

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
 Data File : PD089199.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Jun 2025 20:35
 Operator : AR\AJ
 Sample : Q2425-03MSD
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 COMP-3MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/30/2025
 Supervised By : mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 27 23:16:11 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 18 05:39:05 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...	3.548	2.881	49494538	312.4E6	17.347m	18.427
28)	SA Decachlor...	9.070	8.070	65970703	329.4E6	16.797	16.662
Target Compounds							
2)	A alpha-BHC	3.999	3.393	251.9E6	1184.8E6	43.221	44.216
3)	MA gamma-BHC...	4.330	3.729	235.3E6	1055.5E6	42.154	42.633
4)	MA Heptachlor	4.929	4.082	183.7E6	861.7E6	33.703	34.413
5)	MB Aldrin	5.270	4.367	240.3E6	1099.4E6	45.233	45.398
6)	B beta-BHC	4.515	4.024	94125155	482.4E6	42.646	44.895
7)	B delta-BHC	4.763	4.261	212.3E6	999.5E6	41.357	40.182
8)	B Heptachlo...	5.690	4.871	211.2E6	978.4E6	43.780	44.681
9)	A Endosulfan I	6.074	5.245	197.7E6	892.9E6	43.850	42.841
10)	B gamma-Chl...	5.945	5.124	222.2E6	1091.7E6	46.416	45.634
11)	B alpha-Chl...	6.026	5.188	212.7E6	1015.1E6	43.968	44.333
12)	B 4,4'-DDE	6.195	5.373	196.6E6	1043.5E6	45.089	45.535
13)	MA Dieldrin	6.346	5.511	212.3E6	1028.5E6	44.257	44.316
14)	MA Endrin	6.573	5.787	170.8E6	889.0E6	41.390	40.941
15)	B Endosulfa...	6.785	6.077	174.9E6	867.8E6	43.319	42.970m
16)	A 4,4'-DDD	6.704	5.928	151.0E6	809.9E6	44.007	42.339
17)	MA 4,4'-DDT	7.018	6.182	95626120	649.9E6	25.243m	32.047 #
18)	B Endrin al...	6.914	6.256	104.0E6	513.8E6	33.935	33.555m
19)	B Endosulfa...	7.148	6.480	142.6E6	695.6E6	37.151	35.452
20)	A Methoxychlor	7.490	6.752	47300429	276.8E6	23.409m	25.704
21)	B Endrin ke...	7.629	6.989	155.7E6	832.5E6	38.225	38.537
22)	Mirex	8.112	7.183	123.3E6	688.0E6	40.556	41.250

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062825\
Data File : PD089199.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Jun 2025 20:35
Operator : AR\AJ
Sample : Q2425-03MSD
Misc :
ALS Vial : 17 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

COMP-3MSD

Manual Integrations

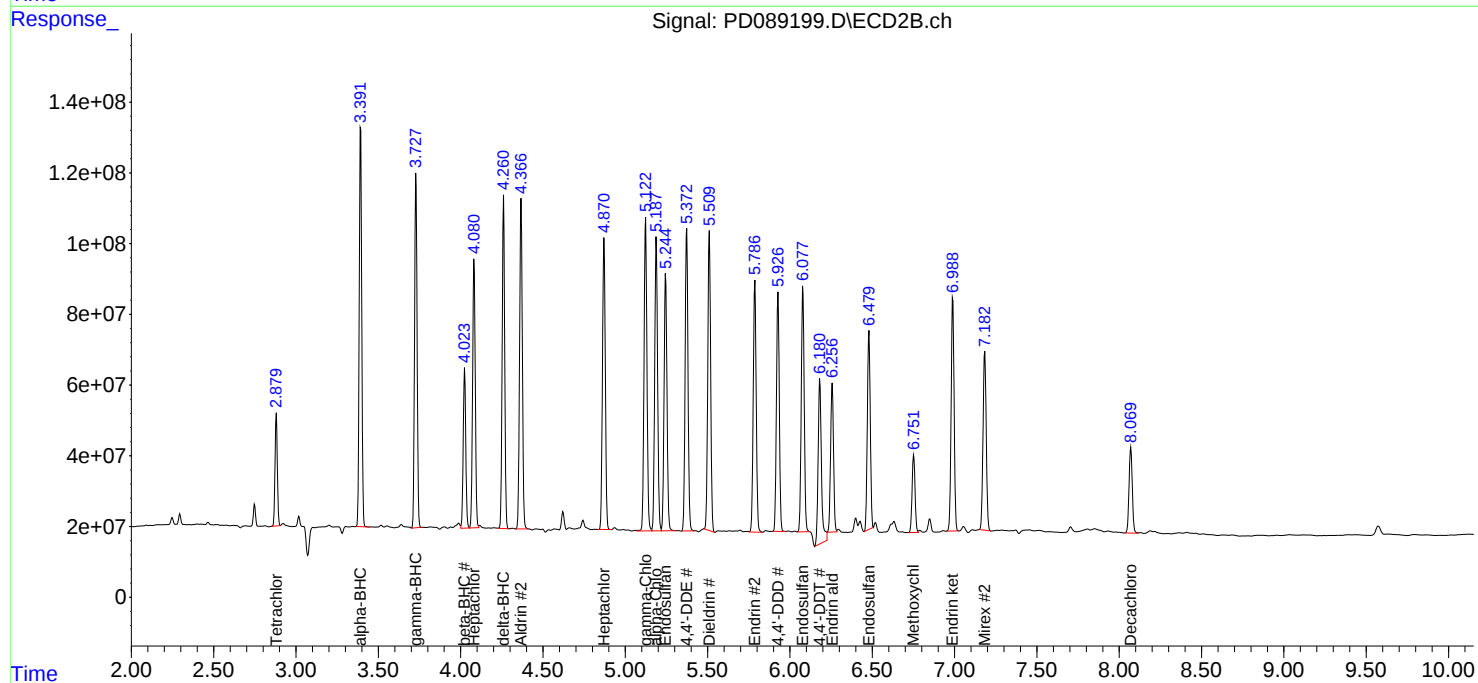
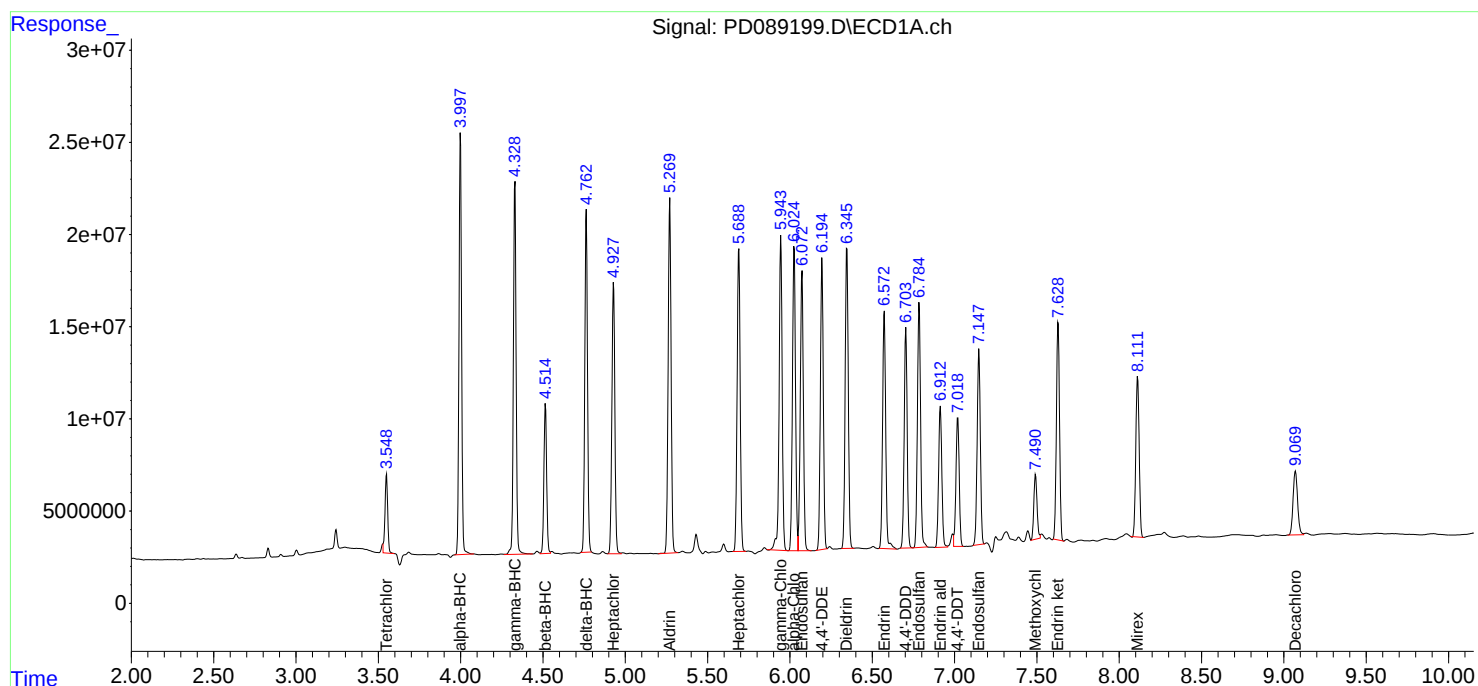
APPROVED

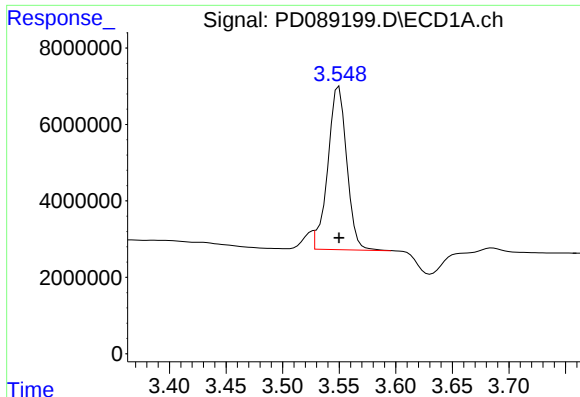
Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 27 23:16:11 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD061825.M
Quant Title : GC Extractables
QLast Update : Wed Jun 18 05:39:05 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





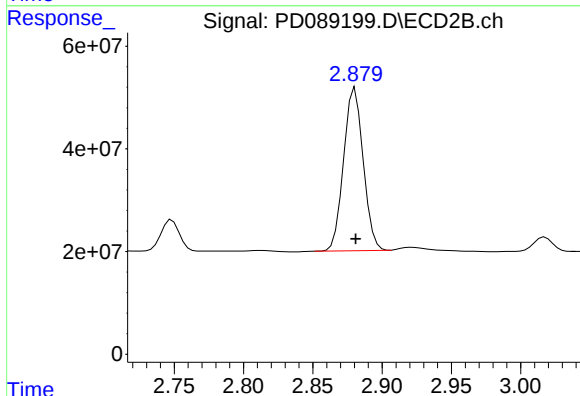
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: -0.002 min
Response: 49494538
Conc: 17.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

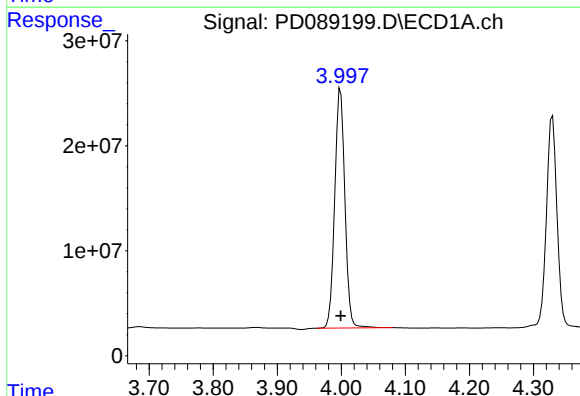
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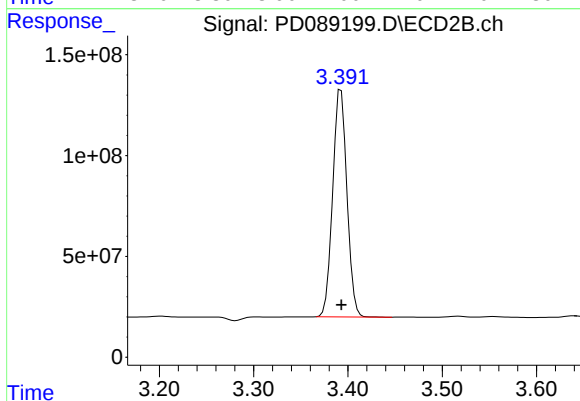
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 312400514
Conc: 18.43 ng/ml



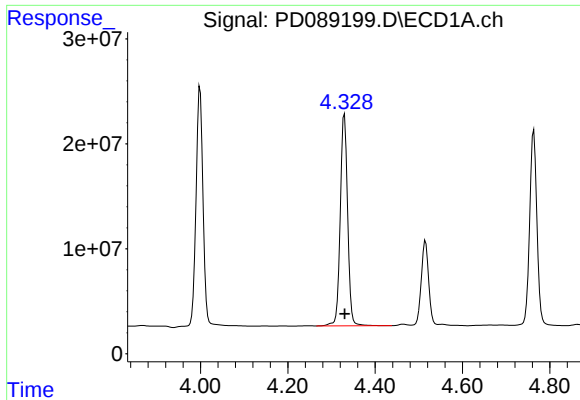
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 251937201
Conc: 43.22 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1184849535
Conc: 44.22 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 235287767
Conc: 42.15 ng/ml

Instrument :

ECD_D

ClientSampleId :

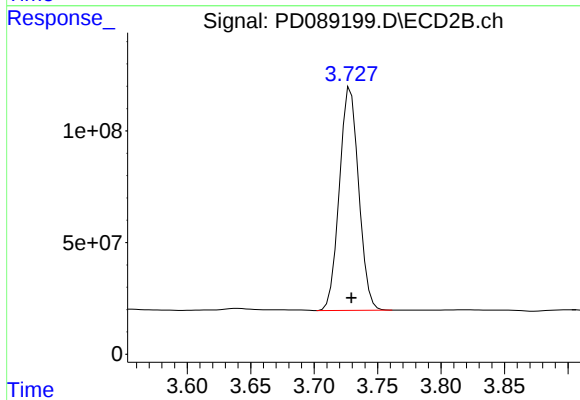
COMP-3MSD

Manual Integrations

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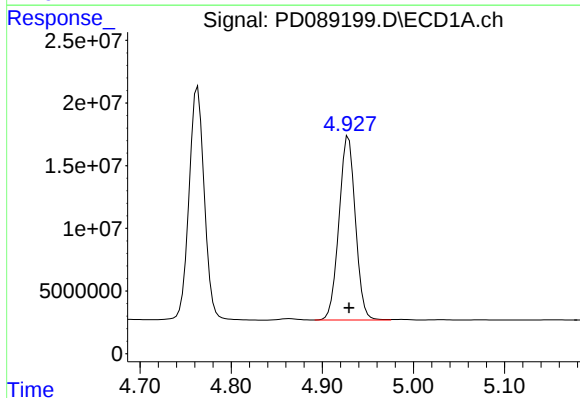
Reviewed By :Abdul Mirza 06/30/2025

Supervised By :mohammad ahmed 07/01/2025



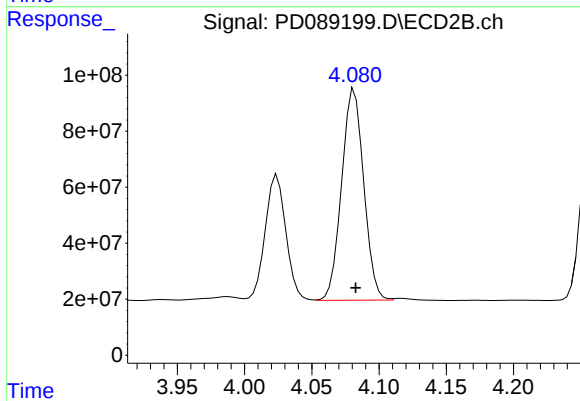
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1055452460
Conc: 42.63 ng/ml



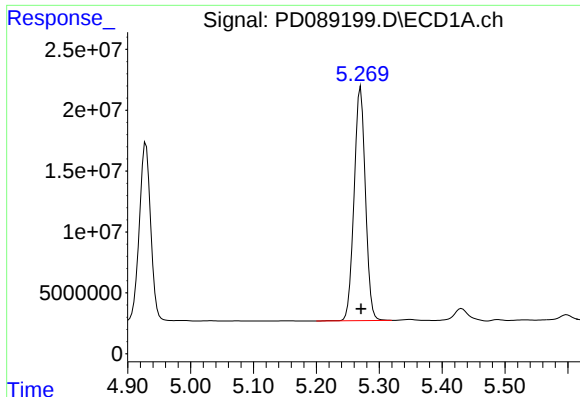
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 183745211
Conc: 33.70 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.001 min
Response: 861650086
Conc: 34.41 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 240321157
Conc: 45.23 ng/ml

Instrument :

ECD_D

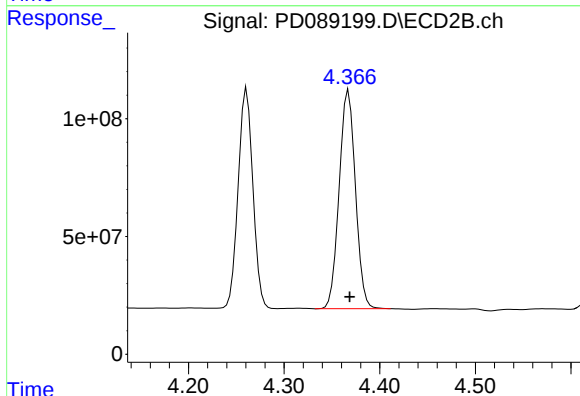
ClientSampleId :

COMP-3MSD

Manual Integrations

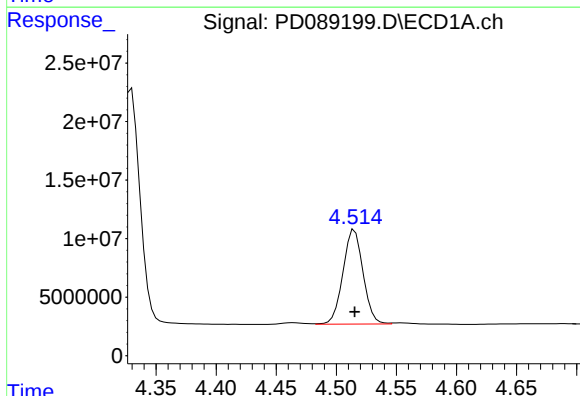
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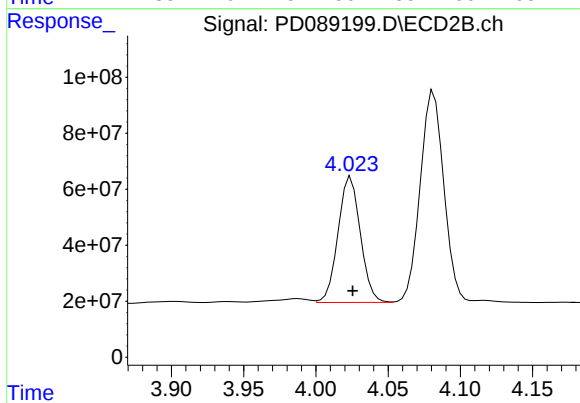
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.001 min
Response: 1099408227
Conc: 45.40 ng/ml



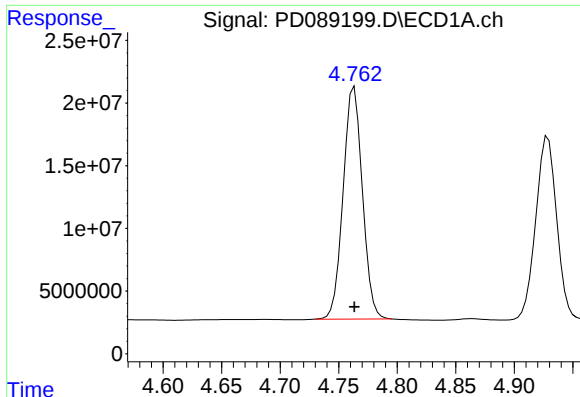
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 94125155
Conc: 42.65 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: -0.001 min
Response: 482449090
Conc: 44.89 ng/ml



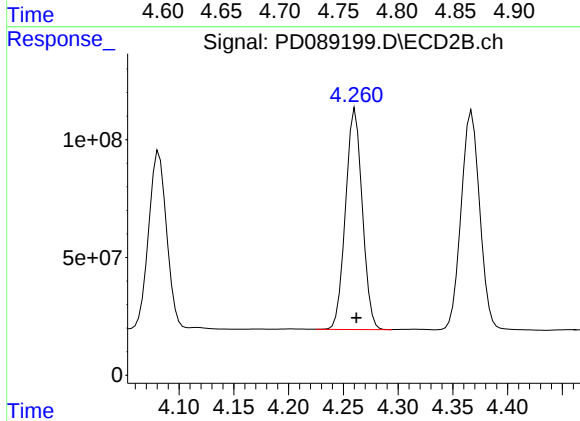
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 212281987
Conc: 41.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

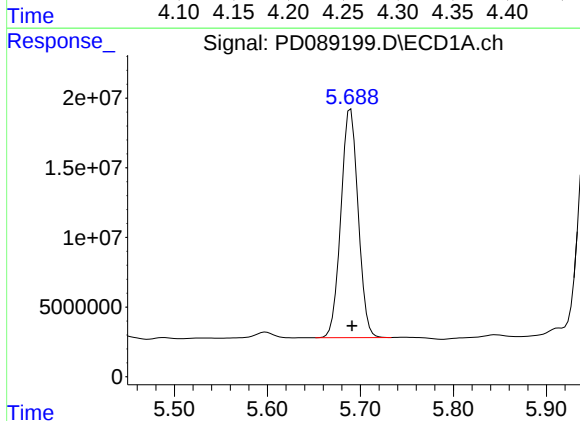
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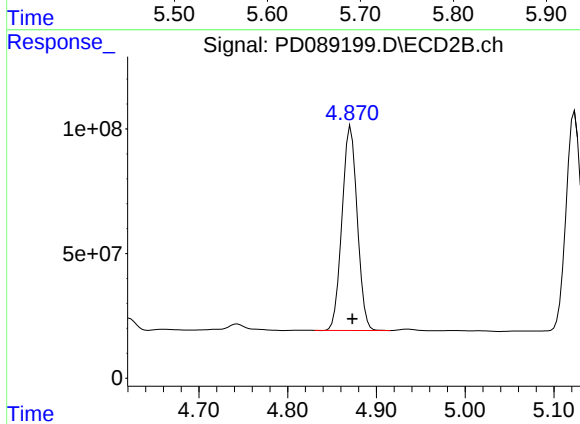
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 999477525
Conc: 40.18 ng/ml



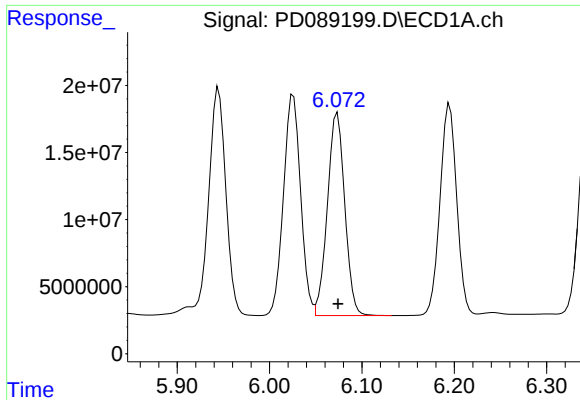
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.001 min
Response: 211194234
Conc: 43.78 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 978426921
Conc: 44.68 ng/ml



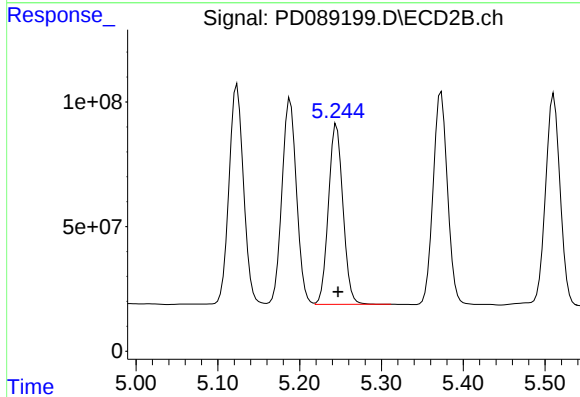
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 197653668
Conc: 43.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

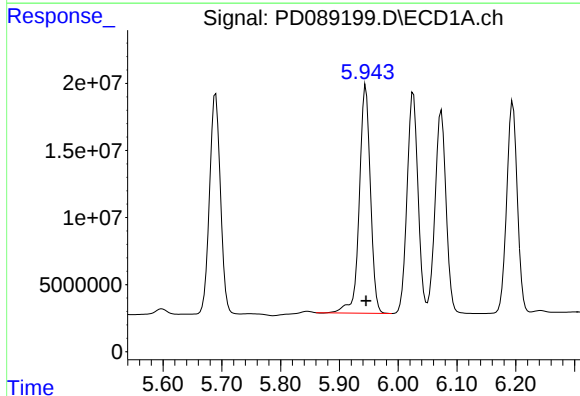
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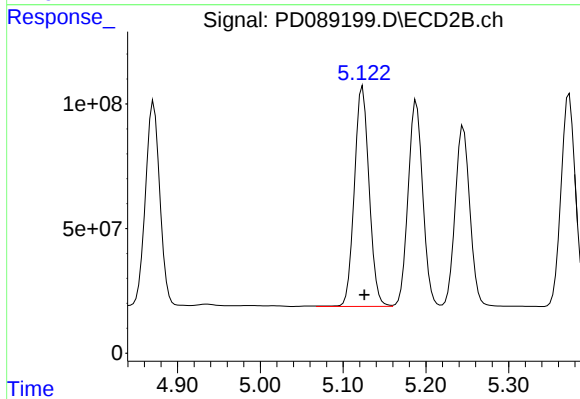
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 892916213
Conc: 42.84 ng/ml



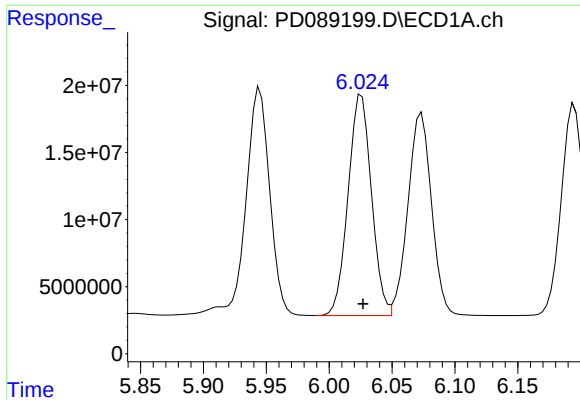
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 222246683
Conc: 46.42 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1091691979
Conc: 45.63 ng/ml



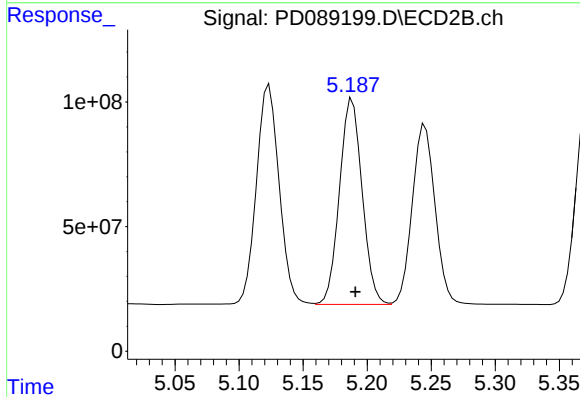
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 212739999
Conc: 43.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

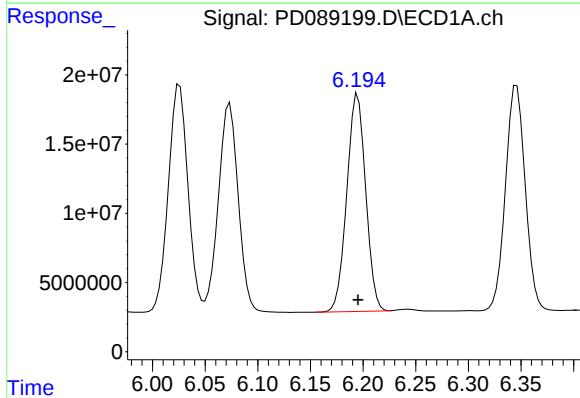
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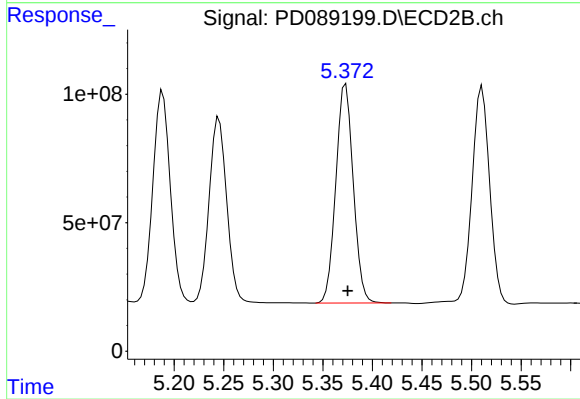
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1015077287
Conc: 44.33 ng/ml



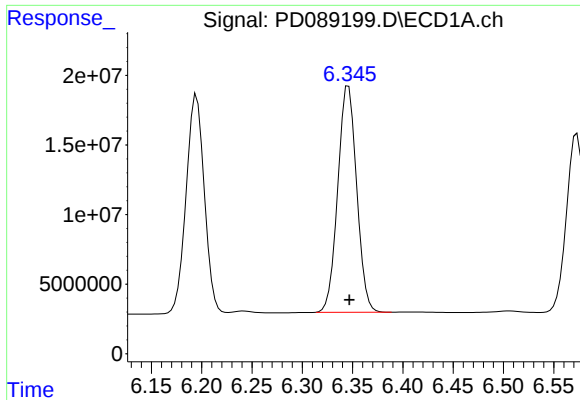
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 196634790
Conc: 45.09 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1043494454
Conc: 45.54 ng/ml



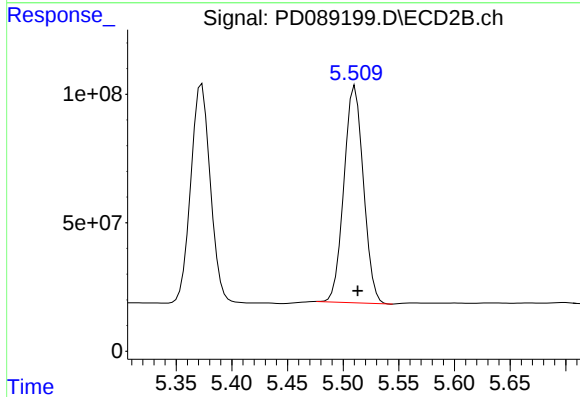
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 212323822
Conc: 44.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

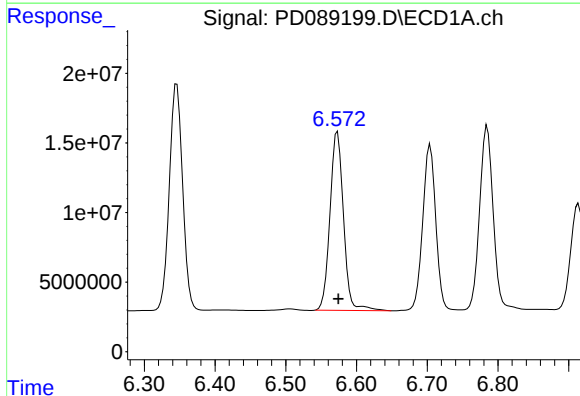
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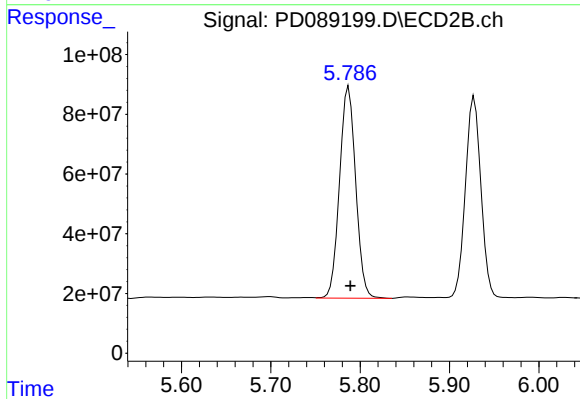
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1028513134
Conc: 44.32 ng/ml



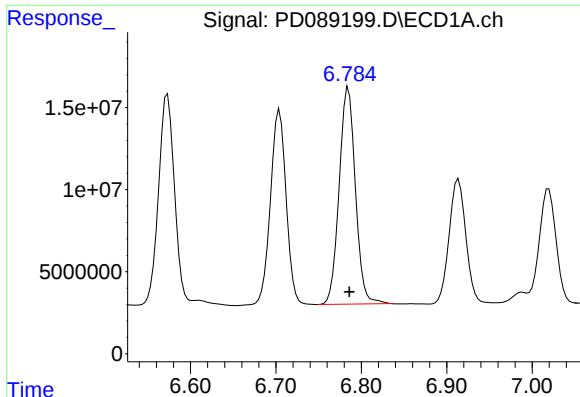
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 170759009
Conc: 41.39 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 888998031
Conc: 40.94 ng/ml



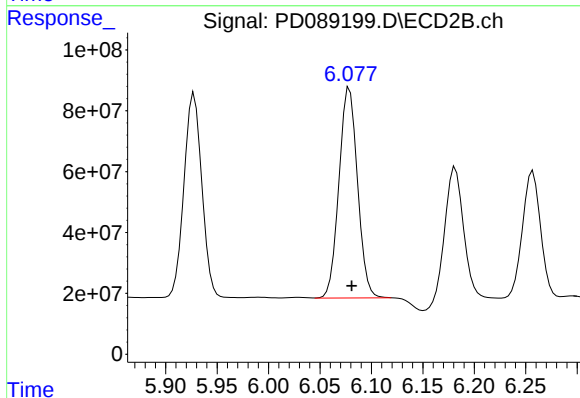
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 174859590
Conc: 43.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

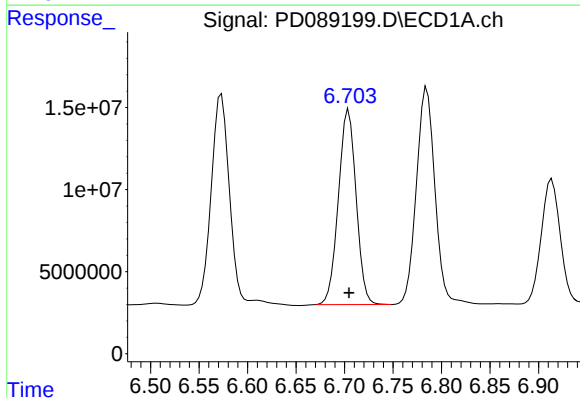
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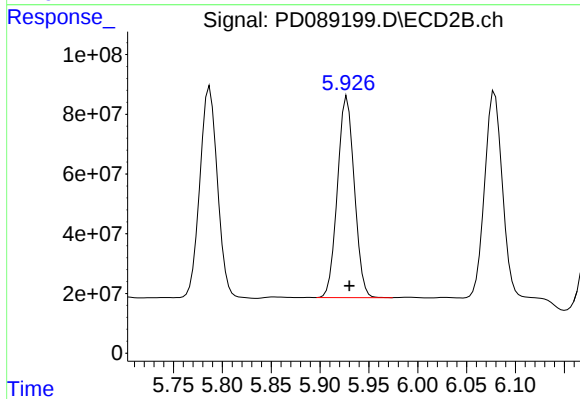
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: -0.004 min
Response: 867849766
Conc: 42.97 ng/ml m



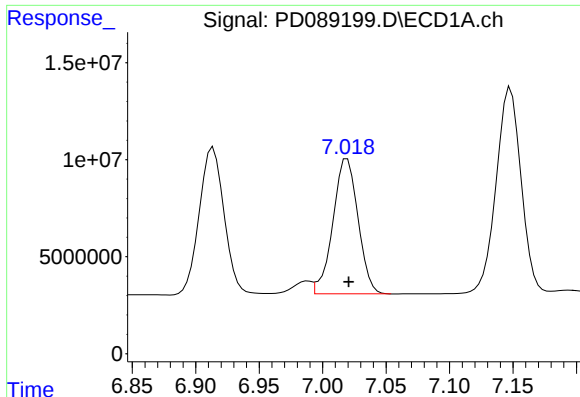
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 151035289
Conc: 44.01 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 809916870
Conc: 42.34 ng/ml



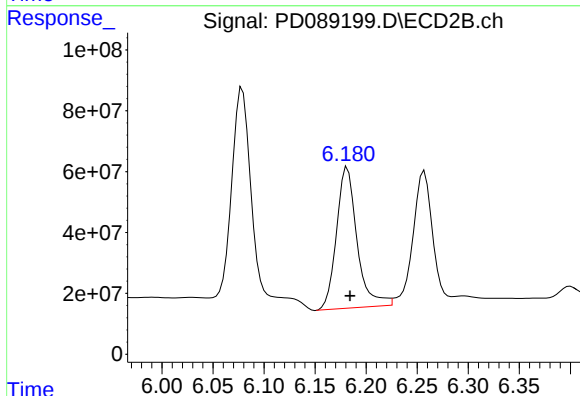
#17 4,4'-DDT

R.T.: 7.018 min
Delta R.T.: -0.002 min
Response: 95626120
Conc: 25.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

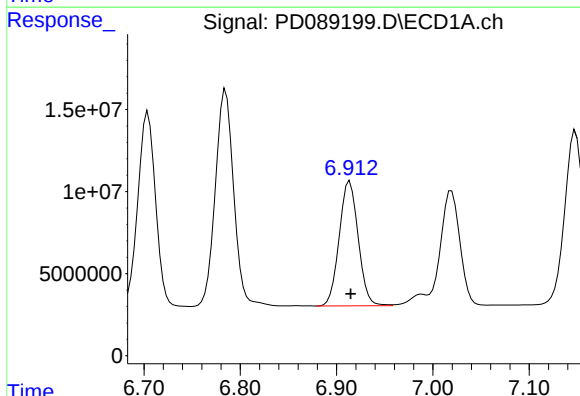
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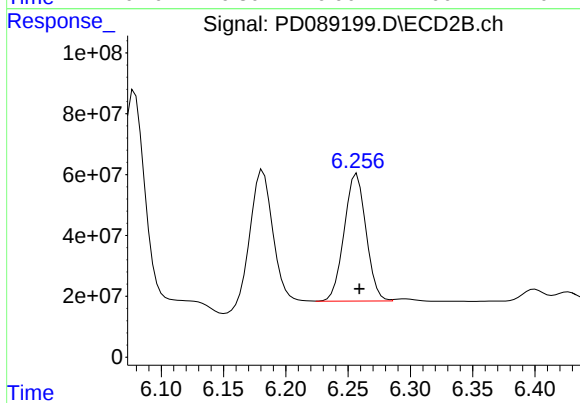
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.003 min
Response: 649895113
Conc: 32.05 ng/ml



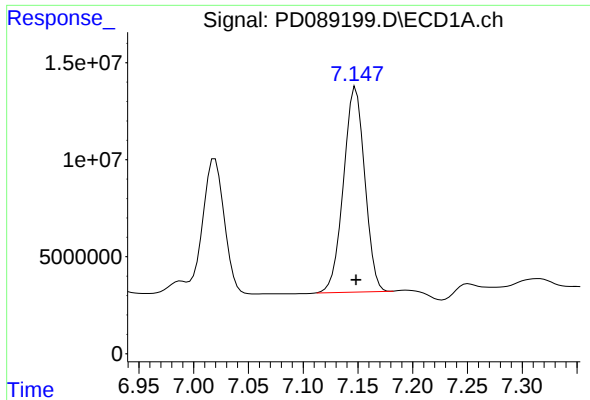
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 103973445
Conc: 33.93 ng/ml



#18 Endrin aldehyde

R.T.: 6.256 min
Delta R.T.: -0.004 min
Response: 513767650
Conc: 33.55 ng/ml m



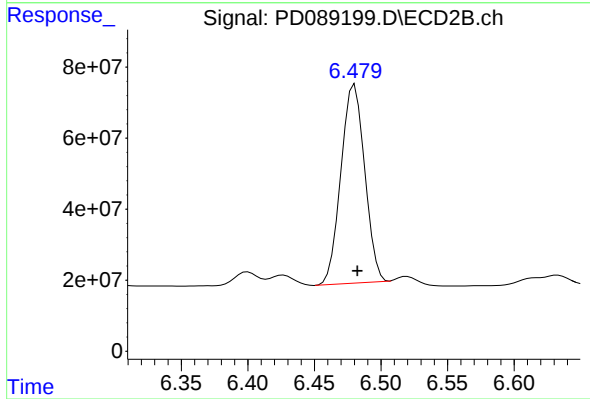
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 142556493
Conc: 37.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

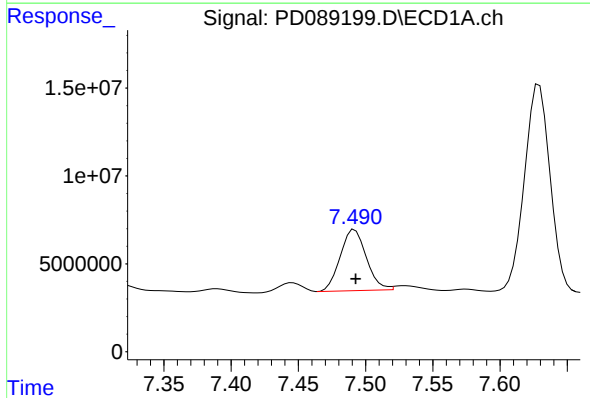
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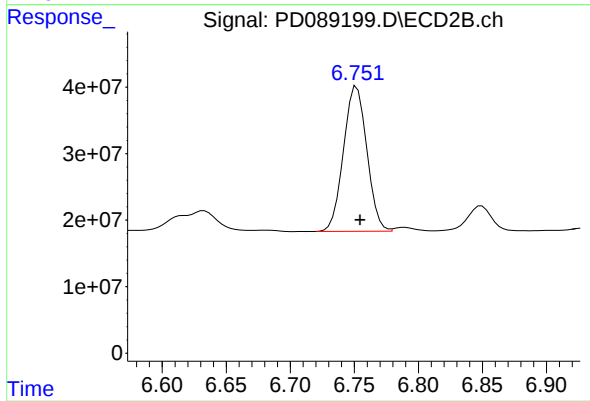
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 695607361
Conc: 35.45 ng/ml



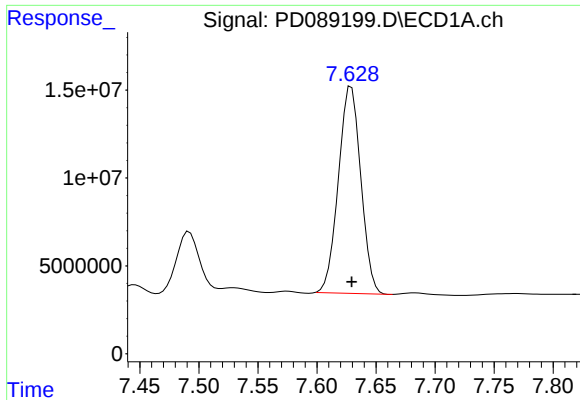
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: -0.002 min
Response: 47300429
Conc: 23.41 ng/ml m



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 276787363
Conc: 25.70 ng/ml



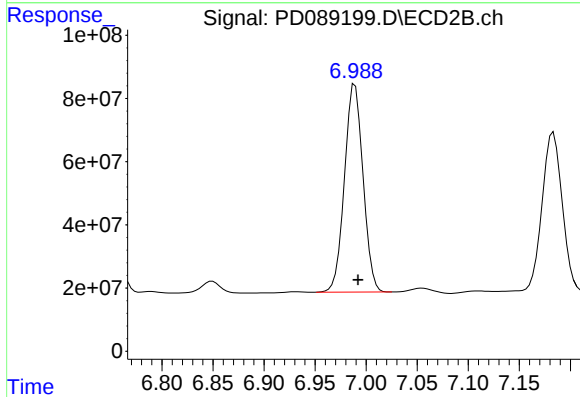
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 155693333
Conc: 38.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

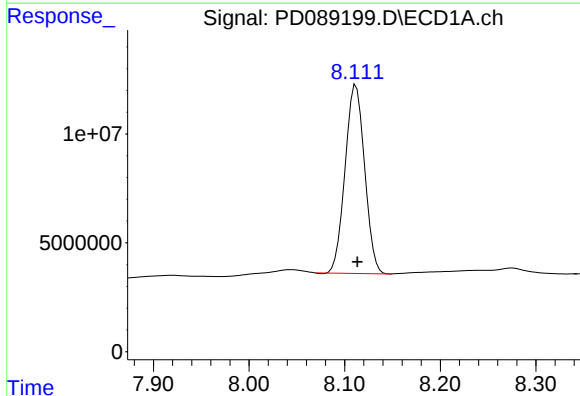
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



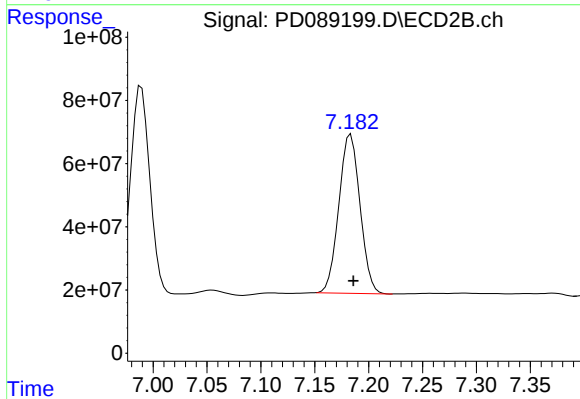
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 832471858
Conc: 38.54 ng/ml



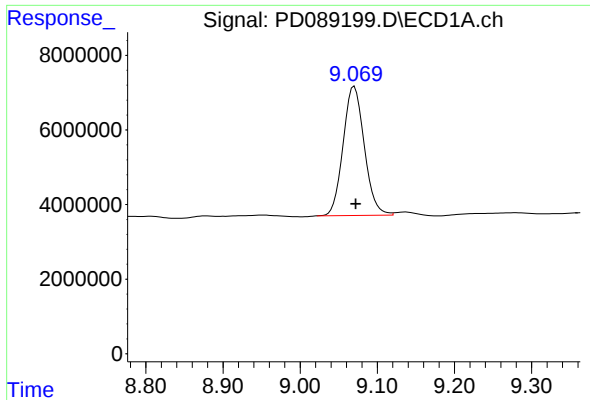
#22 Mirex

R.T.: 8.112 min
Delta R.T.: -0.001 min
Response: 123295012
Conc: 40.56 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.002 min
Response: 687982662
Conc: 41.25 ng/ml



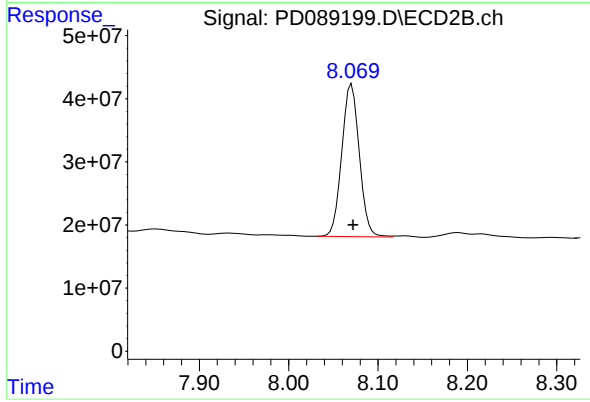
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: -0.002 min
Response: 65970703
Conc: 16.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
COMP-3MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/30/2025
Supervised By :mohammad ahmed 07/01/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 329402601
Conc: 16.66 ng/ml