

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080925\
 Data File : PD089824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 Aug 2025 18:37
 Operator : AR\AJ
 Sample : Q2795-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-1MSD

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 01:36:06 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	39857997	304.5E6	16.159	19.227m
28)	SA Decachlor...	9.067	8.066	47848826	264.0E6	12.876	13.147
Target Compounds							
2)	A alpha-BHC	3.996	3.389	252.6E6	1374.0E6	50.993	56.530m
3)	MA gamma-BHC...	4.327	3.726	251.1E6	1260.7E6	52.831	55.973
4)	MA Heptachlor	4.926	4.079	217.5E6	1203.1E6	45.198	51.836
5)	MB Aldrin	5.267	4.364	227.1E6	1247.4E6	49.750	56.061
6)	B beta-BHC	4.514	4.022	89708718	563.4E6	48.631	58.389
7)	B delta-BHC	4.762	4.258	239.8E6	1273.8E6	52.287	56.078
8)	B Heptachlo...	5.687	4.868	200.4E6	1127.3E6	47.934	54.855
9)	A Endosulfan I	6.071	5.243	188.6E6	1008.7E6	47.577	51.599
10)	B gamma-Chl...	5.943	5.119	200.1E6	1210.5E6	47.870	55.904m
11)	B alpha-Chl...	6.023	5.185	200.9E6	1157.0E6	47.783	55.568
12)	B 4,4'-DDE	6.193	5.370	180.7E6	1165.9E6	48.441	55.160
13)	MA Dieldrin	6.343	5.508	195.4E6	1175.5E6	46.275	54.322
14)	MA Endrin	6.570	5.784	157.9E6	1029.4E6	44.136	51.661
15)	B Endosulfa...	6.783	6.074	163.3E6	1004.6E6	44.514	53.435m
16)	A 4,4'-DDD	6.701	5.925	147.7E6	960.5E6	49.333	54.476
17)	MA 4,4'-DDT	7.017	6.178	129.0E6	898.7E6	38.391	48.914 #
18)	B Endrin al...	6.911	6.254	120.2E6	754.1E6	48.160	58.364
19)	B Endosulfa...	7.146	6.477	151.8E6	934.5E6	43.757	50.335
20)	A Methoxychlor	7.490	6.749	62877452	426.5E6	35.167	43.545
21)	B Endrin ke...	7.627	6.986	158.0E6	986.6E6	42.545	49.164
22)	Mirex	8.109	7.180	116.4E6	775.7E6	41.729	50.963

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

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Data File : PD089824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 08 Aug 2025 18:37
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Sample : Q2795-01MSD
Misc :
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ClientSampleId :

COMP-1MSD

Manual Integrations

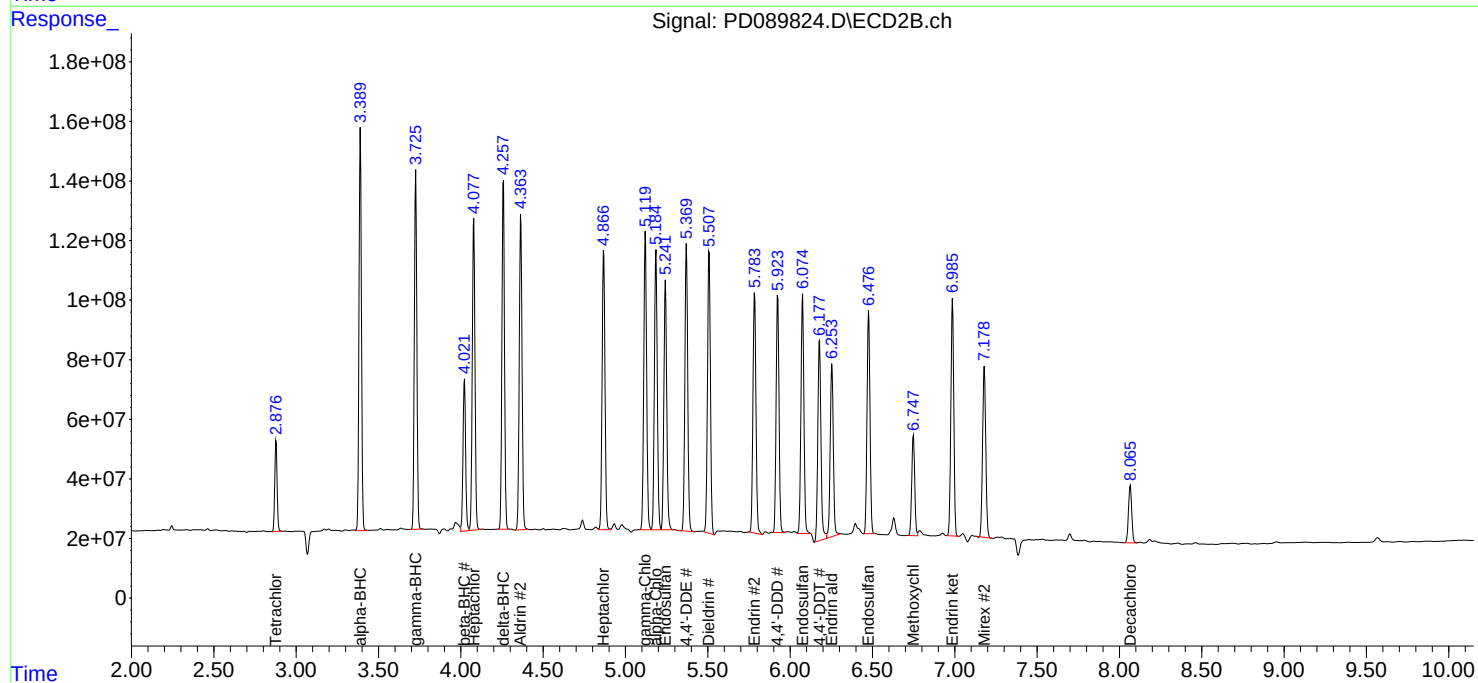
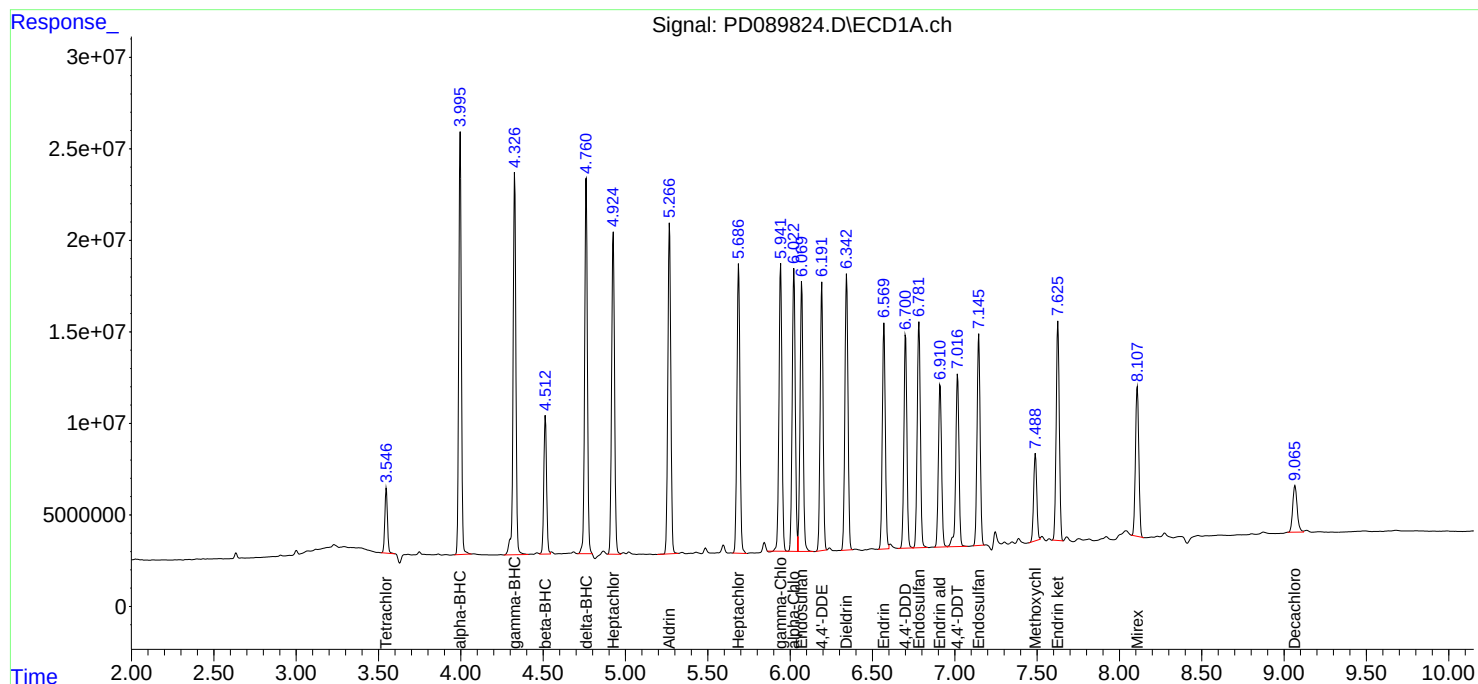
APPROVED

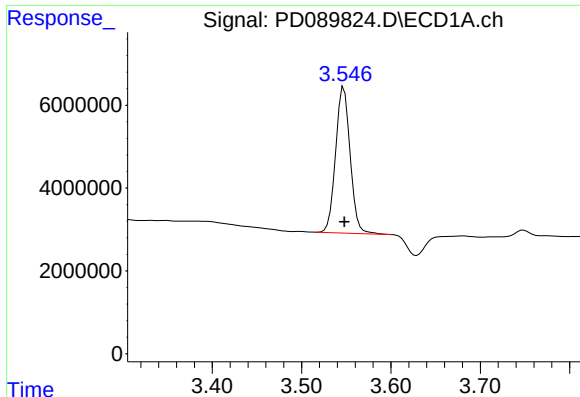
Reviewed By :Abdul Mirza 08/11/2025

Supervised By :mohammad ahmed 08/12/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 11 01:36:06 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





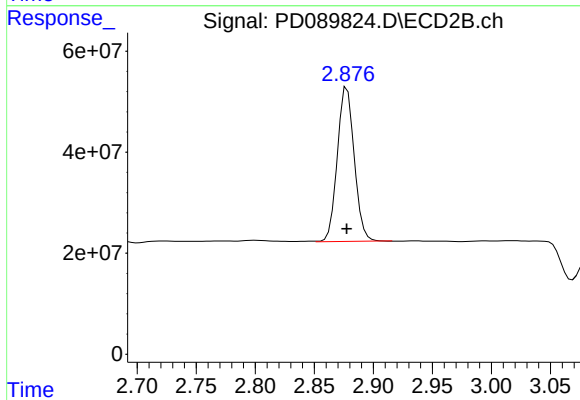
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: 0.000 min
Response: 39857997
Conc: 16.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

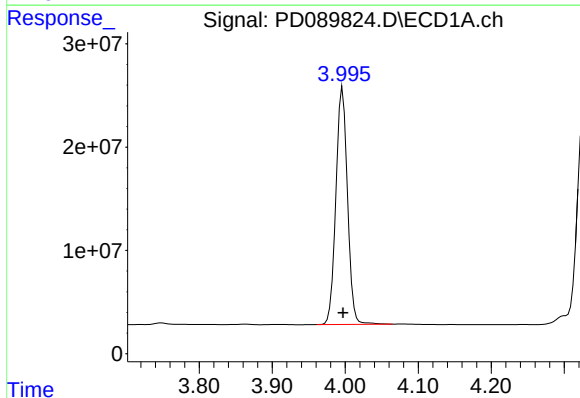
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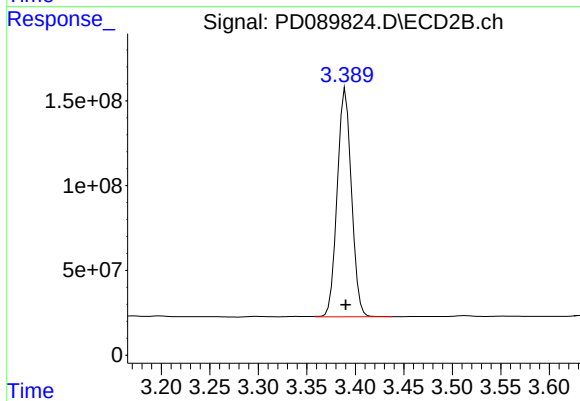
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.001 min
Response: 304520904
Conc: 19.23 ng/ml m



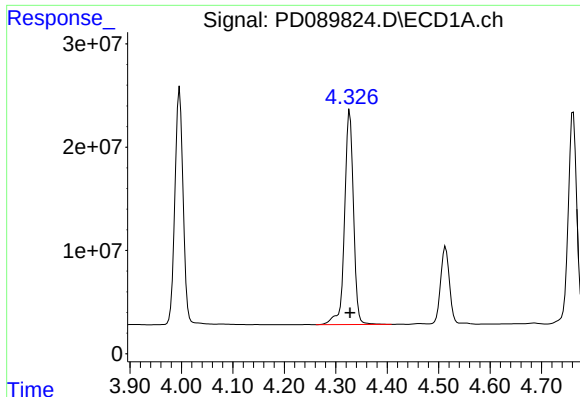
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: 0.000 min
Response: 252596666
Conc: 50.99 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1373955843
Conc: 56.53 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 251070253
Conc: 52.83 ng/ml

Instrument :

ECD_D

ClientSampleId :

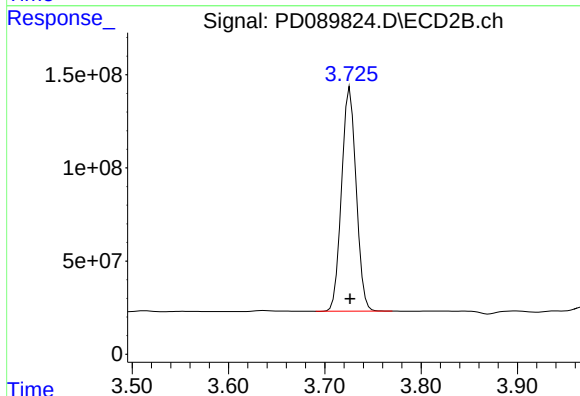
COMP-1MSD

Manual Integrations

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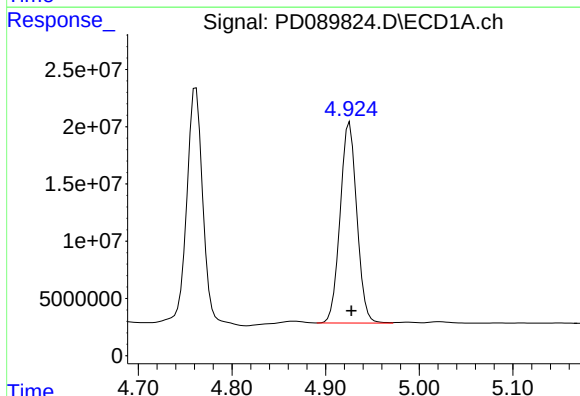
Reviewed By :Abdul Mirza 08/11/2025

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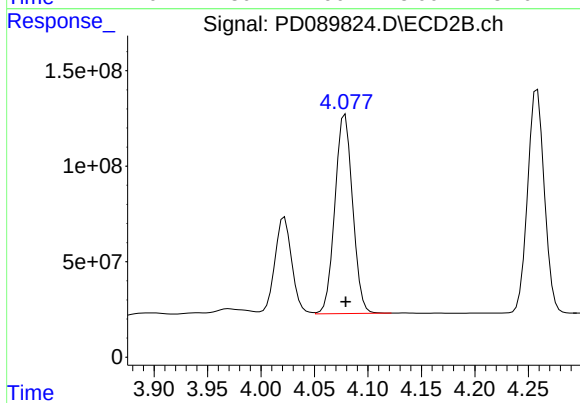
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1260730585
Conc: 55.97 ng/ml



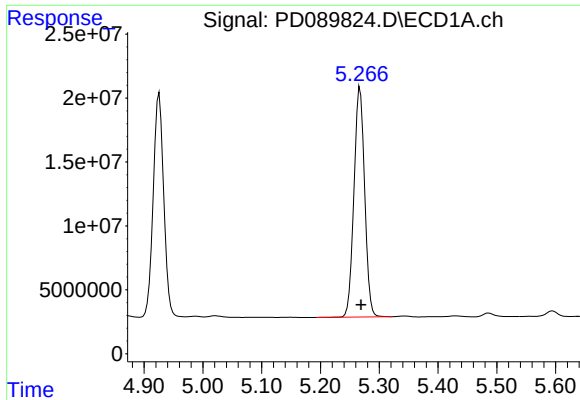
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.002 min
Response: 217473227
Conc: 45.20 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1203062554
Conc: 51.84 ng/ml



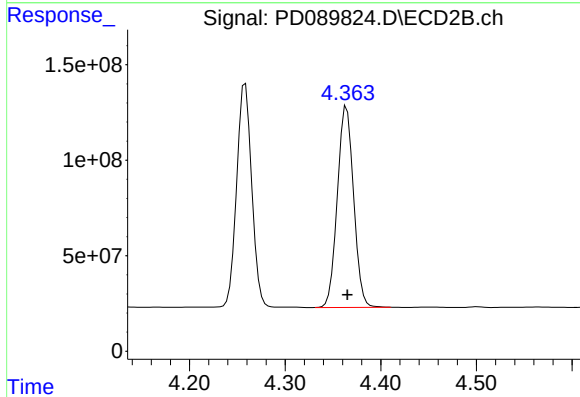
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.001 min
Response: 227101939
Conc: 49.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

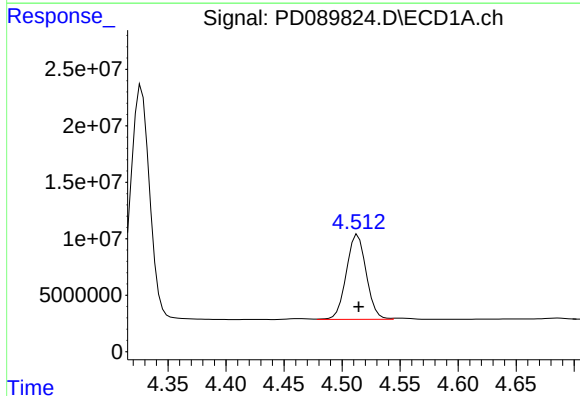
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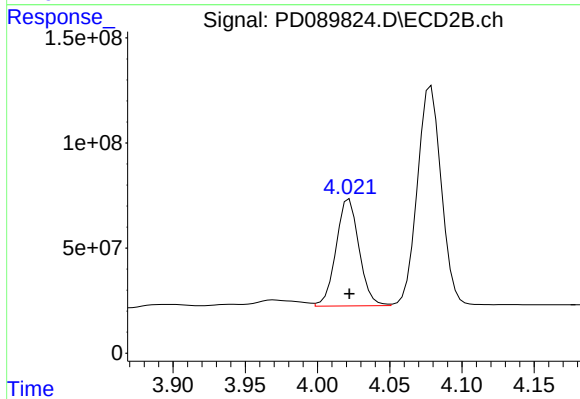
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1247400158
Conc: 56.06 ng/ml



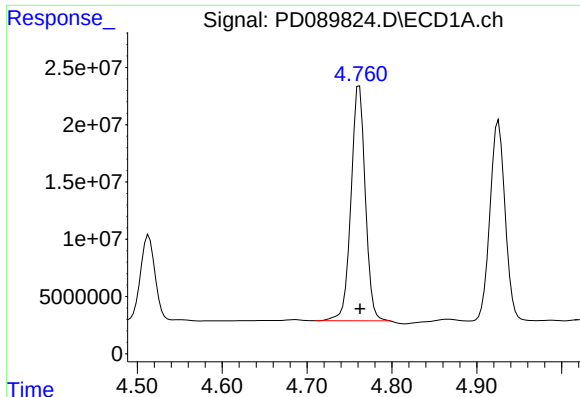
#6 beta-BHC

R.T.: 4.514 min
Delta R.T.: 0.000 min
Response: 89708718
Conc: 48.63 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 563391391
Conc: 58.39 ng/ml



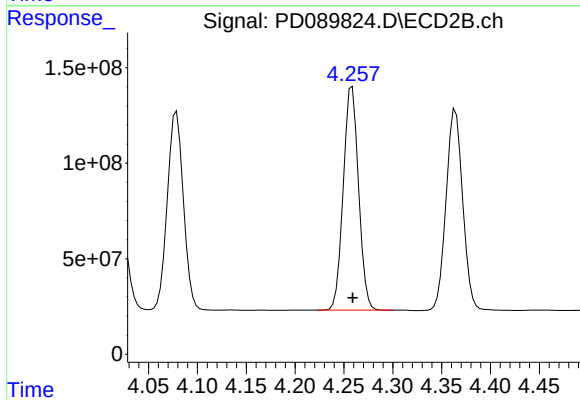
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: 0.000 min
Response: 239798770
Conc: 52.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

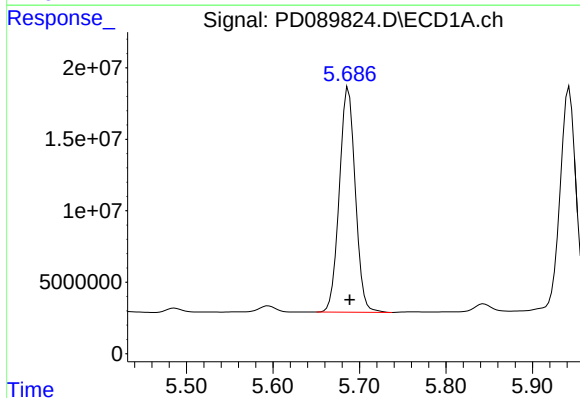
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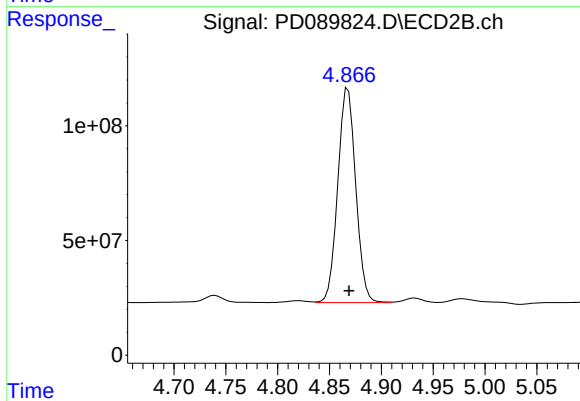
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1273809089
Conc: 56.08 ng/ml



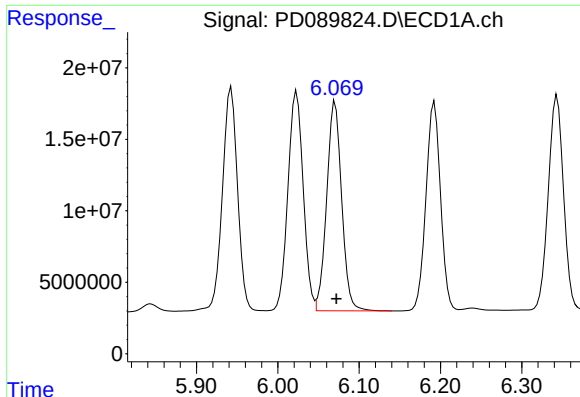
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 200399663
Conc: 47.93 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 1127253074
Conc: 54.85 ng/ml



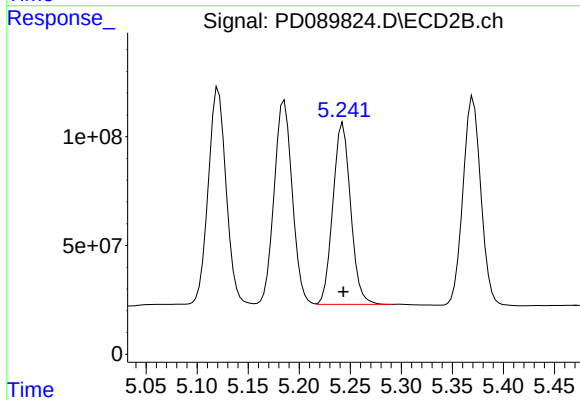
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 188576056
Conc: 47.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

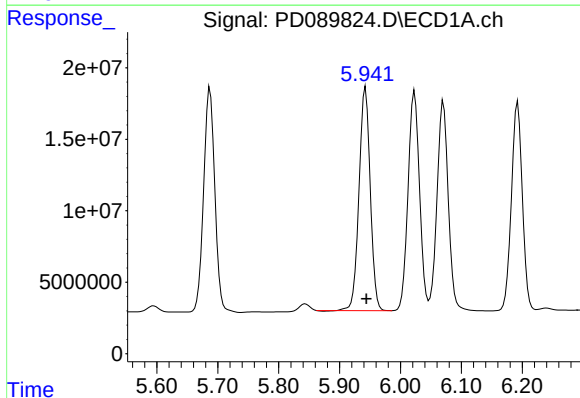
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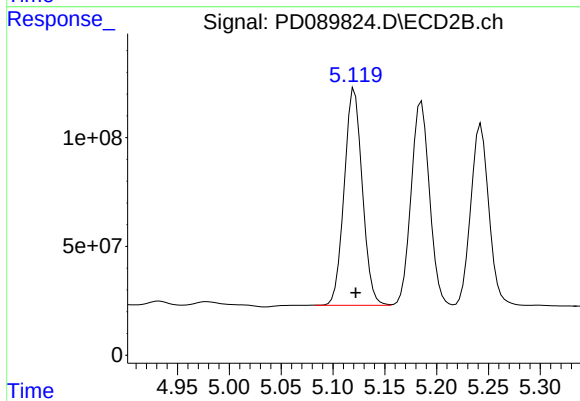
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.000 min
Response: 1008676615
Conc: 51.60 ng/ml



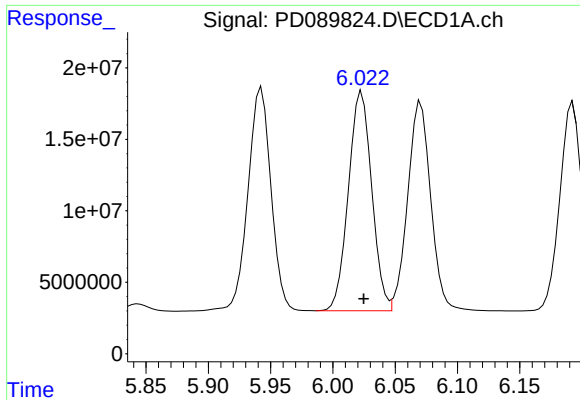
#10 gamma-Chlordane

R.T.: 5.943 min
Delta R.T.: -0.002 min
Response: 200053677
Conc: 47.87 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.003 min
Response: 1210514771
Conc: 55.90 ng/ml m



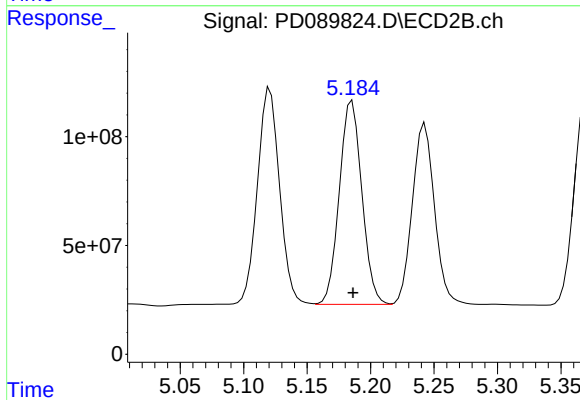
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 200887453
Conc: 47.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

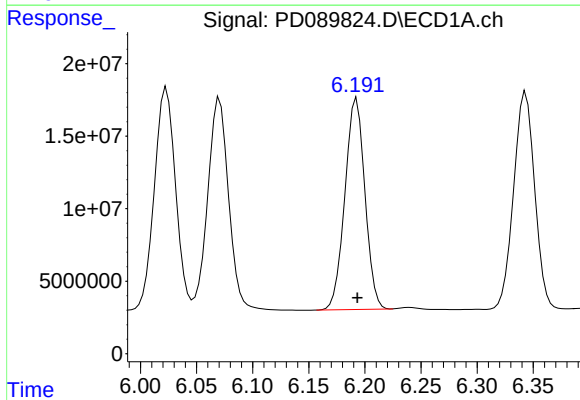
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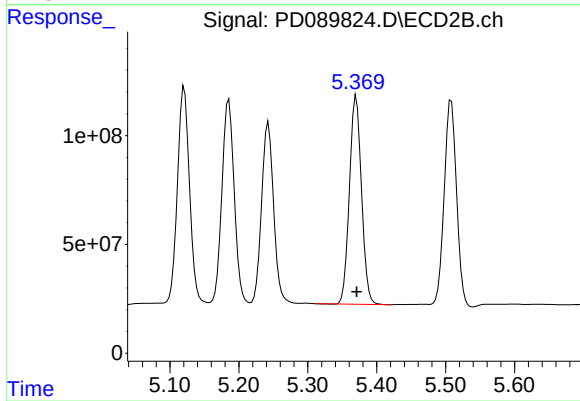
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1157035413
Conc: 55.57 ng/ml



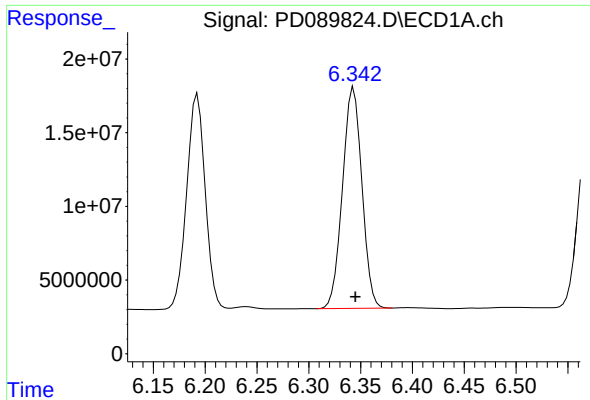
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 180672819
Conc: 48.44 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1165917699
Conc: 55.16 ng/ml



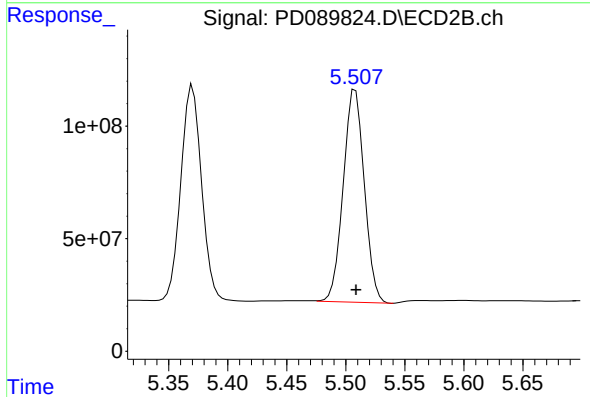
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 195440285
Conc: 46.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

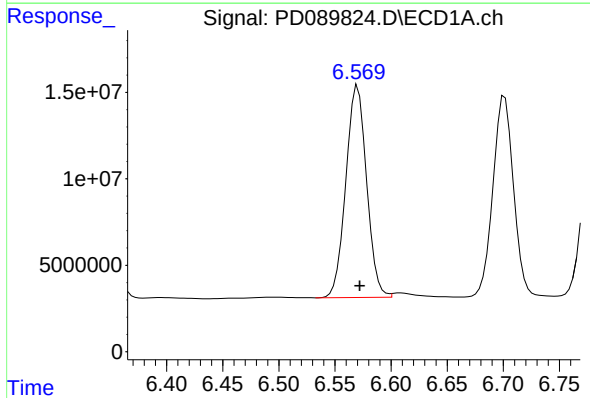
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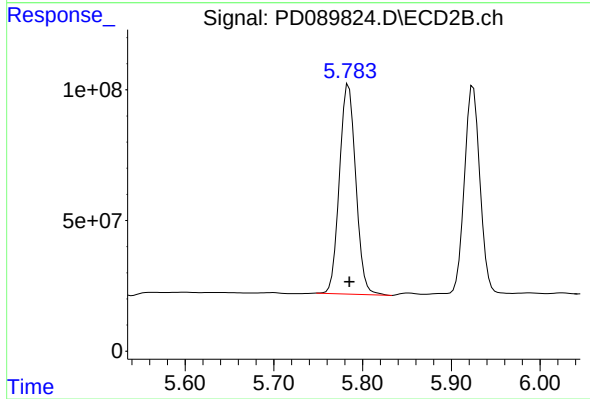
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1175478868
Conc: 54.32 ng/ml



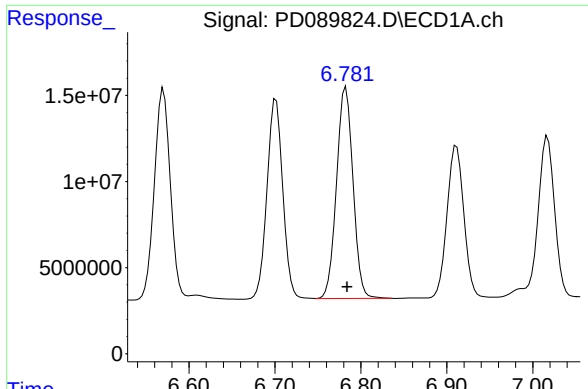
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 157905247
Conc: 44.14 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1029352465
Conc: 51.66 ng/ml



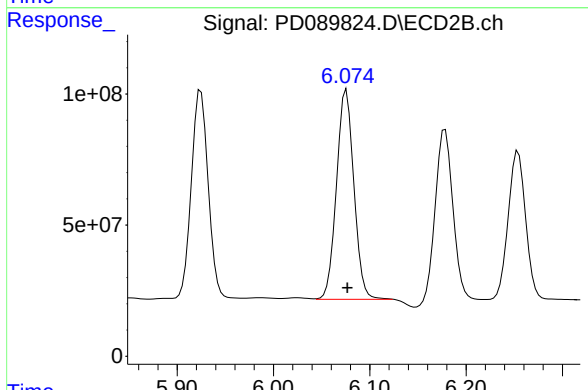
#15 Endosulfan II

R.T.: 6.783 min
Delta R.T.: -0.002 min
Response: 163340369
Conc: 44.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

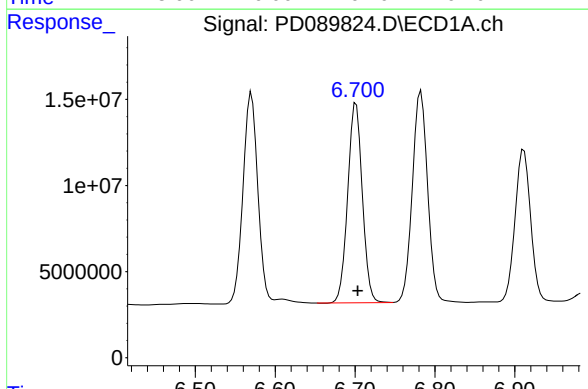
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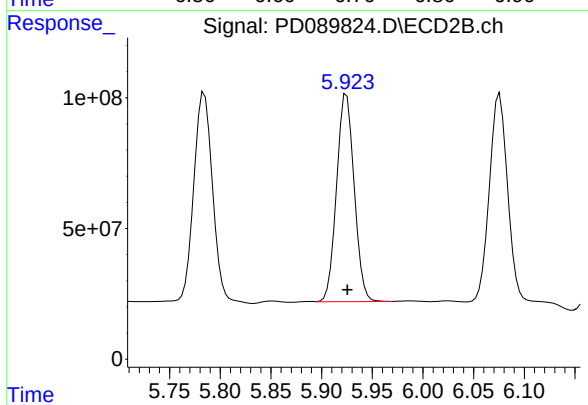
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 1004551593
Conc: 53.43 ng/ml m



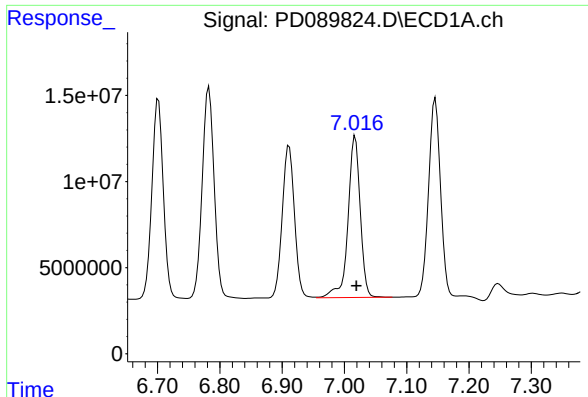
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 147742796
Conc: 49.33 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 960549448
Conc: 54.48 ng/ml



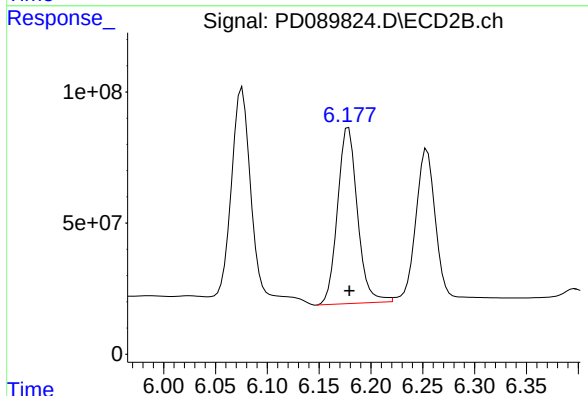
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.002 min
Response: 129003000
Conc: 38.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

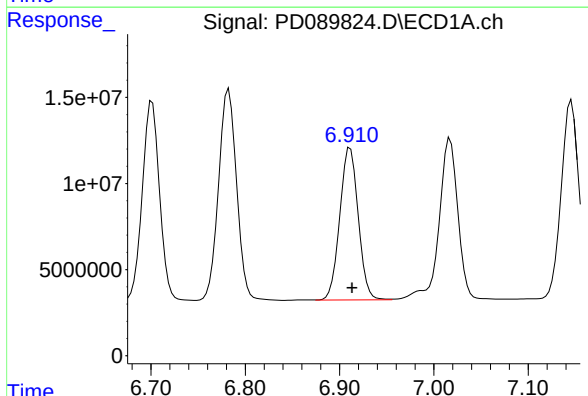
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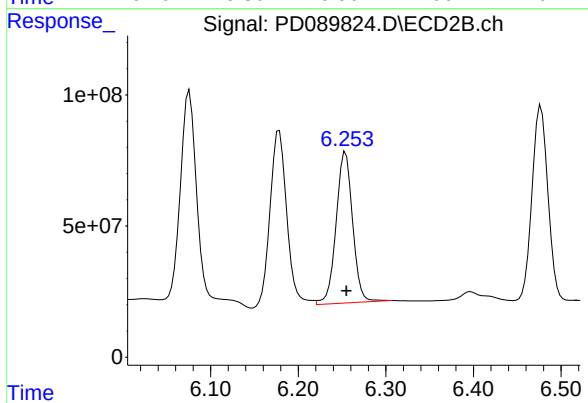
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 898679091
Conc: 48.91 ng/ml



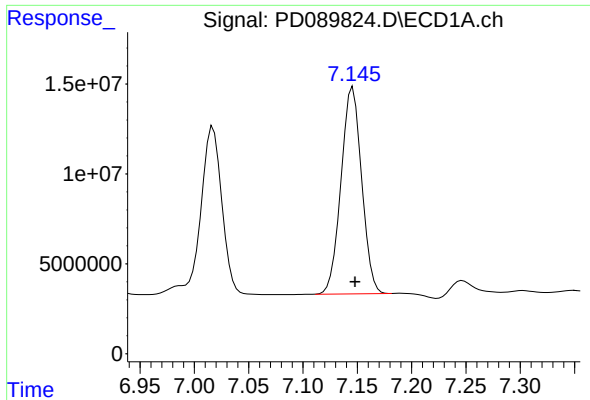
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 120187770
Conc: 48.16 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 754088764
Conc: 58.36 ng/ml



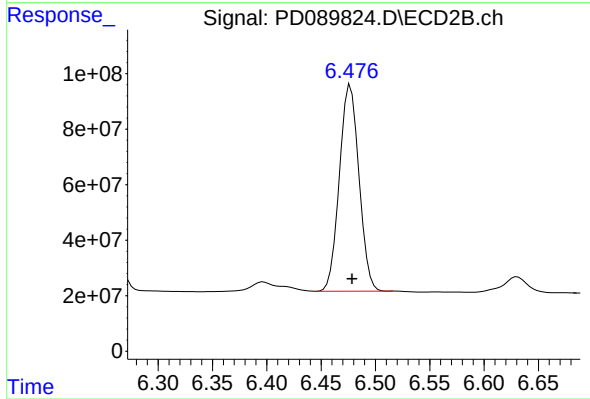
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 151840552
Conc: 43.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

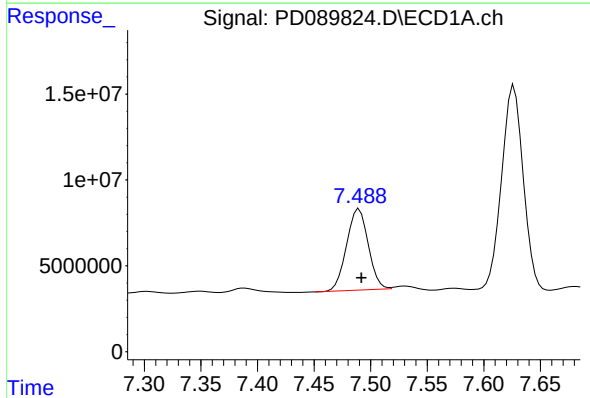
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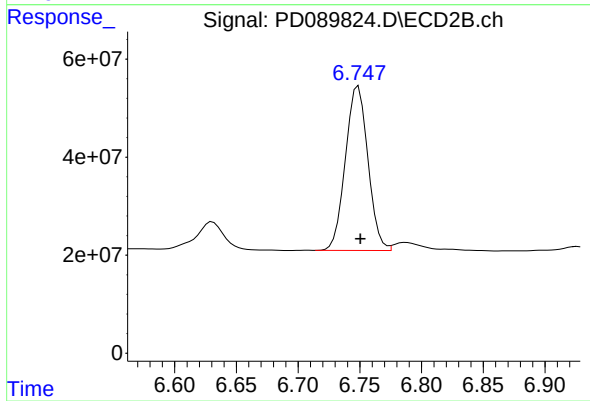
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: -0.001 min
Response: 934502919
Conc: 50.34 ng/ml



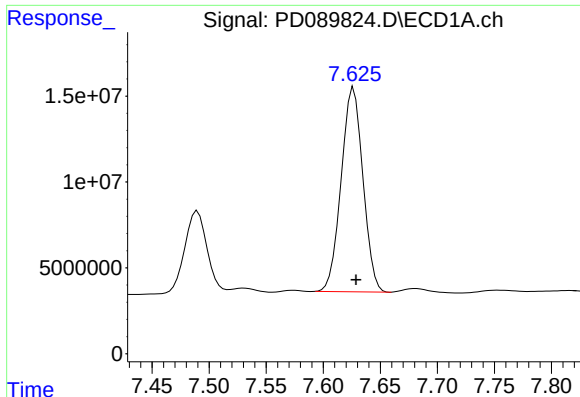
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 62877452
Conc: 35.17 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 426549877
Conc: 43.55 ng/ml



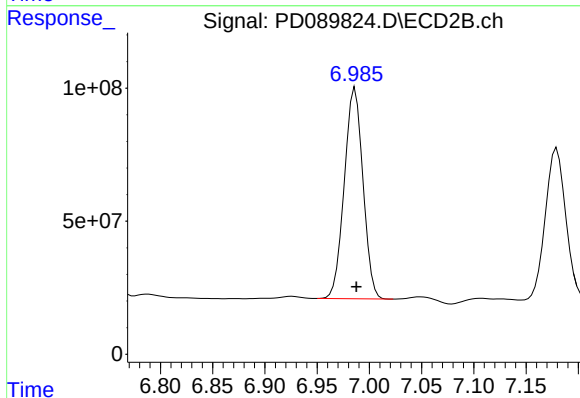
#21 Endrin ketone

R.T.: 7.627 min
Delta R.T.: -0.002 min
Response: 158018243
Conc: 42.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

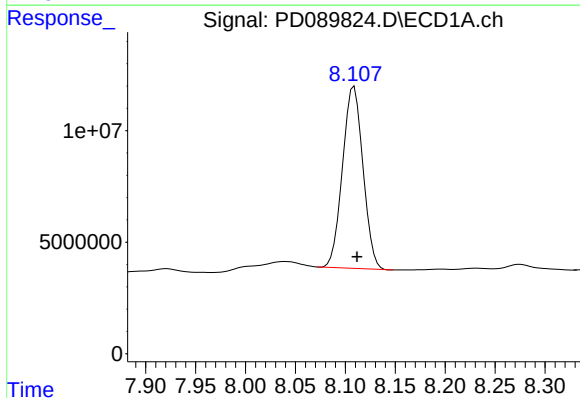
Manual Integrations
APPROVED

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



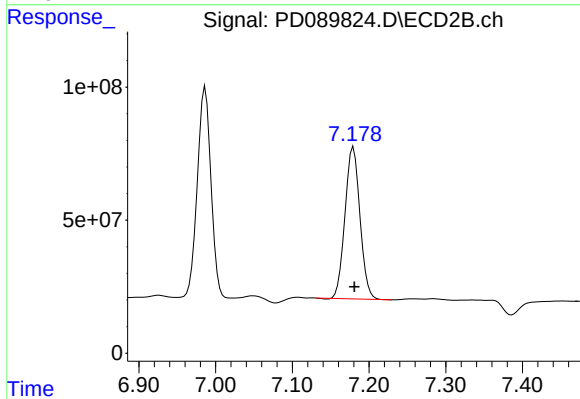
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.001 min
Response: 986634234
Conc: 49.16 ng/ml



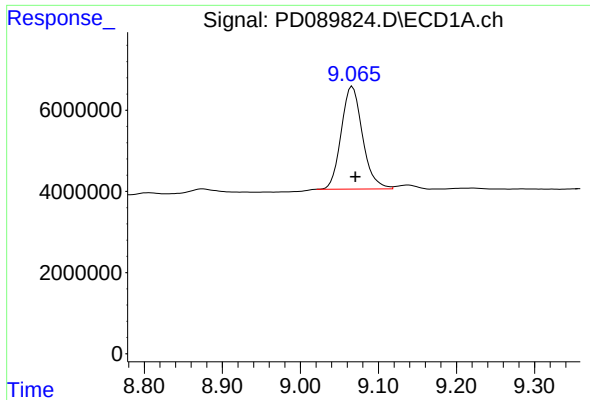
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.003 min
Response: 116353123
Conc: 41.73 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: -0.002 min
Response: 775713683
Conc: 50.96 ng/ml



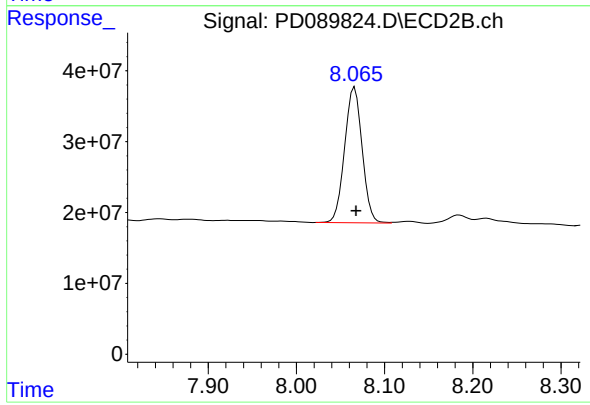
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 47848826
Conc: 12.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-1MSD

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: 263969908
Conc: 13.15 ng/ml