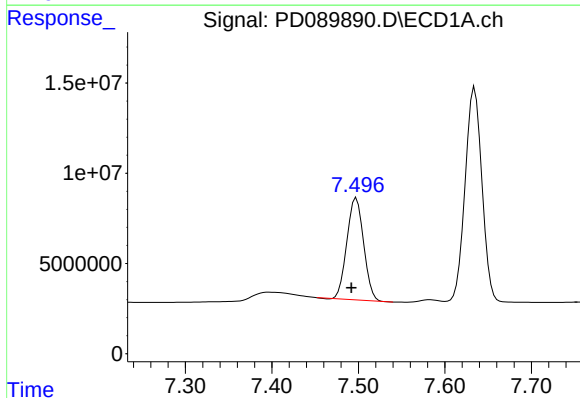
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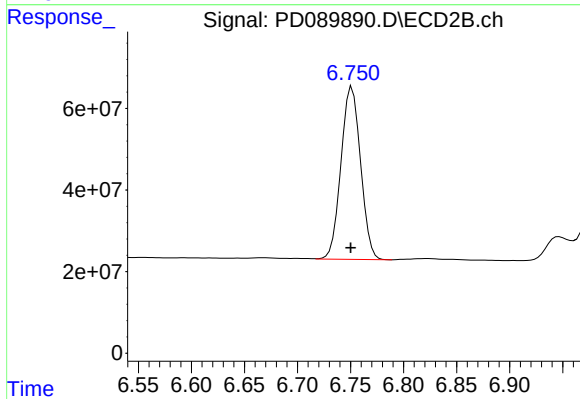
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: 0.002 min
Response: 1027577254
Conc: 55.35 ng/ml



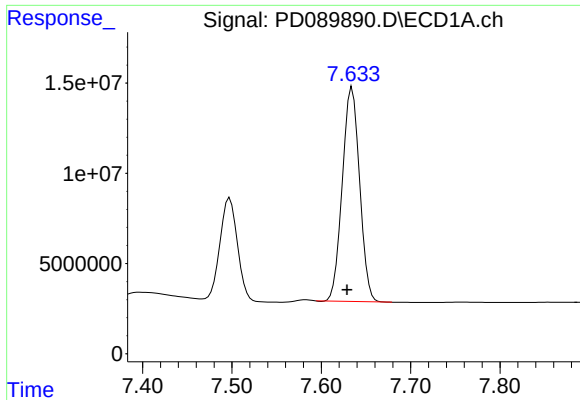
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.006 min
Response: 75429833
Conc: 42.19 ng/ml



#20 Methoxychlor

R.T.: 6.751 min
Delta R.T.: 0.001 min
Response: 542707776
Conc: 55.40 ng/ml



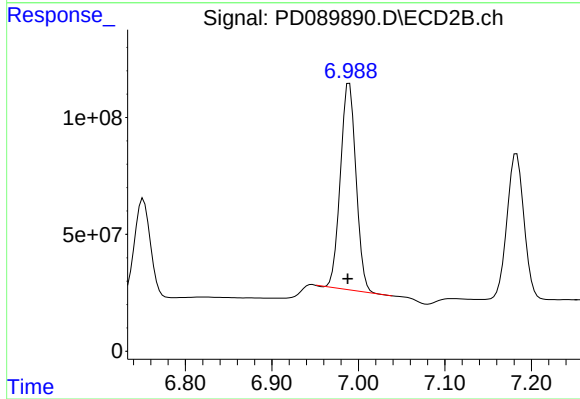
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.006 min
Response: 159654414
Conc: 42.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

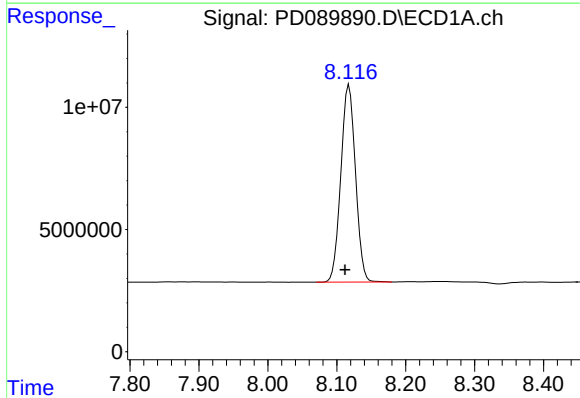
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/15/2025
Supervised By :mohammad ahmed 08/18/2025



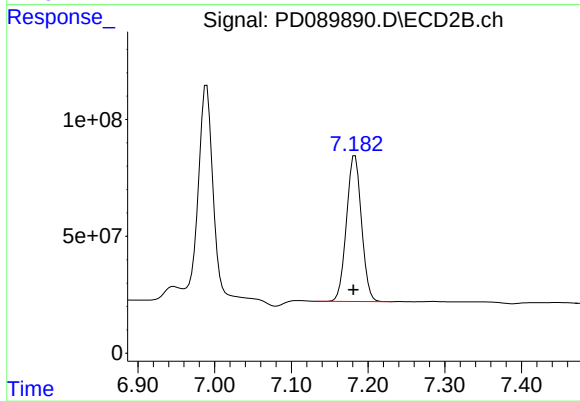
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: 0.002 min
Response: 1095844755
Conc: 54.61 ng/ml



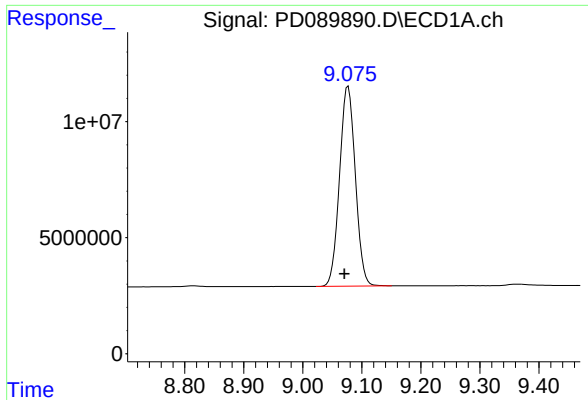
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.006 min
Response: 119348832
Conc: 42.80 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: 0.002 min
Response: 853518154
Conc: 56.07 ng/ml



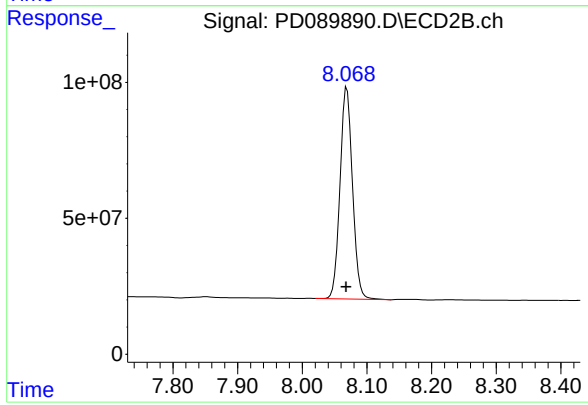
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.006 min
Response: 160124803
Conc: 43.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.069 min
Delta R.T.: 0.001 min
Response: 1042973645
Conc: 51.95 ng/ml