

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062125\
 Data File : PD089062.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jun 2025 19:14
 Operator : AR\AJ
 Sample : Q2367-05MSD
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 EP-5MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/23/2025
 Supervised By :mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 20 23:05:54 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...	3.550	2.881	51571118	316.3E6	18.075	18.658
28)	SA Decachlor...	9.073	8.072	71940672	349.4E6	18.317	17.673
Target Compounds							
2)	A alpha-BHC	4.000	3.393	245.8E6	1149.4E6	42.161	42.893
3)	MA gamma-BHC...	4.331	3.730	238.9E6	1075.2E6	42.807	43.431
4)	MA Heptachlor	4.930	4.083	235.9E6	1078.1E6	43.265	43.058
5)	MB Aldrin	5.271	4.369	226.6E6	1026.6E6	42.652	42.393
6)	B beta-BHC	4.516	4.025	92236311	456.0E6	41.790	42.434
7)	B delta-BHC	4.765	4.262	218.4E6	1070.4E6	42.551	43.032
8)	B Heptachlo...	5.691	4.871	202.4E6	931.3E6	41.954	42.531m
9)	A Endosulfan I	6.075	5.247	194.9E6	905.6E6	43.231	43.452
10)	B gamma-Chl...	5.946	5.124	195.0E6	1005.6E6	40.723	42.034m
11)	B alpha-Chl...	6.027	5.189	204.2E6	993.2E6	42.195	43.376m
12)	B 4,4'-DDE	6.196	5.375	184.6E6	950.0E6	42.330	41.454
13)	MA Dieldrin	6.347	5.512	202.9E6	986.1E6	42.288	42.489
14)	MA Endrin	6.575	5.787	174.0E6	901.8E6	42.165	41.532m
15)	B Endosulfa...	6.787	6.080	127.7E6	847.4E6	31.646	41.956 #
16)	A 4,4'-DDD	6.704	5.929	145.7E6	757.4E6	42.445m	39.594
17)	MA 4,4'-DDT	7.021	6.183	157.4E6	848.6E6	41.545	41.844
18)	B Endrin al...	6.915	6.258	129.2E6	643.4E6	42.159	42.018
19)	B Endosulfa...	7.149	6.482	157.2E6	811.1E6	40.971	41.339
20)	A Methoxychlor	7.493	6.754	82662869	435.5E6	40.909	40.441
21)	B Endrin ke...	7.630	6.991	167.8E6	871.5E6	41.193	40.342
22)	Mirex	8.114	7.185	124.9E6	677.8E6	41.087	40.641

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062125\
Data File : PD089062.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jun 2025 19:14
Operator : AR\AJ
Sample : Q2367-05MSD
Misc :
ALS Vial : 20 Sample Multiplier: 1

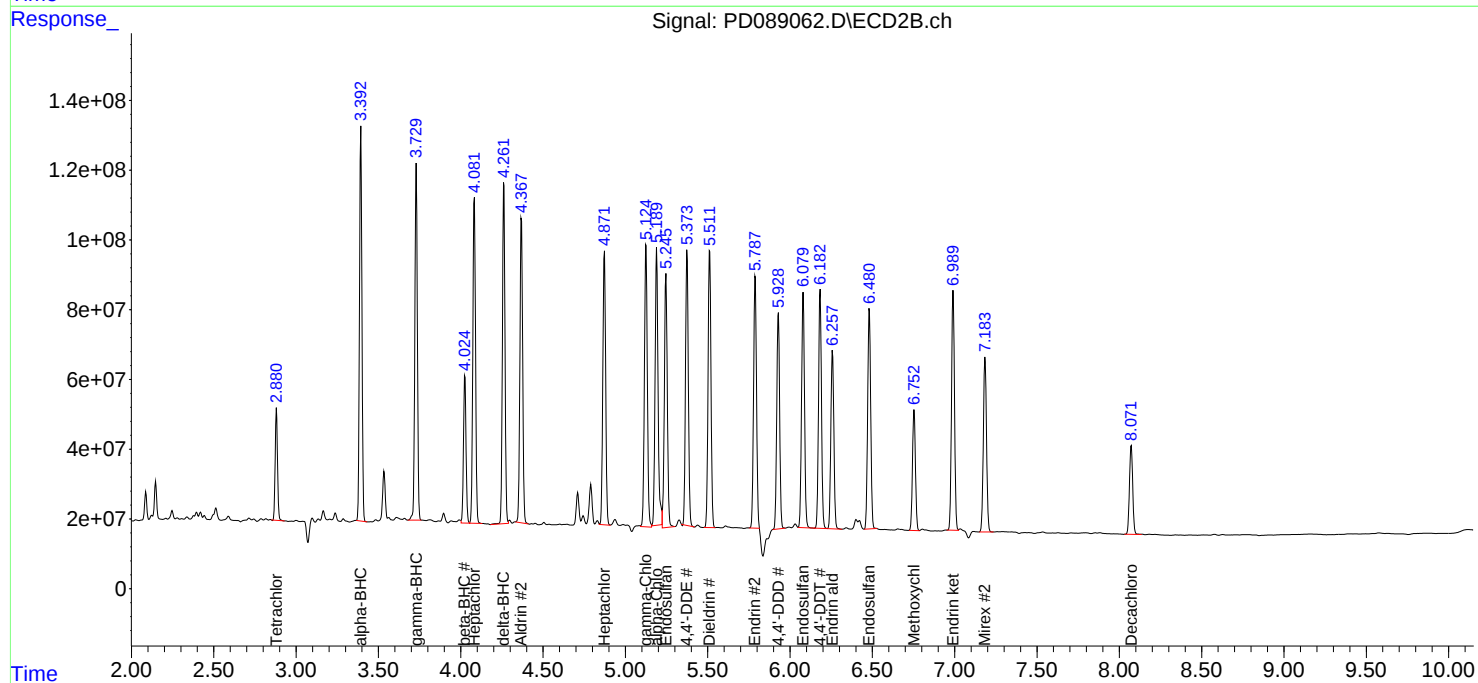
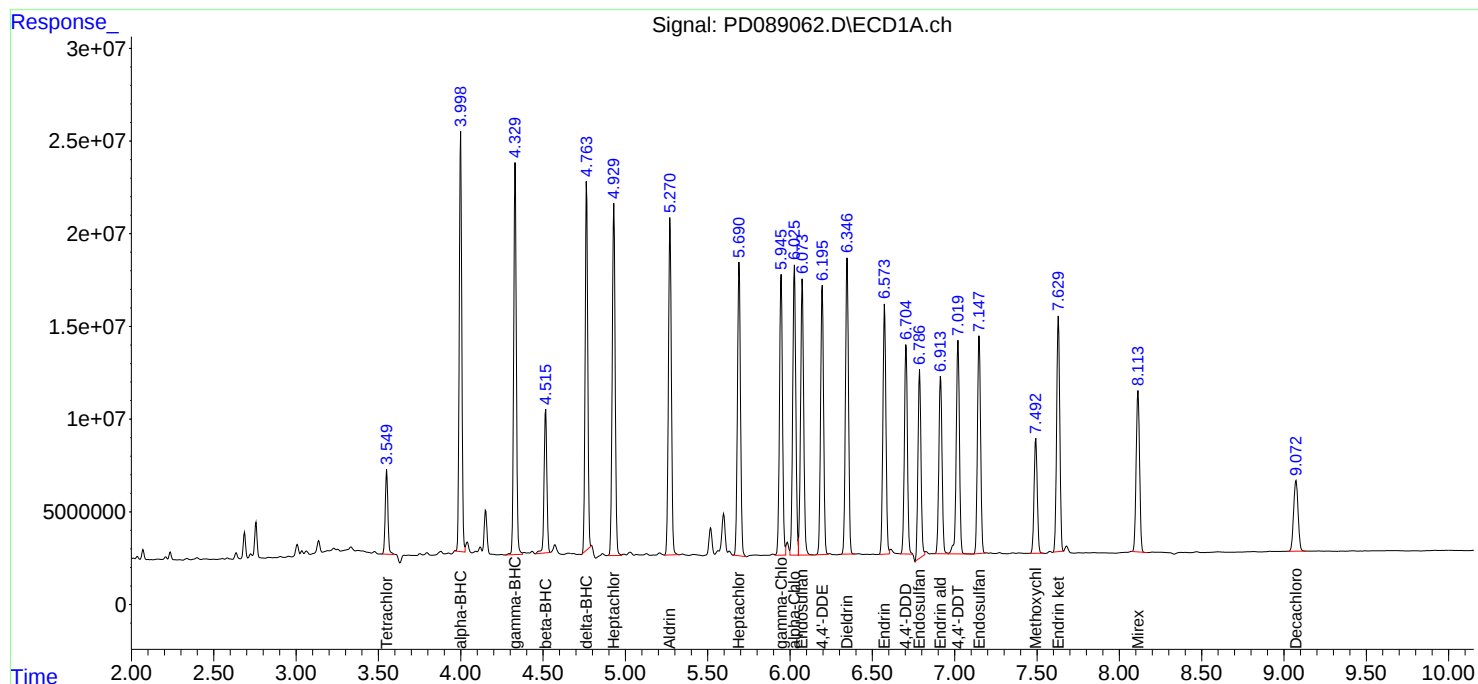
Instrument :
ECD_D
ClientSampleId :
EP-5MSD

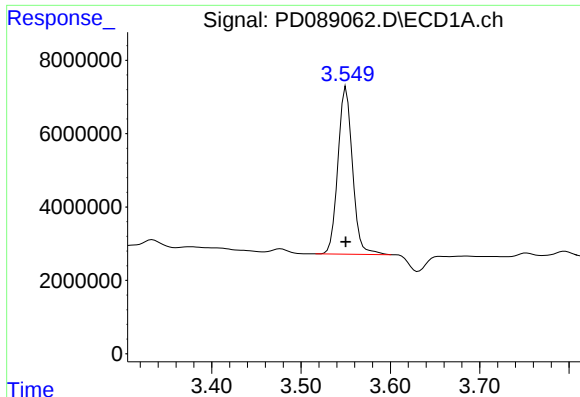
Manual Integrations
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Supervised By :mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 20 23:05:54 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





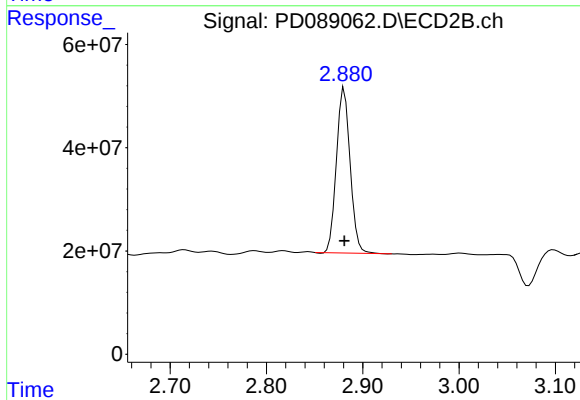
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 51571118
Conc: 18.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

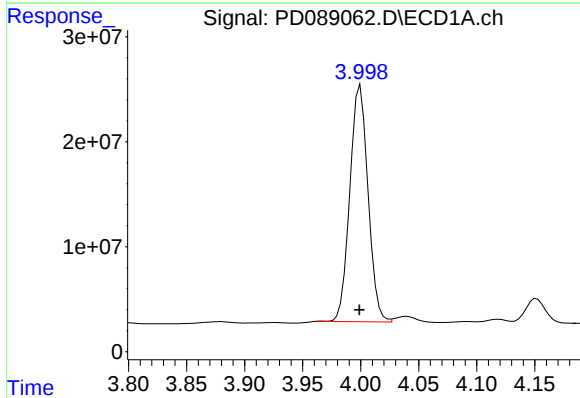
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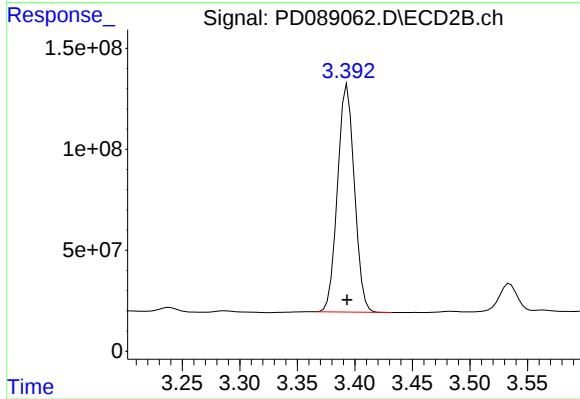
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 316316544
Conc: 18.66 ng/ml



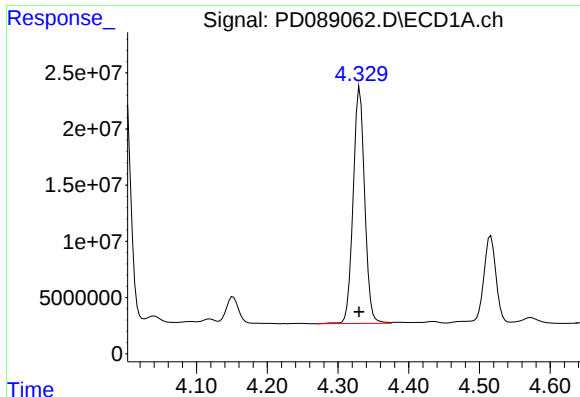
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 245761182
Conc: 42.16 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1149421175
Conc: 42.89 ng/ml



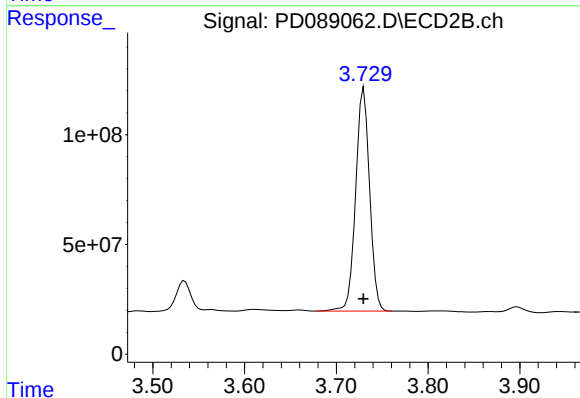
#3 gamma-BHC (Lindane)

R.T.: 4.331 min
Delta R.T.: 0.000 min
Response: 238937778
Conc: 42.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

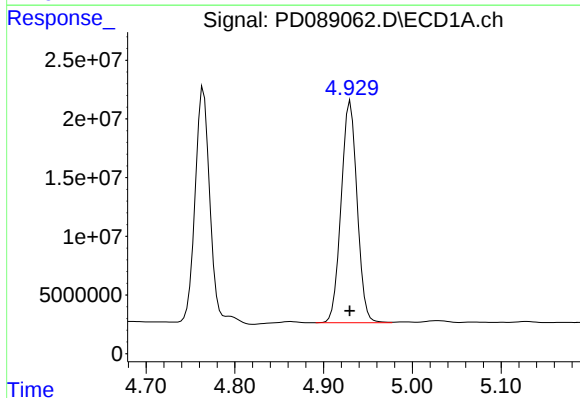
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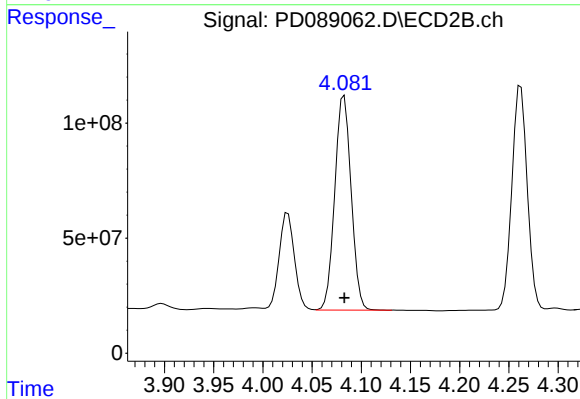
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 1075214443
Conc: 43.43 ng/ml



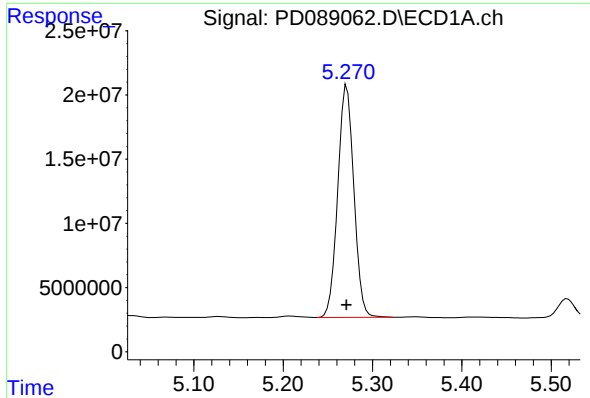
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 235881065
Conc: 43.27 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1078098795
Conc: 43.06 ng/ml



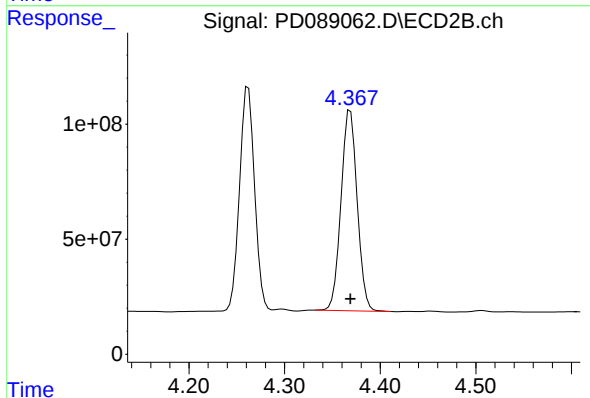
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 226609805
Conc: 42.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

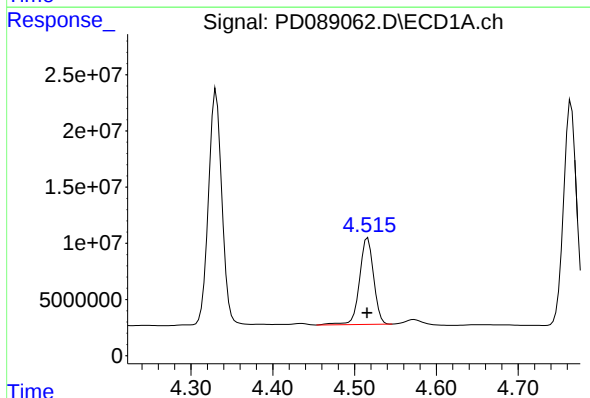
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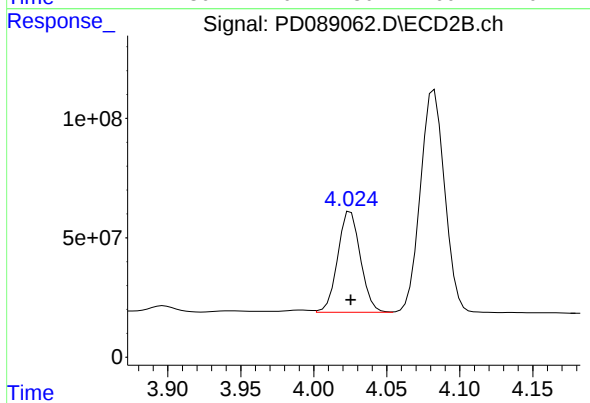
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1026634318
Conc: 42.39 ng/ml



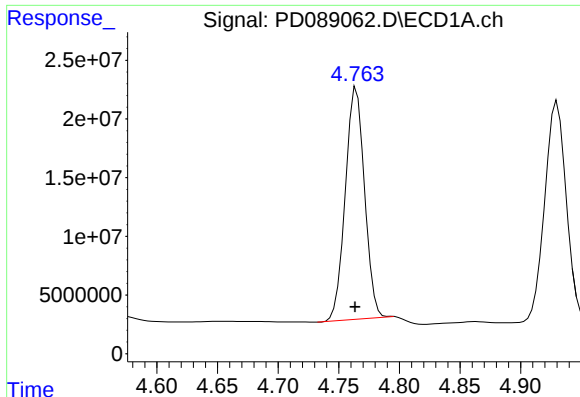
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 92236311
Conc: 41.79 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 456007319
Conc: 42.43 ng/ml



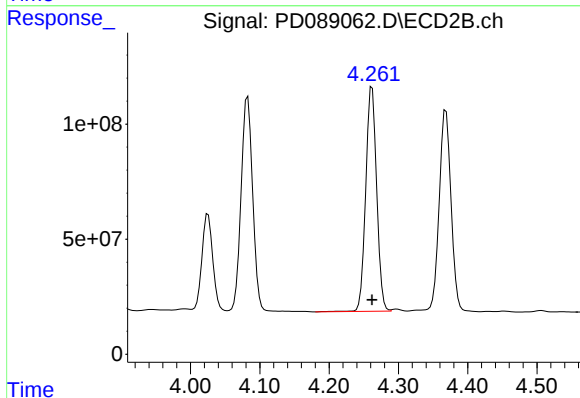
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.001 min
Response: 218412200
Conc: 42.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

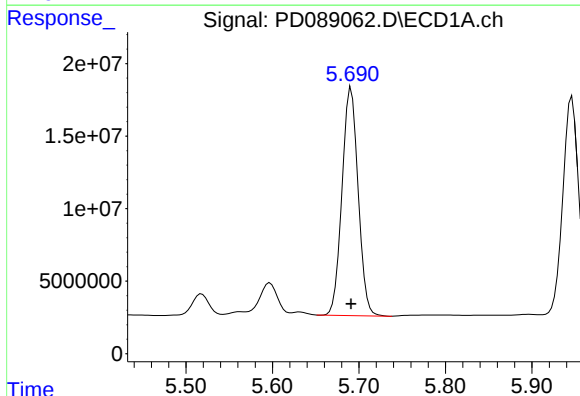
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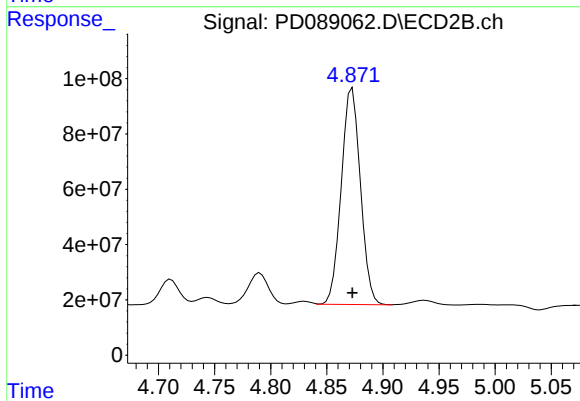
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1070355402
Conc: 43.03 ng/ml



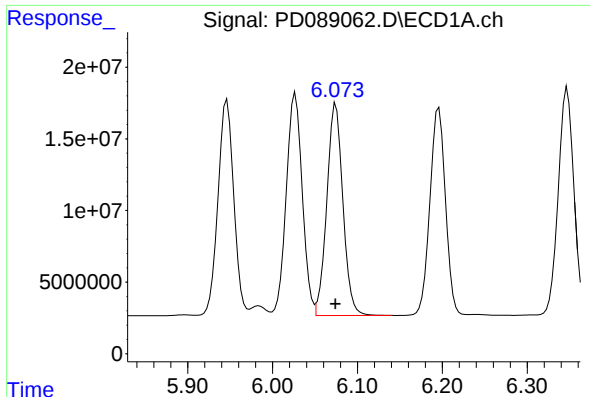
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 202384037
Conc: 41.95 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.001 min
Response: 931338000
Conc: 42.53 ng/ml m



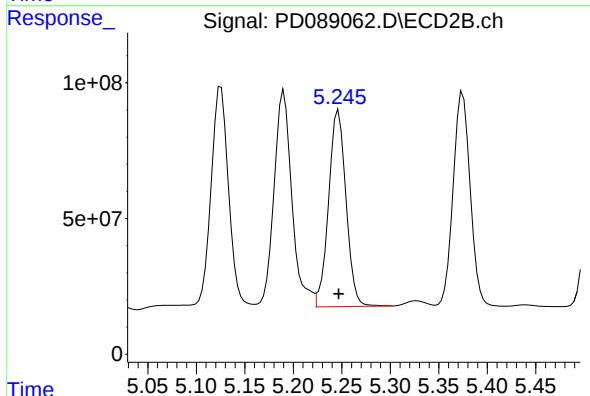
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 194859805
Conc: 43.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

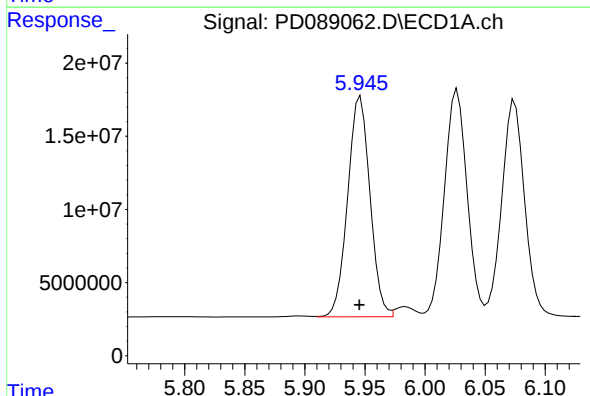
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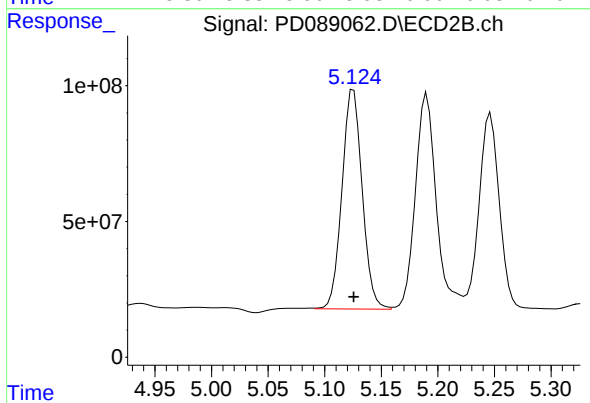
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 905637090
Conc: 43.45 ng/ml



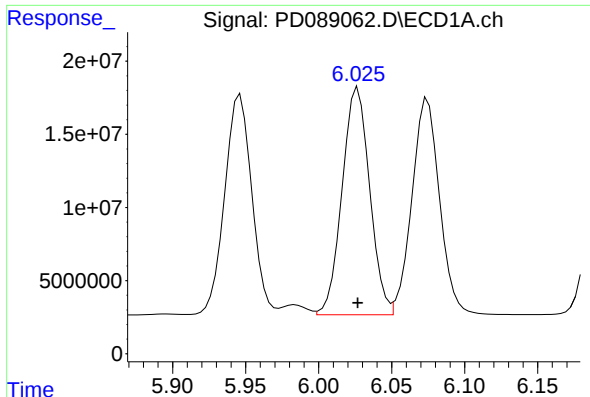
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 194984802
Conc: 40.72 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1005561680
Conc: 42.03 ng/ml m



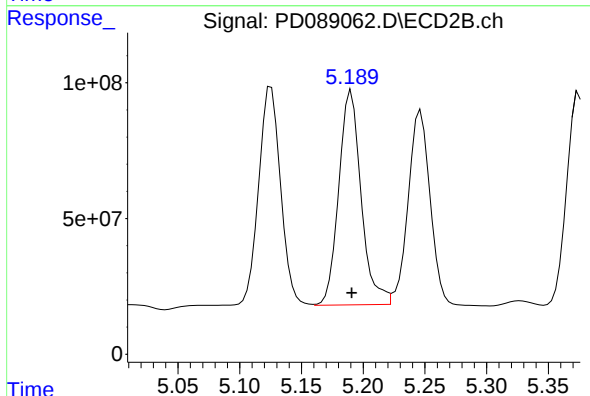
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 204163189
Conc: 42.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

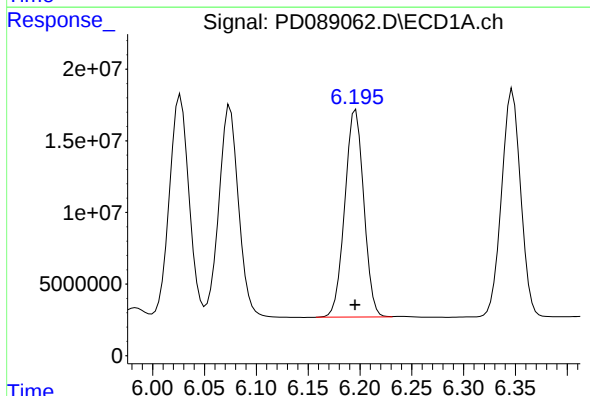
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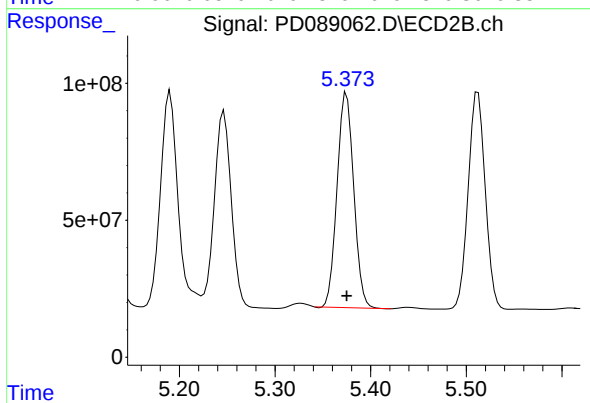
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 993180636
Conc: 43.38 ng/ml m



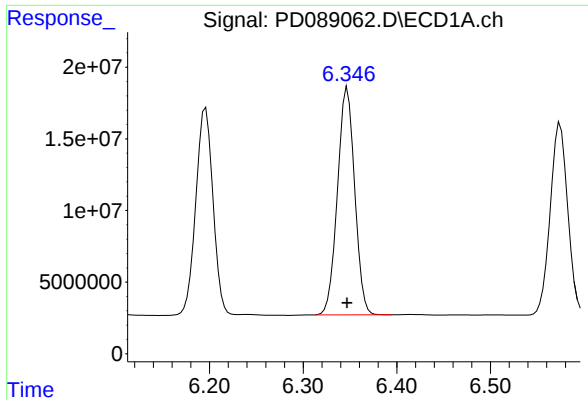
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 184601619
Conc: 42.33 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 949957935
Conc: 41.45 ng/ml



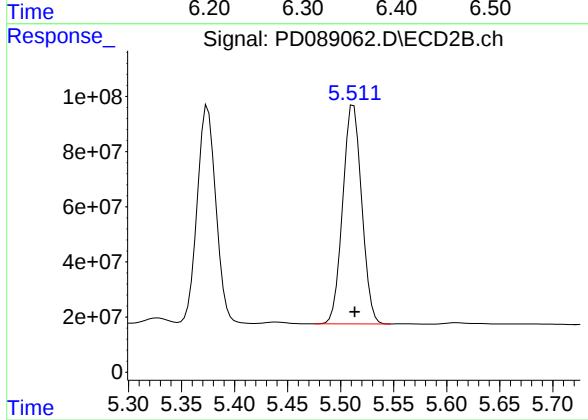
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 202875412
Conc: 42.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

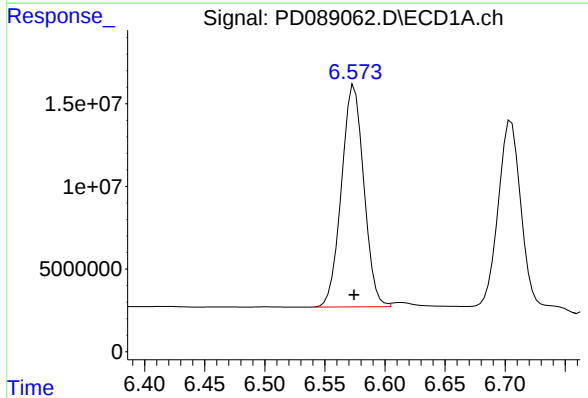
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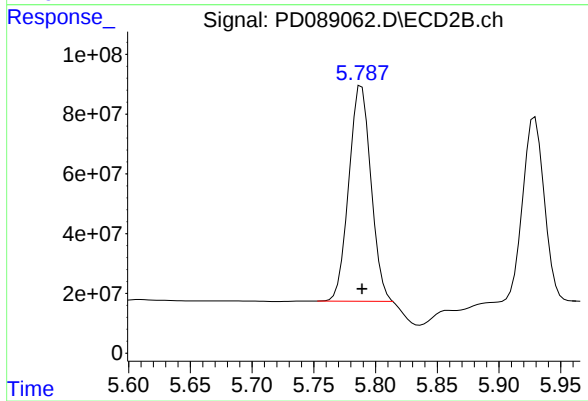
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: 0.000 min
Response: 986100869
Conc: 42.49 ng/ml



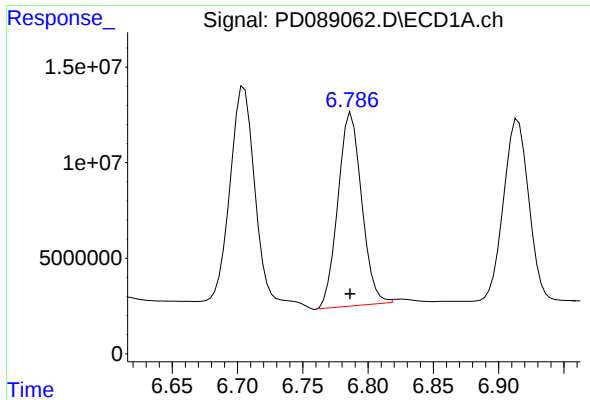
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 173956644
Conc: 42.17 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: -0.002 min
Response: 901823252
Conc: 41.53 ng/ml m



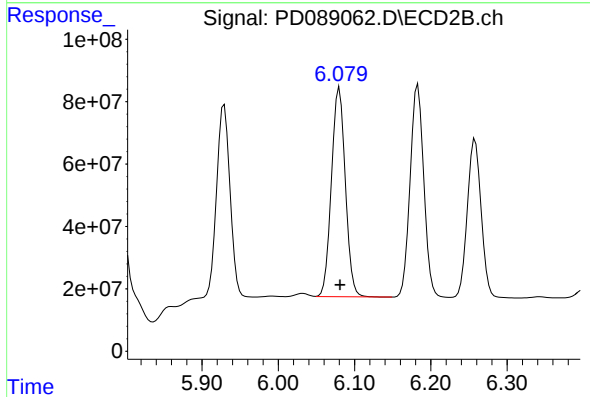
#15 Endosulfan II

R.T.: 6.787 min
Delta R.T.: 0.000 min
Response: 127742493
Conc: 31.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

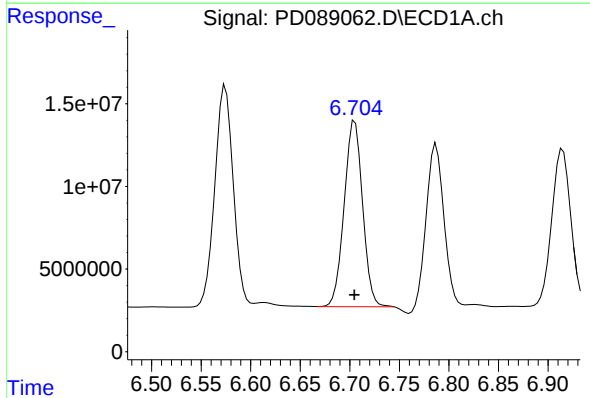
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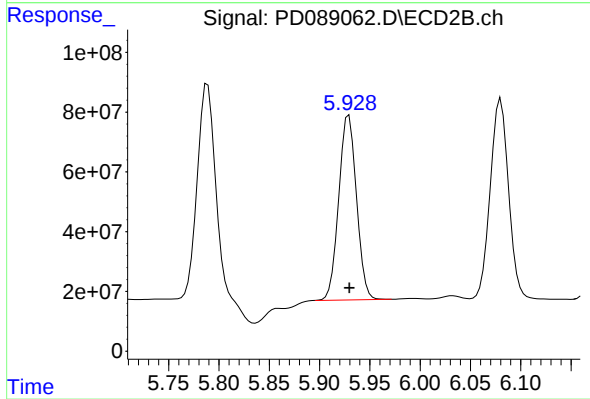
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 847374706
Conc: 41.96 ng/ml



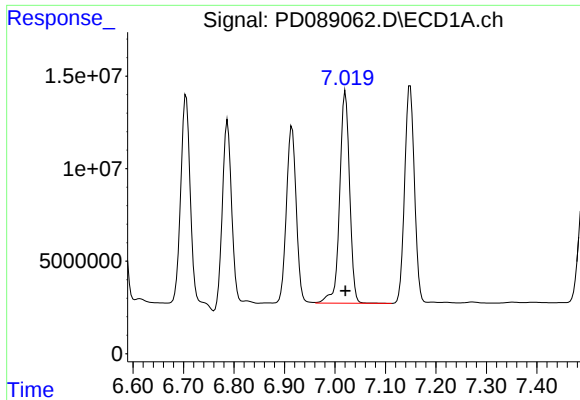
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 145674598
Conc: 42.45 ng/ml m



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 757416511
Conc: 39.59 ng/ml



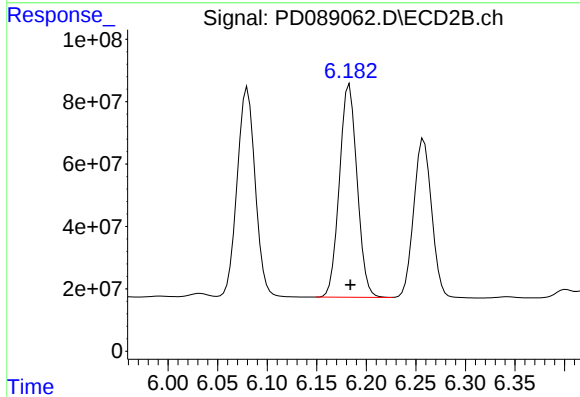
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 157379098
Conc: 41.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
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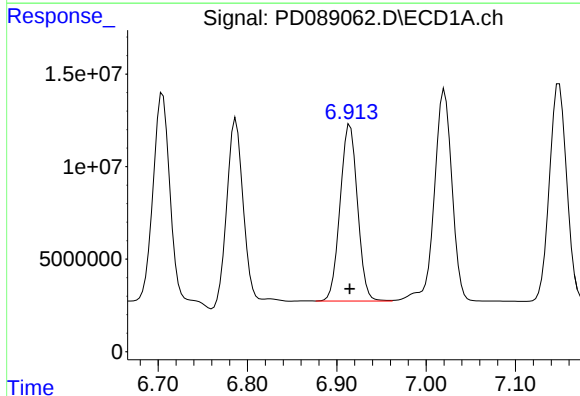
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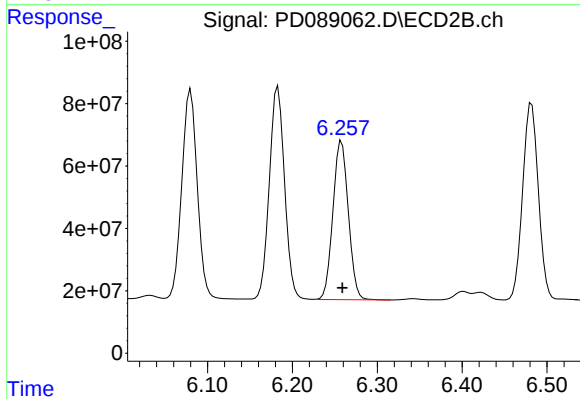
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 848565732
Conc: 41.84 ng/ml



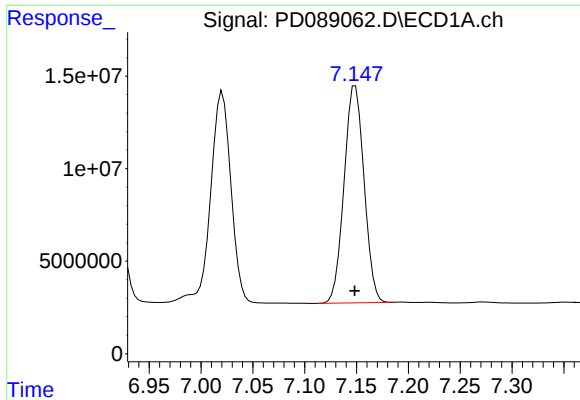
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 129171945
Conc: 42.16 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 643357585
Conc: 42.02 ng/ml



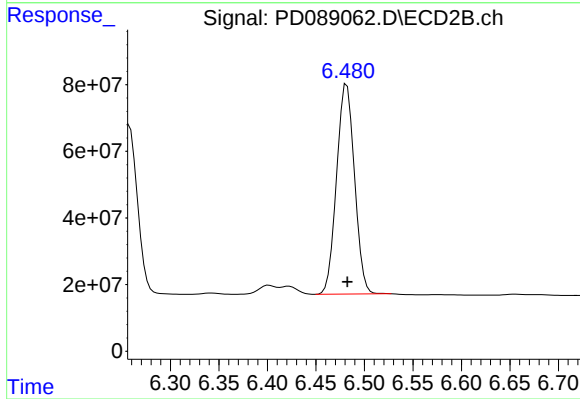
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 157216191
Conc: 40.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

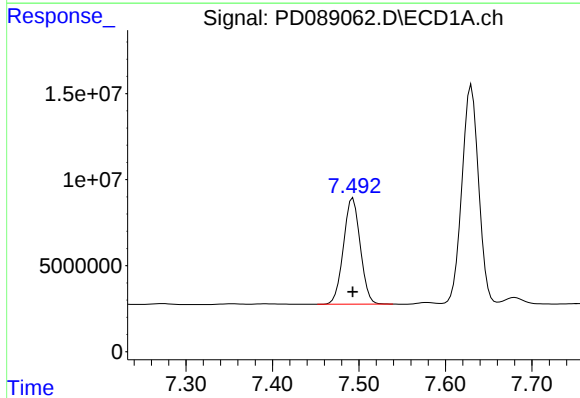
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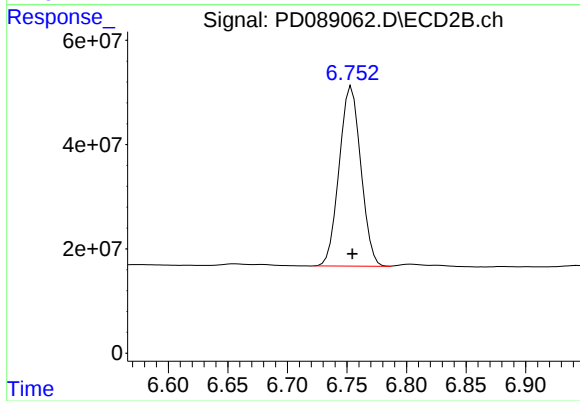
#19 Endosulfan Sulfate

R.T.: 6.482 min
Delta R.T.: 0.000 min
Response: 811111605
Conc: 41.34 ng/ml



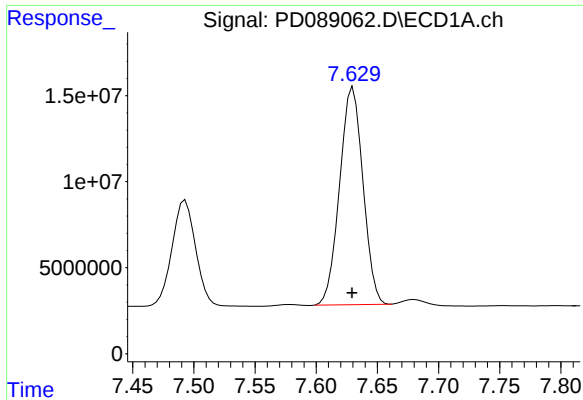
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 82662869
Conc: 40.91 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 435467935
Conc: 40.44 ng/ml



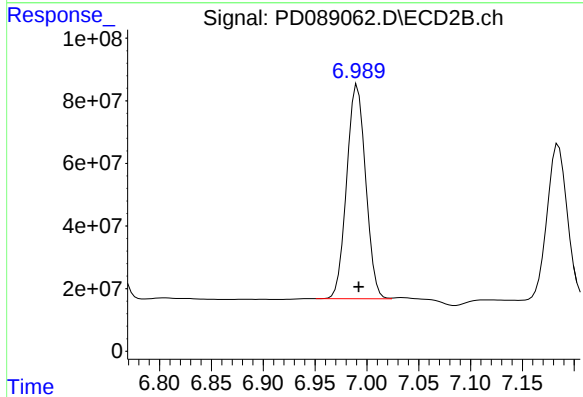
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 167783025
Conc: 41.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

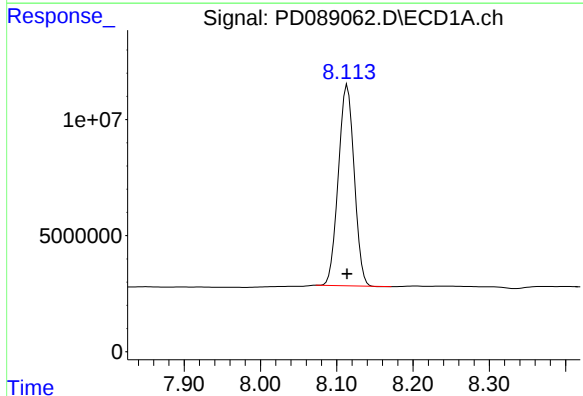
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



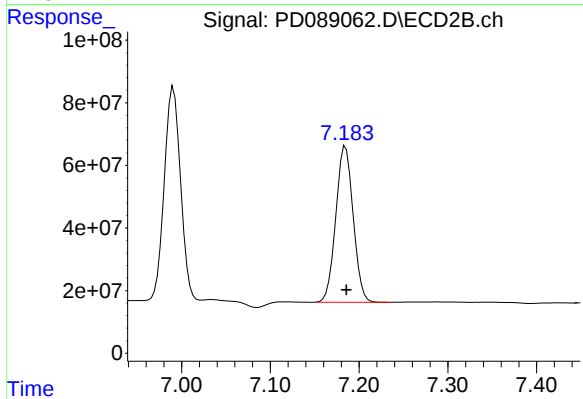
#21 Endrin ketone

R.T.: 6.991 min
Delta R.T.: -0.001 min
Response: 871458246
Conc: 40.34 ng/ml



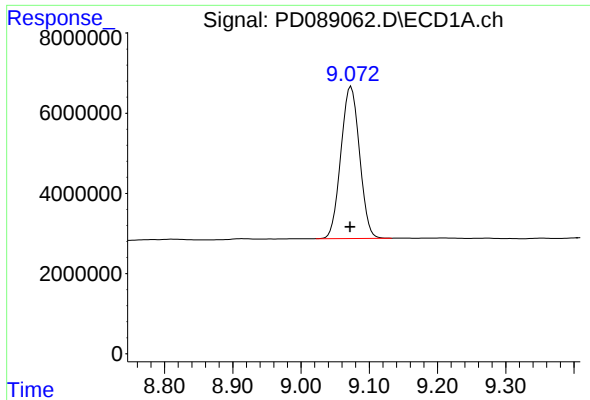
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 124911681
Conc: 41.09 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: -0.001 min
Response: 677810679
Conc: 40.64 ng/ml



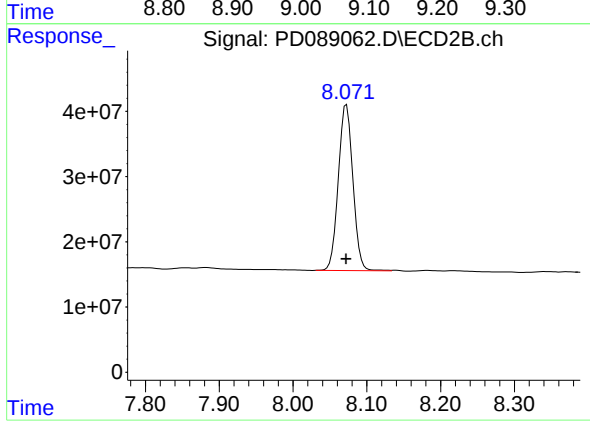
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.002 min
Response: 71940672
Conc: 18.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MSD

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 349386197
Conc: 17.67 ng/ml