

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
 Data File : PD089803.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Aug 2025 15:01
 Operator : AR\AJ
 Sample : Q2779-01MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-4MSD

Manual Integrations
 APPROVED

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

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 07 23:17:21 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...	3.552	2.875	35152952	290.3E6	14.252m	18.329m#
28)	SA Decachlor...	9.077	8.067	71112843	220.3E6	19.136m	10.971 #
Target Compounds							
2)	A alpha-BHC	4.002	3.387	226.9E6	1128.9E6	45.796m	46.446m
3)	MA gamma-BHC...	4.334	3.725	239.4E6	1054.6E6	50.370	46.819
4)	MA Heptachlor	4.931	4.079	196.2E6	1128.0E6	40.776m	48.600
5)	MB Aldrin	5.274	4.365	199.2E6	955.7E6	43.636	42.952
6)	B beta-BHC	4.520	4.020	76181854	421.6E6	41.298	43.698m
7)	B delta-BHC	4.769	4.258	196.3E6	1062.8E6	42.793	46.789
8)	B Heptachlo...	5.694	4.868	180.2E6	974.0E6	43.099	47.395
9)	A Endosulfan I	6.077	5.244	166.6E6	669.7E6	42.035	34.257
10)	B gamma-Chl...	5.949	5.119	178.9E6	1015.3E6	42.806	46.889m
11)	B alpha-Chl...	6.030	5.186	177.4E6	987.1E6	42.200	47.405
12)	B 4,4'-DDE	6.199	5.371	171.9E6	886.0E6	46.093	41.918
13)	MA Dieldrin	6.349	5.506	165.0E6	1019.0E6	39.065m	47.093m
14)	MA Endrin	6.577	5.784	140.9E6	769.2E6	39.395	38.604m
15)	B Endosulfa...	6.790	6.074	123.8E6	732.0E6	33.749	38.939m
16)	A 4,4'-DDD	6.707	5.925	209.7E6	916.7E6	70.007m	51.989 #
17)	MA 4,4'-DDT	7.024	6.178	142.8E6	749.7E6	42.506	40.806
18)	B Endrin al...	6.916	6.254	100.6E6	542.5E6	40.331m	41.988
19)	B Endosulfa...	7.152	6.478	130.0E6	661.2E6	37.461	35.616
20)	A Methoxychlor	7.496	6.749	49144879	375.0E6	27.486	38.280 #
21)	B Endrin ke...	7.633	6.987	140.1E6	571.7E6	37.731	28.485
22)	Mirex	8.113	7.179	111.9E6	455.6E6	40.149m	29.932m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD080825\
Data File : PD089803.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Aug 2025 15:01
Operator : AR\AJ
Sample : Q2779-01MSD
Misc :
ALS Vial : 16 Sample Multiplier: 1

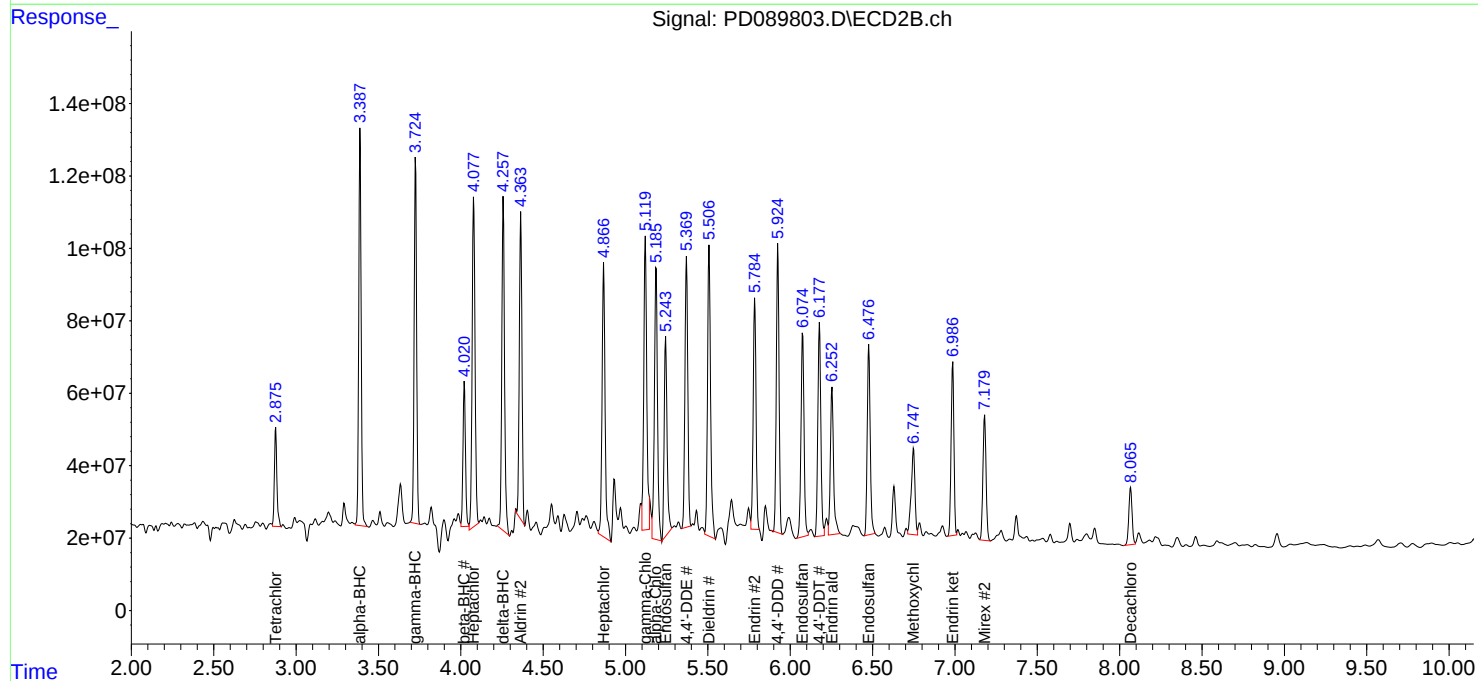
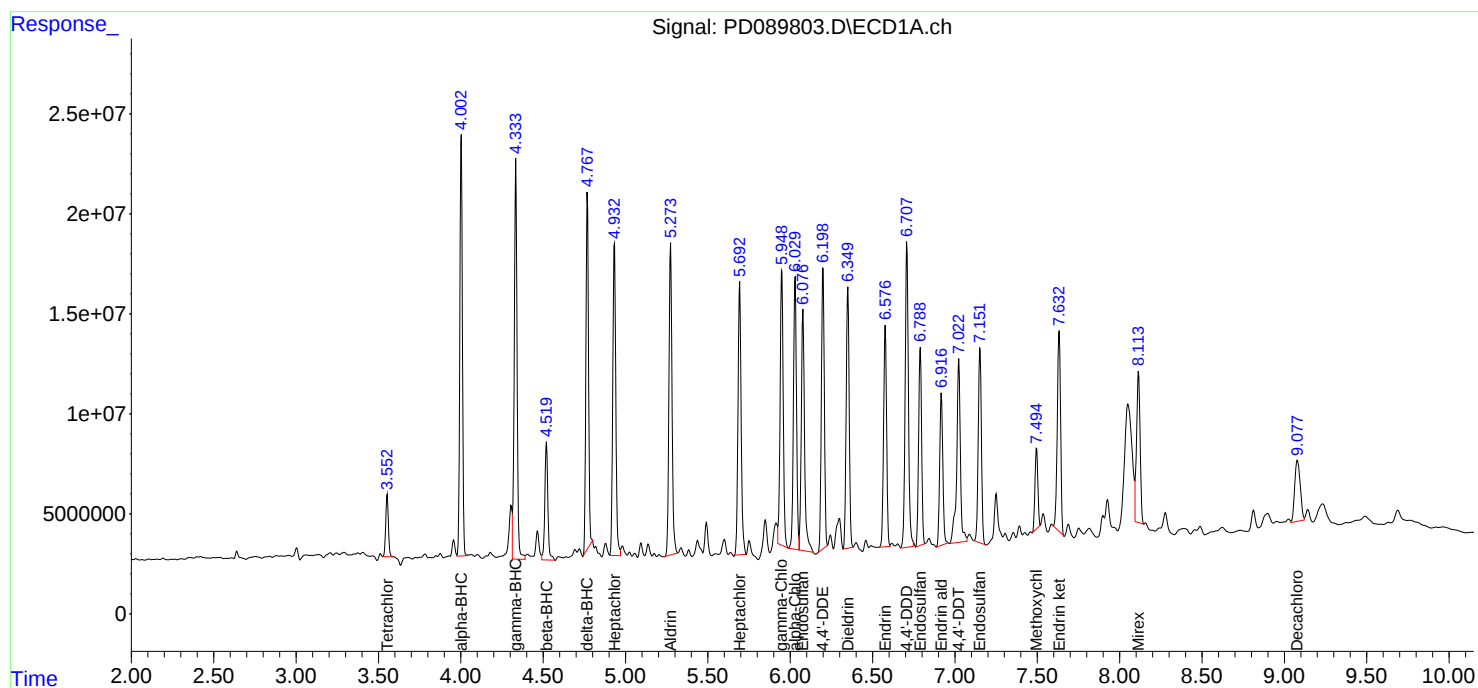
Instrument :
ECD_D
ClientSampleId :
TP-4MSD

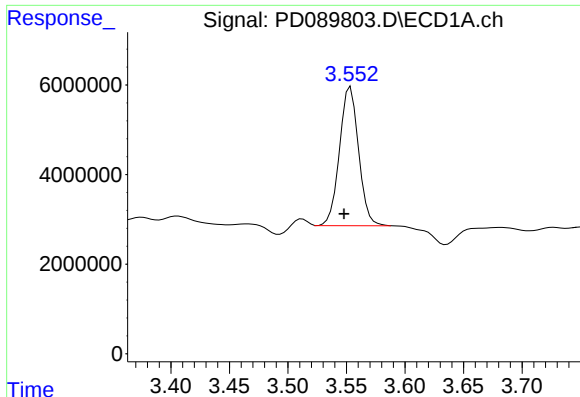
Manual Integrations
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Supervised By :mohammad ahmed 08/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 07 23:17:21 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





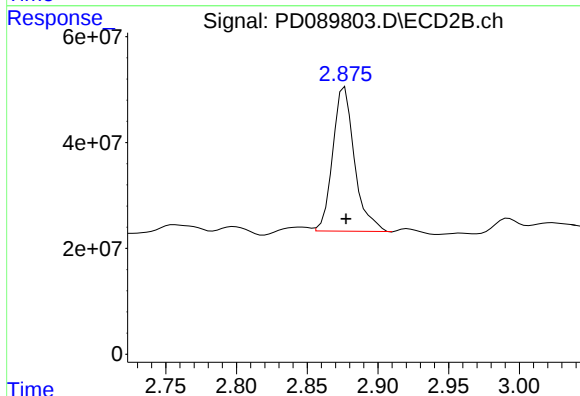
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.004 min
Response: 35152952
Conc: 14.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

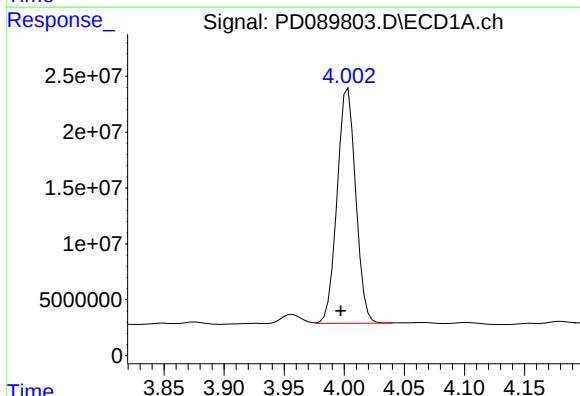
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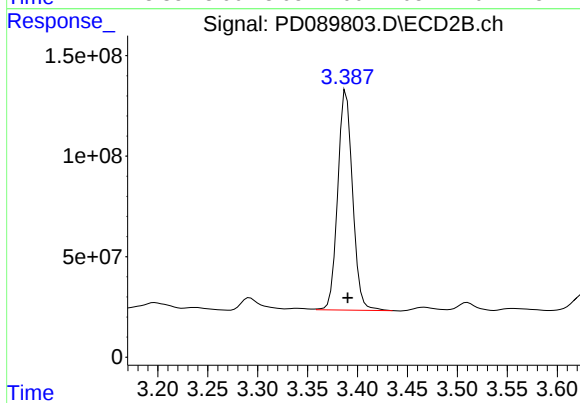
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.002 min
Response: 290285476
Conc: 18.33 ng/ml m



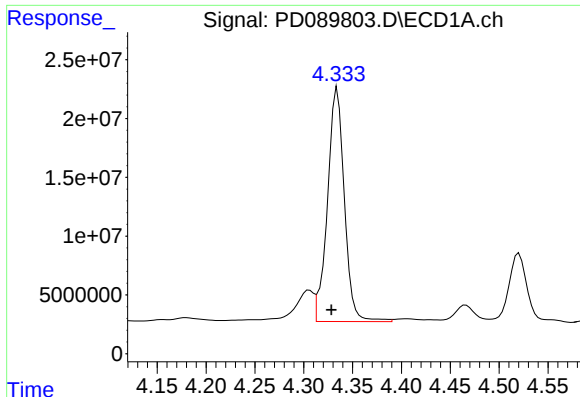
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.005 min
Response: 226851603
Conc: 45.80 ng/ml m



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.003 min
Response: 1128875465
Conc: 46.45 ng/ml m



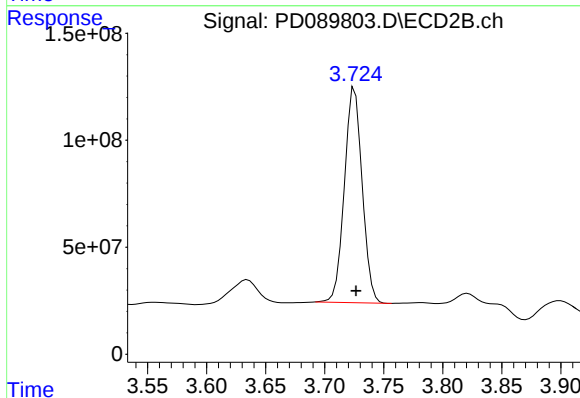
#3 gamma-BHC (Lindane)

R.T.: 4.334 min
Delta R.T.: 0.006 min
Response: 239373586
Conc: 50.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

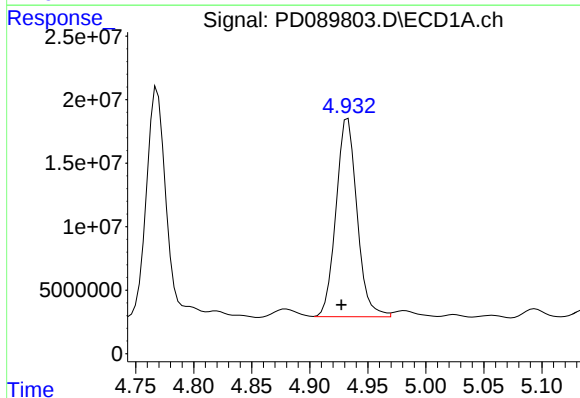
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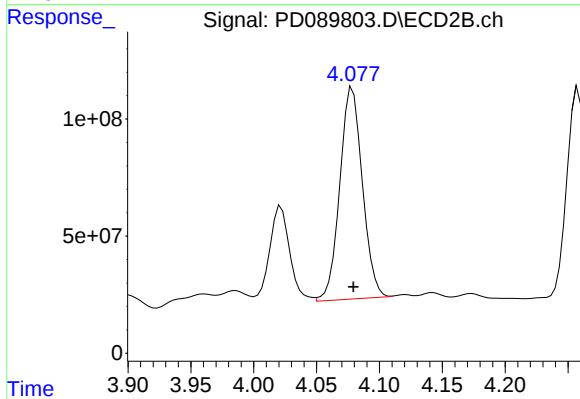
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1054552371
Conc: 46.82 ng/ml



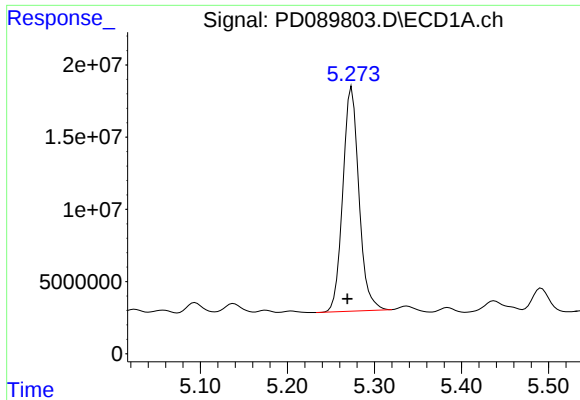
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.004 min
Response: 196195302
Conc: 40.78 ng/ml m



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1127969450
Conc: 48.60 ng/ml



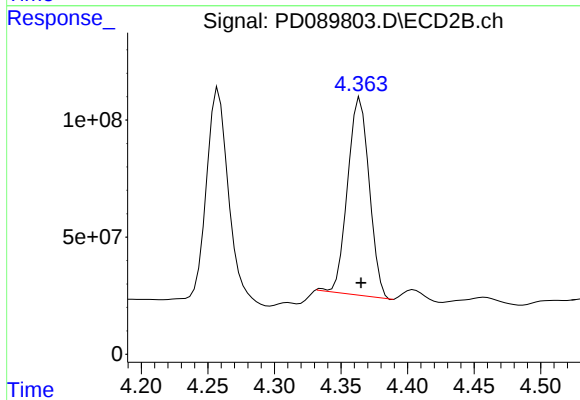
#5 Aldrin

R.T.: 5.274 min
Delta R.T.: 0.005 min
Response: 199195870
Conc: 43.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

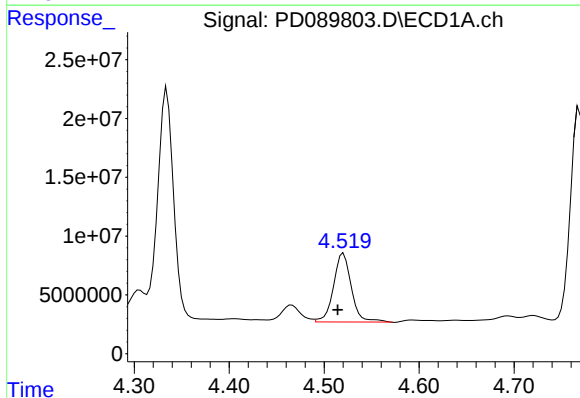
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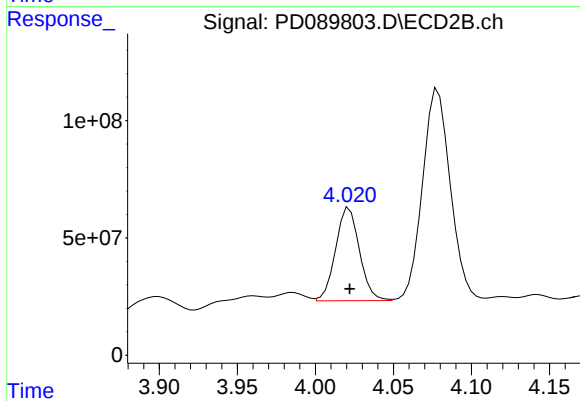
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 955722826
Conc: 42.95 ng/ml



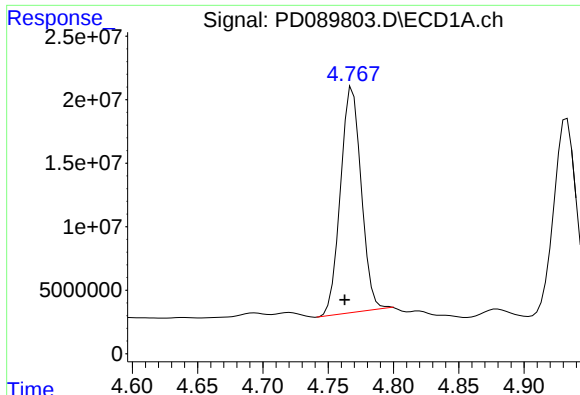
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.006 min
Response: 76181854
Conc: 41.30 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.002 min
Response: 421641758
Conc: 43.70 ng/ml m



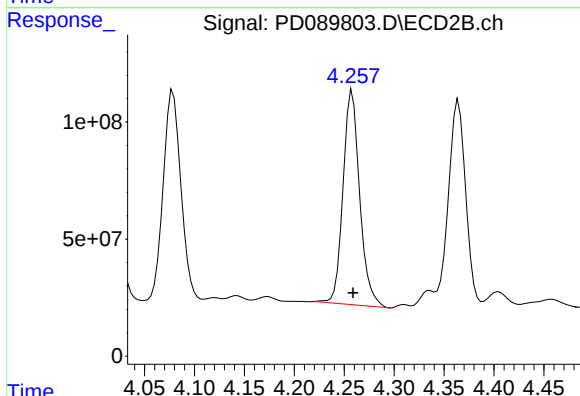
#7 delta-BHC

R.T.: 4.769 min
Delta R.T.: 0.006 min
Response: 196256980
Conc: 42.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

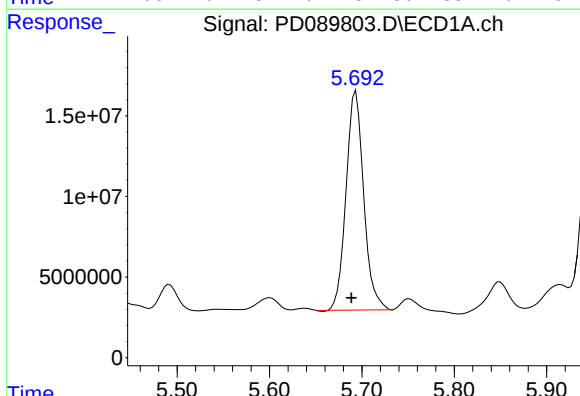
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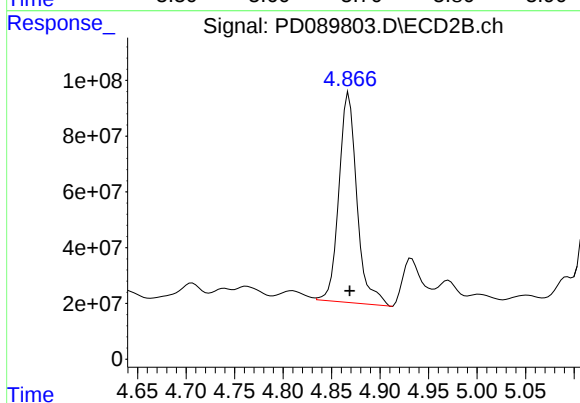
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1062812036
Conc: 46.79 ng/ml



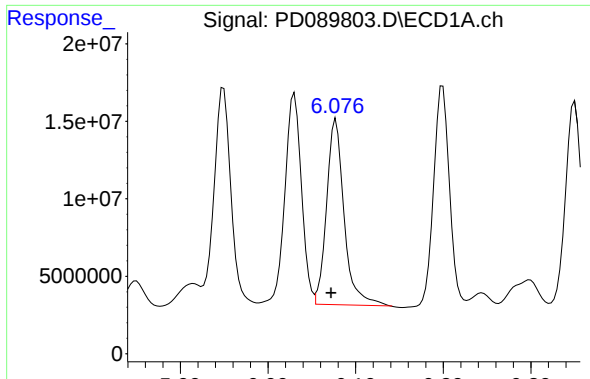
#8 Heptachlor epoxide

R.T.: 5.694 min
Delta R.T.: 0.005 min
Response: 180186423
Conc: 43.10 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: -0.001 min
Response: 973956562
Conc: 47.39 ng/ml



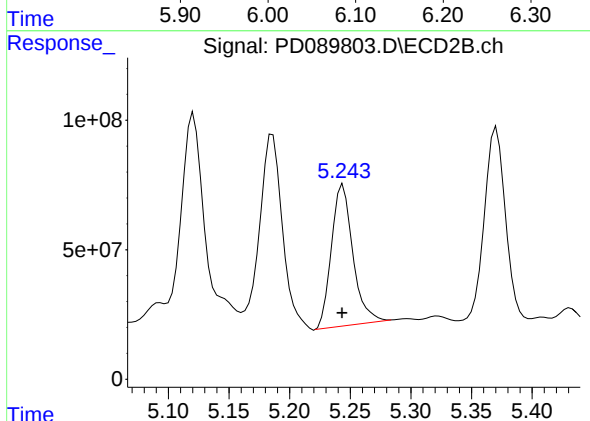
#9 Endosulfan I

R.T.: 6.077 min
Delta R.T.: 0.005 min
Response: 166610518
Conc: 42.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

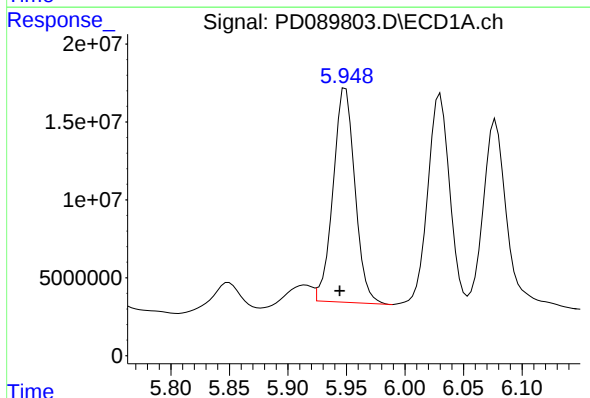
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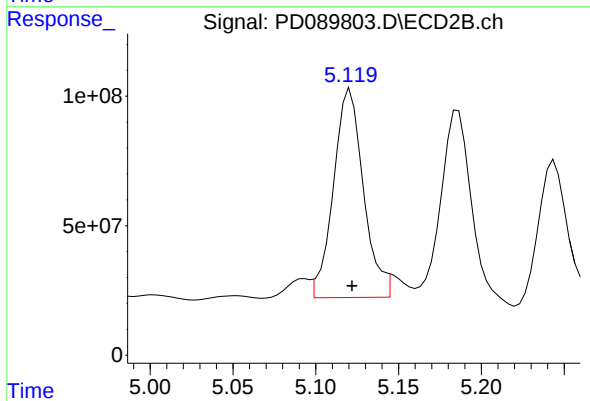
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: 0.000 min
Response: 669659200
Conc: 34.26 ng/ml



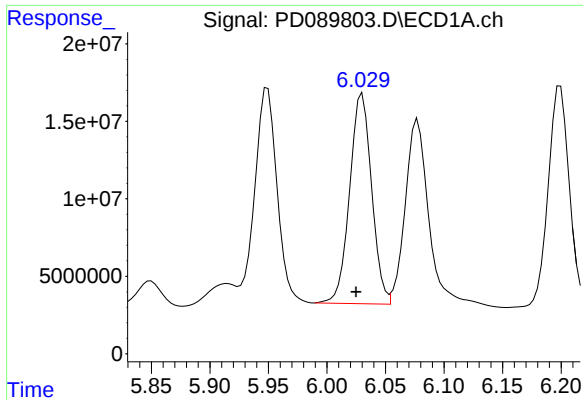
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.005 min
Response: 178889170
Conc: 42.81 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: -0.002 min
Response: 1015313875
Conc: 46.89 ng/ml m



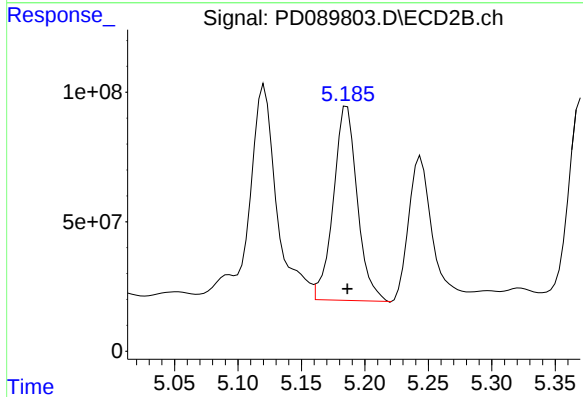
#11 alpha-Chlordane

R.T.: 6.030 min
Delta R.T.: 0.005 min
Response: 177417023
Conc: 42.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

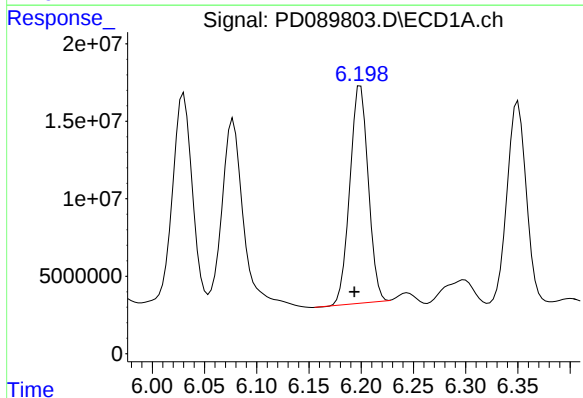
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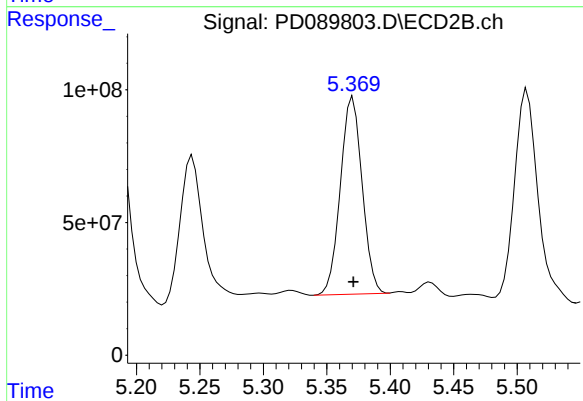
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.000 min
Response: 987071807
Conc: 47.41 ng/ml



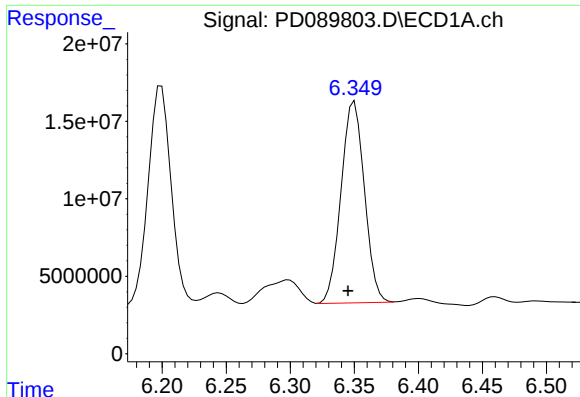
#12 4,4'-DDE

R.T.: 6.199 min
Delta R.T.: 0.006 min
Response: 171916254
Conc: 46.09 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 886016884
Conc: 41.92 ng/ml



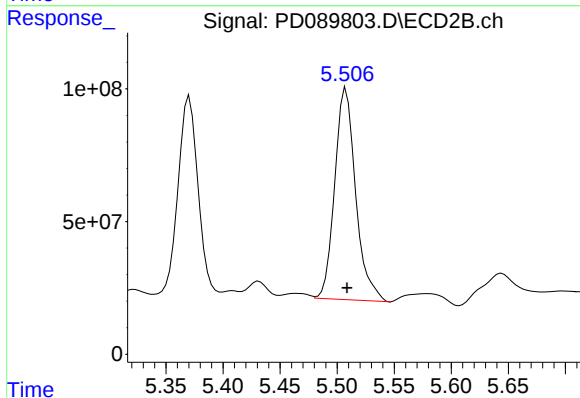
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.004 min
Response: 164987052
Conc: 39.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

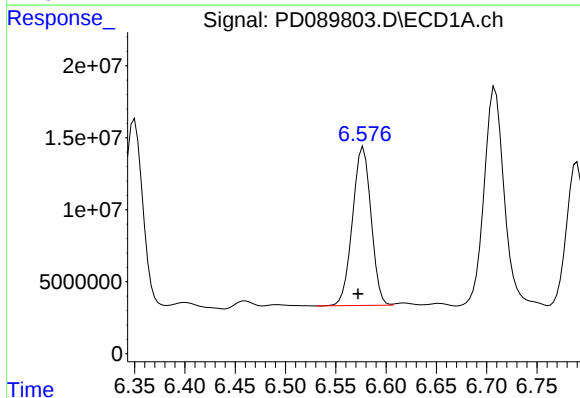
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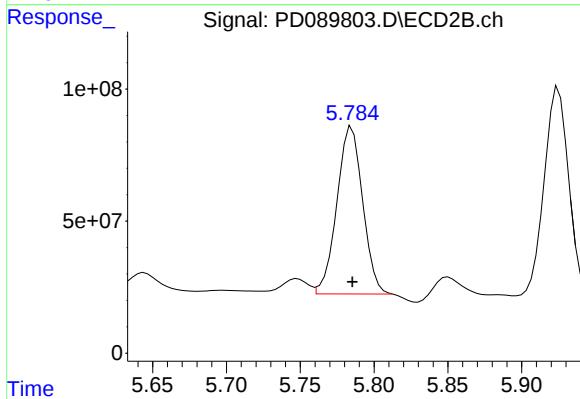
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: -0.002 min
Response: 1019040513
Conc: 47.09 ng/ml m



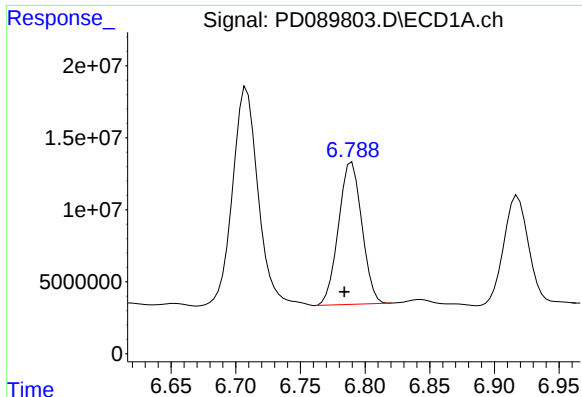
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.005 min
Response: 140943736
Conc: 39.39 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: -0.002 min
Response: 769198417
Conc: 38.60 ng/ml m



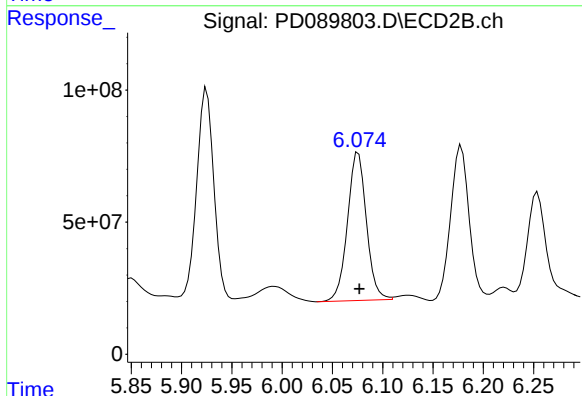
#15 Endosulfan II

R.T.: 6.790 min
Delta R.T.: 0.006 min
Response: 123837006
Conc: 33.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

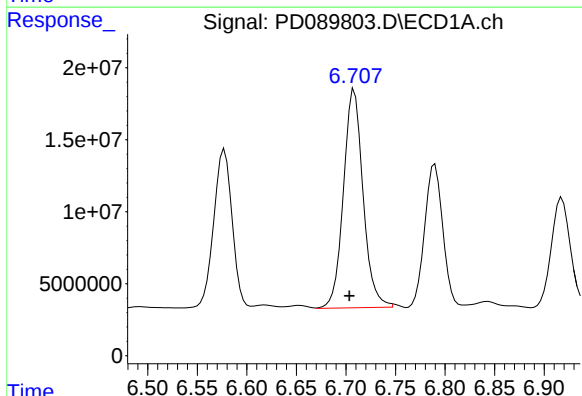
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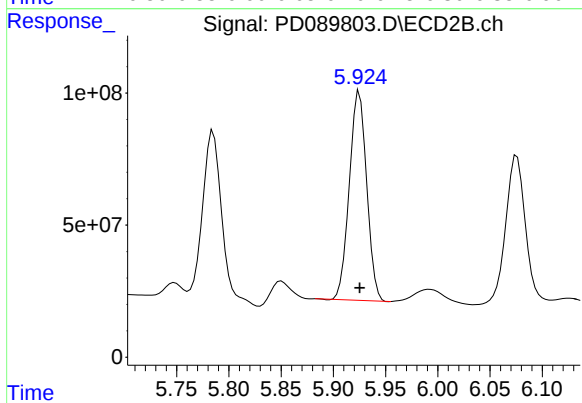
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.002 min
Response: 732025138
Conc: 38.94 ng/ml m



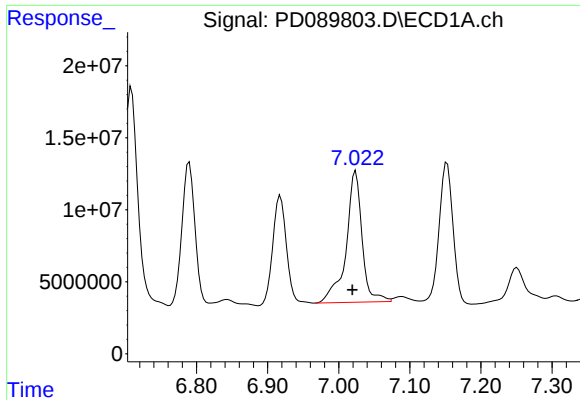
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.003 min
Response: 209658428
Conc: 70.01 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 916709448
Conc: 51.99 ng/ml



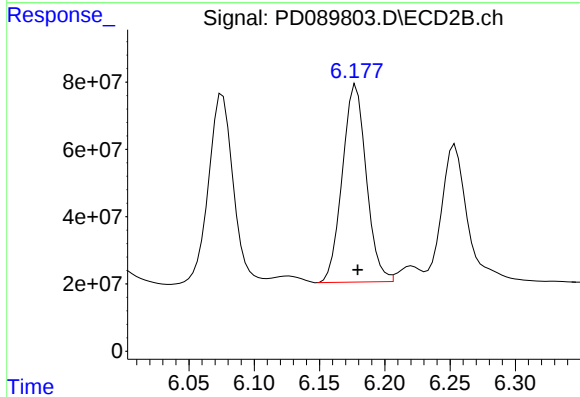
#17 4,4'-DDT

R.T.: 7.024 min
Delta R.T.: 0.004 min
Response: 142830148
Conc: 42.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

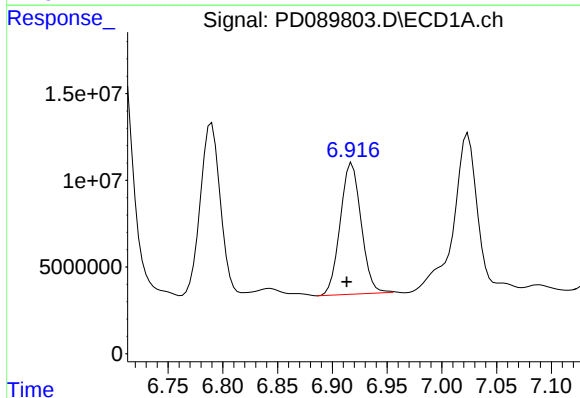
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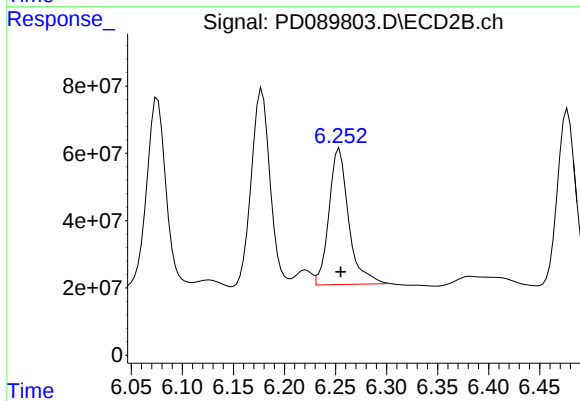
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 749723607
Conc: 40.81 ng/ml



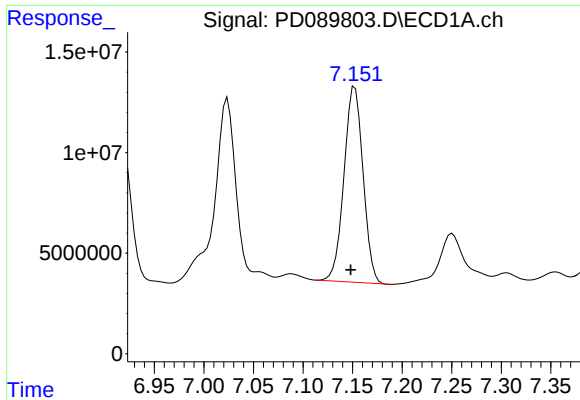
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.003 min
Response: 100648035
Conc: 40.33 ng/ml m



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: -0.001 min
Response: 542499106
Conc: 41.99 ng/ml



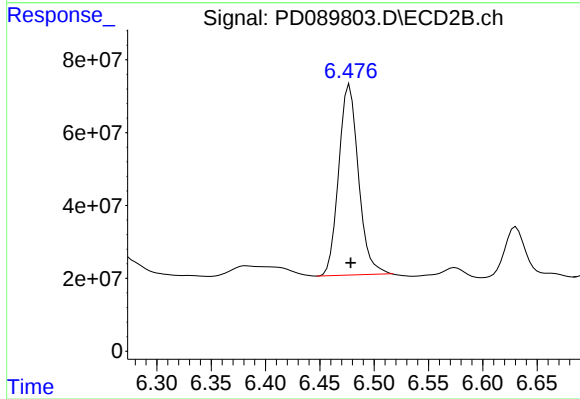
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.004 min
Response: 129993687
Conc: 37.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

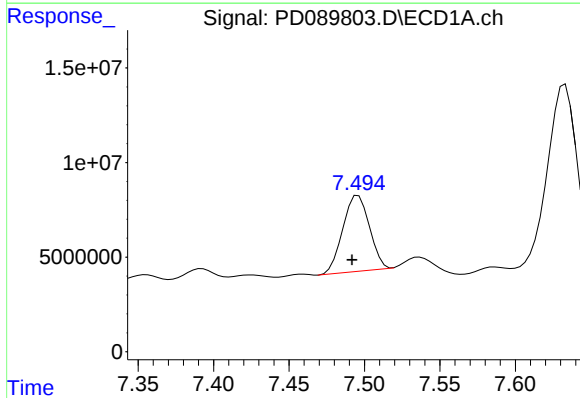
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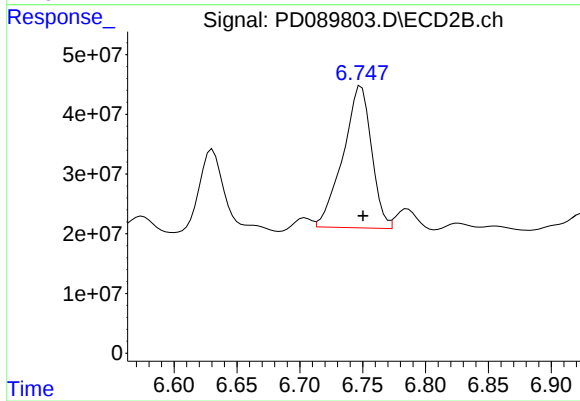
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 661234237
Conc: 35.62 ng/ml



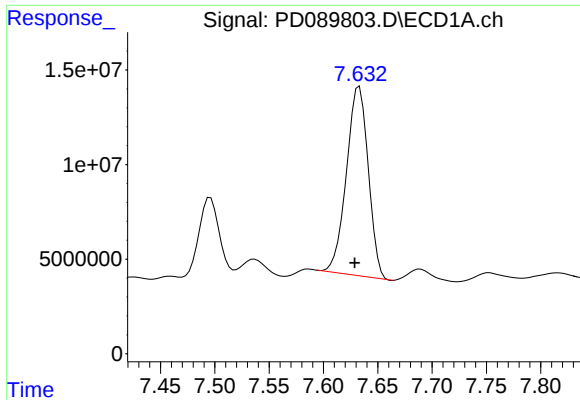
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.004 min
Response: 49144879
Conc: 27.49 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.002 min
Response: 374975828
Conc: 38.28 ng/ml



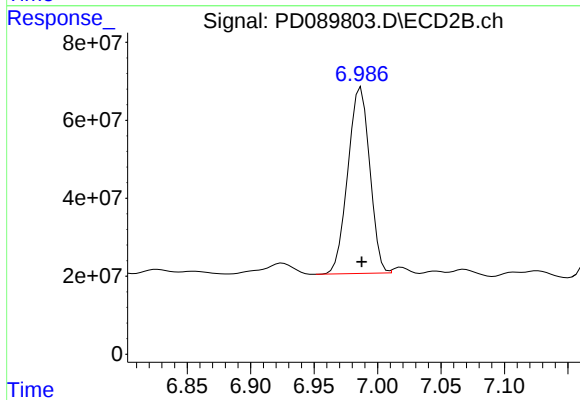
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.004 min
Response: 140140264
Conc: 37.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

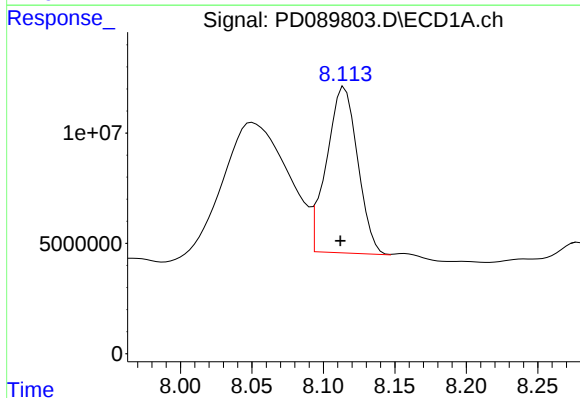
Manual Integrations
APPROVED

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



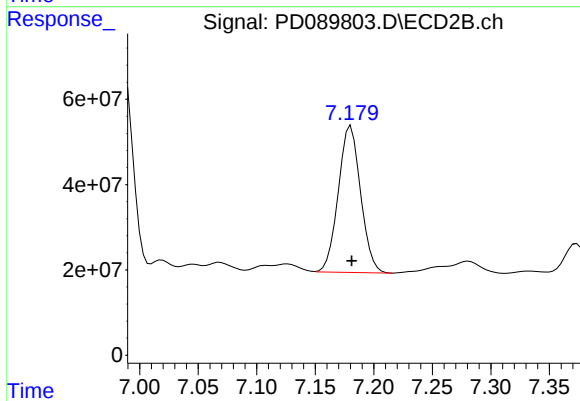
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 571650192
Conc: 28.49 ng/ml



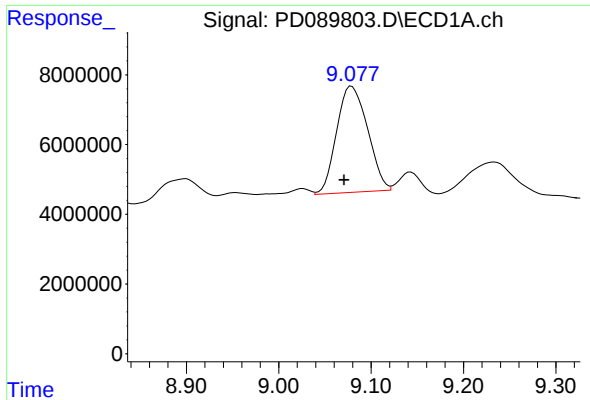
#22 Mirex

R.T.: 8.113 min
Delta R.T.: 0.002 min
Response: 111948546
Conc: 40.15 ng/ml m



#22 Mirex

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 455594659
Conc: 29.93 ng/ml m



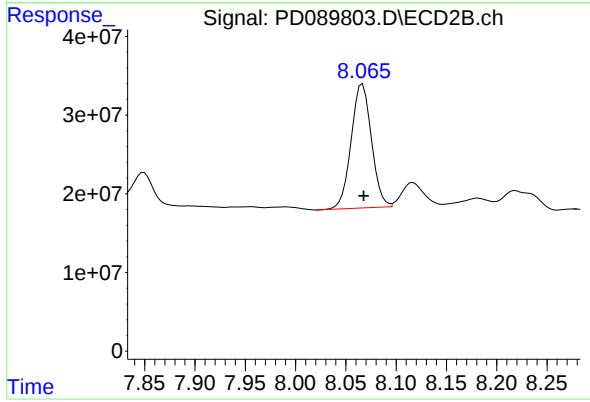
#28 Decachlorobiphenyl

R.T.: 9.077 min
Delta R.T.: 0.007 min
Response: 71112843
Conc: 19.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-4MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/11/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: -0.001 min
Response: 220283656
Conc: 10.97 ng/ml