

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062125\
 Data File : PD089061.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Jun 2025 19:00
 Operator : AR\AJ
 Sample : Q2367-05MS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 EP-5MS

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 23:05:36 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	50567373	316.8E6	17.723	18.686
28)	SA Decachlor...	9.073	8.072	71245388	348.0E6	18.140	17.605
Target Compounds							
2)	A alpha-BHC	3.999	3.393	245.5E6	1145.6E6	42.112	42.749
3)	MA gamma-BHC...	4.330	3.730	236.2E6	1072.6E6	42.311	43.326
4)	MA Heptachlor	4.930	4.083	233.0E6	1064.2E6	42.746	42.504
5)	MB Aldrin	5.271	4.369	222.9E6	1025.4E6	41.950	42.343
6)	B beta-BHC	4.515	4.025	90924096	455.5E6	41.195	42.383
7)	B delta-BHC	4.764	4.262	221.3E6	1062.3E6	43.123	42.709
8)	B Heptachlo...	5.691	4.873	200.6E6	910.1E6	41.575	41.561
9)	A Endosulfan I	6.074	5.247	190.2E6	901.3E6	42.191	43.243
10)	B gamma-Chl...	5.945	5.124	194.2E6	994.4E6	40.558	41.566m
11)	B alpha-Chl...	6.027	5.190	202.6E6	1004.6E6	41.866	43.877
12)	B 4,4'-DDE	6.196	5.375	181.1E6	957.7E6	41.529	41.793
13)	MA Dieldrin	6.347	5.513	200.7E6	980.4E6	41.837	42.245
14)	MA Endrin	6.575	5.788	172.7E6	902.1E6	41.860	41.545m
15)	B Endosulfa...	6.788	6.081	130.4E6	835.8E6	32.316	41.383 #
16)	A 4,4'-DDD	6.704	5.930	145.0E6	750.6E6	42.239m	39.236
17)	MA 4,4'-DDT	7.021	6.184	157.7E6	837.5E6	41.625	41.298
18)	B Endrin al...	6.915	6.259	127.8E6	629.7E6	41.725	41.129
19)	B Endosulfa...	7.150	6.483	155.5E6	801.2E6	40.524	40.835
20)	A Methoxychlor	7.493	6.754	82225421	431.2E6	40.693	40.048
21)	B Endrin ke...	7.630	6.992	166.5E6	857.1E6	40.882	39.678
22)	Mirex	8.114	7.185	124.6E6	670.3E6	40.996	40.191

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD062125\
Data File : PD089061.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 20 Jun 2025 19:00
Operator : AR\AJ
Sample : Q2367-05MS
Misc :
ALS Vial : 19 Sample Multiplier: 1

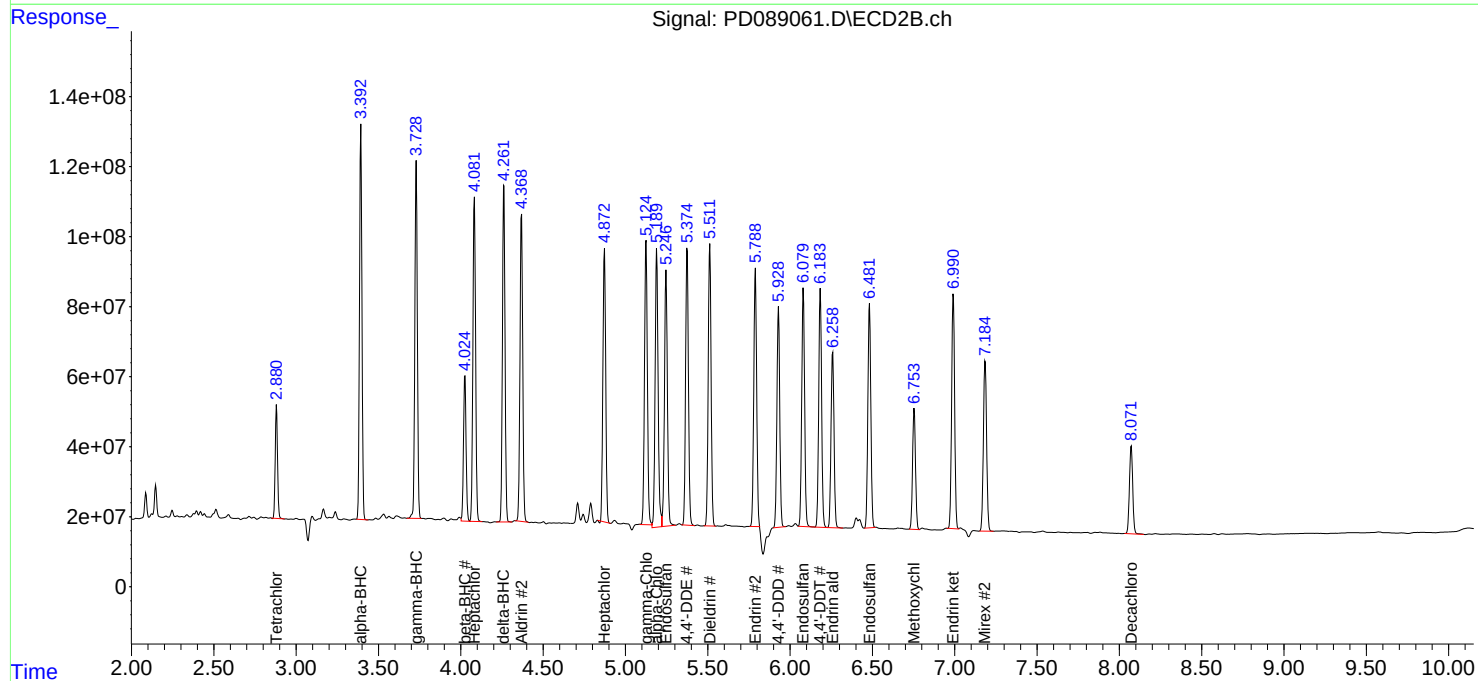
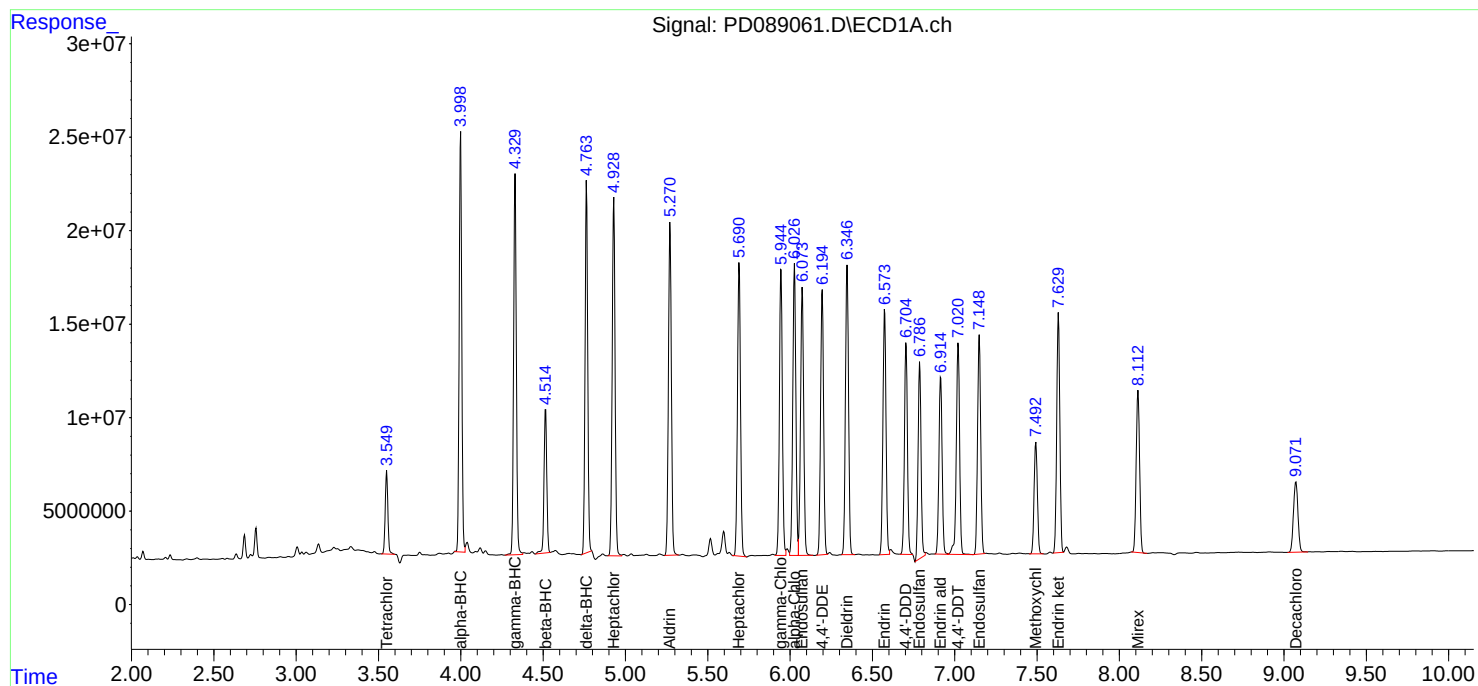
Instrument :
ECD_D
ClientSampleId :
EP-5MS

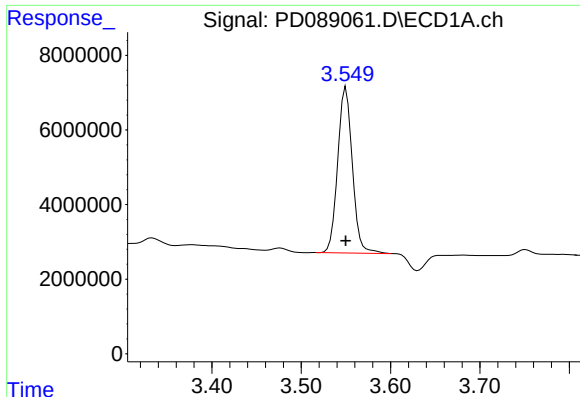
Manual Integrations
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Supervised By :mohammad ahmed 06/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 20 23:05:36 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





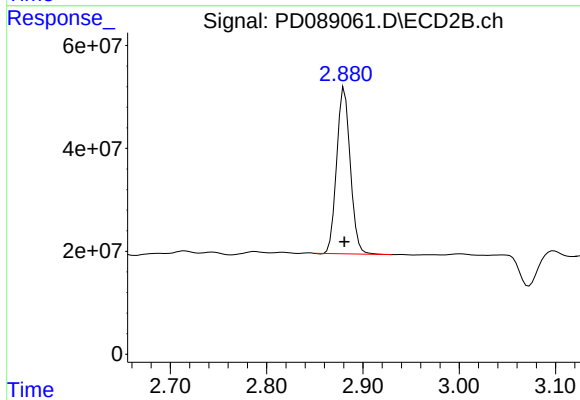
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50567373
Conc: 17.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

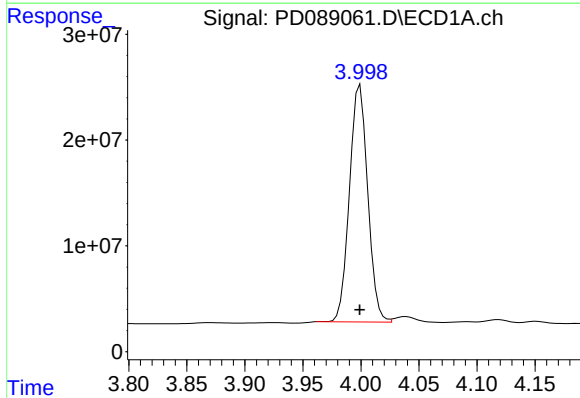
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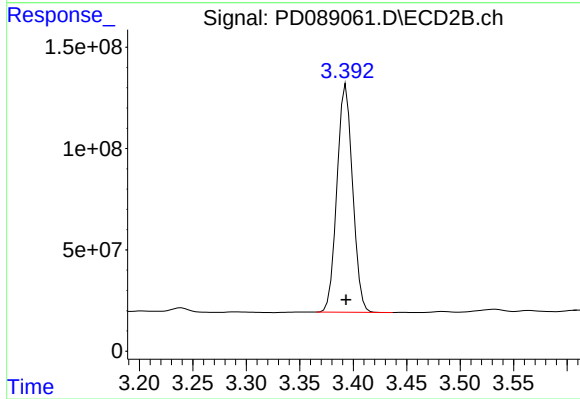
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 316779366
Conc: 18.69 ng/ml



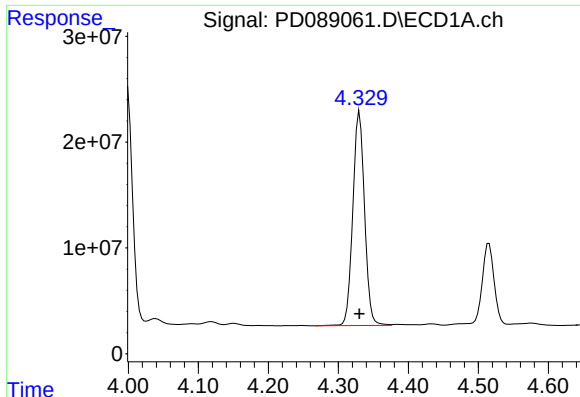
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 245471311
Conc: 42.11 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1145558377
Conc: 42.75 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 236169189
Conc: 42.31 ng/ml

Instrument :

ECD_D

ClientSampleId :

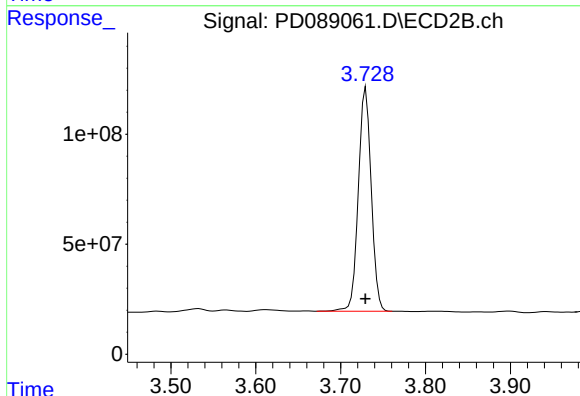
EP-5MS

Manual Integrations

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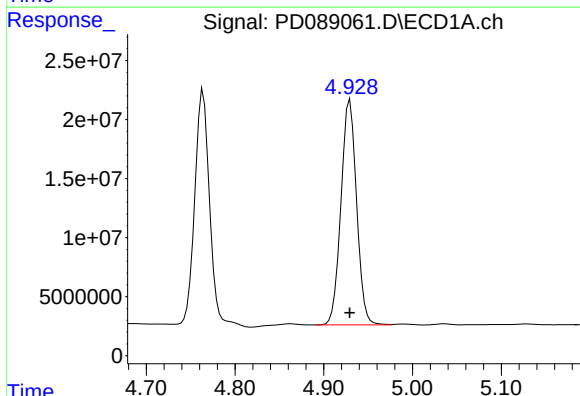
Reviewed By :Abdul Mirza 06/23/2025

Supervised By :mohammad ahmed 06/24/2025



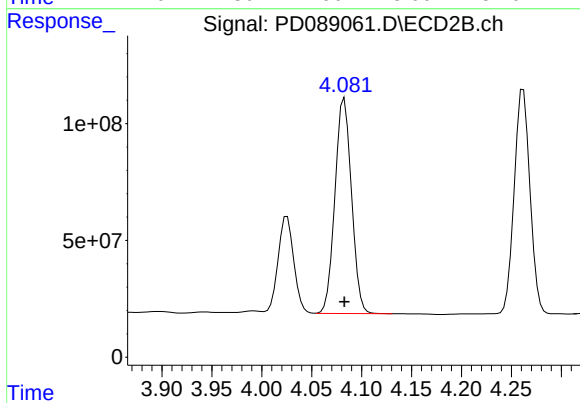
#3 gamma-BHC (Lindane)

R.T.: 3.730 min
Delta R.T.: 0.000 min
Response: 1072605868
Conc: 43.33 ng/ml



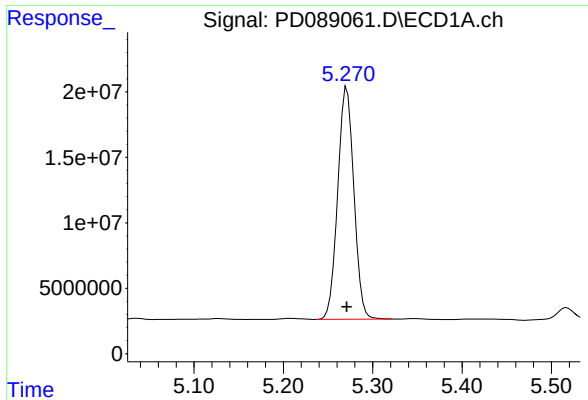
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.000 min
Response: 233048283
Conc: 42.75 ng/ml



#4 Heptachlor

R.T.: 4.083 min
Delta R.T.: 0.000 min
Response: 1064232984
Conc: 42.50 ng/ml



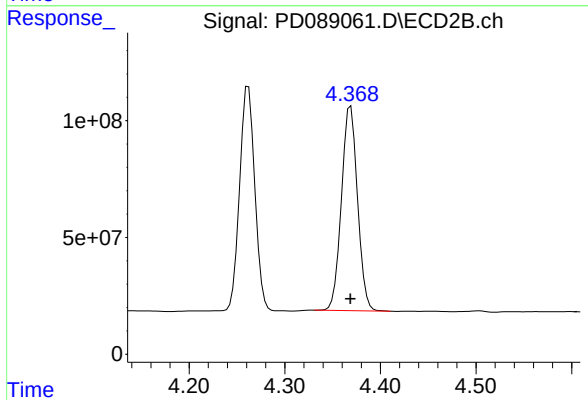
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 222877788
Conc: 41.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

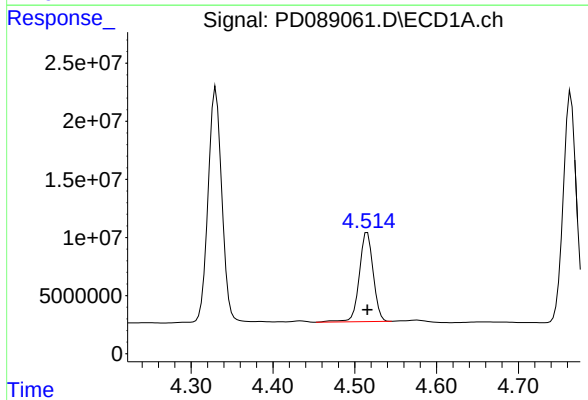
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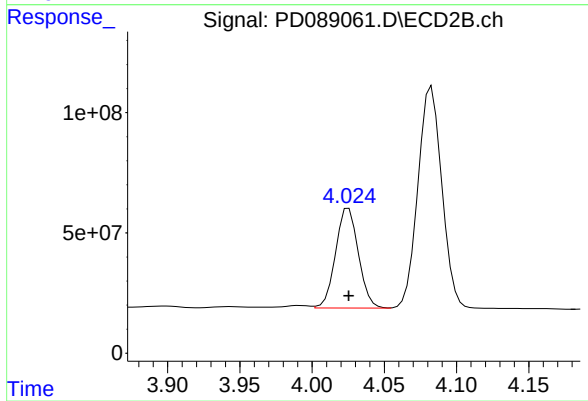
#5 Aldrin

R.T.: 4.369 min
Delta R.T.: 0.000 min
Response: 1025435376
Conc: 42.34 ng/ml



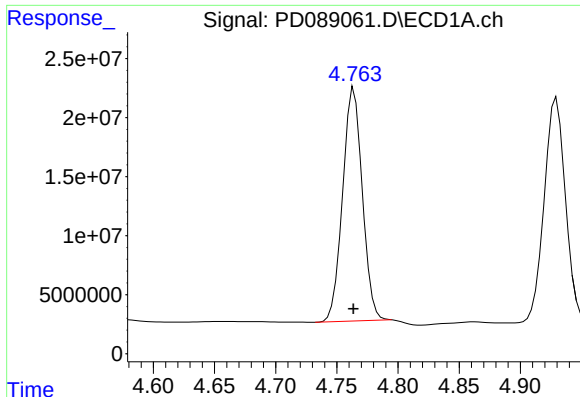
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 90924096
Conc: 41.20 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 455463269
Conc: 42.38 ng/ml



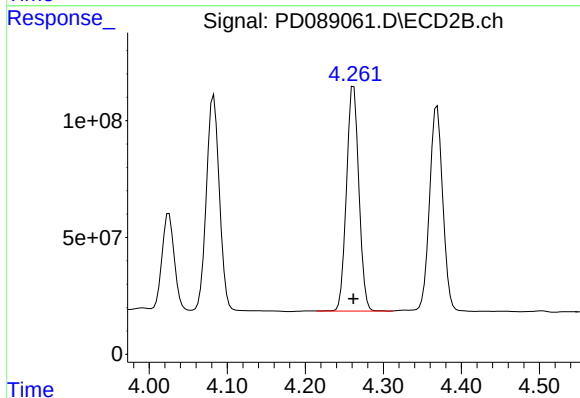
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 221346670
Conc: 43.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

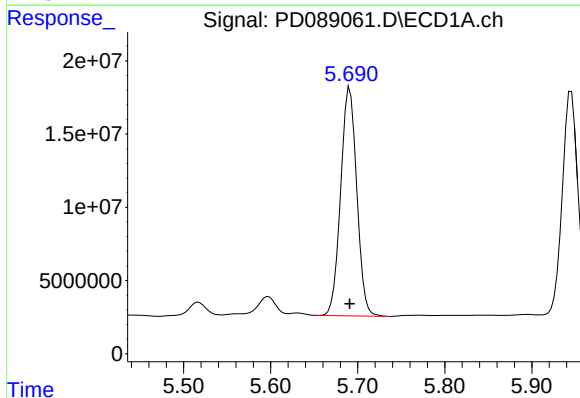
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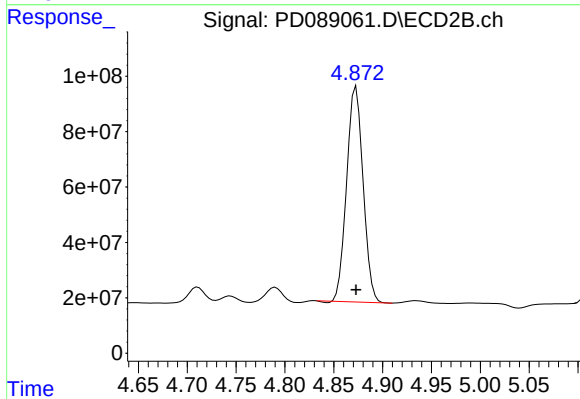
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1062320643
Conc: 42.71 ng/ml



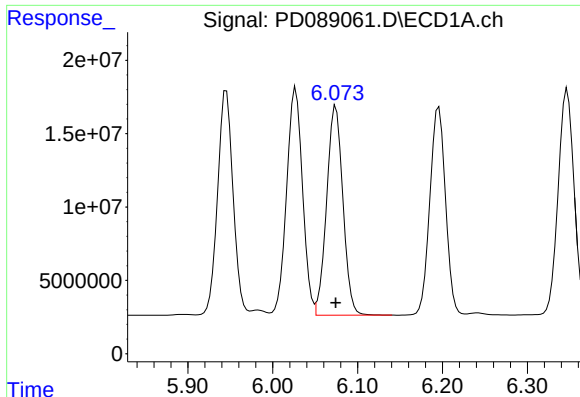
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 200556282
Conc: 41.58 ng/ml



#8 Heptachlor epoxide

R.T.: 4.873 min
Delta R.T.: 0.000 min
Response: 910107718
Conc: 41.56 ng/ml



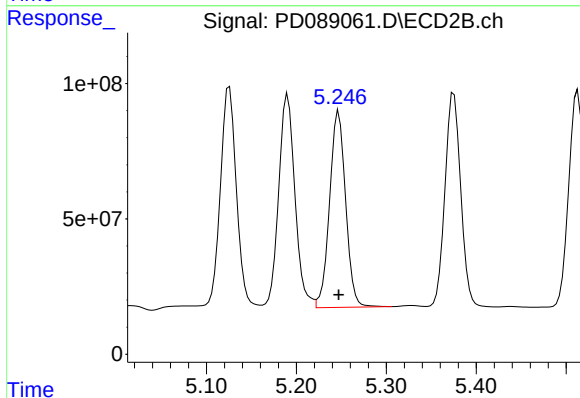
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 190175038
Conc: 42.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

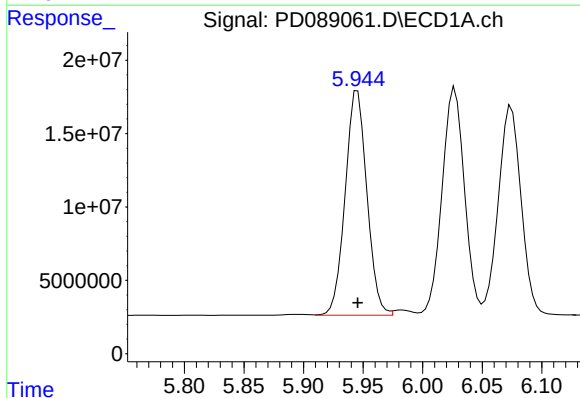
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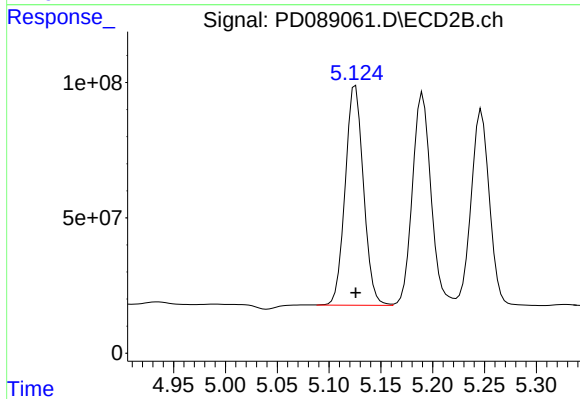
#9 Endosulfan I

R.T.: 5.247 min
Delta R.T.: 0.000 min
Response: 901295086
Conc: 43.24 ng/ml



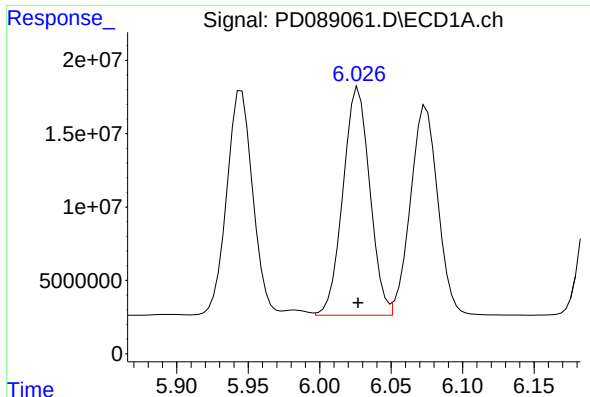
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 194194165
Conc: 40.56 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 994366045
Conc: 41.57 ng/ml m



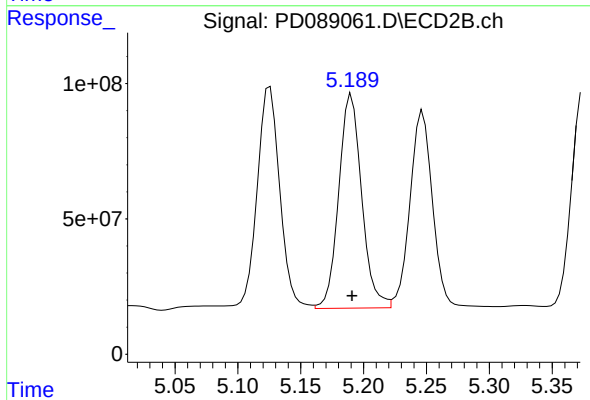
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 202569821
Conc: 41.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

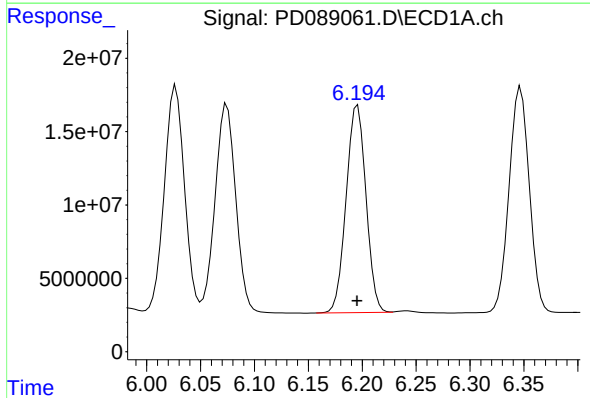
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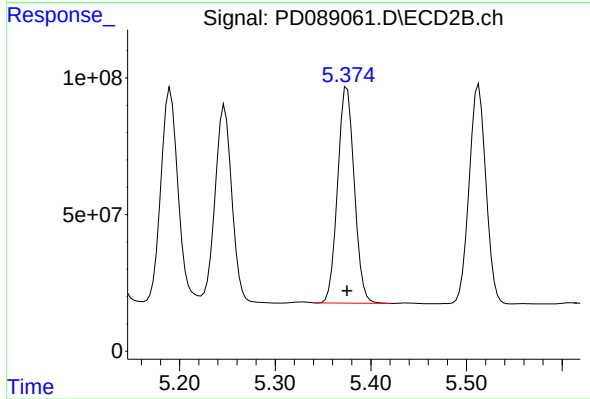
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1004638781
Conc: 43.88 ng/ml



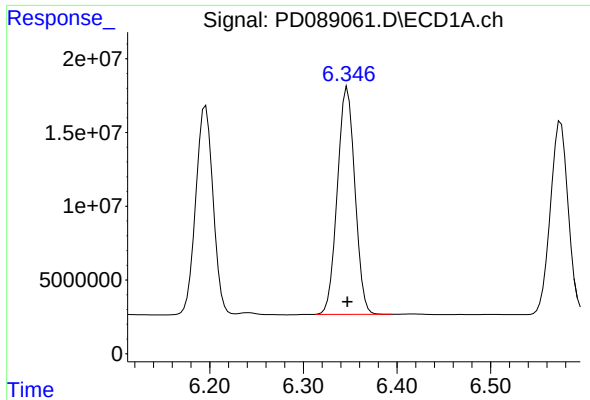
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 181108012
Conc: 41.53 ng/ml



#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.000 min
Response: 957742145
Conc: 41.79 ng/ml



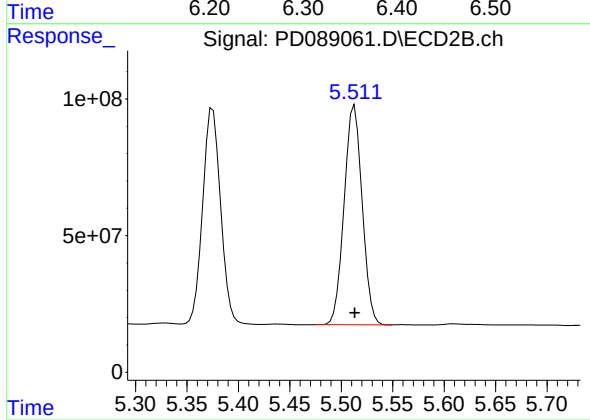
#13 Dieldrin

R.T.: 6.347 min
Delta R.T.: 0.000 min
Response: 200710730
Conc: 41.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

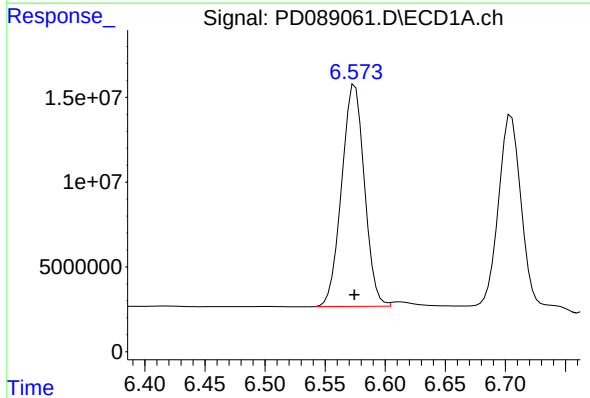
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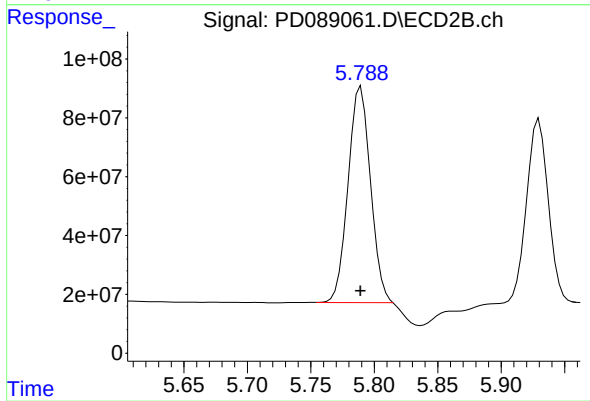
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 980447146
Conc: 42.25 ng/ml



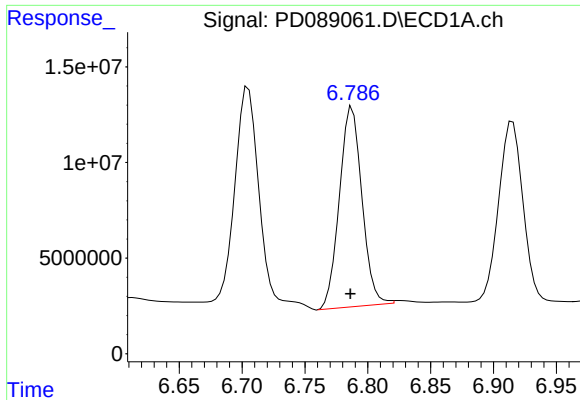
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 172695647
Conc: 41.86 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 902111814
Conc: 41.55 ng/ml m



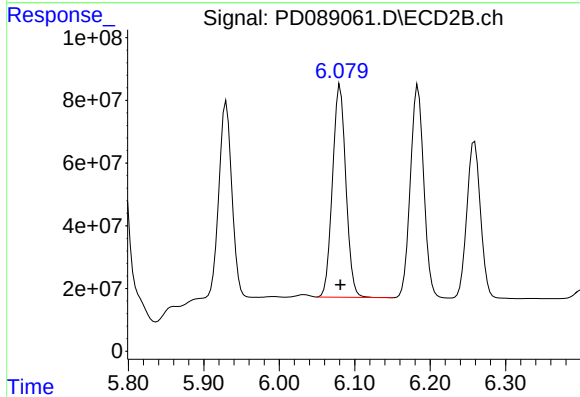
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.001 min
Response: 130448259
Conc: 32.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

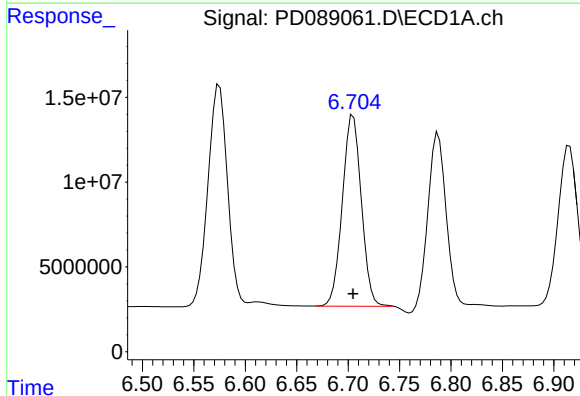
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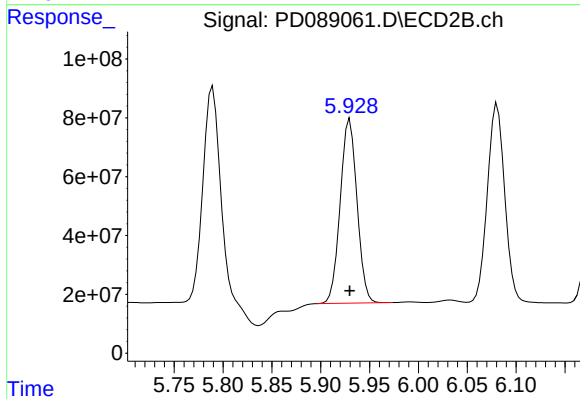
#15 Endosulfan II

R.T.: 6.081 min
Delta R.T.: 0.000 min
Response: 835790202
Conc: 41.38 ng/ml



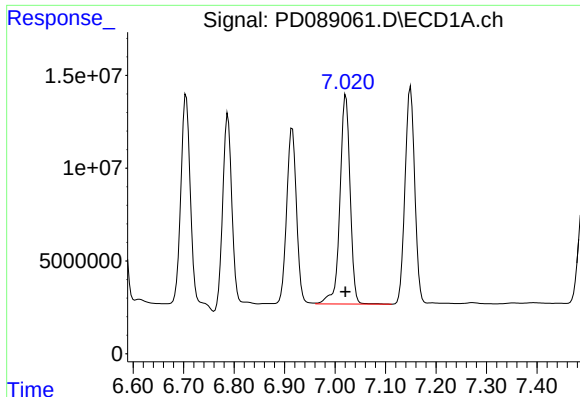
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: -0.001 min
Response: 144965884
Conc: 42.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.930 min
Delta R.T.: 0.000 min
Response: 750563208
Conc: 39.24 ng/ml



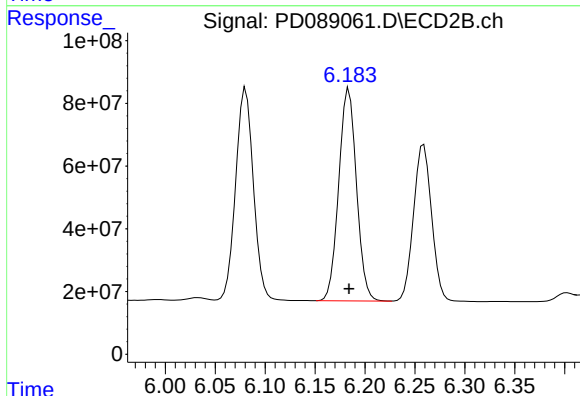
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 157685216
Conc: 41.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

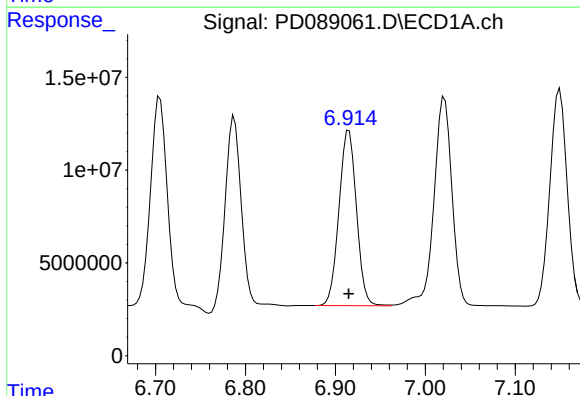
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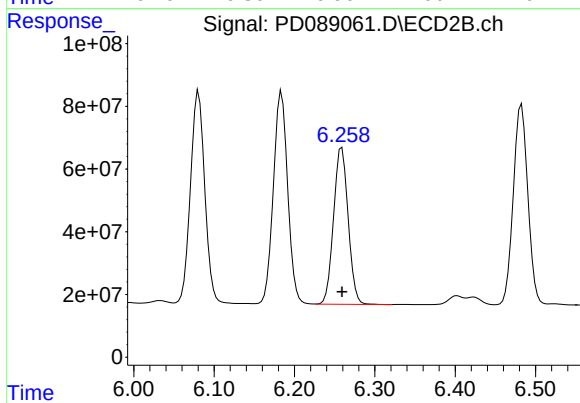
#17 4,4'-DDT

R.T.: 6.184 min
Delta R.T.: 0.000 min
Response: 837498929
Conc: 41.30 ng/ml



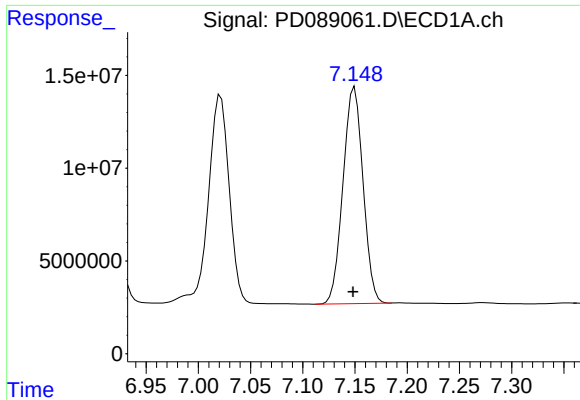
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 127841442
Conc: 41.72 ng/ml



#18 Endrin aldehyde

R.T.: 6.259 min
Delta R.T.: 0.000 min
Response: 629744161
Conc: 41.13 ng/ml



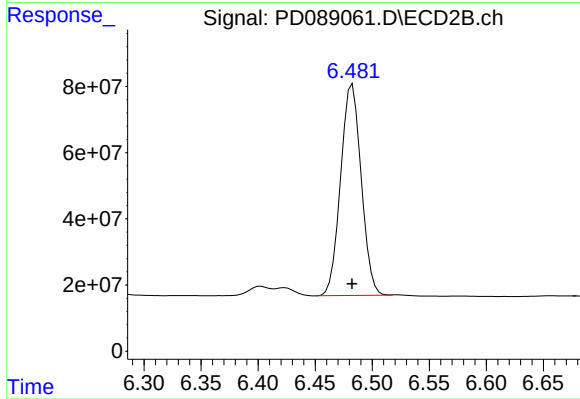
#19 Endosulfan Sulfate

R.T.: 7.150 min
Delta R.T.: 0.001 min
Response: 155497858
Conc: 40.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

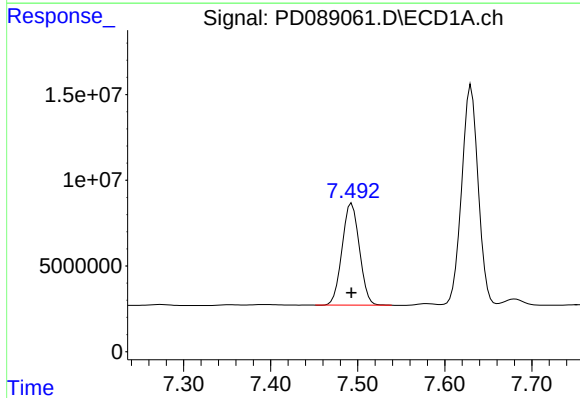
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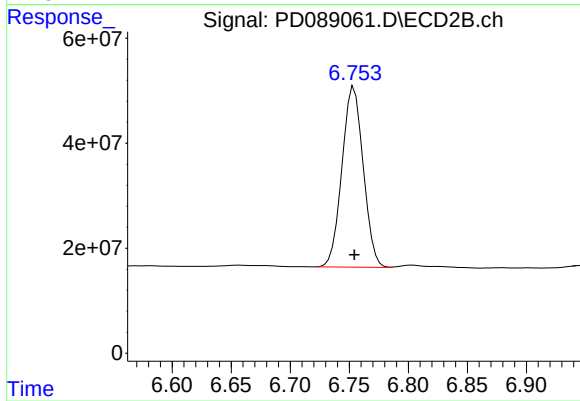
#19 Endosulfan Sulfate

R.T.: 6.483 min
Delta R.T.: 0.000 min
Response: 801222703
Conc: 40.83 ng/ml



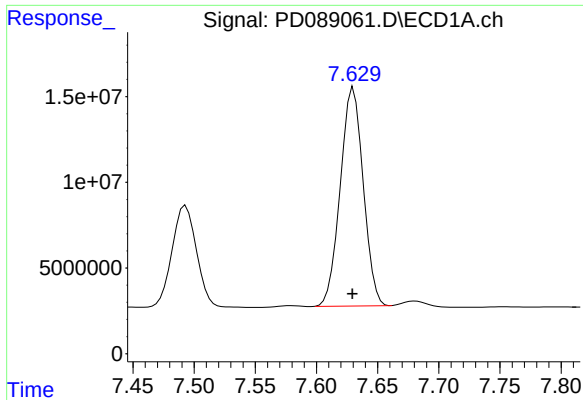
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 82225421
Conc: 40.69 ng/ml



#20 Methoxychlor

R.T.: 6.754 min
Delta R.T.: 0.000 min
Response: 431235944
Conc: 40.05 ng/ml



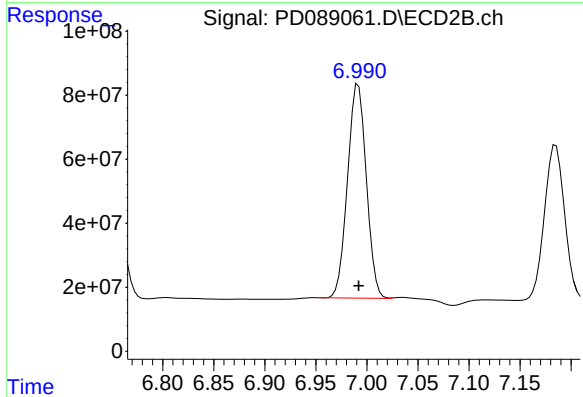
#21 Endrin ketone

R.T.: 7.630 min
Delta R.T.: 0.000 min
Response: 166515149
Conc: 40.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

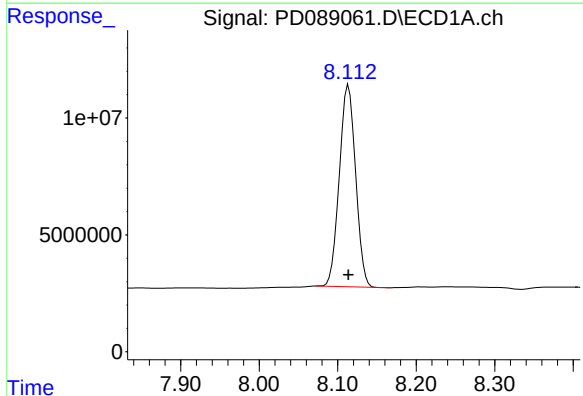
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Reviewed By :Abdul Mirza 06/23/2025
Supervised By :mohammad ahmed 06/24/2025



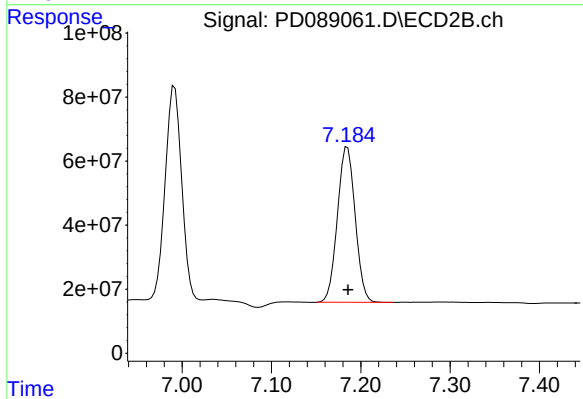
#21 Endrin ketone

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 857105936
Conc: 39.68 ng/ml



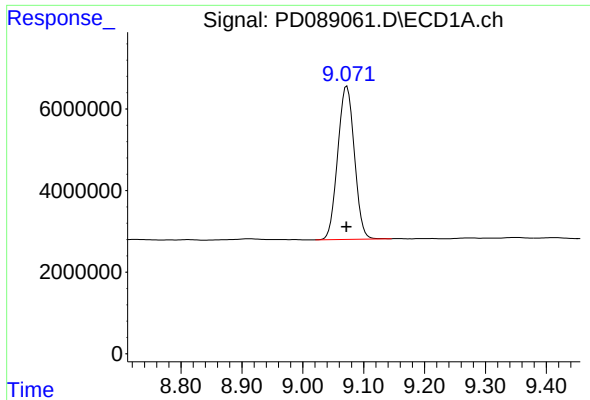
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 124632992
Conc: 41.00 ng/ml



#22 Mirex

R.T.: 7.185 min
Delta R.T.: 0.000 min
Response: 670312695
Conc: 40.19 ng/ml



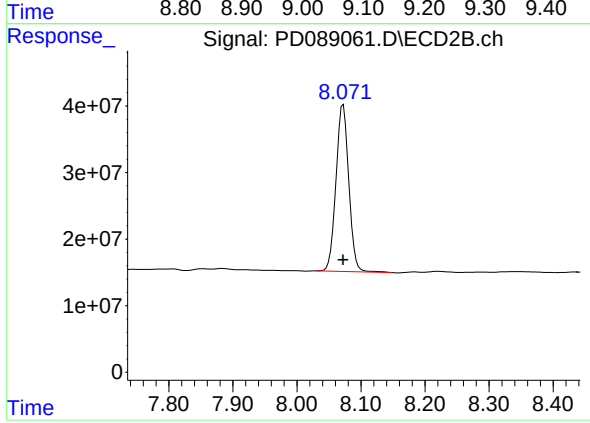
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.000 min
Response: 71245388
Conc: 18.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
EP-5MS

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/24/2025



#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 348049593
Conc: 17.60 ng/ml