

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
 Data File : PD089334.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 03 Jul 2025 15:07
 Operator : AR\AJ
 Sample : PB168725BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB168725BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/07/2025
 Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 04 02:18:42 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	2.880	50161670	326.7E6	17.581	19.268m
28)	SA Decachlor...	9.075	8.072	72177341	374.4E6	18.377	18.939
Target Compounds							
2)	A alpha-BHC	3.999	3.393	318.1E6	1490.7E6	54.566	55.628
3)	MA gamma-BHC...	4.330	3.729	302.0E6	1345.1E6	54.105	54.330
4)	MA Heptachlor	4.929	4.082	284.8E6	1307.2E6	52.232	52.209
5)	MB Aldrin	5.271	4.368	291.7E6	1334.1E6	54.896	55.091
6)	B beta-BHC	4.516	4.025	113.6E6	577.3E6	51.462	53.719
7)	B delta-BHC	4.764	4.262	293.0E6	1362.4E6	57.077	54.772
8)	B Heptachlo...	5.691	4.872	258.9E6	1205.4E6	53.675	55.046
9)	A Endosulfan I	6.074	5.246	244.8E6	1135.2E6	54.299	54.465
10)	B gamma-Chl...	5.946	5.125	265.3E6	1296.6E6	55.415	54.199
11)	B alpha-Chl...	6.027	5.190	261.8E6	1234.3E6	54.097	53.909
12)	B 4,4'-DDE	6.196	5.374	237.2E6	1240.3E6	54.390	54.124
13)	MA Dieldrin	6.348	5.513	263.4E6	1264.0E6	54.895	54.464
14)	MA Endrin	6.575	5.788	198.7E6	1041.1E6	48.172	47.944
15)	B Endosulfa...	6.786	6.080	223.3E6	1094.1E6	55.326	54.174
16)	A 4,4'-DDD	6.706	5.929	196.9E6	1054.8E6	57.376	55.141
17)	MA 4,4'-DDT	7.021	6.183	171.1E6	953.7E6	45.158	47.030
18)	B Endrin al...	6.915	6.258	168.3E6	832.8E6	54.942	54.390
19)	B Endosulfa...	7.149	6.481	207.4E6	1058.4E6	54.062	53.943
20)	A Methoxychlor	7.493	6.753	84672505	476.0E6	41.904	44.202
21)	B Endrin ke...	7.631	6.990	222.6E6	1190.7E6	54.662	55.120
22)	Mirex	8.114	7.184	134.7E6	745.5E6	44.323	44.700

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070425\
Data File : PD089334.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 03 Jul 2025 15:07
Operator : AR\AJ
Sample : PB168725BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

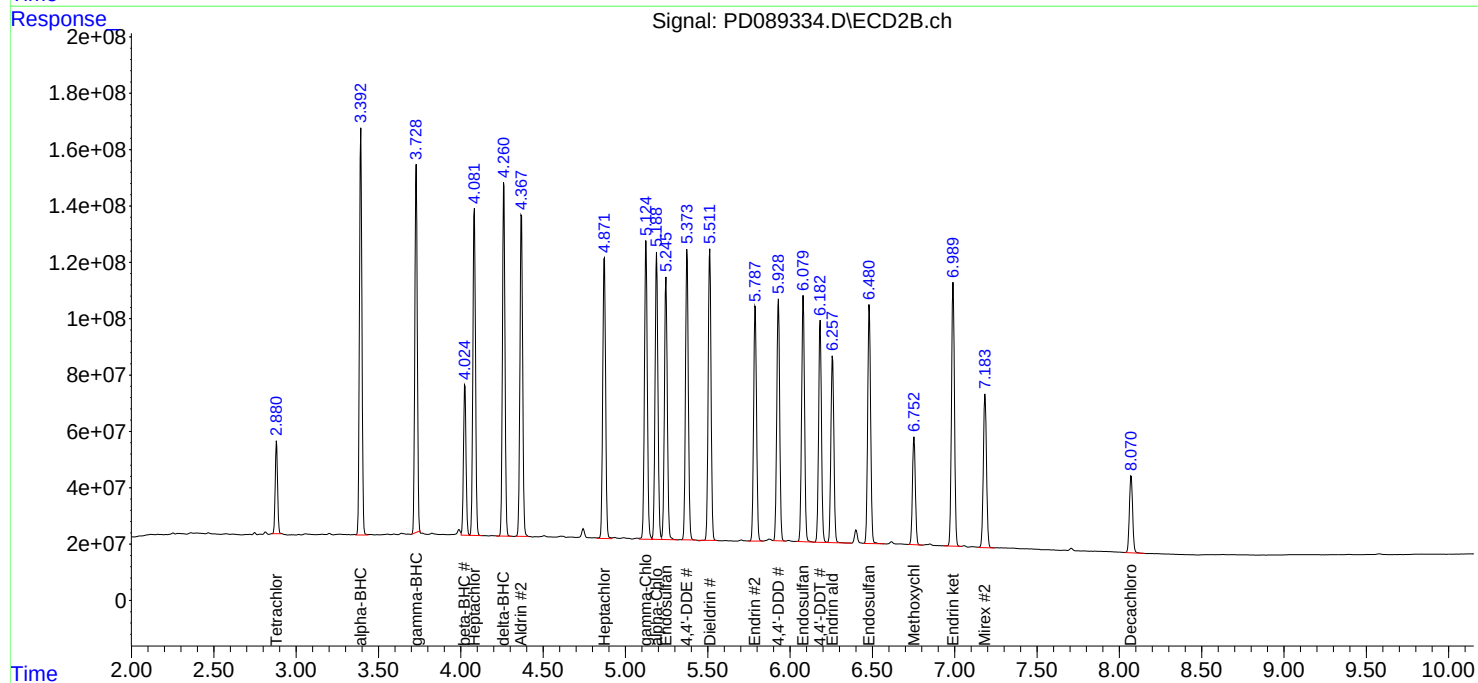
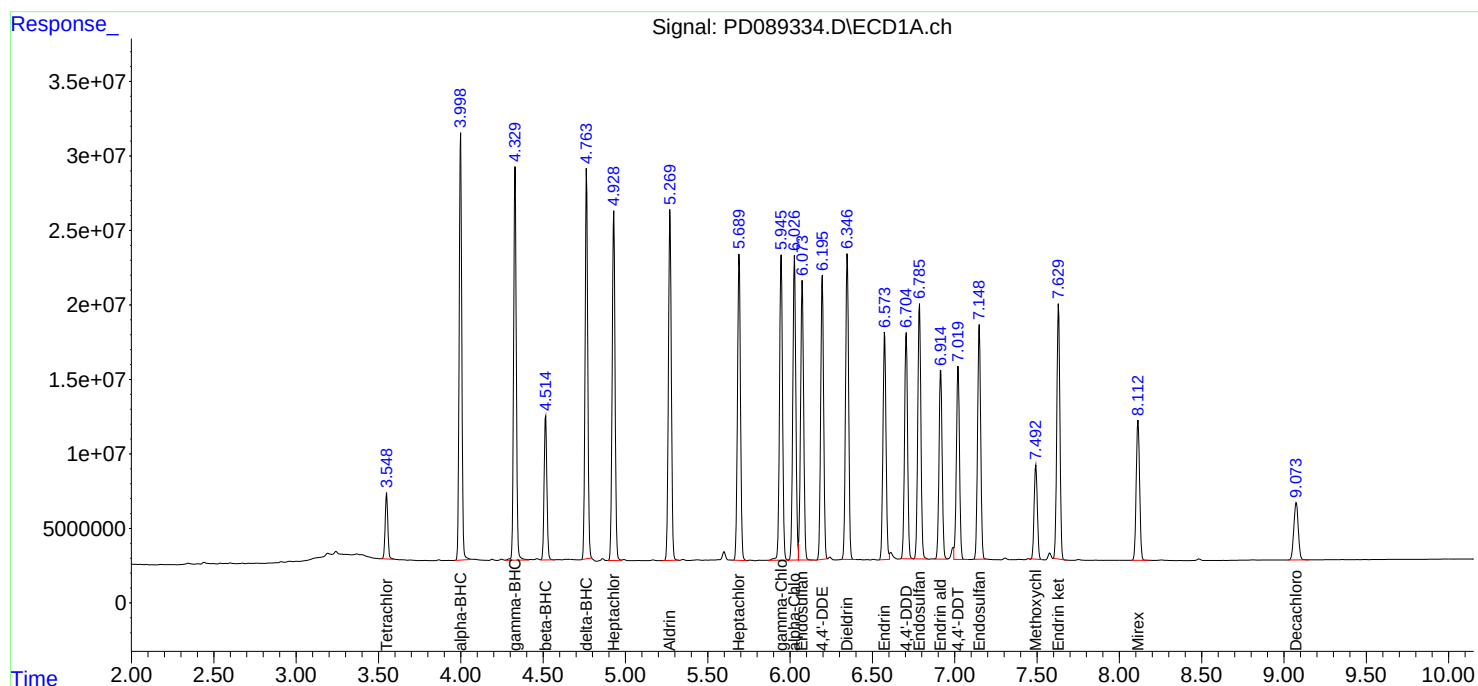
Instrument :
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ClientSampleId :
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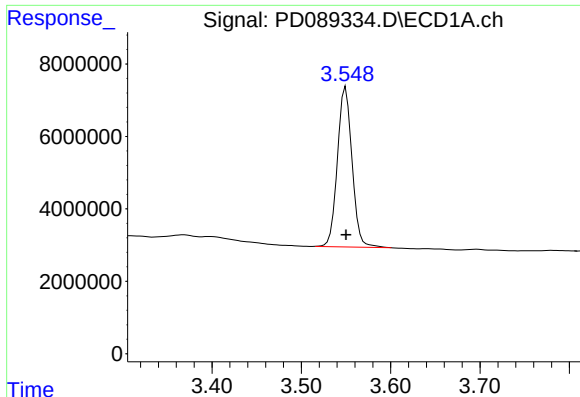
Manual Integrations
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Supervised By :mohammad ahmed 07/09/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 04 02:18:42 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





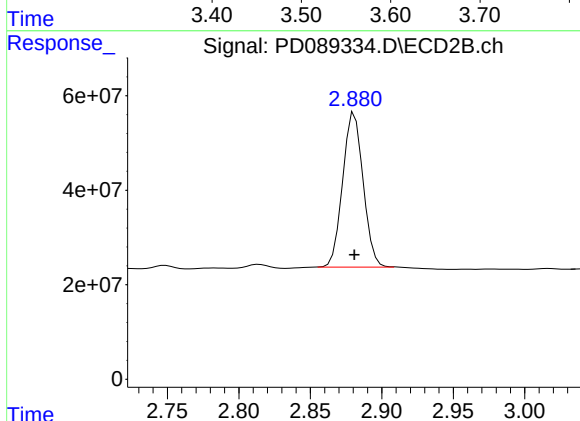
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 50161670
Conc: 17.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

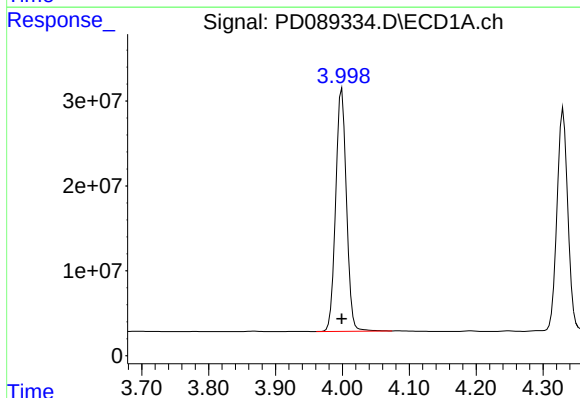
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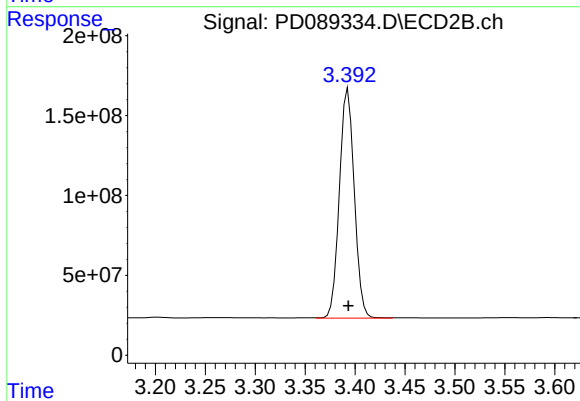
#1 Tetrachloro-m-xylene

R.T.: 2.880 min
Delta R.T.: -0.001 min
Response: 326653494
Conc: 19.27 ng/ml m



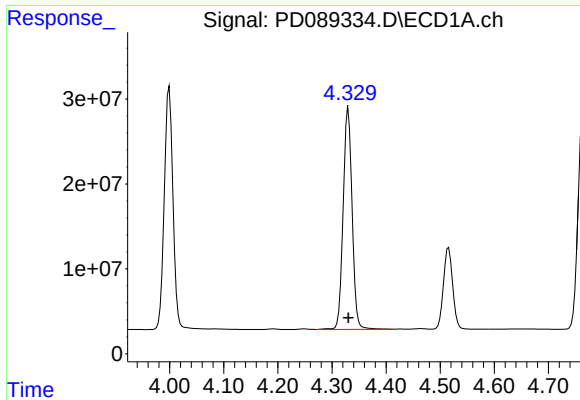
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 318069416
Conc: 54.57 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1490678092
Conc: 55.63 ng/ml



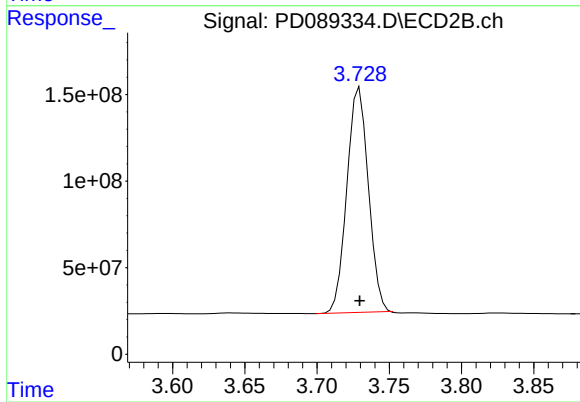
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 301996026
Conc: 54.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

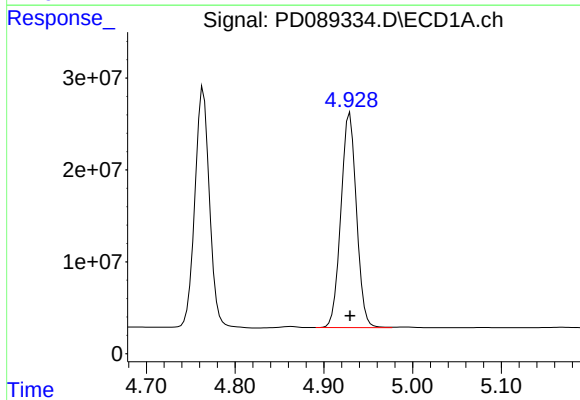
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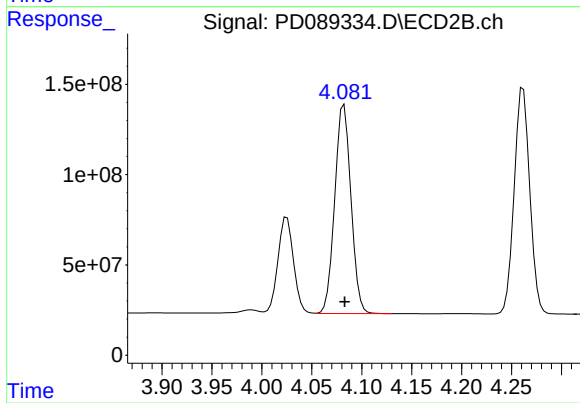
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.000 min
Response: 1345052932
Conc: 54.33 ng/ml



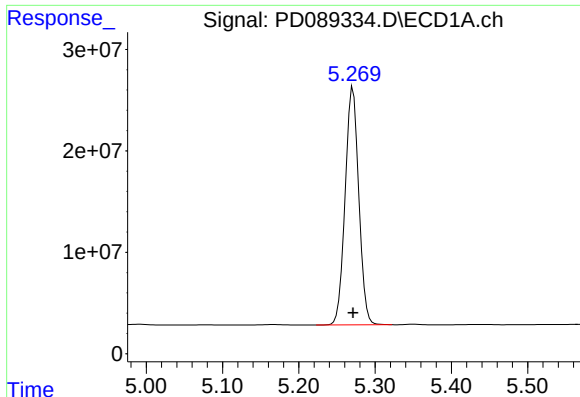
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 284767289
Conc: 52.23 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1307234899
Conc: 52.21 ng/ml



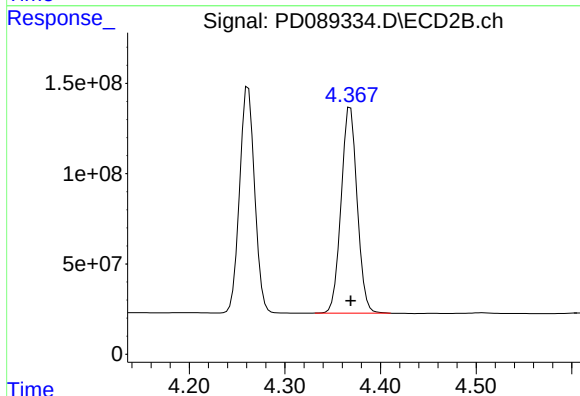
#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.000 min
Response: 291659519
Conc: 54.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

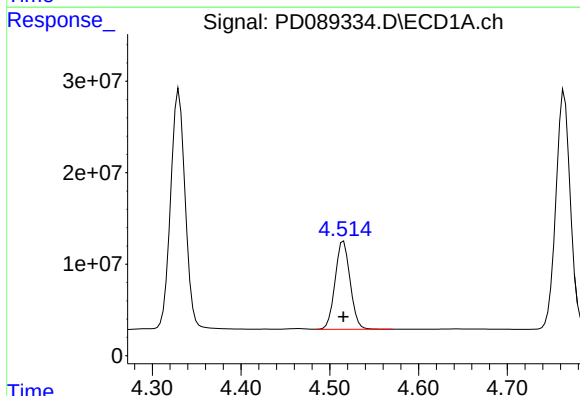
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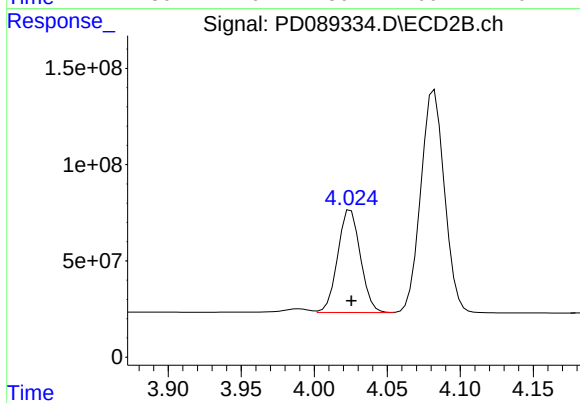
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1334143238
Conc: 55.09 ng/ml



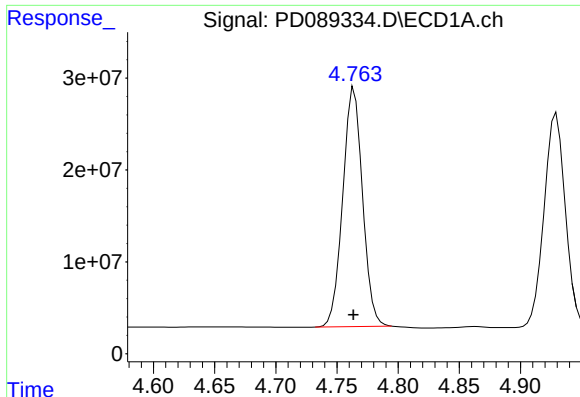
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.000 min
Response: 113584725
Conc: 51.46 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 577276752
Conc: 53.72 ng/ml



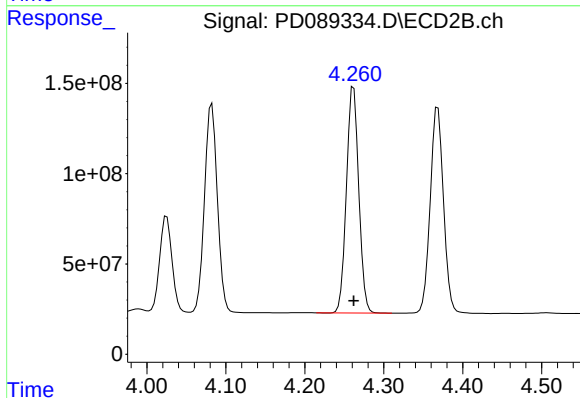
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 292969596
Conc: 57.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

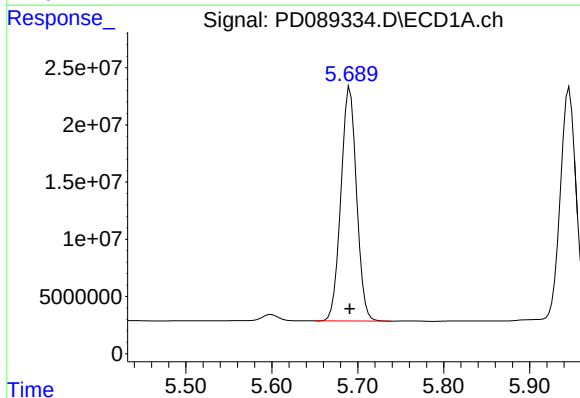
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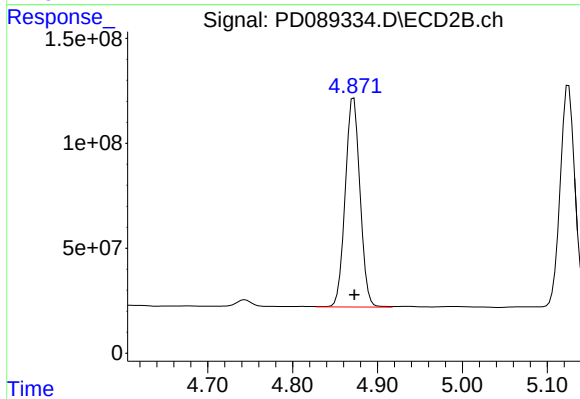
#7 delta-BHC

R.T.: 4.262 min
Delta R.T.: 0.000 min
Response: 1362377297
Conc: 54.77 ng/ml



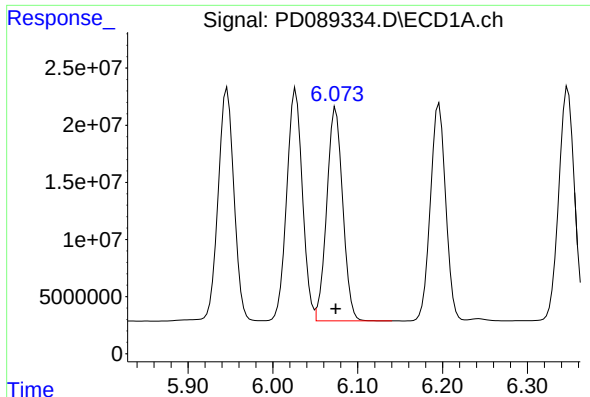
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.000 min
Response: 258925587
Conc: 53.68 ng/ml



#8 Heptachlor epoxide

R.T.: 4.872 min
Delta R.T.: 0.000 min
Response: 1205400665
Conc: 55.05 ng/ml



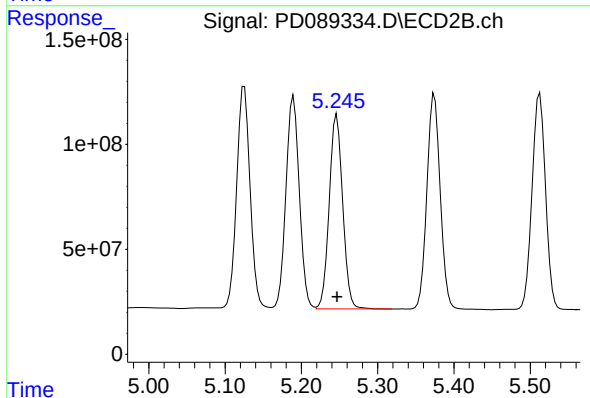
#9 Endosulfan I

R.T.: 6.074 min
Delta R.T.: 0.000 min
Response: 244751936
Conc: 54.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

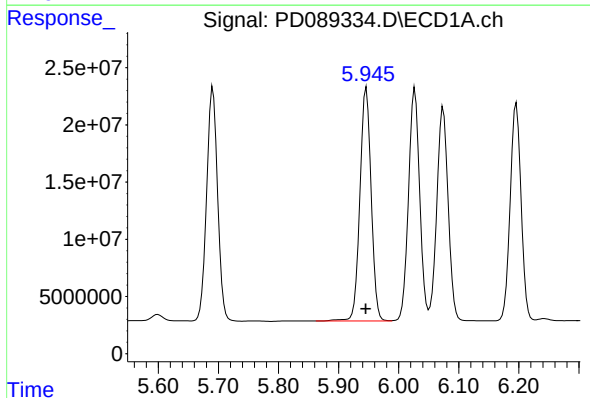
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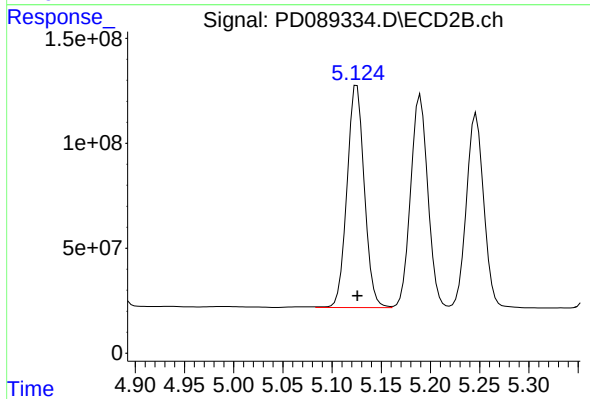
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 1135190129
Conc: 54.47 ng/ml



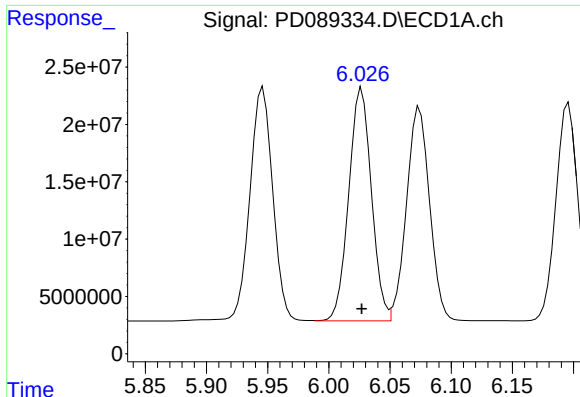
#10 gamma-Chlordane

R.T.: 5.946 min
Delta R.T.: 0.000 min
Response: 265331718
Conc: 55.41 ng/ml



#10 gamma-Chlordane

R.T.: 5.125 min
Delta R.T.: 0.000 min
Response: 1296581063
Conc: 54.20 ng/ml



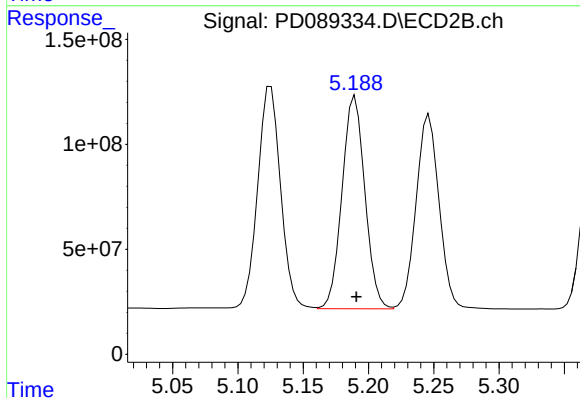
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.000 min
Response: 261752732
Conc: 54.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

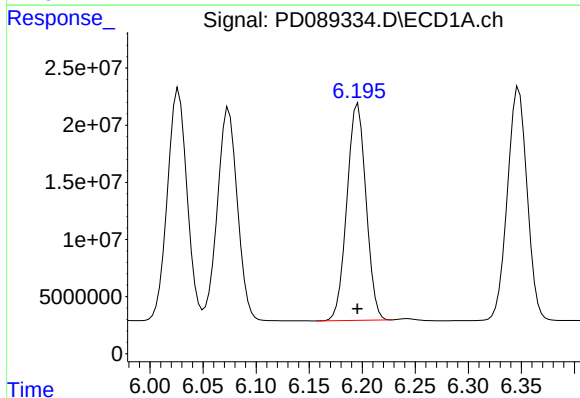
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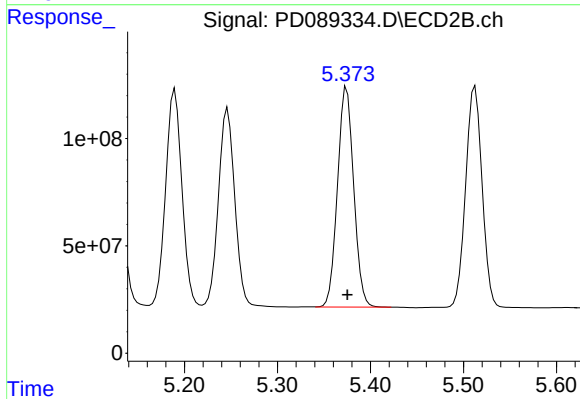
#11 alpha-Chlordane

R.T.: 5.190 min
Delta R.T.: 0.000 min
Response: 1234342864
Conc: 53.91 ng/ml



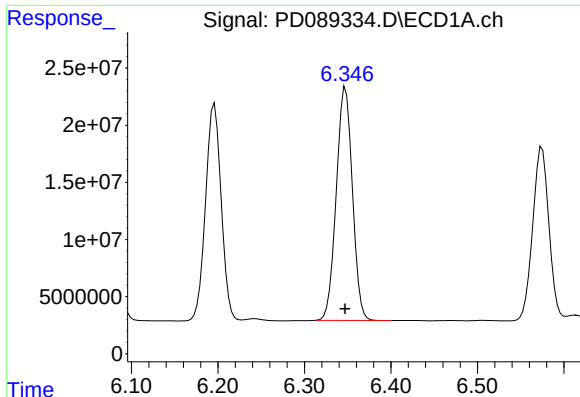
#12 4,4'-DDE

R.T.: 6.196 min
Delta R.T.: 0.000 min
Response: 237198626
Conc: 54.39 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 1240314927
Conc: 54.12 ng/ml



#13 Dieldrin

R.T.: 6.348 min
Delta R.T.: 0.000 min
Response: 263355584
Conc: 54.89 ng/ml

Instrument :

ECD_D

ClientSampleId :

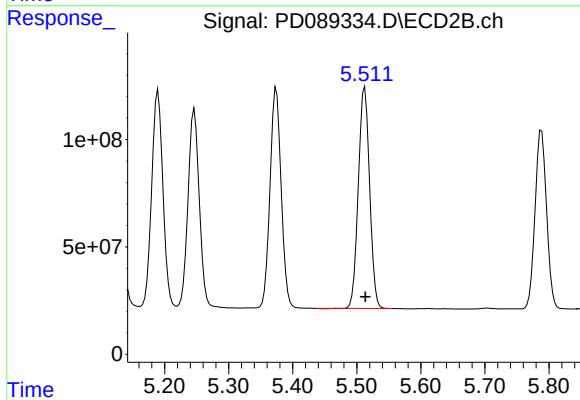
PB168725BS

Manual Integrations

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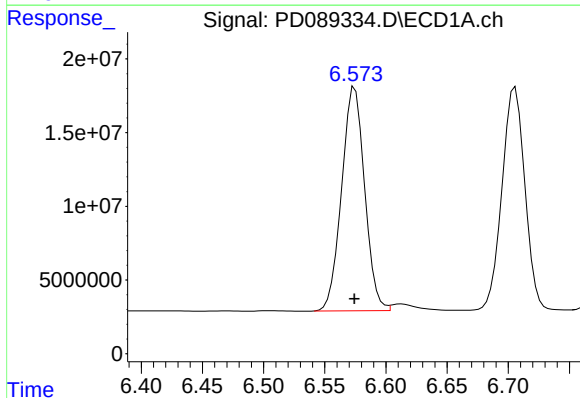
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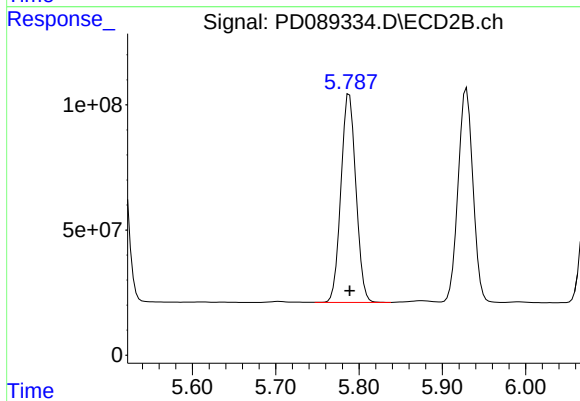
#13 Dieldrin

R.T.: 5.513 min
Delta R.T.: 0.000 min
Response: 1264031080
Conc: 54.46 ng/ml



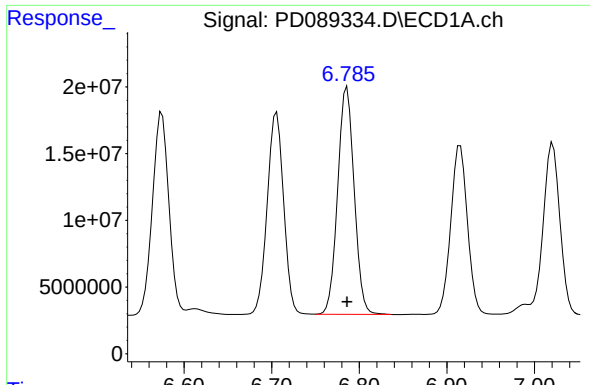
#14 Endrin

R.T.: 6.575 min
Delta R.T.: 0.000 min
Response: 198737889
Conc: 48.17 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1041060021
Conc: 47.94 ng/ml



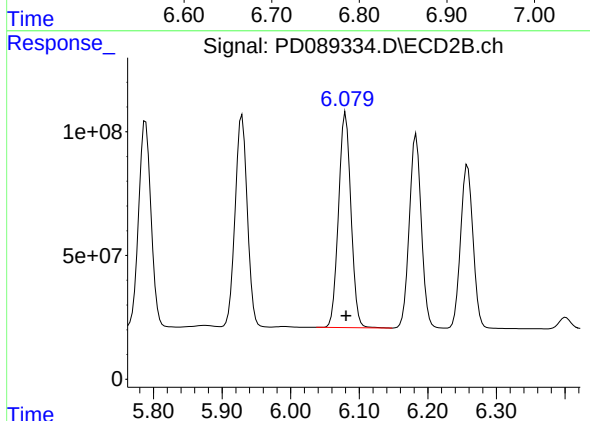
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 223328622
Conc: 55.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

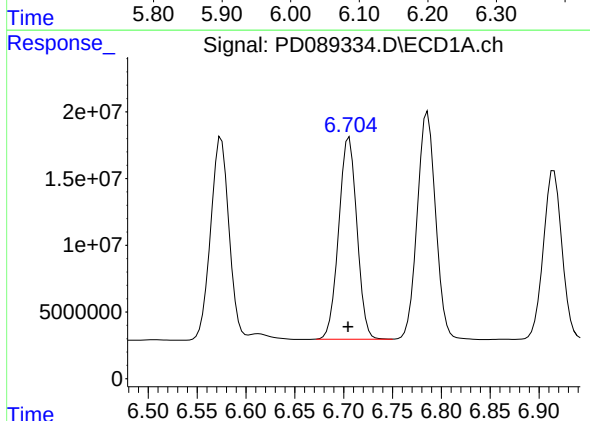
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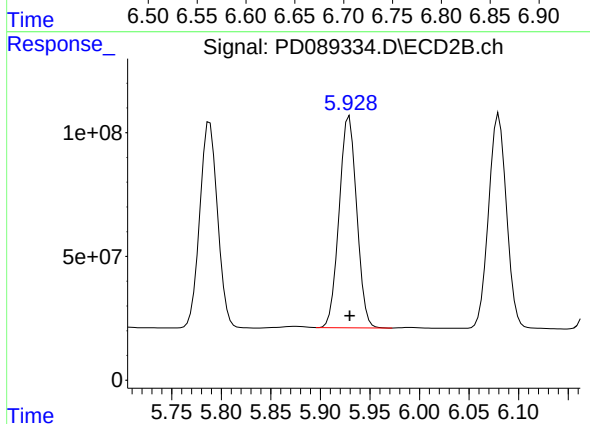
#15 Endosulfan II

R.T.: 6.080 min
Delta R.T.: 0.000 min
Response: 1094132880
Conc: 54.17 ng/ml



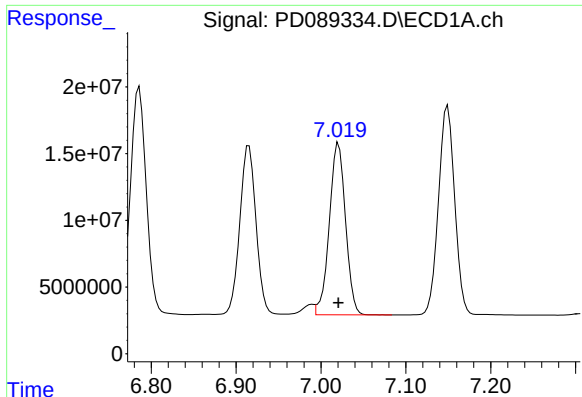
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.001 min
Response: 196918330
Conc: 57.38 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 1054814052
Conc: 55.14 ng/ml



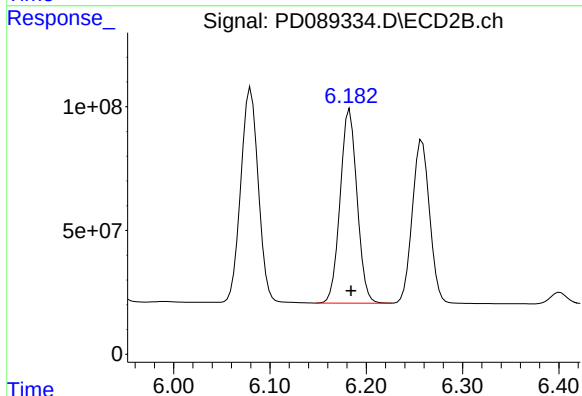
#17 4,4'-DDT

R.T.: 7.021 min
Delta R.T.: 0.000 min
Response: 171067299
Conc: 45.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

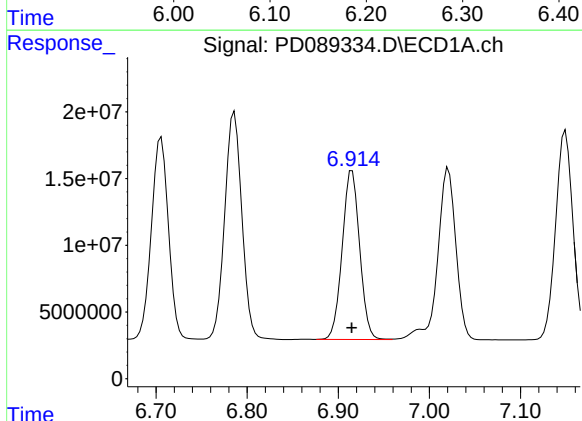
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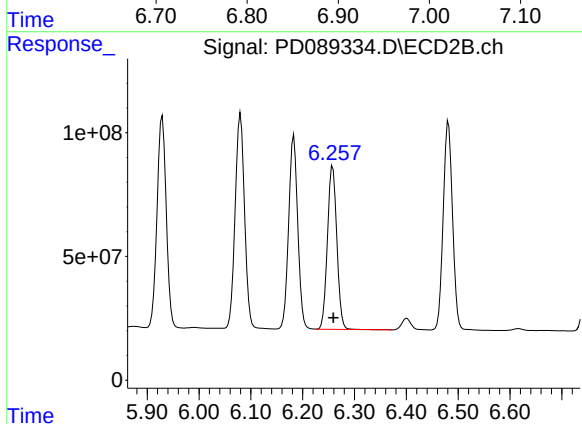
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.001 min
Response: 953738920
Conc: 47.03 ng/ml



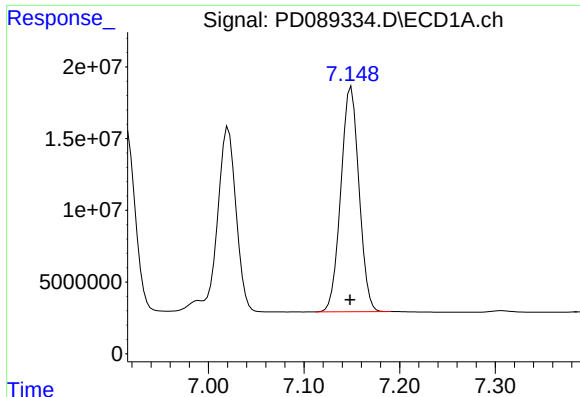
#18 Endrin aldehyde

R.T.: 6.915 min
Delta R.T.: 0.000 min
Response: 168337801
Conc: 54.94 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.001 min
Response: 832777014
Conc: 54.39 ng/ml



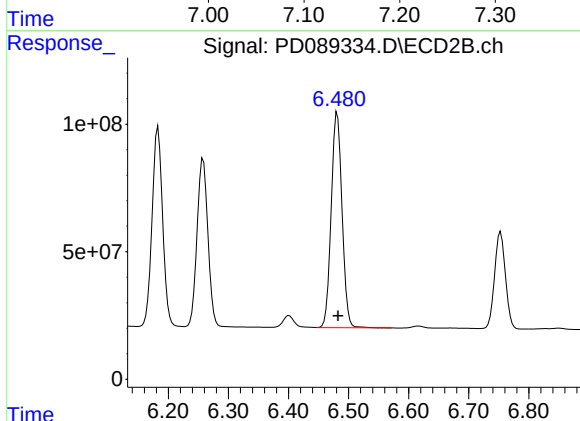
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.001 min
Response: 207447777
Conc: 54.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

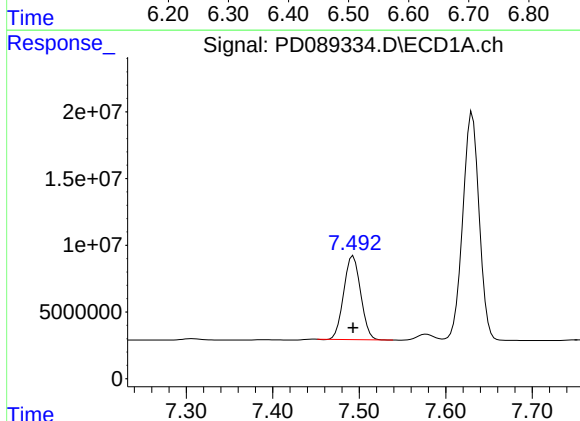
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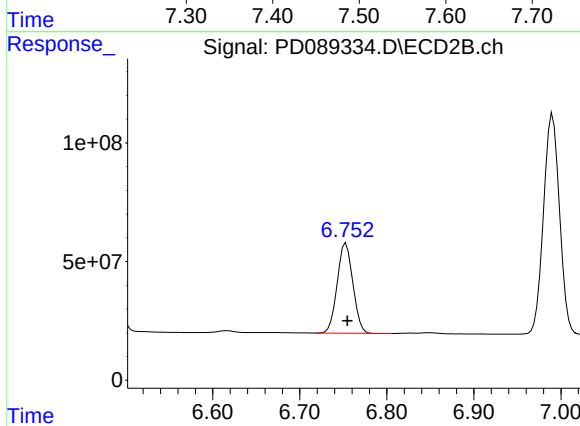
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: -0.001 min
Response: 1058415338
Conc: 53.94 ng/ml



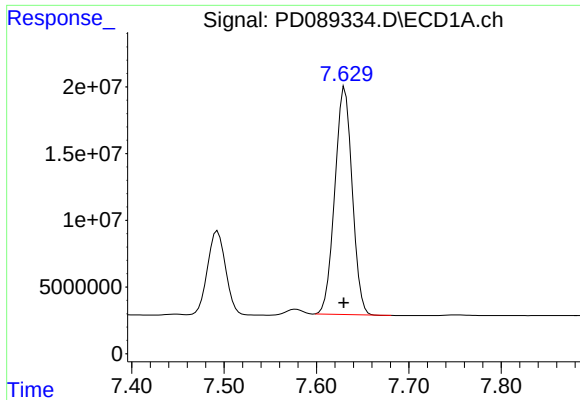
#20 Methoxychlor

R.T.: 7.493 min
Delta R.T.: 0.000 min
Response: 84672505
Conc: 41.90 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.002 min
Response: 475972245
Conc: 44.20 ng/ml



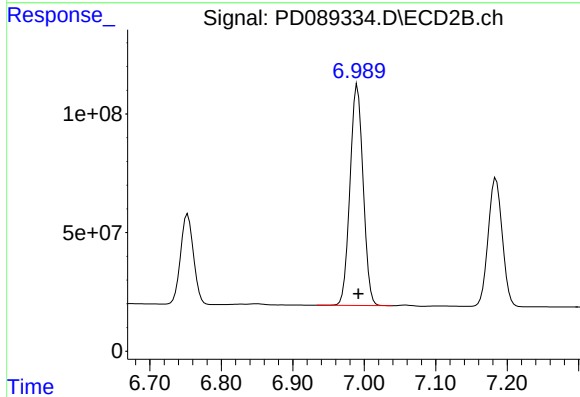
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.001 min
Response: 222643995
Conc: 54.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

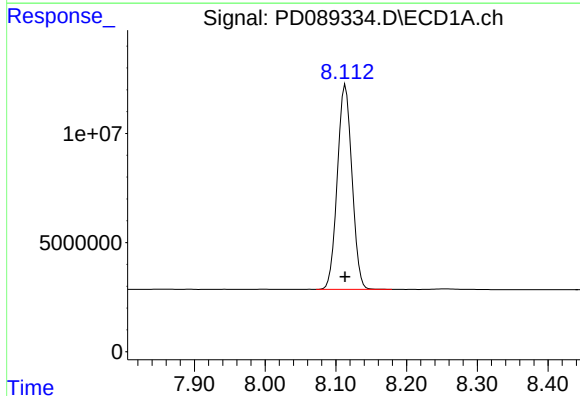
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/07/2025
Supervised By :mohammad ahmed 07/09/2025



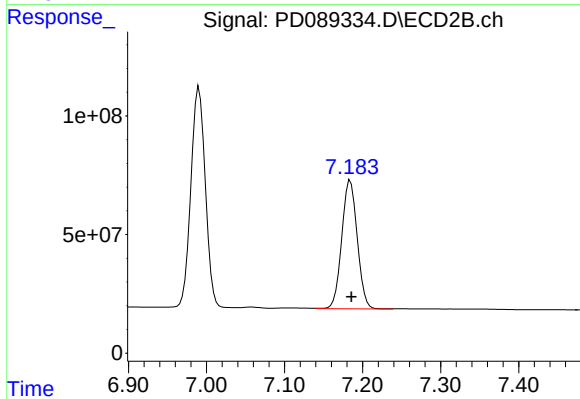
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 1190689607
Conc: 55.12 ng/ml



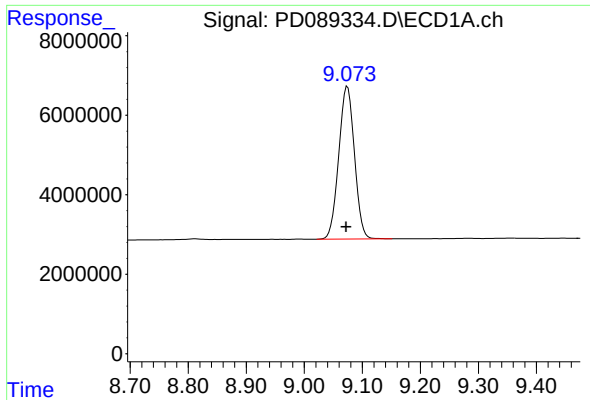
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.000 min
Response: 134746795
Conc: 44.32 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 745511561
Conc: 44.70 ng/ml



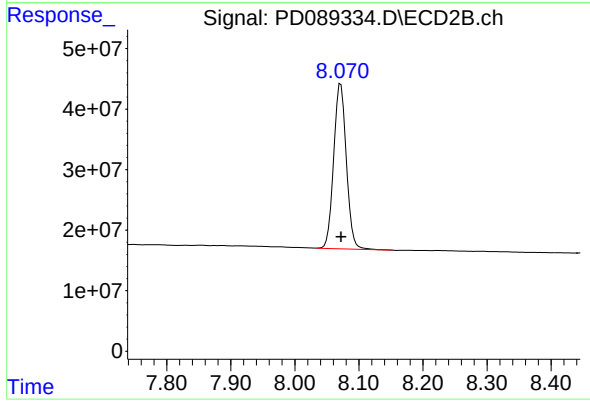
#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.003 min
Response: 72177341
Conc: 18.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB168725BS

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#28 Decachlorobiphenyl

R.T.: 8.072 min
Delta R.T.: 0.000 min
Response: 374429073
Conc: 18.94 ng/ml