

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081125\
 Data File : PD089846.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Aug 2025 20:31
 Operator : AR\AJ
 Sample : Q2807-01MSD
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-4MSD

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 01:23:24 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	43194235	350.0E6	17.512	22.099m#
28)	SA Decachlor...	9.067	8.066	57422471	364.7E6	15.452	18.165
Target Compounds							
2)	A alpha-BHC	3.996	3.388	268.0E6	1523.7E6	54.106	62.689m
3)	MA gamma-BHC...	4.327	3.726	253.5E6	1392.6E6	53.334	61.826
4)	MA Heptachlor	4.926	4.078	234.6E6	1365.7E6	48.768	58.844
5)	MB Aldrin	5.267	4.364	238.5E6	1331.2E6	52.238	59.828
6)	B beta-BHC	4.513	4.021	96844482	616.7E6	52.499	63.909
7)	B delta-BHC	4.762	4.258	245.4E6	1407.7E6	53.502	61.970
8)	B Heptachlo...	5.687	4.867	211.4E6	1249.4E6	50.577	60.801
9)	A Endosulfan I	6.071	5.242	198.5E6	1166.8E6	50.072	59.688
10)	B gamma-Chl...	5.942	5.121	211.3E6	1342.2E6	50.564	61.986
11)	B alpha-Chl...	6.023	5.186	210.6E6	1285.6E6	50.083	61.745
12)	B 4,4'-DDE	6.192	5.370	187.9E6	1296.8E6	50.387	61.353
13)	MA Dieldrin	6.343	5.508	210.4E6	1304.0E6	49.810	60.262
14)	MA Endrin	6.570	5.785	174.0E6	1193.7E6	48.645	59.909
15)	B Endosulfa...	6.782	6.075	173.2E6	1106.4E6	47.206	58.851m
16)	A 4,4'-DDD	6.702	5.925	152.5E6	1058.1E6	50.918	60.008
17)	MA 4,4'-DDT	7.017	6.179	145.0E6	1061.2E6	43.158	57.760 #
18)	B Endrin al...	6.911	6.254	129.2E6	834.3E6	51.779	64.576
19)	B Endosulfa...	7.146	6.478	161.3E6	1047.9E6	46.493	56.441
20)	A Methoxychlor	7.490	6.749	73942217	526.3E6	41.355	53.728 #
21)	B Endrin ke...	7.626	6.986	173.5E6	1161.8E6	46.710	57.891
22)	Mirex	8.109	7.180	127.3E6	890.8E6	45.637	58.521 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081125\
Data File : PD089846.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 11 Aug 2025 20:31
Operator : AR\AJ
Sample : Q2807-01MSD
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

COMP-4MSD

Manual Integrations

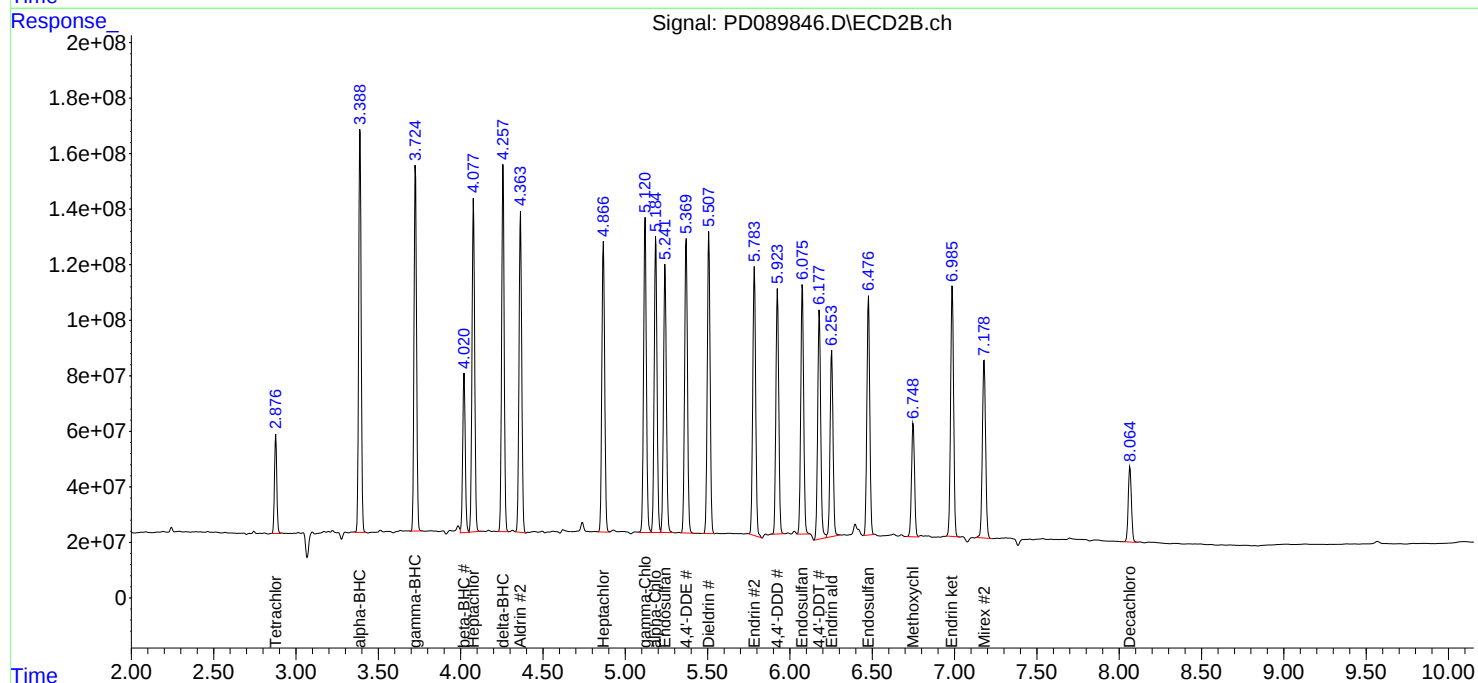
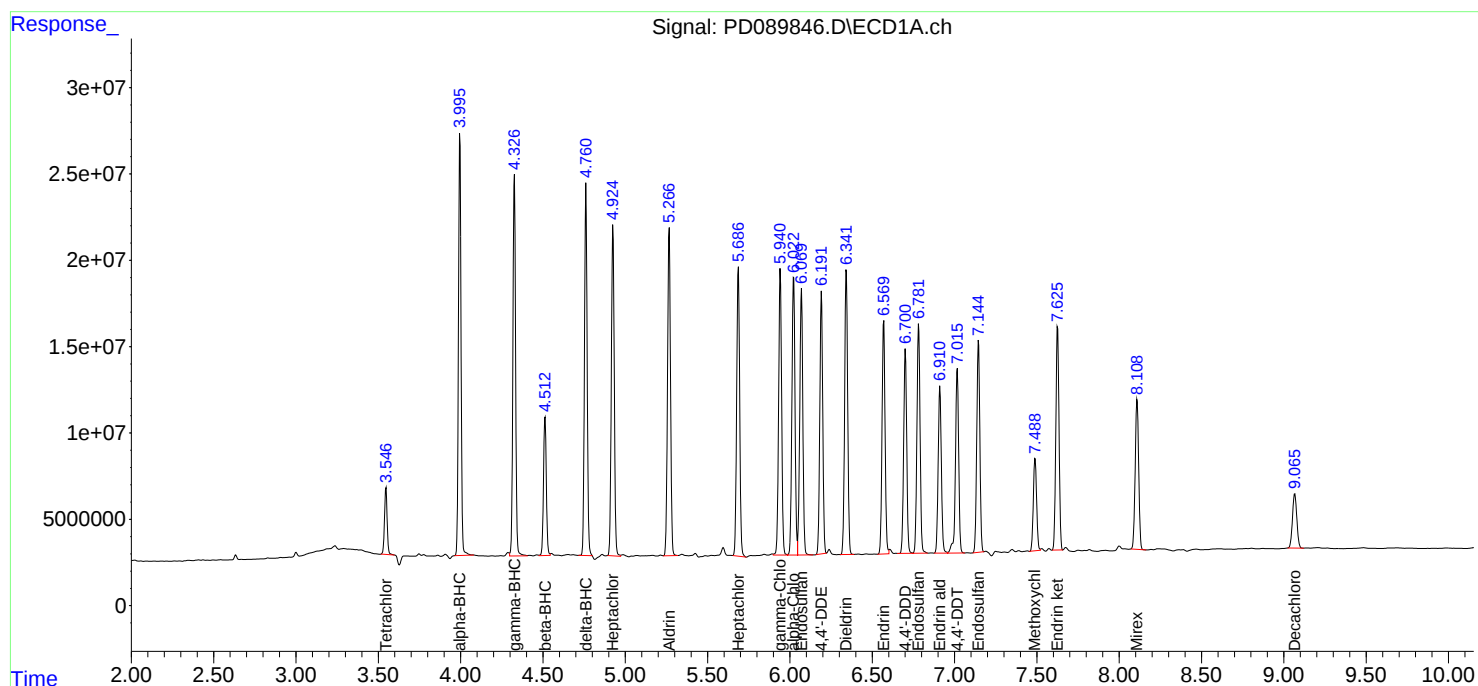
APPROVED

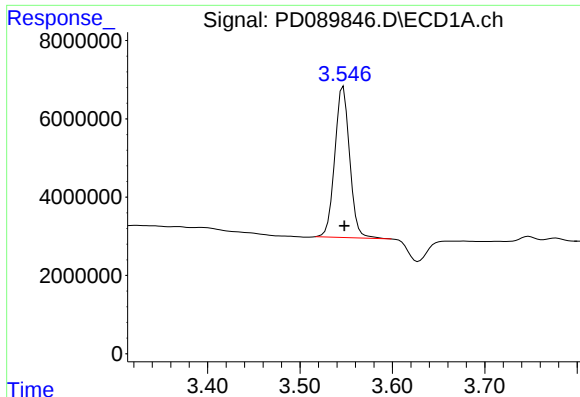
Reviewed By :Abdul Mirza 08/12/2025

Supervised By :mohammad ahmed 08/13/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 12 01:23:24 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





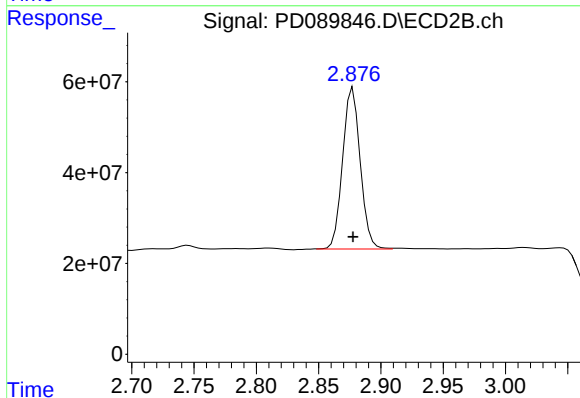
#1 Tetrachloro-m-xylene

R.T.: 3.547 min
Delta R.T.: -0.001 min
Response: 43194235
Conc: 17.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

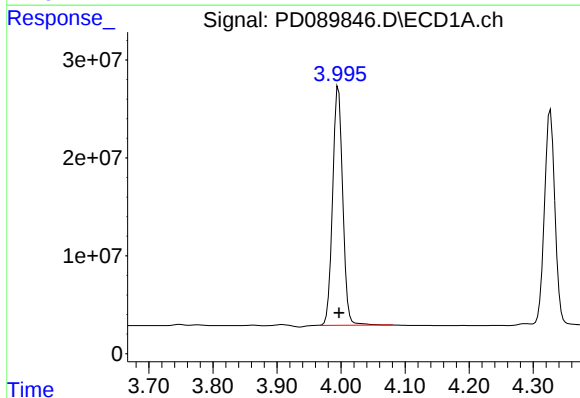
Manual Integrations
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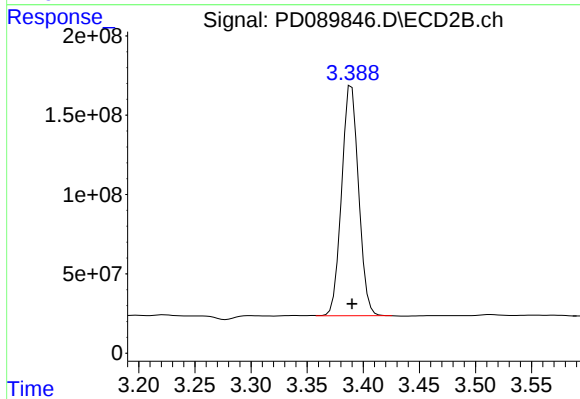
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.001 min
Response: 349995535
Conc: 22.10 ng/ml m



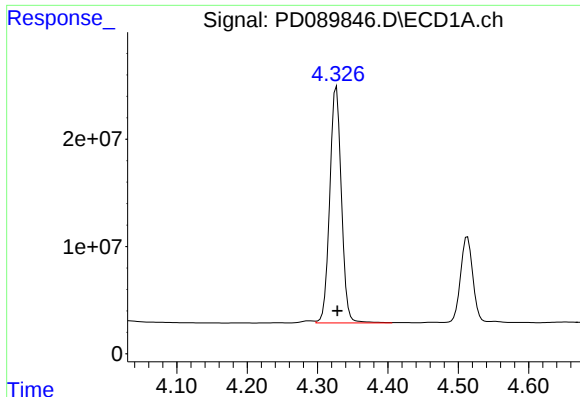
#2 alpha-BHC

R.T.: 3.996 min
Delta R.T.: -0.001 min
Response: 268017259
Conc: 54.11 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1523653168
Conc: 62.69 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.327 min
Delta R.T.: -0.001 min
Response: 253462442
Conc: 53.33 ng/ml

Instrument :

ECD_D

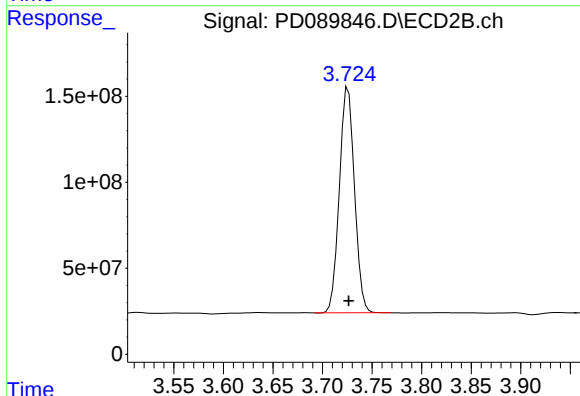
ClientSampleId :

COMP-4MSD

Manual Integrations

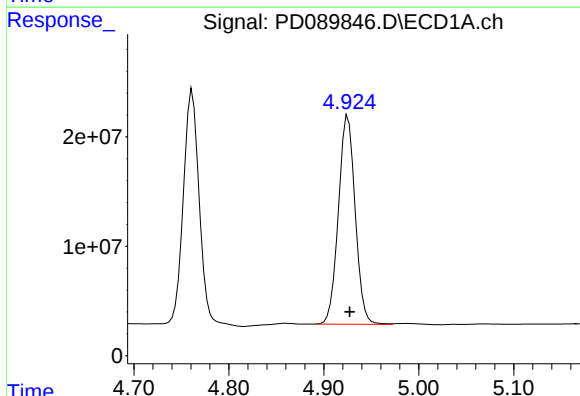
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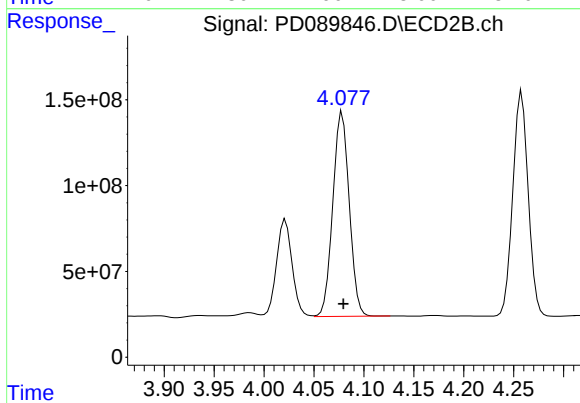
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1392579873
Conc: 61.83 ng/ml



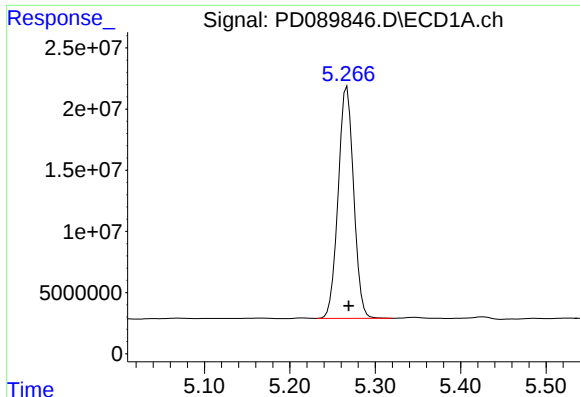
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: -0.002 min
Response: 234646270
Conc: 48.77 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1365731044
Conc: 58.84 ng/ml



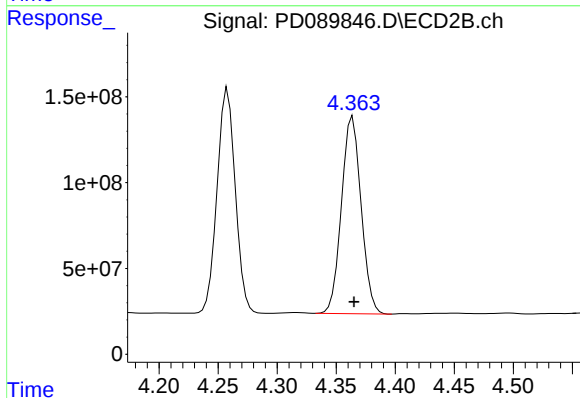
#5 Aldrin

R.T.: 5.267 min
Delta R.T.: -0.002 min
Response: 238463208
Conc: 52.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

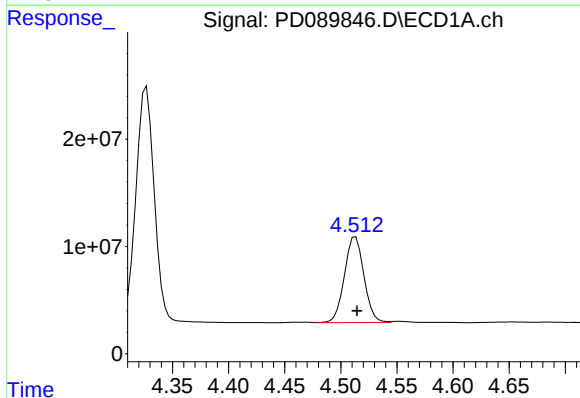
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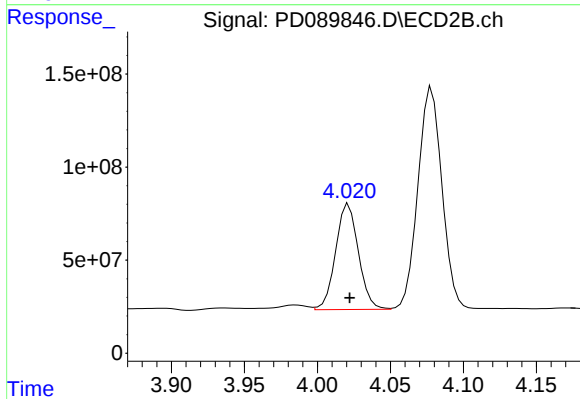
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: -0.001 min
Response: 1331210770
Conc: 59.83 ng/ml



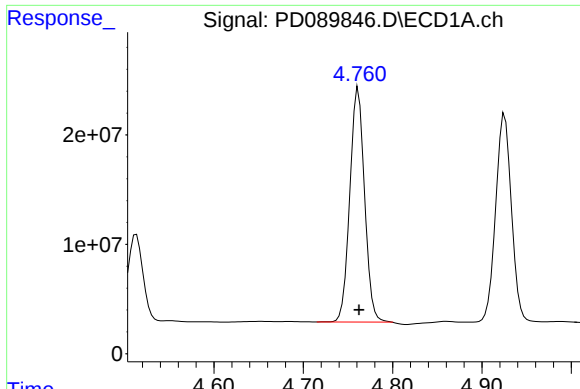
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 96844482
Conc: 52.50 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 616659050
Conc: 63.91 ng/ml



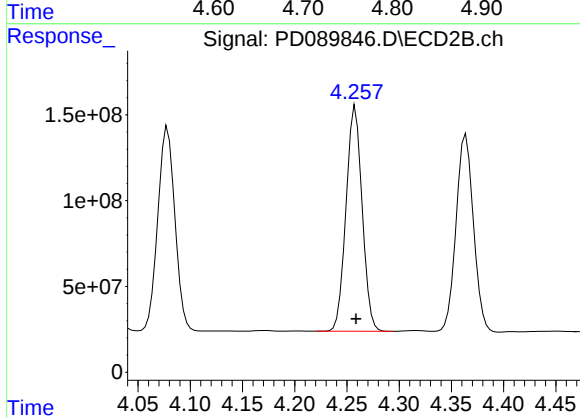
#7 delta-BHC

R.T.: 4.762 min
Delta R.T.: -0.001 min
Response: 245370339
Conc: 53.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

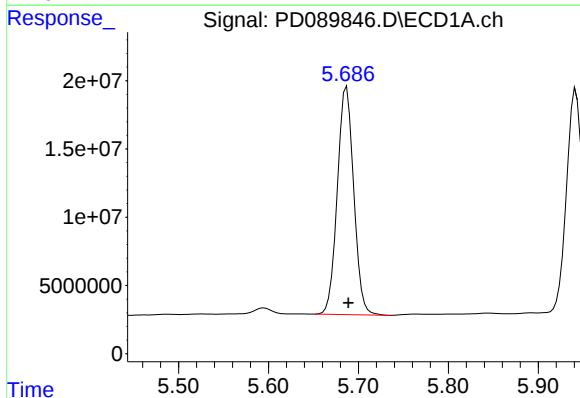
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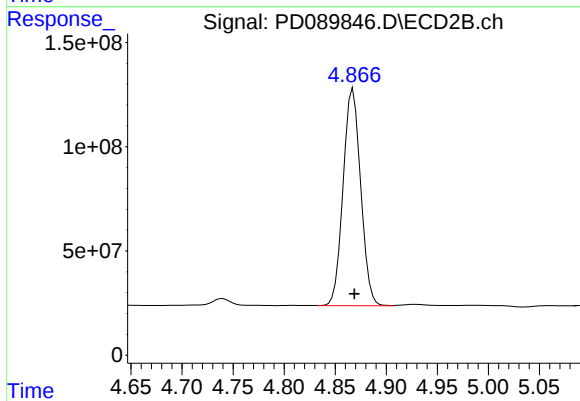
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1407653439
Conc: 61.97 ng/ml



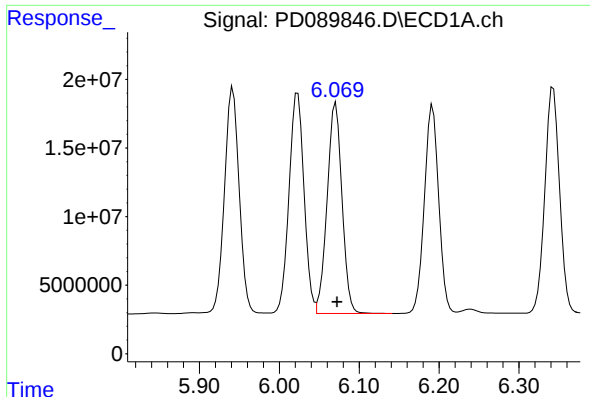
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: -0.002 min
Response: 211446458
Conc: 50.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: -0.001 min
Response: 1249442192
Conc: 60.80 ng/ml



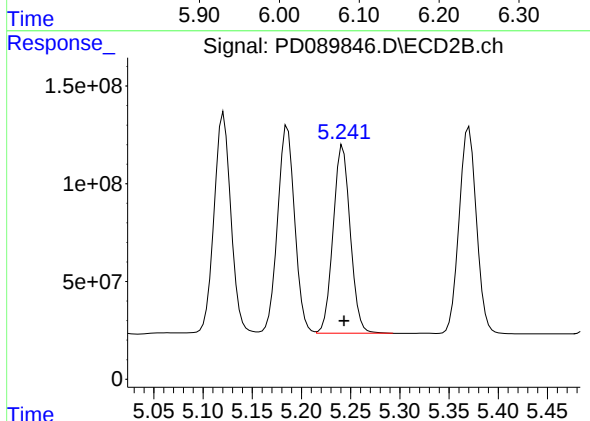
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: -0.001 min
Response: 198464974
Conc: 50.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

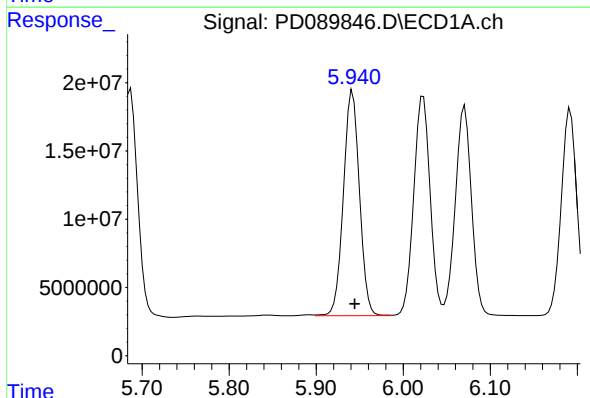
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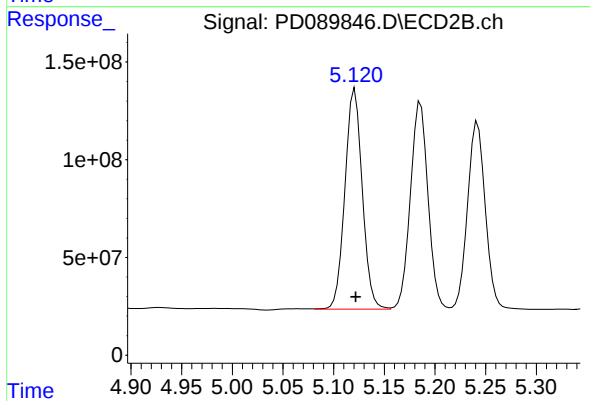
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: -0.001 min
Response: 1166799363
Conc: 59.69 ng/ml



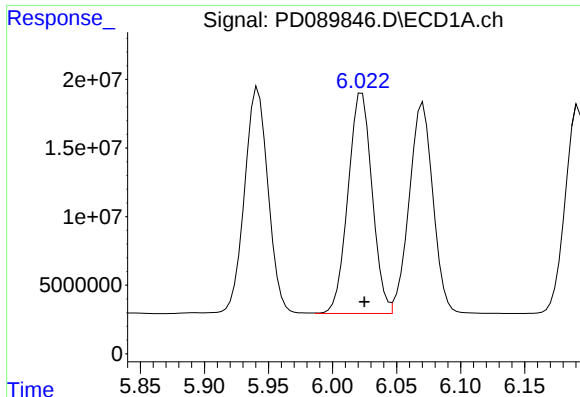
#10 gamma-Chlordane

R.T.: 5.942 min
Delta R.T.: -0.003 min
Response: 211309005
Conc: 50.56 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1342198228
Conc: 61.99 ng/ml



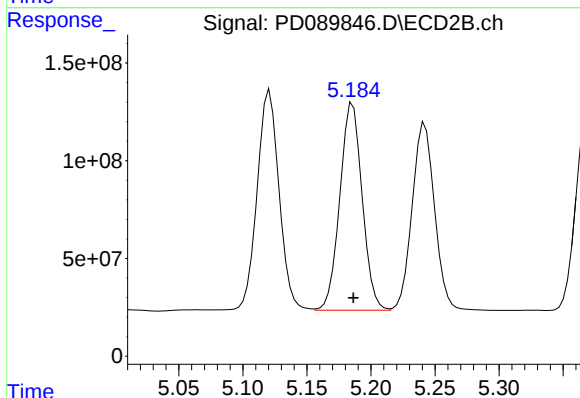
#11 alpha-Chlordane

R.T.: 6.023 min
Delta R.T.: -0.002 min
Response: 210558395
Conc: 50.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

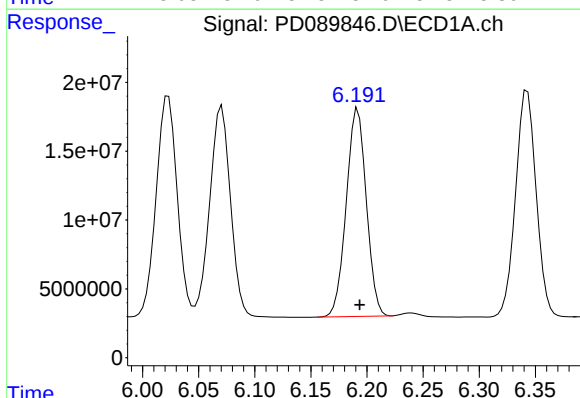
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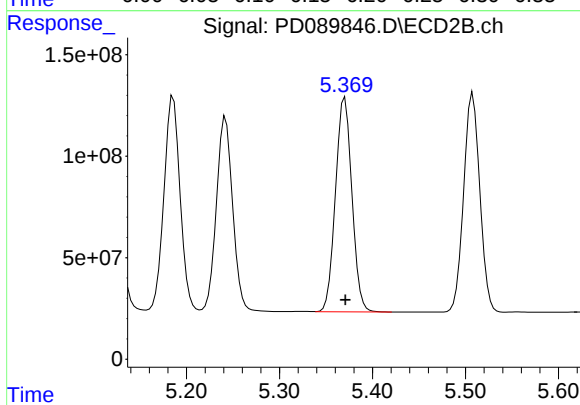
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 1285645817
Conc: 61.74 ng/ml



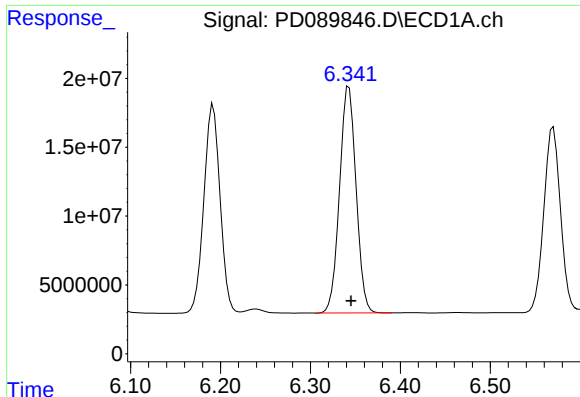
#12 4,4'-DDE

R.T.: 6.192 min
Delta R.T.: -0.002 min
Response: 187929619
Conc: 50.39 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1296829345
Conc: 61.35 ng/ml



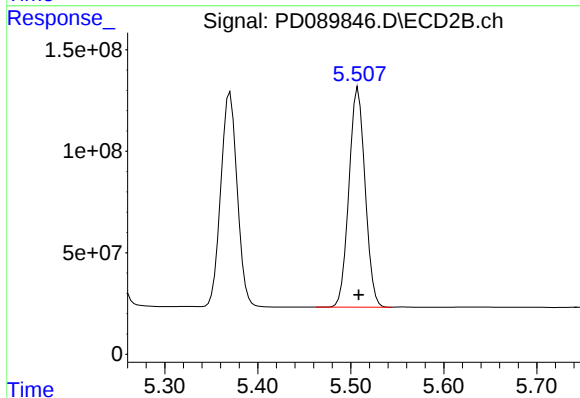
#13 Dieldrin

R.T.: 6.343 min
Delta R.T.: -0.002 min
Response: 210368726
Conc: 49.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

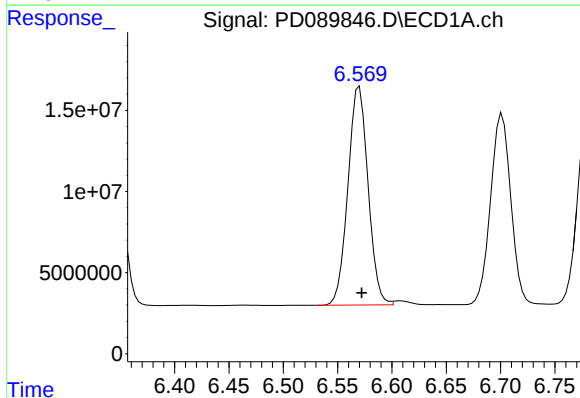
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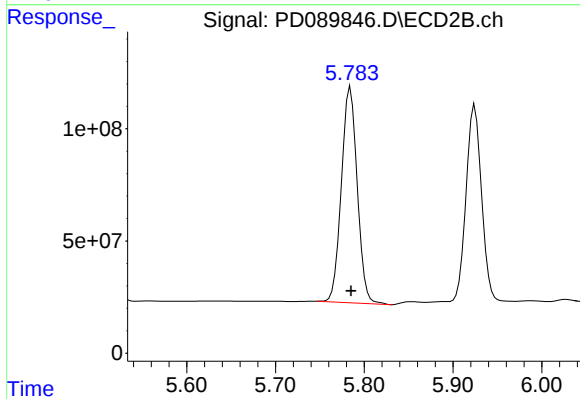
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1304013019
Conc: 60.26 ng/ml



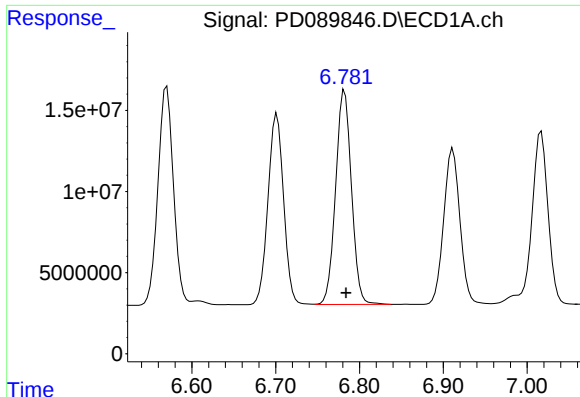
#14 Endrin

R.T.: 6.570 min
Delta R.T.: -0.002 min
Response: 174036835
Conc: 48.64 ng/ml



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1193701322
Conc: 59.91 ng/ml



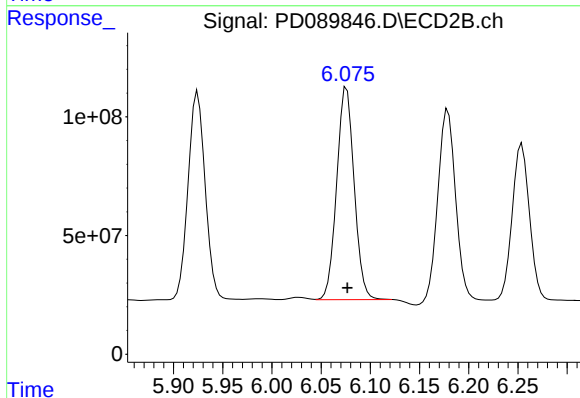
#15 Endosulfan II

R.T.: 6.782 min
Delta R.T.: -0.002 min
Response: 173217618
Conc: 47.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

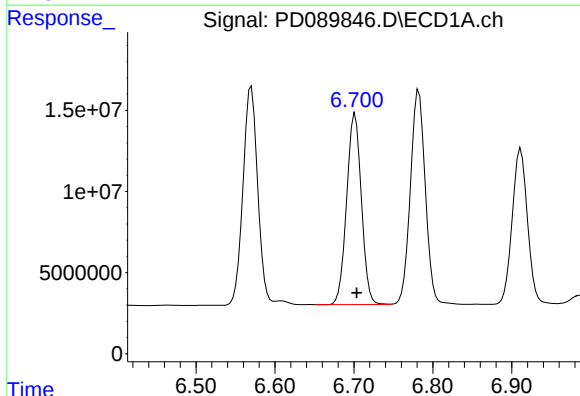
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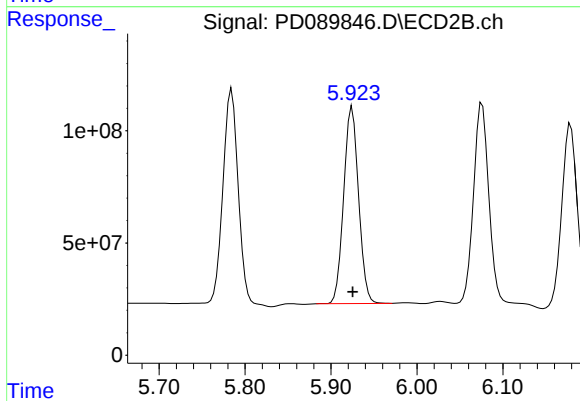
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: -0.002 min
Response: 1106367852
Conc: 58.85 ng/ml m



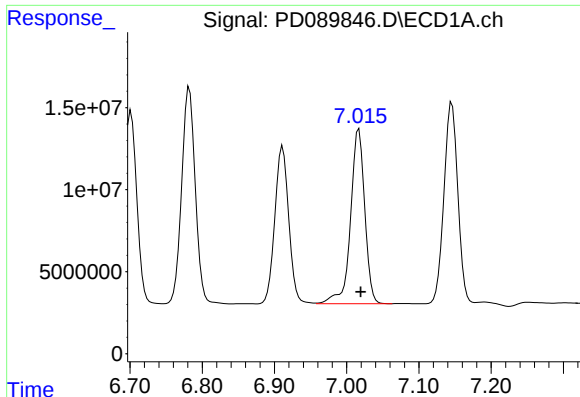
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: -0.002 min
Response: 152490572
Conc: 50.92 ng/ml



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 1058095242
Conc: 60.01 ng/ml



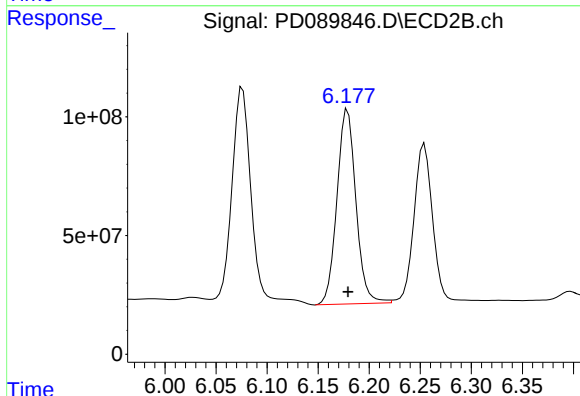
#17 4,4'-DDT

R.T.: 7.017 min
Delta R.T.: -0.002 min
Response: 145021154
Conc: 43.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

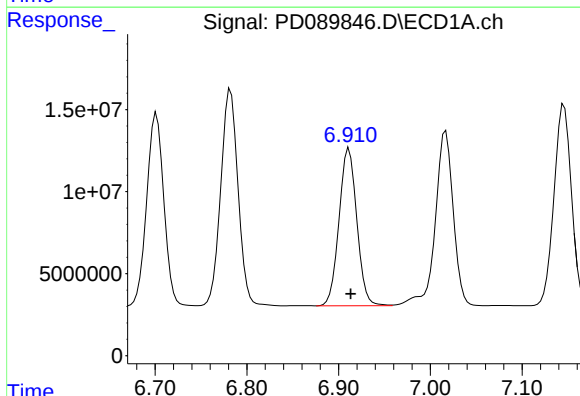
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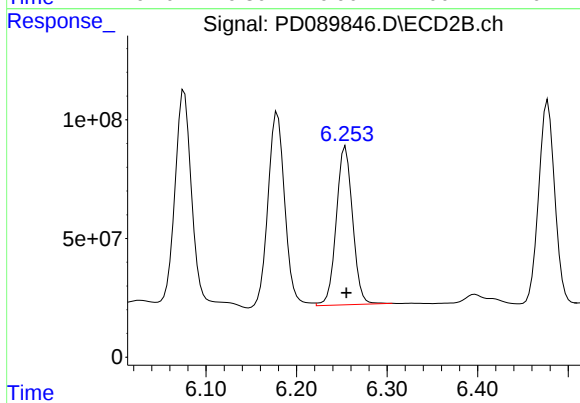
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1061204916
Conc: 57.76 ng/ml



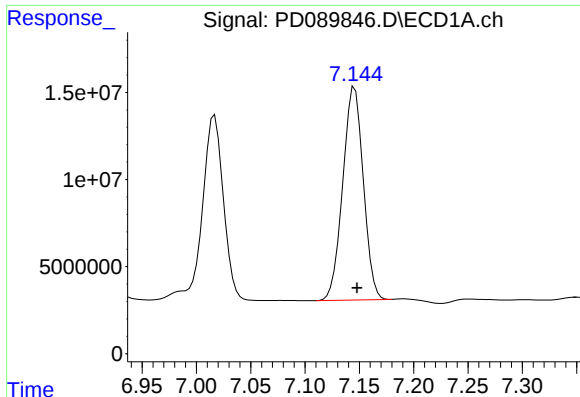
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: -0.002 min
Response: 129217506
Conc: 51.78 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 834346552
Conc: 64.58 ng/ml



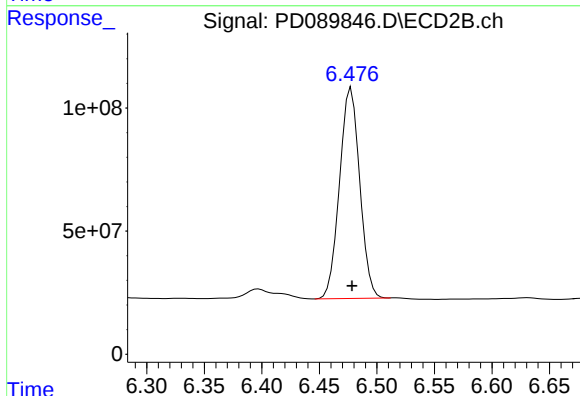
#19 Endosulfan Sulfate

R.T.: 7.146 min
Delta R.T.: -0.002 min
Response: 161335022
Conc: 46.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

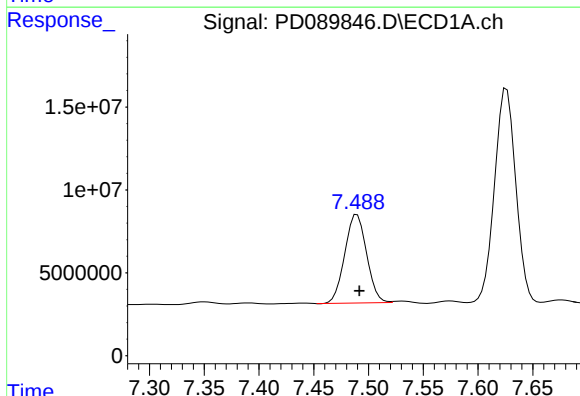
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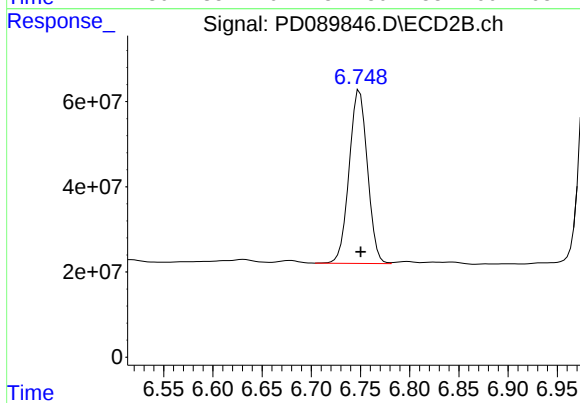
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1047869428
Conc: 56.44 ng/ml



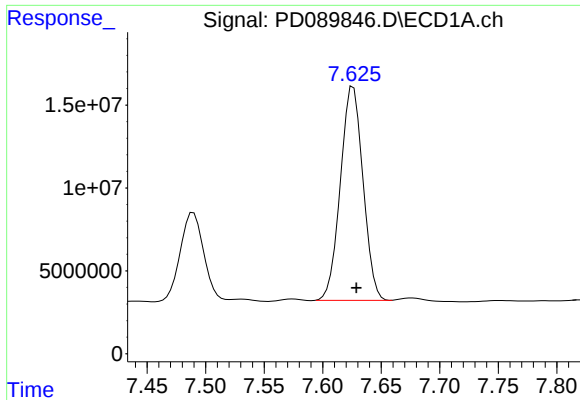
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 73942217
Conc: 41.36 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 526296866
Conc: 53.73 ng/ml



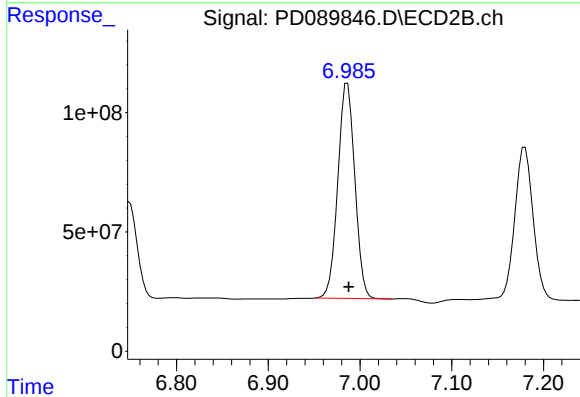
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: -0.003 min
Response: 173487762
Conc: 46.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

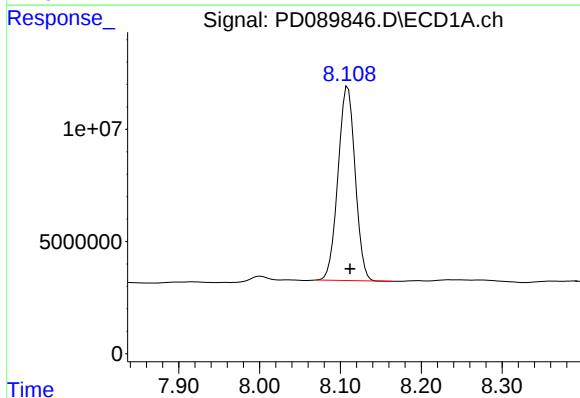
Manual Integrations
APPROVED

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



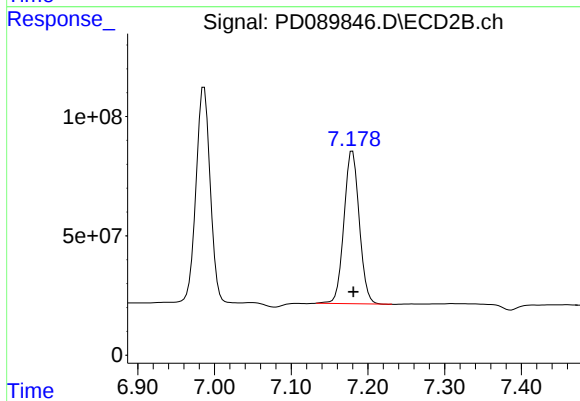
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: -0.001 min
Response: 1161774099
Conc: 57.89 ng/ml



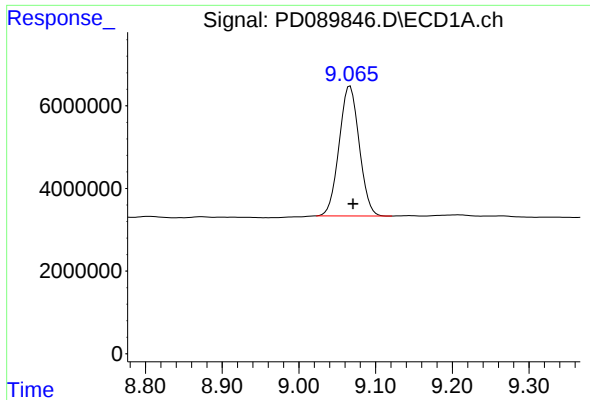
#22 Mirex

R.T.: 8.109 min
Delta R.T.: -0.003 min
Response: 127250991
Conc: 45.64 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: -0.001 min
Response: 890759758
Conc: 58.52 ng/ml



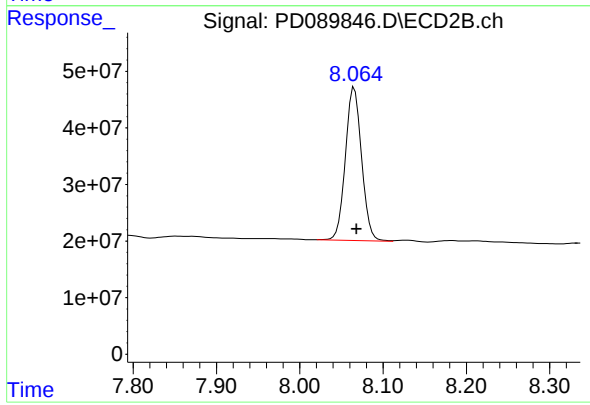
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: -0.004 min
Response: 57422471
Conc: 15.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-4MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/13/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: -0.002 min
Response: 364723793
Conc: 18.17 ng/ml