

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
 Data File : PD089894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Aug 2025 14:14
 Operator : AR\AJ
 Sample : Q2819-14MS
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 17M-WMS

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 17:26:32 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 x 0.5 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...	3.548	2.877	42641031	337.8E6	17.287	21.329m
28)	SA Decachlor...	9.070	8.067	45831658	355.0E6	12.333	17.684 #
Target Compounds							
2)	A alpha-BHC	3.998	3.389	255.0E6	1426.7E6	51.475	58.702m
3)	MA gamma-BHC...	4.329	3.727	235.3E6	1324.6E6	49.509	58.809
4)	MA Heptachlor	4.927	4.079	237.1E6	1314.7E6	49.267	56.647
5)	MB Aldrin	5.263	4.365	172.8E6	1478.0E6	37.848m	66.426 #
6)	B beta-BHC	4.515	4.023	90363742	564.7E6	48.986	58.529
7)	B delta-BHC	4.764	4.259	227.8E6	1357.5E6	49.662	59.760
8)	B Heptachlo...	5.683	4.869	285.3E6	1660.3E6	68.251m	80.794
9)	A Endosulfan I	6.071	5.239	196.0E6	1192.9E6	49.444	61.021m
10)	B gamma-Chl...	5.944	5.127	3510.5E6	10951.0E6	840.029	505.743 #
11)	B alpha-Chl...	6.026	5.181	4153.1E6	12306.5E6	987.849	591.036 #
12)	B 4,4'-DDE	6.193	5.371	292.3E6	1422.5E6	78.378	67.299
13)	MA Dieldrin	6.345	5.507	220.8E6	1373.1E6	52.270	63.456m
14)	MA Endrin	6.571	5.785	155.7E6	1758.7E6	43.509m	88.267m#
15)	B Endosulfa...	6.785	6.084	205.4E6	4836.0E6	55.982	257.240 #
16)	A 4,4'-DDD	6.701	5.925	125.2E6	705.2E6	41.807m	39.992
17)	MA 4,4'-DDT	7.019	6.179	204.7E6	1520.0E6	60.923	82.734 #
18)	B Endrin al...	6.914	6.255	135.6E6	758.8E6	54.336	58.725
19)	B Endosulfa...	7.149	6.478	180.6E6	1014.2E6	52.047	54.626
20)	A Methoxychlor	7.492	6.749	67095468	483.8E6	37.526	49.388 #
21)	B Endrin ke...	7.628	6.987	157.2E6	1080.7E6	42.336	53.853 #
22)	Mirex	8.112	7.179	122.6E6	875.0E6	43.967	57.483m#

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD081525\
Data File : PD089894.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Aug 2025 14:14
Operator : AR\AJ
Sample : Q2819-14MS
Misc :
ALS Vial : 8 Sample Multiplier: 1

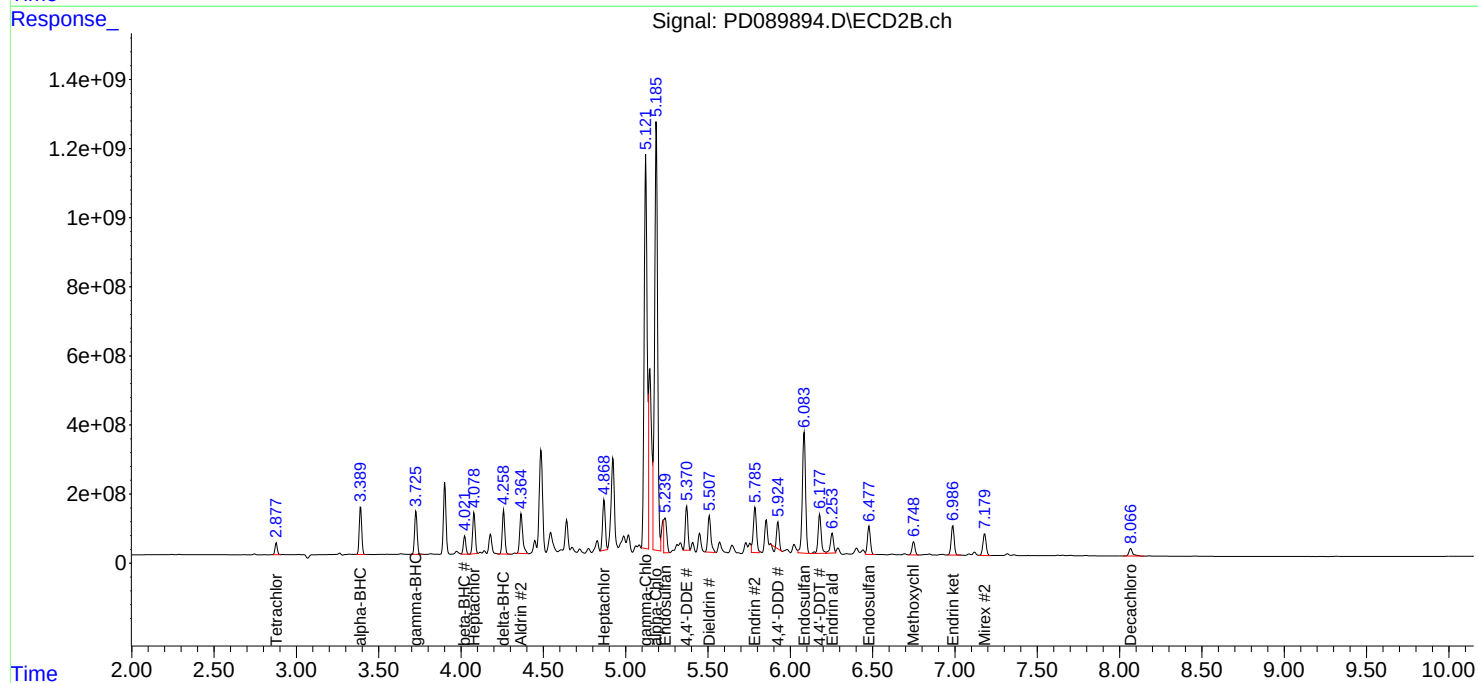
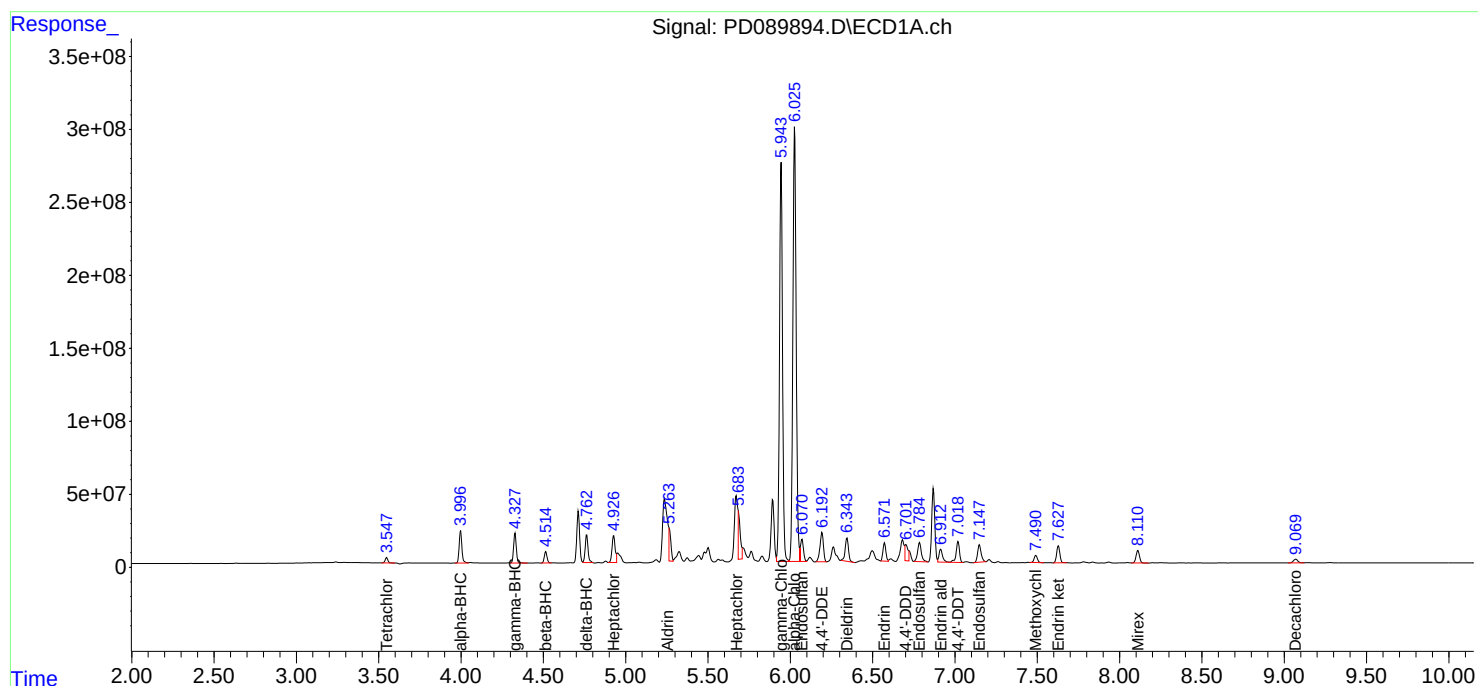
Instrument :
ECD_D
ClientSampleId :
17M-WMS

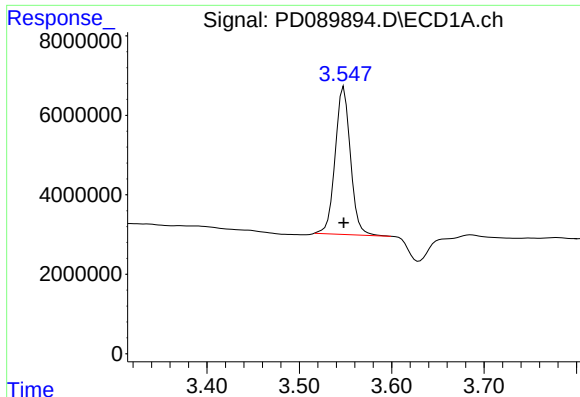
Manual Integrations
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Supervised By :mohammad ahmed 08/18/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 14 17:26:32 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





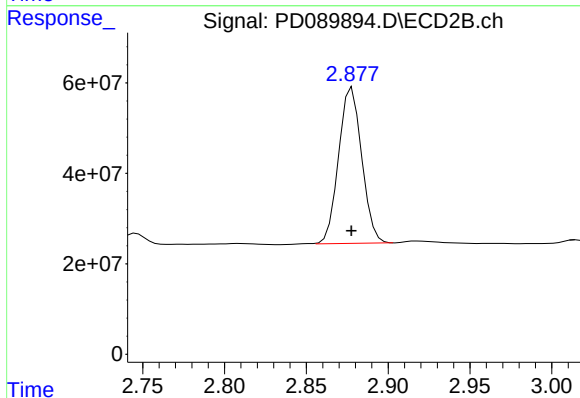
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 42641031
Conc: 17.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

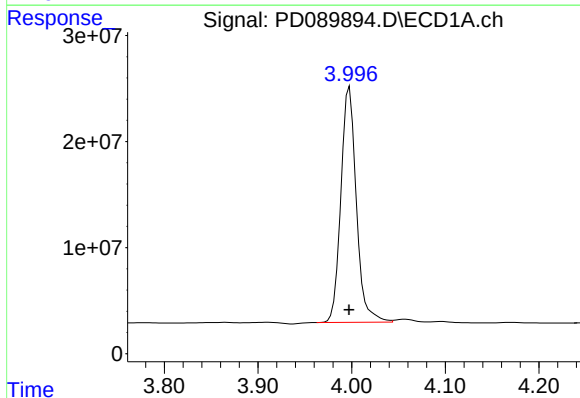
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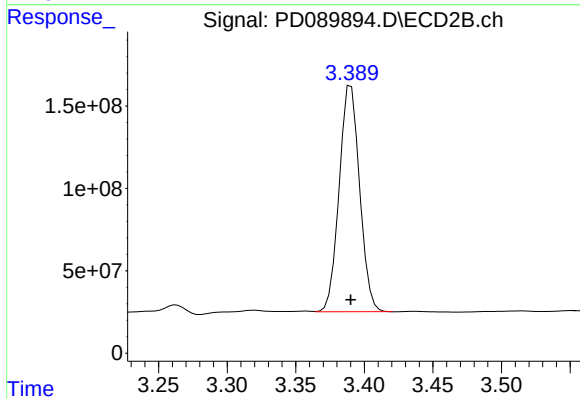
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: 0.000 min
Response: 337799027
Conc: 21.33 ng/ml m



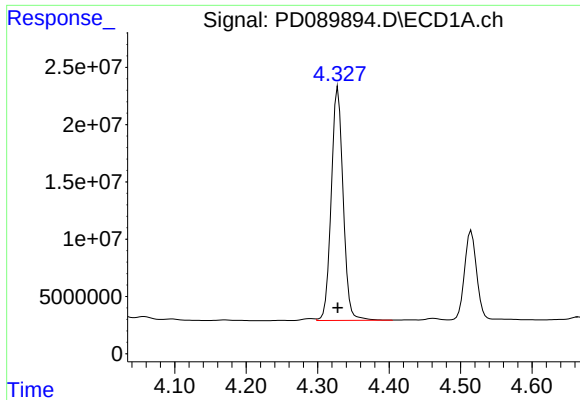
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 254981415
Conc: 51.47 ng/ml



#2 alpha-BHC

R.T.: 3.389 min
Delta R.T.: -0.001 min
Response: 1426737874
Conc: 58.70 ng/ml m



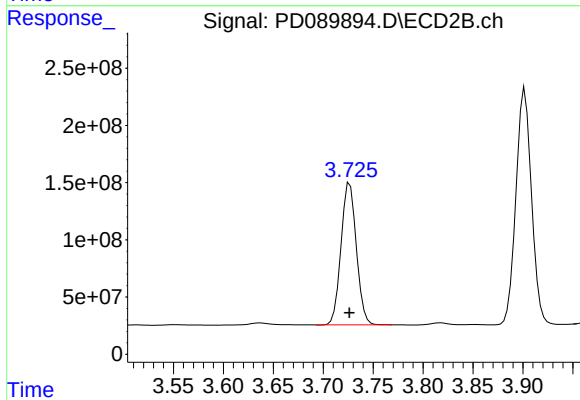
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 235282913
Conc: 49.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

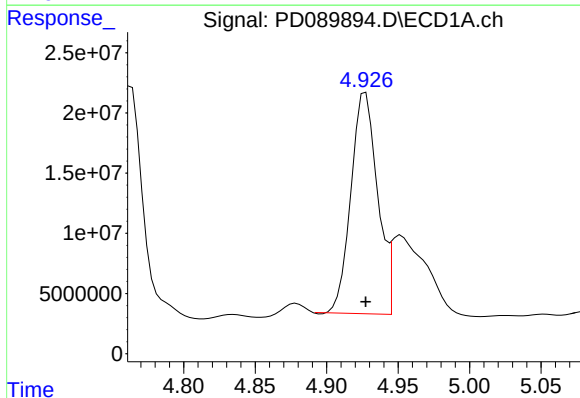
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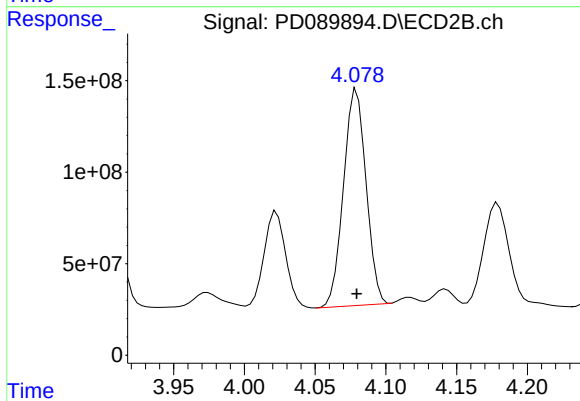
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: 0.000 min
Response: 1324623033
Conc: 58.81 ng/ml



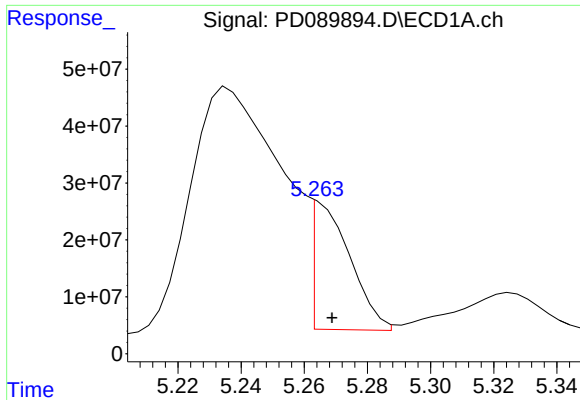
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.000 min
Response: 237051619
Conc: 49.27 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1314734892
Conc: 56.65 ng/ml



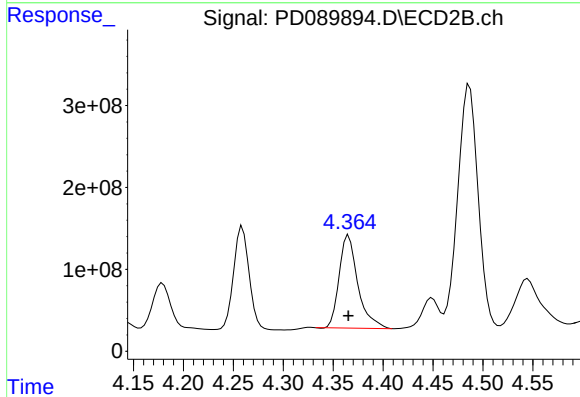
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.006 min
Response: 172770837
Conc: 37.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

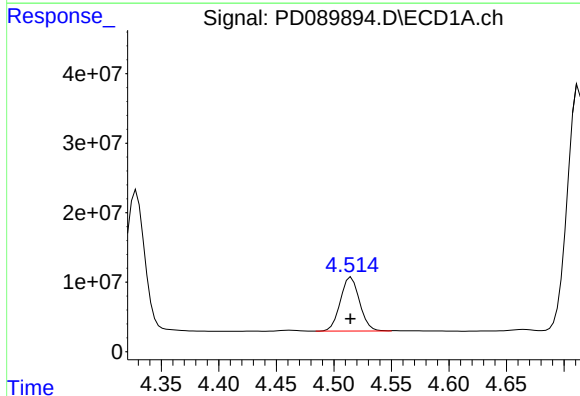
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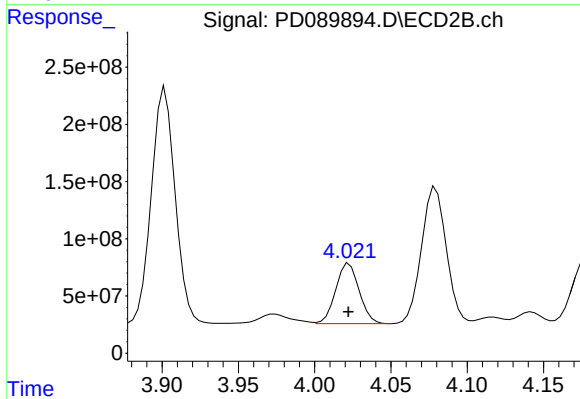
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 1478030354
Conc: 66.43 ng/ml



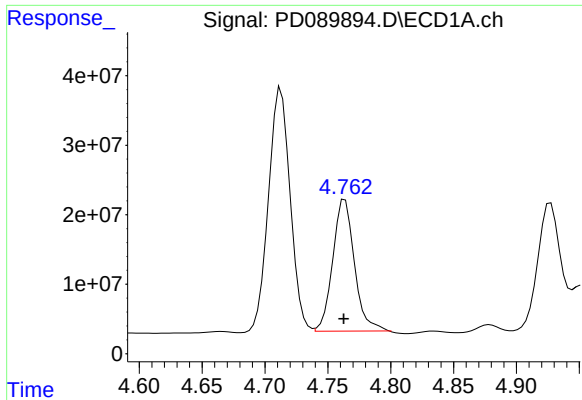
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90363742
Conc: 48.99 ng/ml



#6 beta-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 564746511
Conc: 58.53 ng/ml



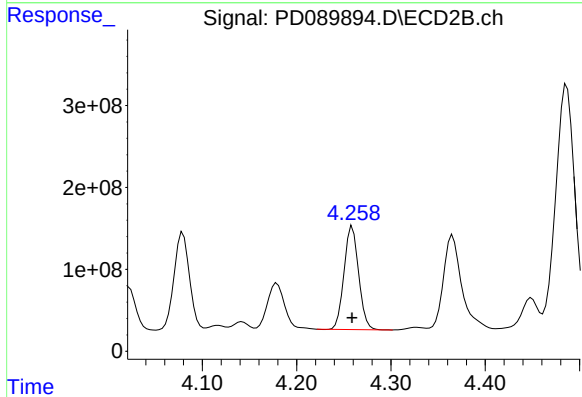
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.001 min
Response: 227761305
Conc: 49.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

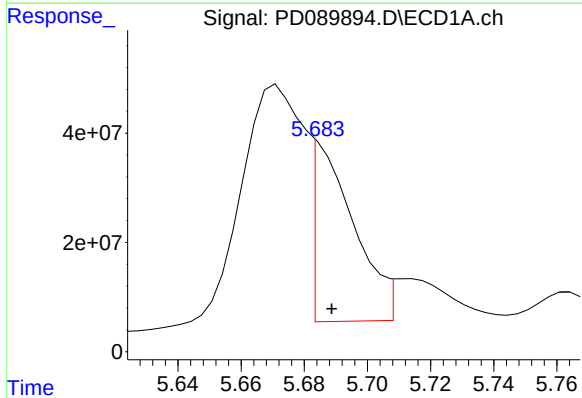
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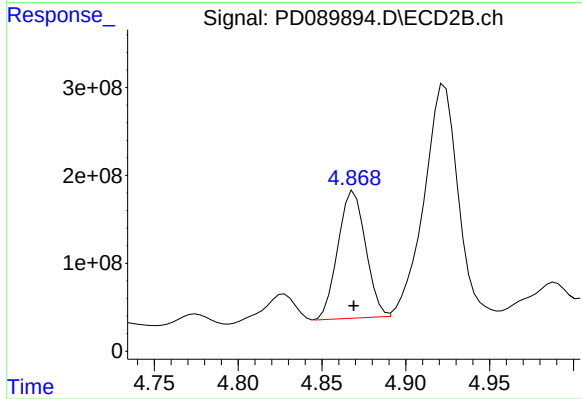
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.000 min
Response: 1357460654
Conc: 59.76 ng/ml



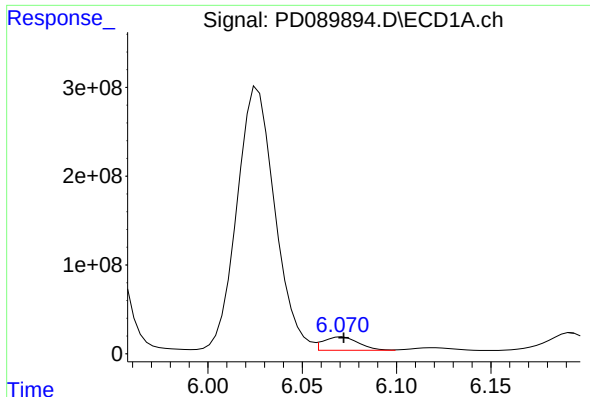
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.005 min
Response: 285337001
Conc: 68.25 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 1660309553
Conc: 80.79 ng/ml



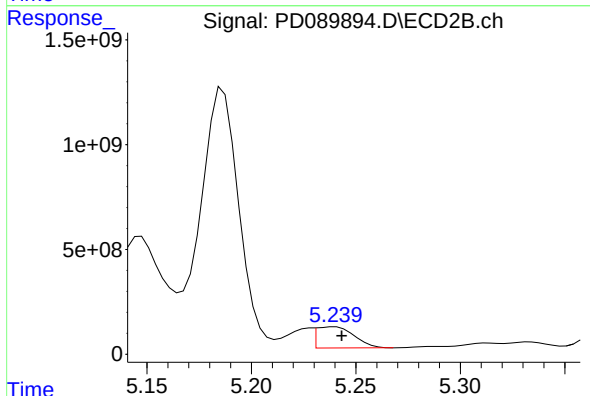
#9 Endosulfan I

R.T.: 6.071 min
Delta R.T.: 0.000 min
Response: 195976390
Conc: 49.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

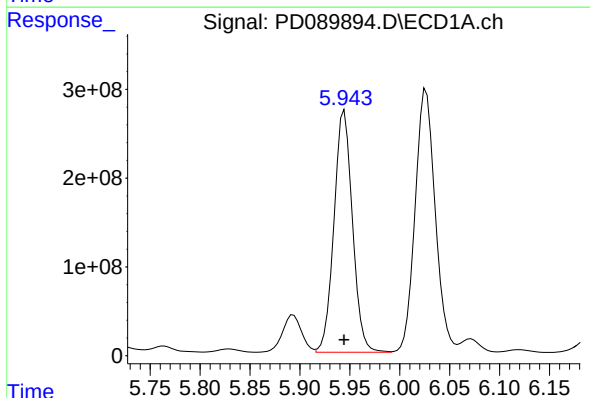
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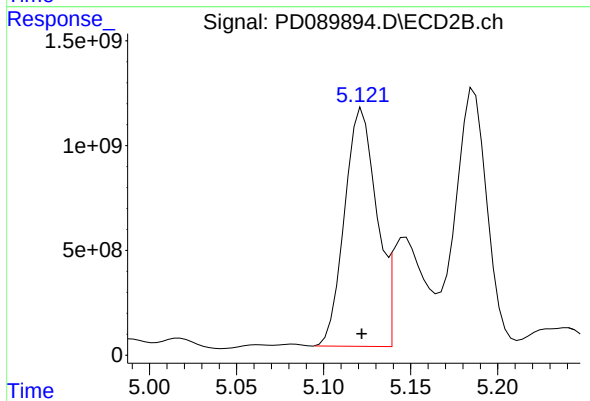
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.004 min
Response: 1192853113
Conc: 61.02 ng/ml m



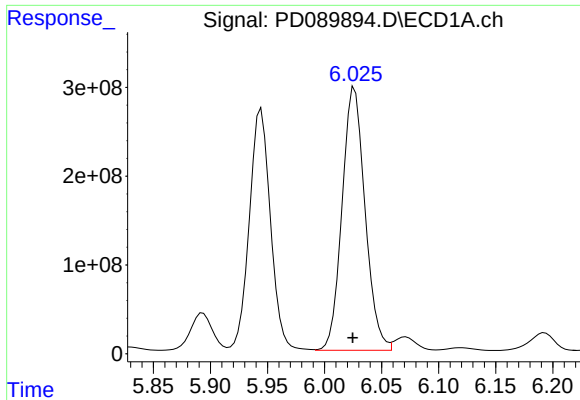
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.000 min
Response: 3510548128
Conc: 840.03 ng/ml



#10 gamma-Chlordane

R.T.: 5.127 min
Delta R.T.: 0.005 min
Response: 10951014704
Conc: 505.74 ng/ml



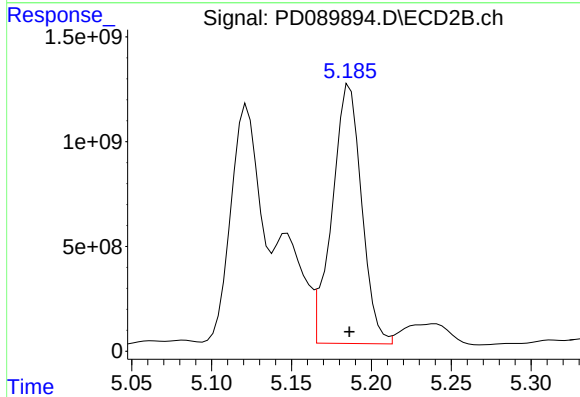
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.002 min
Response: 4153080429
Conc: 987.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

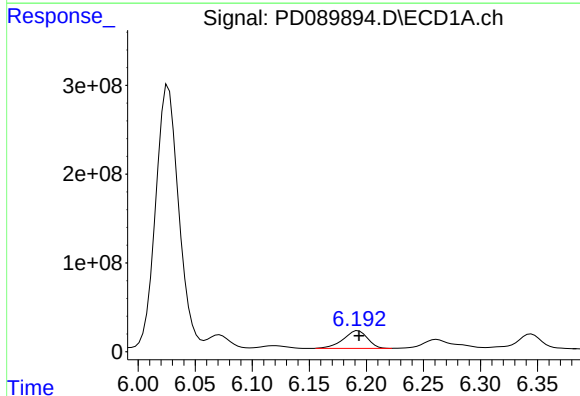
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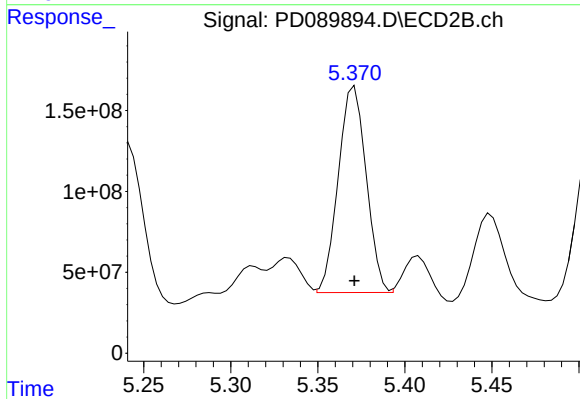
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.005 min
Response: 12306540350
Conc: 591.04 ng/ml



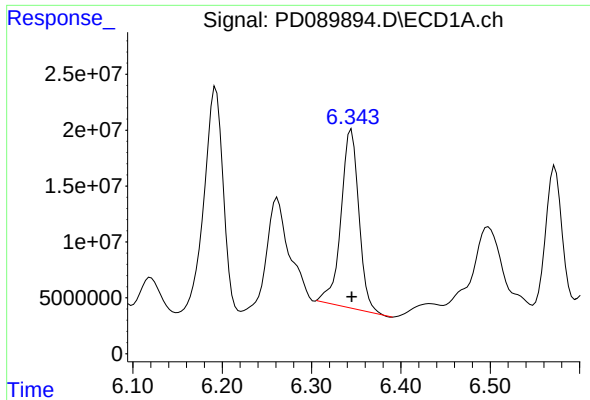
#12 4,4'-DDE

R.T.: 6.193 min
Delta R.T.: 0.000 min
Response: 292330804
Conc: 78.38 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.000 min
Response: 1422498907
Conc: 67.30 ng/ml



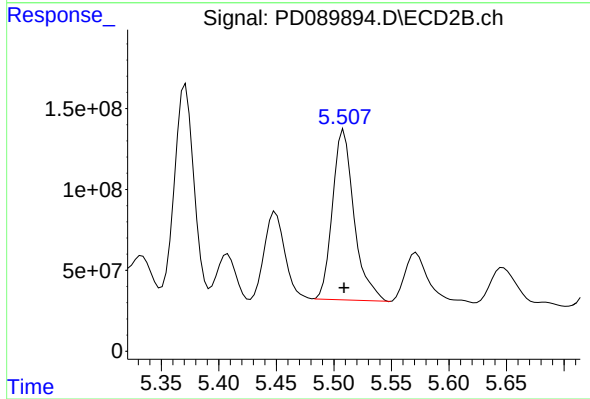
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.000 min
Response: 220756716
Conc: 52.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

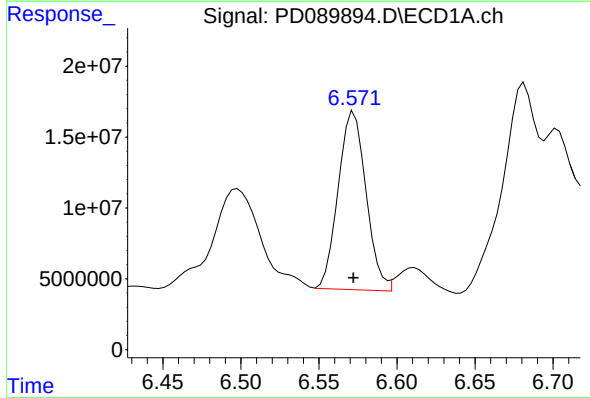
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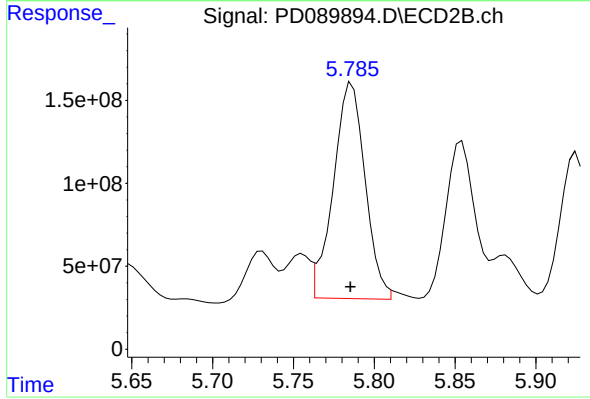
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: -0.001 min
Response: 1373123132
Conc: 63.46 ng/ml m



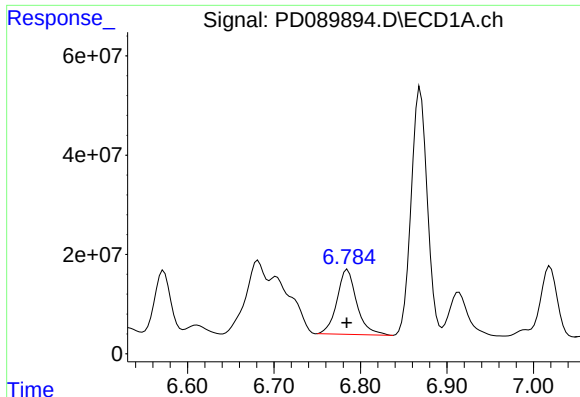
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.001 min
Response: 155664797
Conc: 43.51 ng/ml m



#14 Endrin

R.T.: 5.785 min
Delta R.T.: 0.000 min
Response: 1758727368
Conc: 88.27 ng/ml m



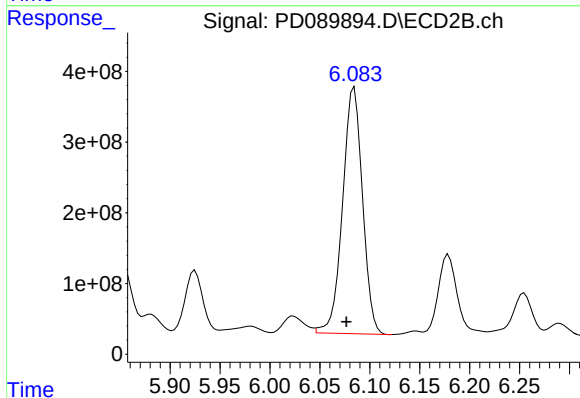
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 205418514
Conc: 55.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

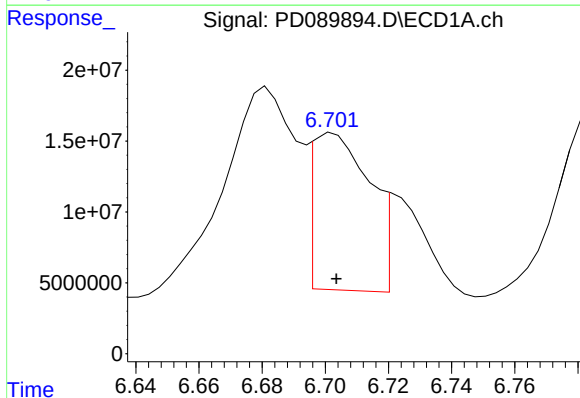
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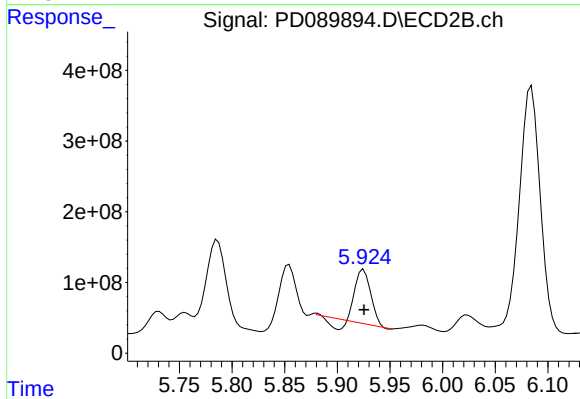
#15 Endosulfan II

R.T.: 6.084 min
Delta R.T.: 0.008 min
Response: 4835996685
Conc: 257.24 ng/ml



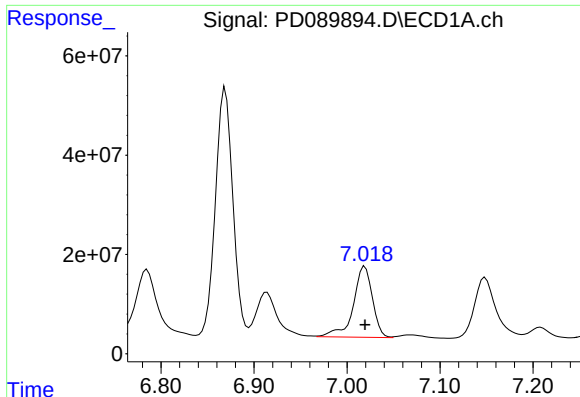
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: -0.002 min
Response: 125205950
Conc: 41.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.000 min
Response: 705156008
Conc: 39.99 ng/ml



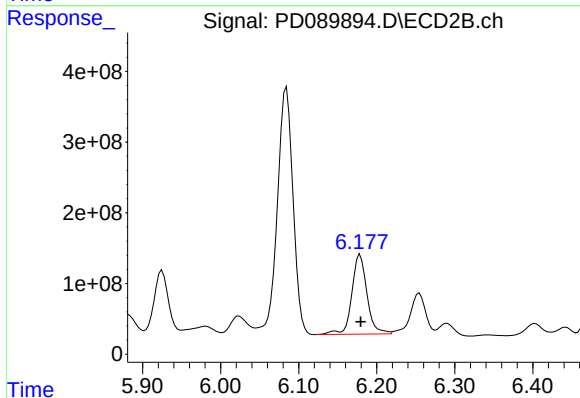
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.000 min
Response: 204717319
Conc: 60.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

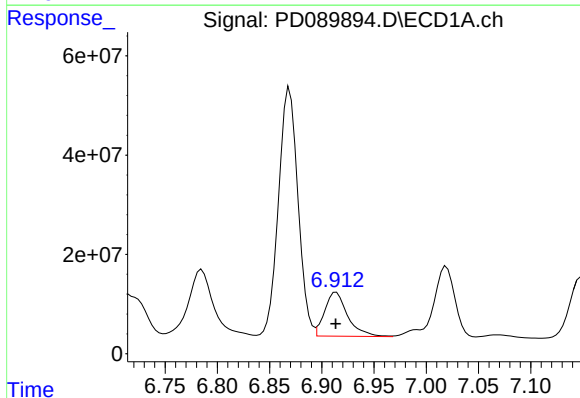
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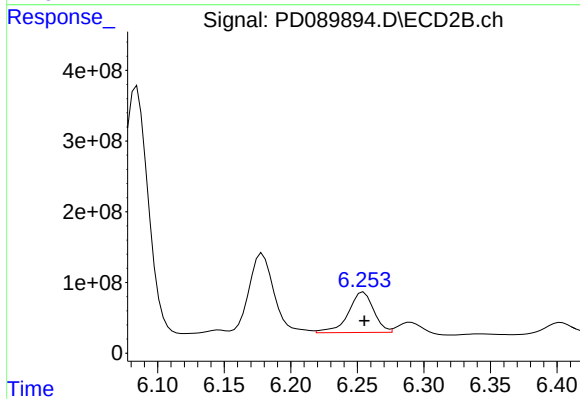
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.000 min
Response: 1520036696
Conc: 82.73 ng/ml



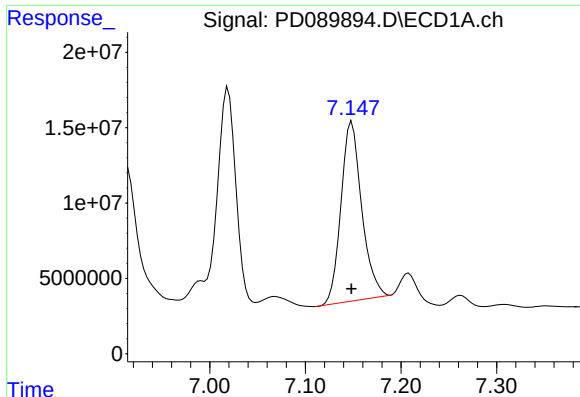
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 135599724
Conc: 54.34 ng/ml



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.000 min
Response: 758754293
Conc: 58.73 ng/ml



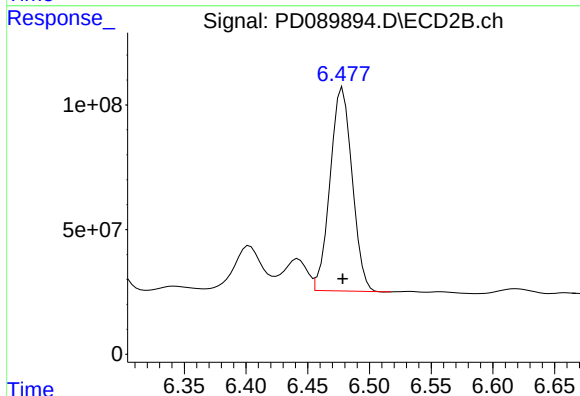
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 180604531
Conc: 52.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

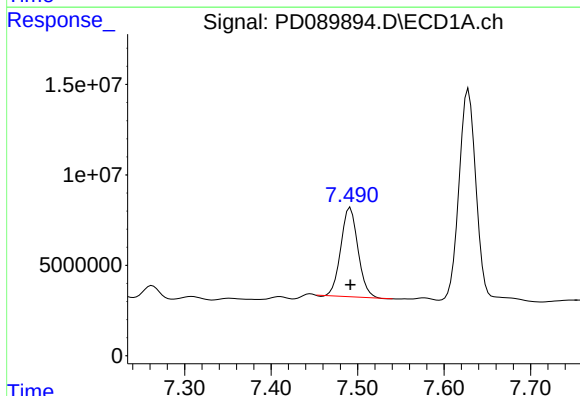
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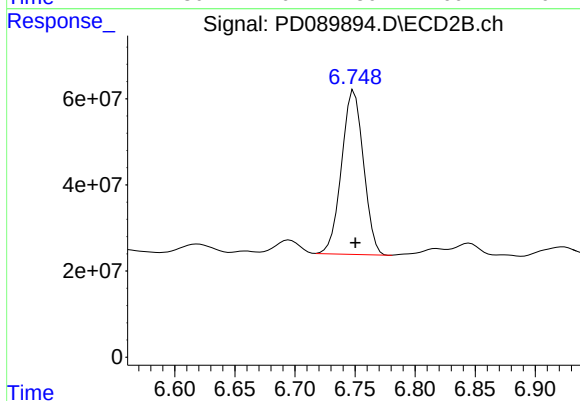
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1014163941
Conc: 54.63 ng/ml



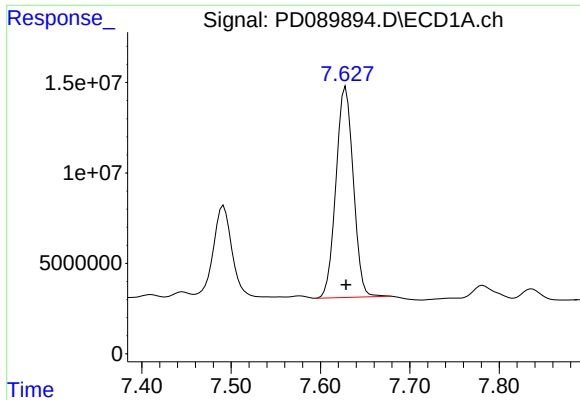
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 67095468
Conc: 37.53 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: -0.001 min
Response: 483777795
Conc: 49.39 ng/ml



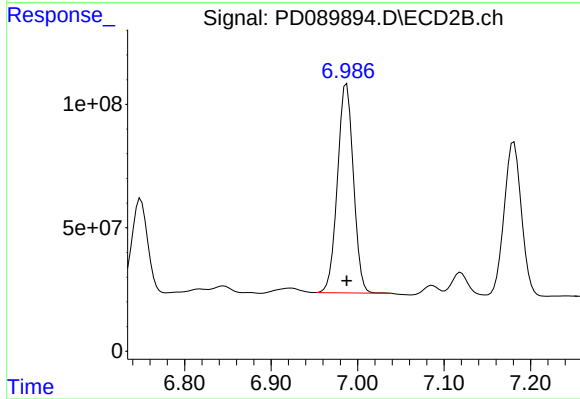
#21 Endrin ketone

R.T.: 7.628 min
Delta R.T.: 0.000 min
Response: 157240844
Conc: 42.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

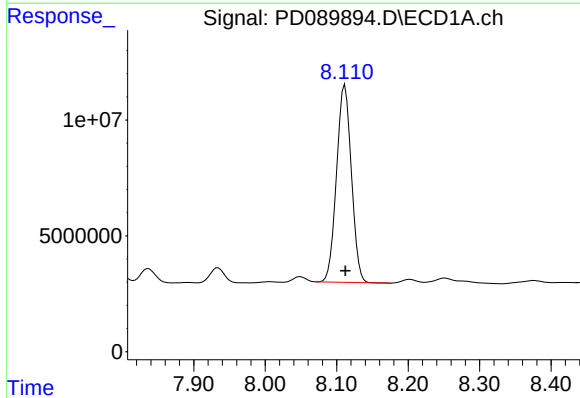
Manual Integrations
APPROVED

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



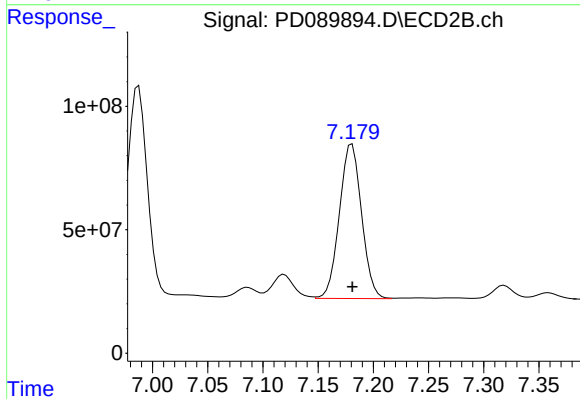
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1080724903
Conc: 53.85 ng/ml



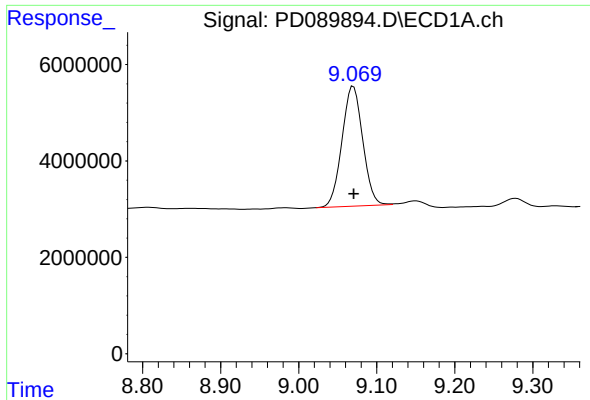
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 122593996
Conc: 43.97 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: -0.002 min
Response: 874961051
Conc: 57.48 ng/ml m



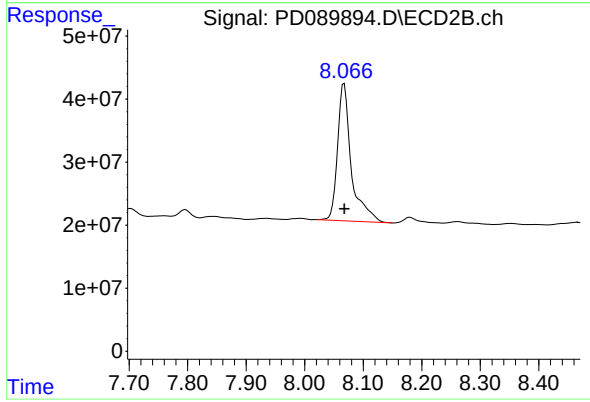
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.000 min
Response: 45831658
Conc: 12.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
17M-WMS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 08/18/2025



#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.000 min
Response: 355049200
Conc: 17.68 ng/ml