

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081125\
 Data File : PD089852.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Aug 2025 22:21
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/12/2025
 Supervised By :mohammad ahmed 08/13/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 12 01:24:45 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	2.876	126.2E6	948.0E6	51.163	59.856m
28)	SA Decachlor...	9.067	8.065	156.3E6	806.1E6	42.064	40.148m
Target Compounds							
2)	A alpha-BHC	3.996	3.390	262.6E6	1479.4E6	53.004	60.868
3)	MA gamma-BHC...	4.327	3.726	244.8E6	1365.9E6	51.509	60.643
4)	MA Heptachlor	4.925	4.079	229.7E6	1330.1E6	47.742	57.309
5)	MB Aldrin	5.267	4.365	227.4E6	1325.3E6	49.805	59.560
6)	B beta-BHC	4.513	4.022	93843372	577.0E6	50.873	59.796
7)	B delta-BHC	4.761	4.258	236.0E6	1350.7E6	51.466	59.464
8)	B Heptachlo...	5.686	4.868	195.2E6	1180.4E6	46.691	57.442
9)	A Endosulfan I	6.070	5.242	181.8E6	1077.1E6	45.879	55.097
10)	B gamma-Chl...	5.942	5.120	195.7E6	1254.2E6	46.823	57.920
11)	B alpha-Chl...	6.023	5.186	195.0E6	1198.4E6	46.386	57.554
12)	B 4,4'-DDE	6.192	5.370	168.5E6	1198.0E6	45.169	56.680 #
13)	MA Dieldrin	6.343	5.508	188.9E6	1197.5E6	44.720	55.341
14)	MA Endrin	6.570	5.785	150.6E6	1046.6E6	42.087	52.529
15)	B Endosulfa...	6.782	6.076	157.1E6	978.2E6	42.818	52.033
16)	A 4,4'-DDD	6.701	5.924	138.3E6	974.0E6	46.190	55.237
17)	MA 4,4'-DDT	7.016	6.178	135.0E6	893.1E6	40.166m	48.610
18)	B Endrin al...	6.911	6.254	110.9E6	668.0E6	44.441	51.698
19)	B Endosulfa...	7.146	6.477	140.7E6	917.3E6	40.558	49.408
20)	A Methoxychlor	7.489	6.749	69143840	459.1E6	38.672	46.871
21)	B Endrin ke...	7.626	6.986	157.7E6	970.7E6	42.446	48.369
22)	Mirex	8.108	7.179	111.6E6	694.3E6	40.030m	45.611

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081125\
Data File : PD089852.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Aug 2025 22:21
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

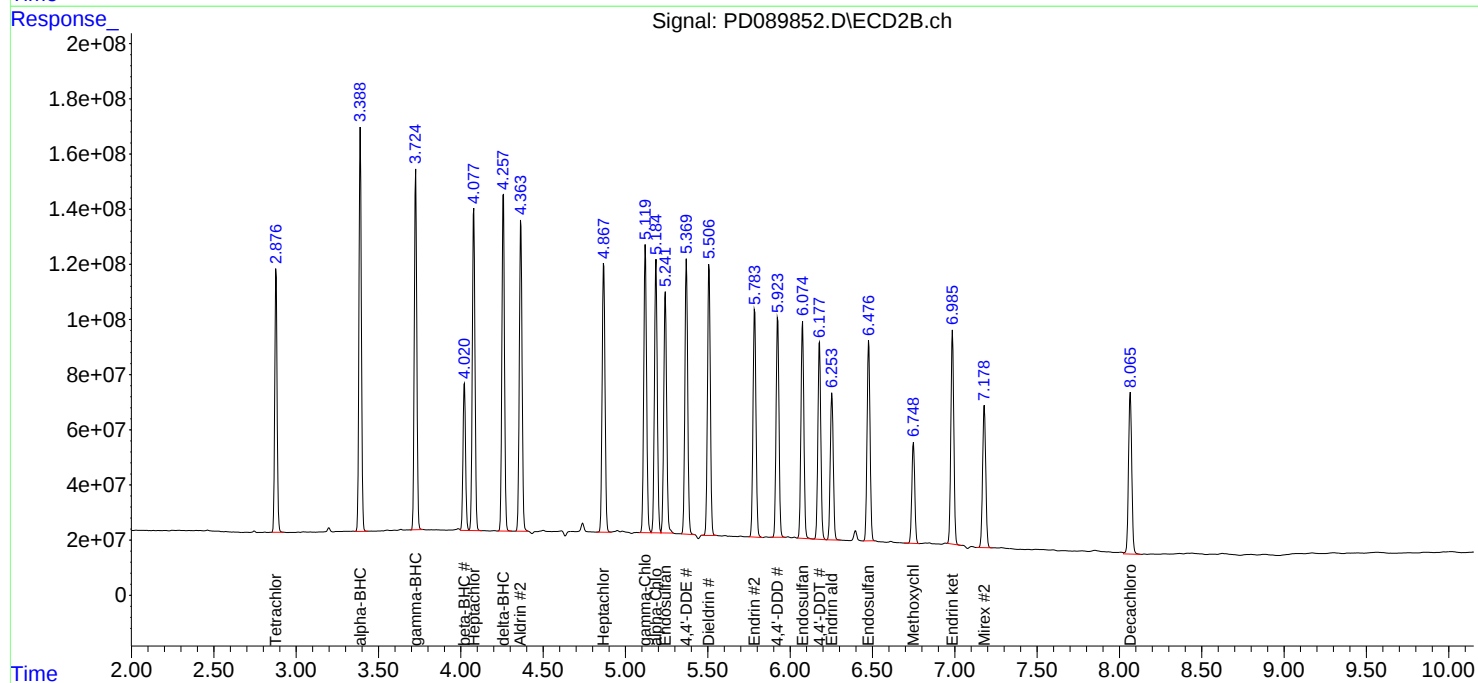
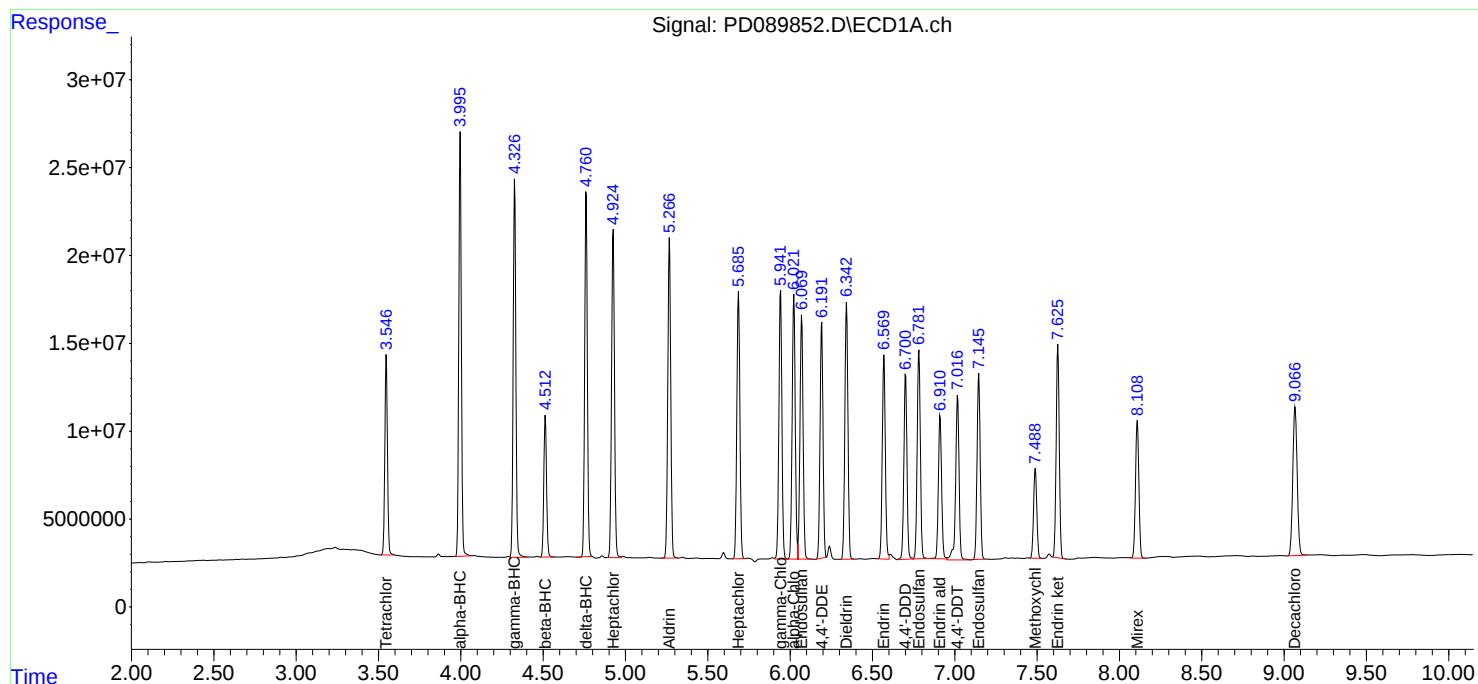
APPROVED

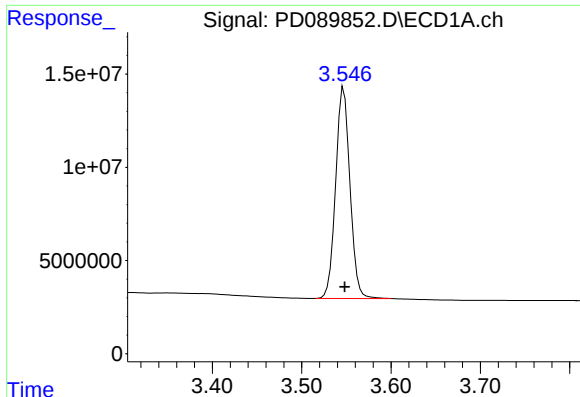
Reviewed By :Abdul Mirza 08/12/2025

Supervised By :mohammad ahmed 08/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 01:24:45 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





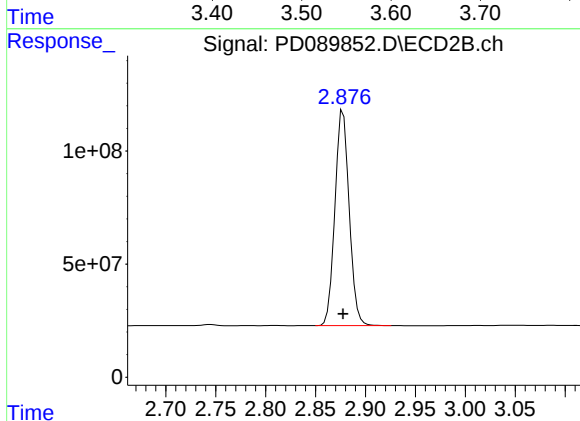
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 126197916
Conc: 51.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

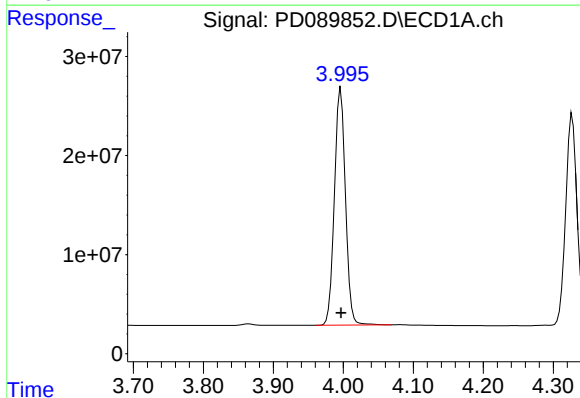
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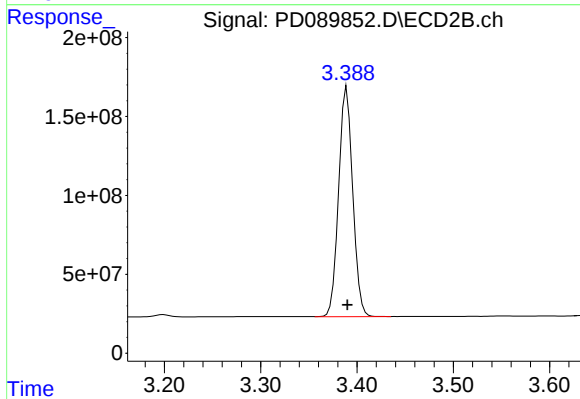
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.001 min
Response: 947997542
Conc: 59.86 ng/ml m



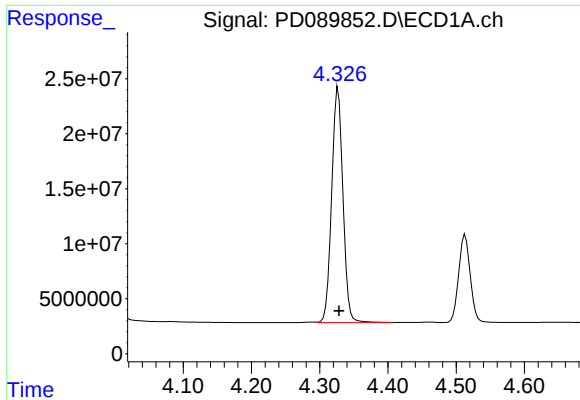
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 262557585
Conc: 53.00 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 1479389218
Conc: 60.87 ng/ml



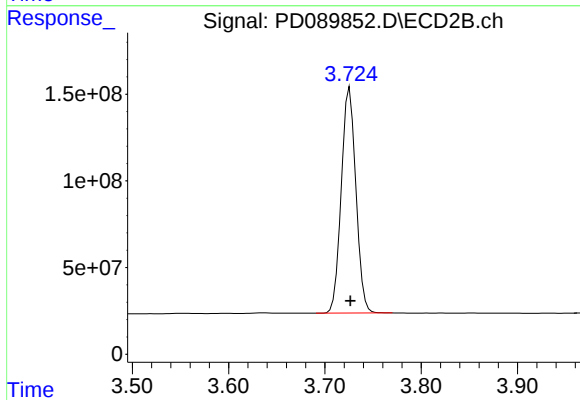
#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 244787251
Conc: 51.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

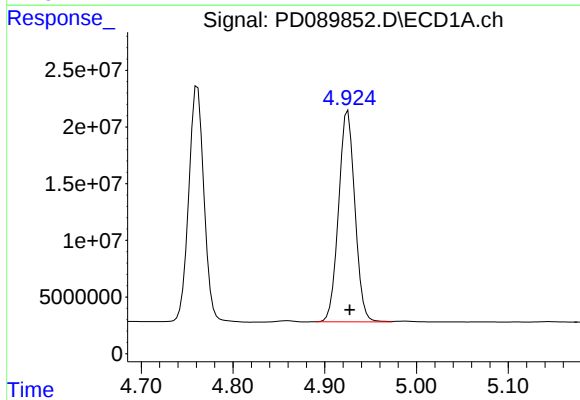
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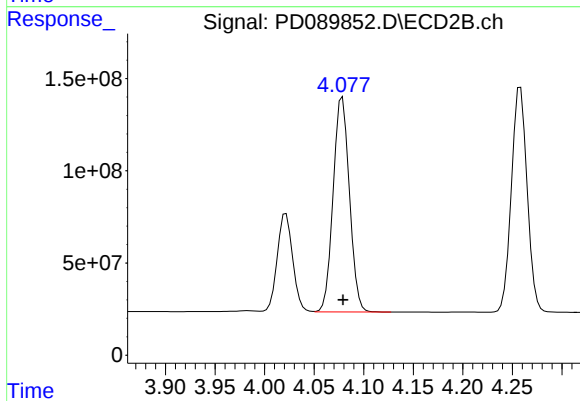
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1365921735
Conc: 60.64 ng/ml



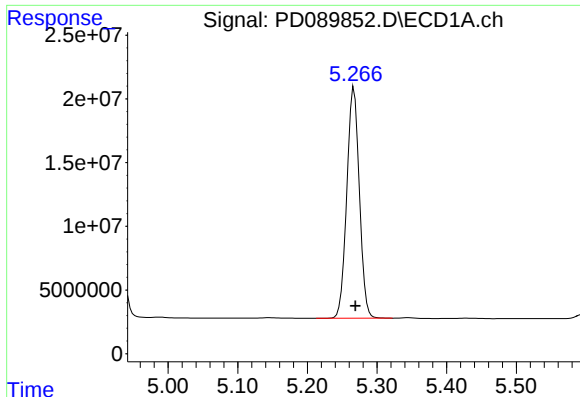
#4 Heptachlor

R.T.: 4.925 min
Delta R.T.: -0.002 min
Response: 229710141
Conc: 47.74 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1330087198
Conc: 57.31 ng/ml



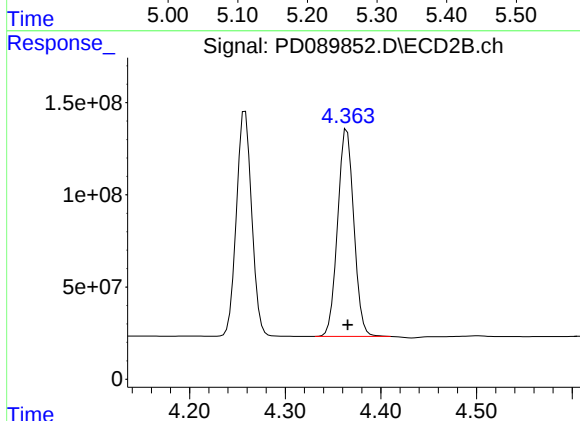
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 227353332
Conc: 49.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

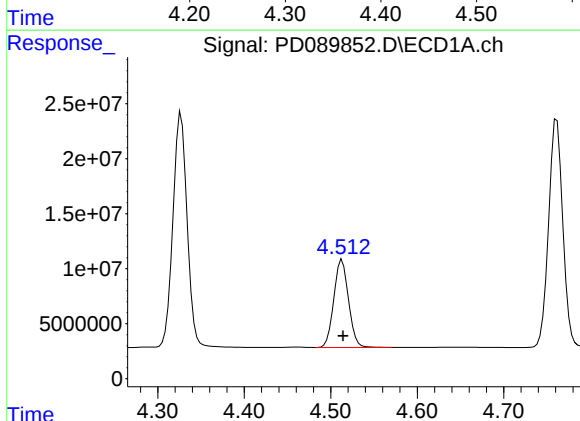
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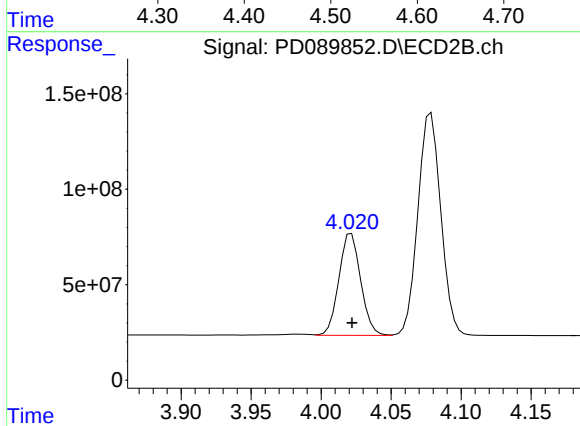
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1325267421
Conc: 59.56 ng/ml



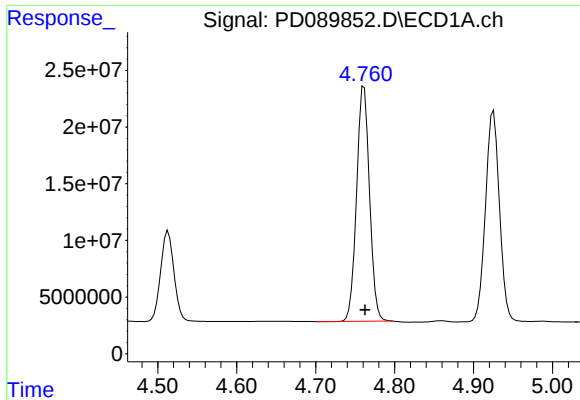
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 93843372
Conc: 50.87 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 576969713
Conc: 59.80 ng/ml



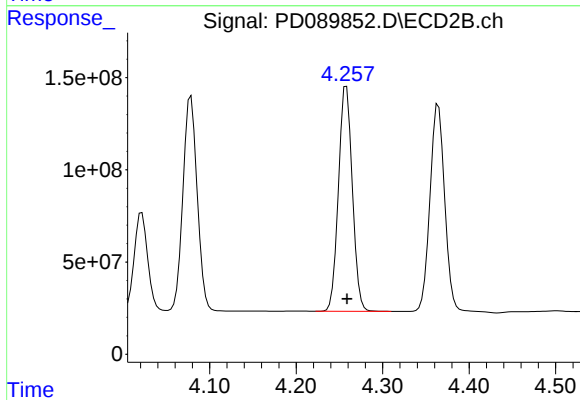
#7 delta-BHC

R.T.: 4.761 min
Delta R.T.: -0.001 min
Response: 236033529
Conc: 51.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

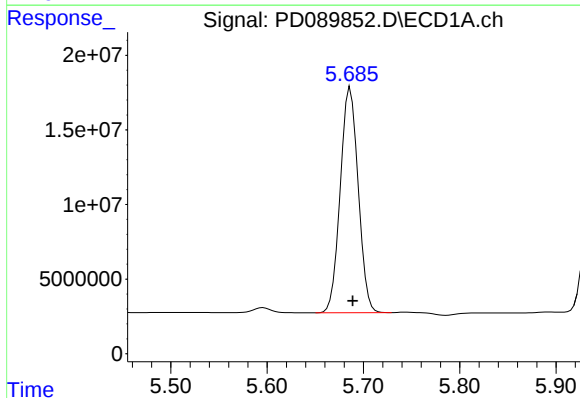
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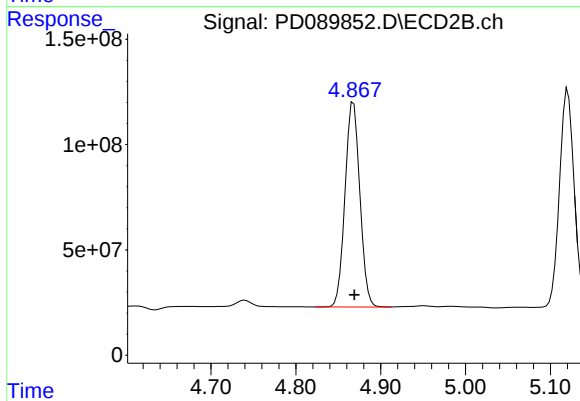
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1350730494
Conc: 59.46 ng/ml



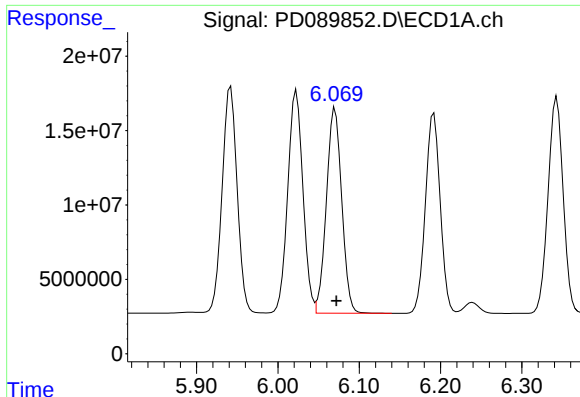
#8 Heptachlor epoxide

R.T.: 5.686 min
Delta R.T.: -0.002 min
Response: 195202888
Conc: 46.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1180423899
Conc: 57.44 ng/ml



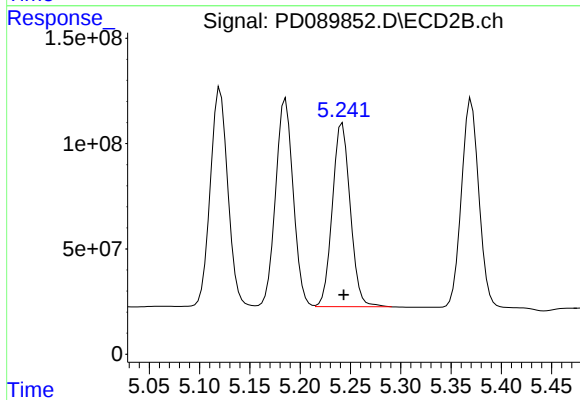
#9 Endosulfan I

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 181846585
Conc: 45.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

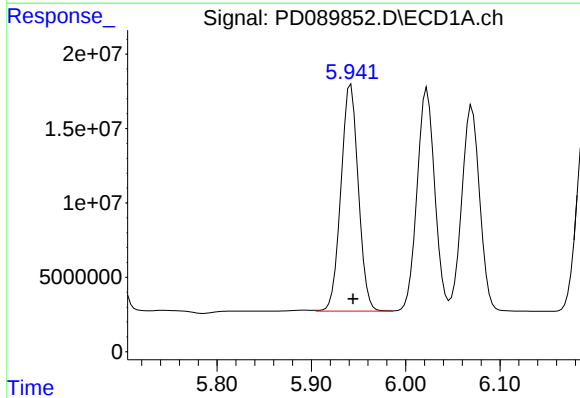
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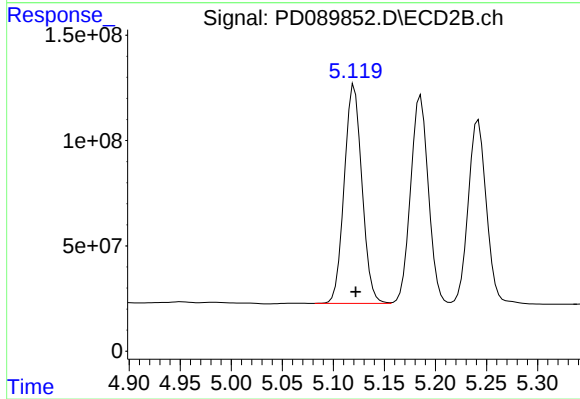
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 1077052703
Conc: 55.10 ng/ml



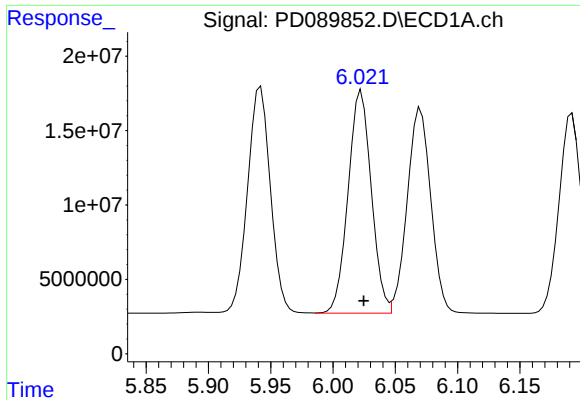
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.002 min
Response: 195677333
Conc: 46.82 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: -0.001 min
Response: 1254163052
Conc: 57.92 ng/ml



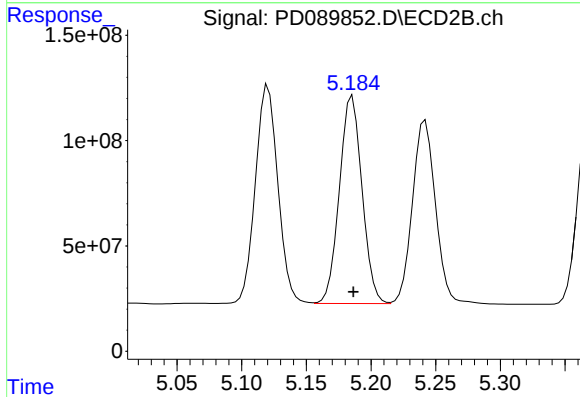
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 195015777
Conc: 46.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

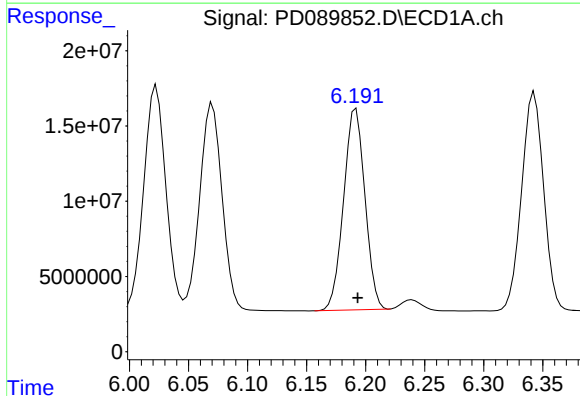
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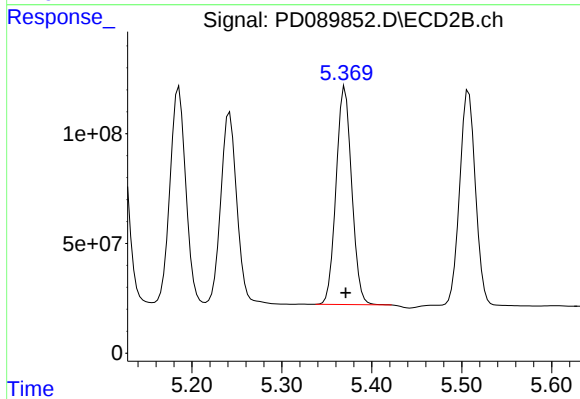
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1198394761
Conc: 57.55 ng/ml



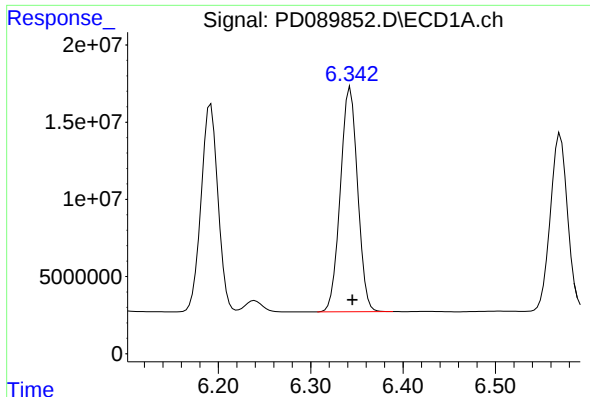
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 168468210
Conc: 45.17 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1198042362
Conc: 56.68 ng/ml



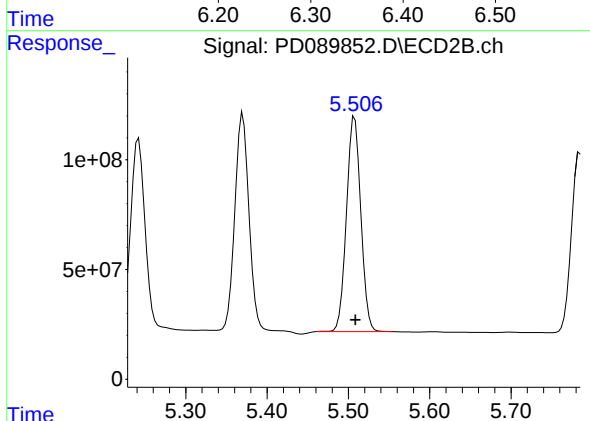
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 188872414
Conc: 44.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

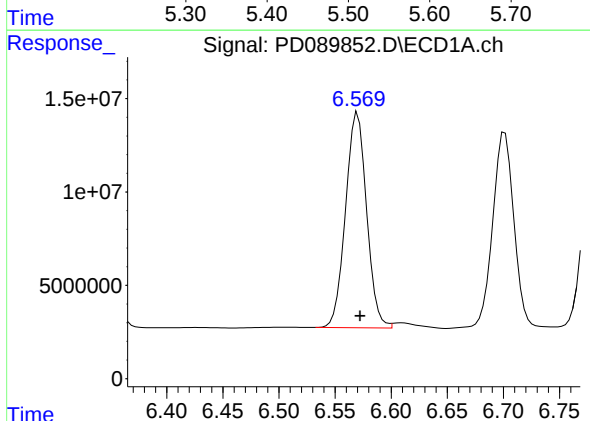
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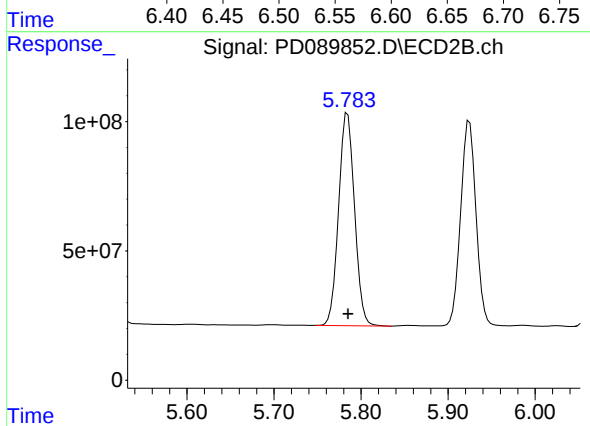
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1197513196
Conc: 55.34 ng/ml



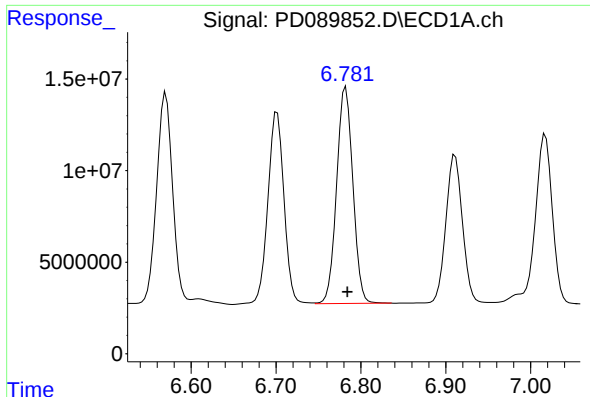
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 150575741
Conc: 42.09 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1046643649
Conc: 52.53 ng/ml



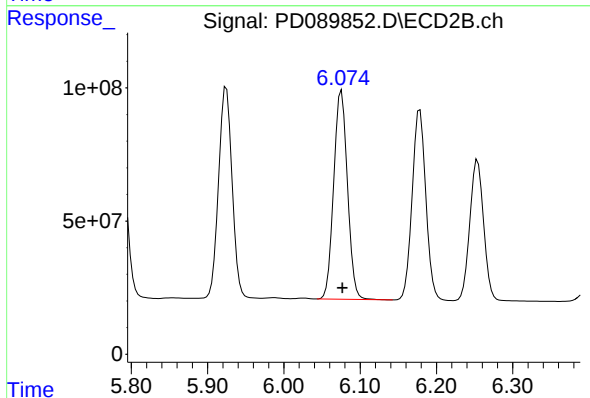
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: -0.002 min
Response: 157114652
Conc: 42.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

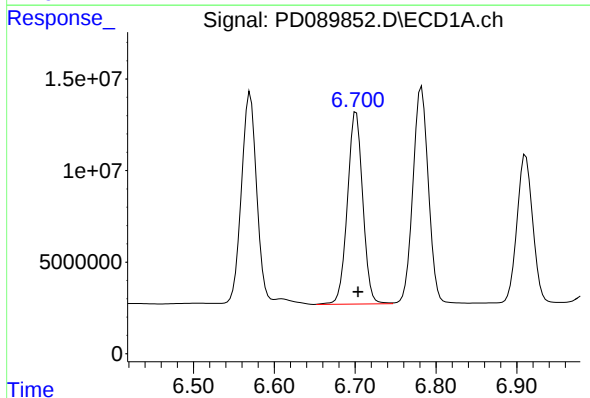
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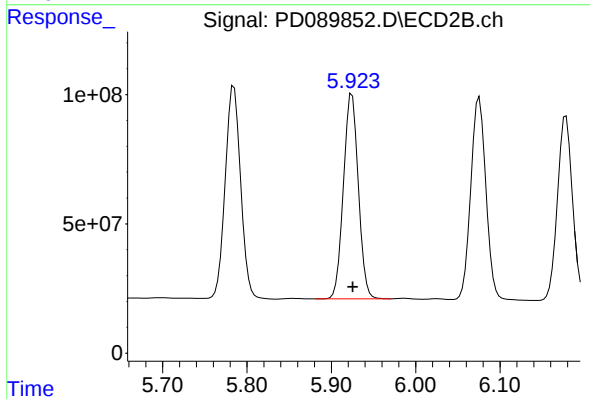
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: -0.001 min
Response: 978196866
Conc: 52.03 ng/ml



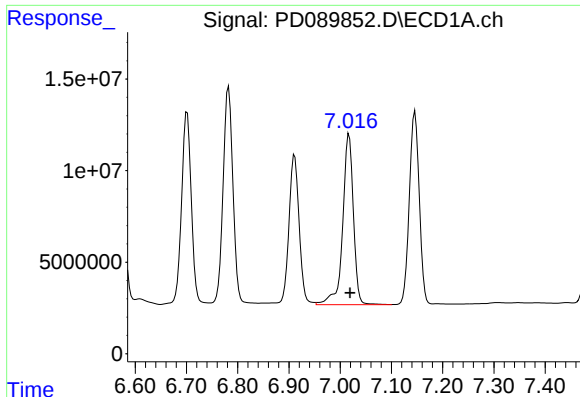
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 138329628
Conc: 46.19 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 973974540
Conc: 55.24 ng/ml



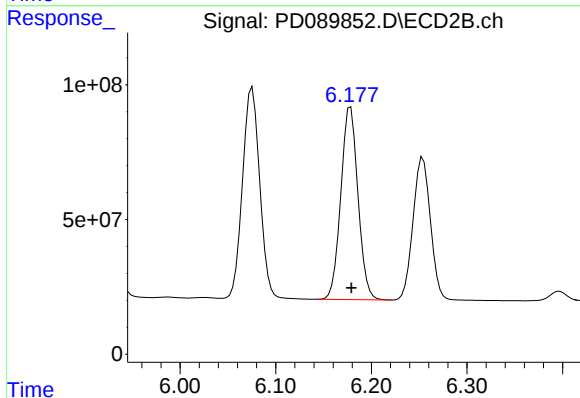
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: -0.003 min
Response: 134966013
Conc: 40.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

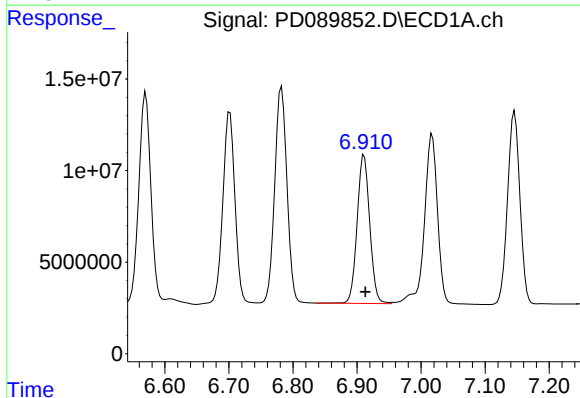
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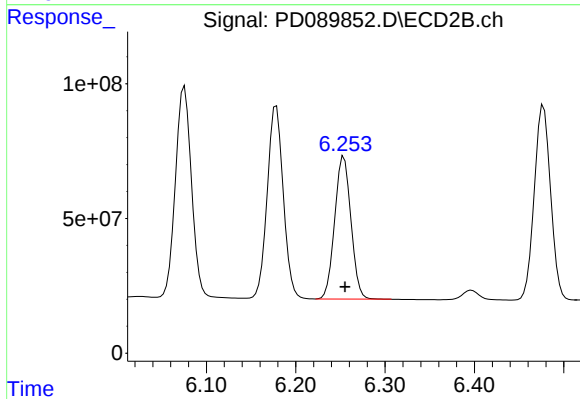
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 893093553
Conc: 48.61 ng/ml



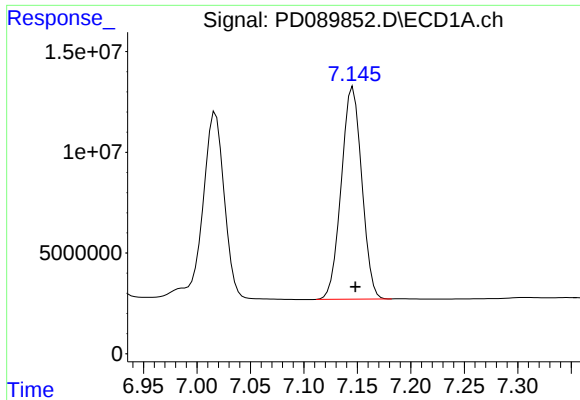
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 110904523
Conc: 44.44 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 667957840
Conc: 51.70 ng/ml



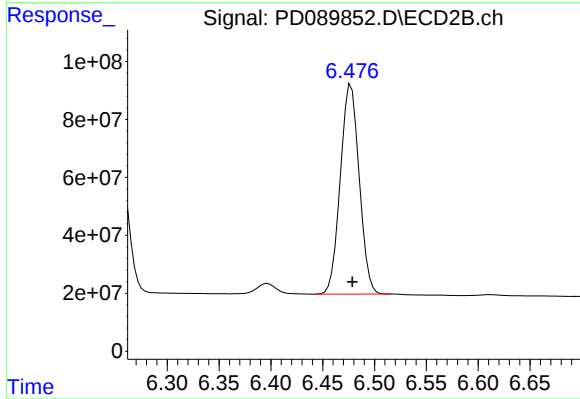
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 140739131
Conc: 40.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

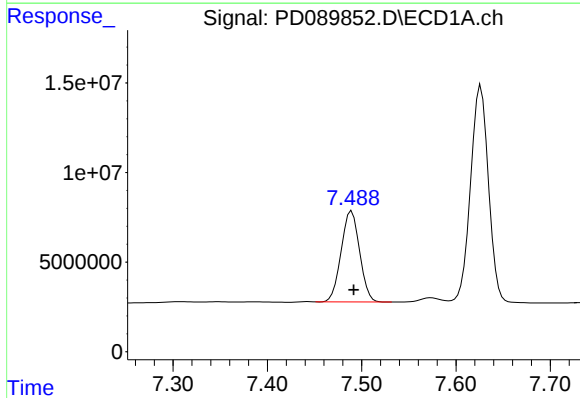
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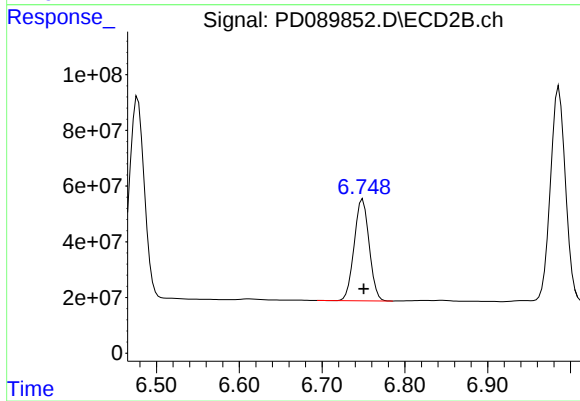
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: -0.001 min
Response: 917286790
Conc: 49.41 ng/ml



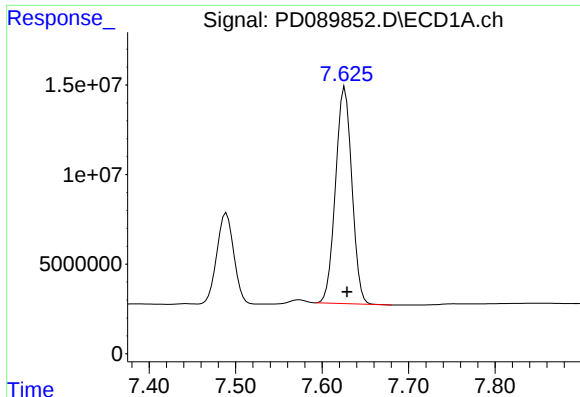
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 69143840
Conc: 38.67 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 459121379
Conc: 46.87 ng/ml



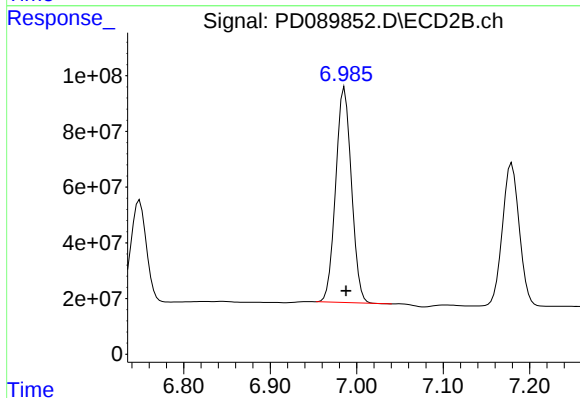
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.002 min
Response: 157650595
Conc: 42.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

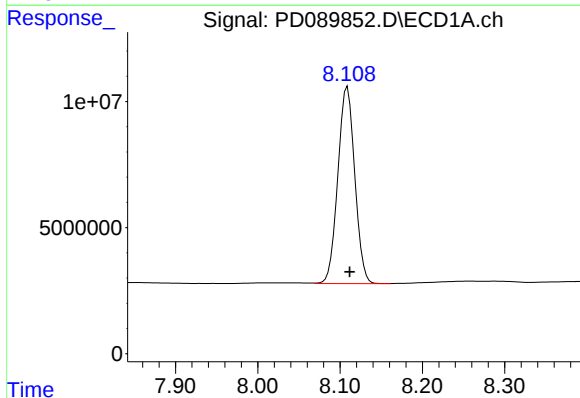
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 08/12/2025
Supervised By :mohammad ahmed 08/13/2025



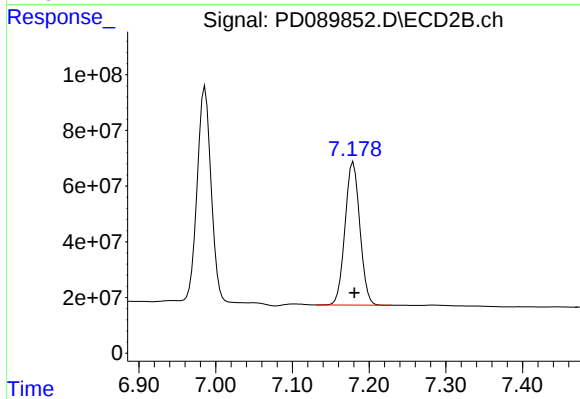
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.002 min
Response: 970683518
Conc: 48.37 ng/ml



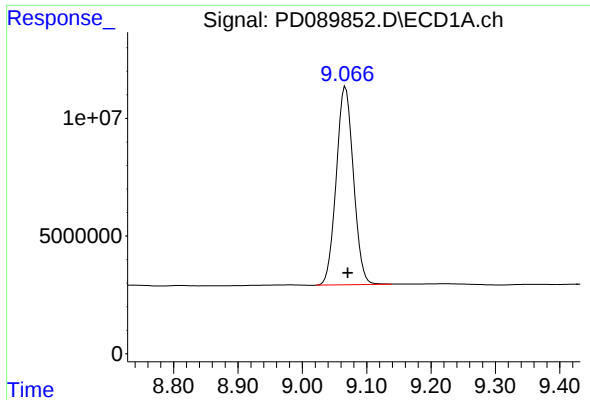
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.004 min
Response: 111616410
Conc: 40.03 ng/ml m



#22 Mirex

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 694256203
Conc: 45.61 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 156320737
Conc: 42.06 ng/ml

Instrument :

ECD_D

ClientSampleId :

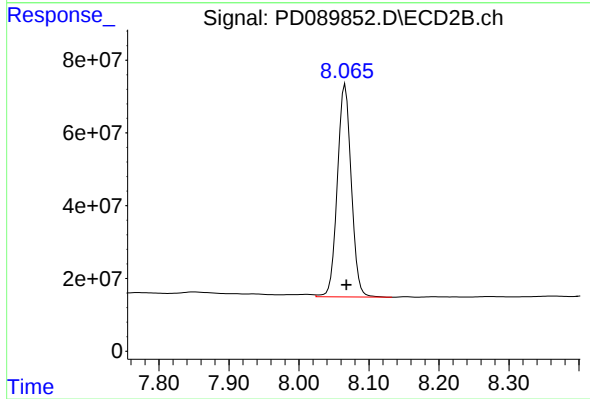
PSTDCCC050

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: -0.003 min
Response: 806099192
Conc: 40.15 ng/ml m