

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070725\
 Data File : PD089369.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 07 Jul 2025 19:59
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/08/2025
 Supervised By : mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 08 02:28:02 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	154.2E6	977.5E6	54.049	57.659
28)	SA Decachlor...	9.071	8.070	167.7E6	795.7E6	42.696	40.246m
Target Compounds							
2)	A alpha-BHC	3.999	3.393	332.4E6	1576.3E6	57.027	58.823
3)	MA gamma-BHC...	4.330	3.728	316.0E6	1457.9E6	56.616	58.890m
4)	MA Heptachlor	4.929	4.082	305.4E6	1445.8E6	56.023	57.742
5)	MB Aldrin	5.270	4.368	294.7E6	1413.0E6	55.470	58.346
6)	B beta-BHC	4.515	4.025	119.9E6	612.1E6	54.334	56.958
7)	B delta-BHC	4.763	4.261	306.8E6	1452.4E6	59.777	58.391
8)	B Heptachlo...	5.690	4.870	252.9E6	1270.6E6	52.431	58.021m
9)	A Endosulfan I	6.073	5.246	234.0E6	1234.1E6	51.913	59.213
10)	B gamma-Chl...	5.945	5.123	251.3E6	1348.9E6	52.479	56.387m
11)	B alpha-Chl...	6.026	5.189	249.5E6	1339.0E6	51.572	58.481
12)	B 4,4'-DDE	6.195	5.374	223.8E6	1297.1E6	51.308	56.602
13)	MA Dieldrin	6.346	5.512	249.6E6	1296.6E6	52.023	55.867
14)	MA Endrin	6.573	5.788	208.3E6	1190.5E6	50.500	54.824
15)	B Endosulfa...	6.785	6.079	201.5E6	1069.6E6	49.907	52.961
16)	A 4,4'-DDD	6.704	5.929	170.0E6	979.8E6	49.530	51.220
17)	MA 4,4'-DDT	7.020	6.183	176.3E6	1059.5E6	46.535	52.243
18)	B Endrin al...	6.913	6.258	144.3E6	778.8E6	47.100	50.863
19)	B Endosulfa...	7.148	6.481	179.2E6	1015.1E6	46.694	51.737
20)	A Methoxychlor	7.492	6.753	89351678	504.4E6	44.220	46.841
21)	B Endrin ke...	7.629	6.990	184.7E6	1015.9E6	45.354	47.026
22)	Mirex	8.112	7.184	128.5E6	764.0E6	42.273	45.810

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

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Data File : PD089369.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 07 Jul 2025 19:59
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

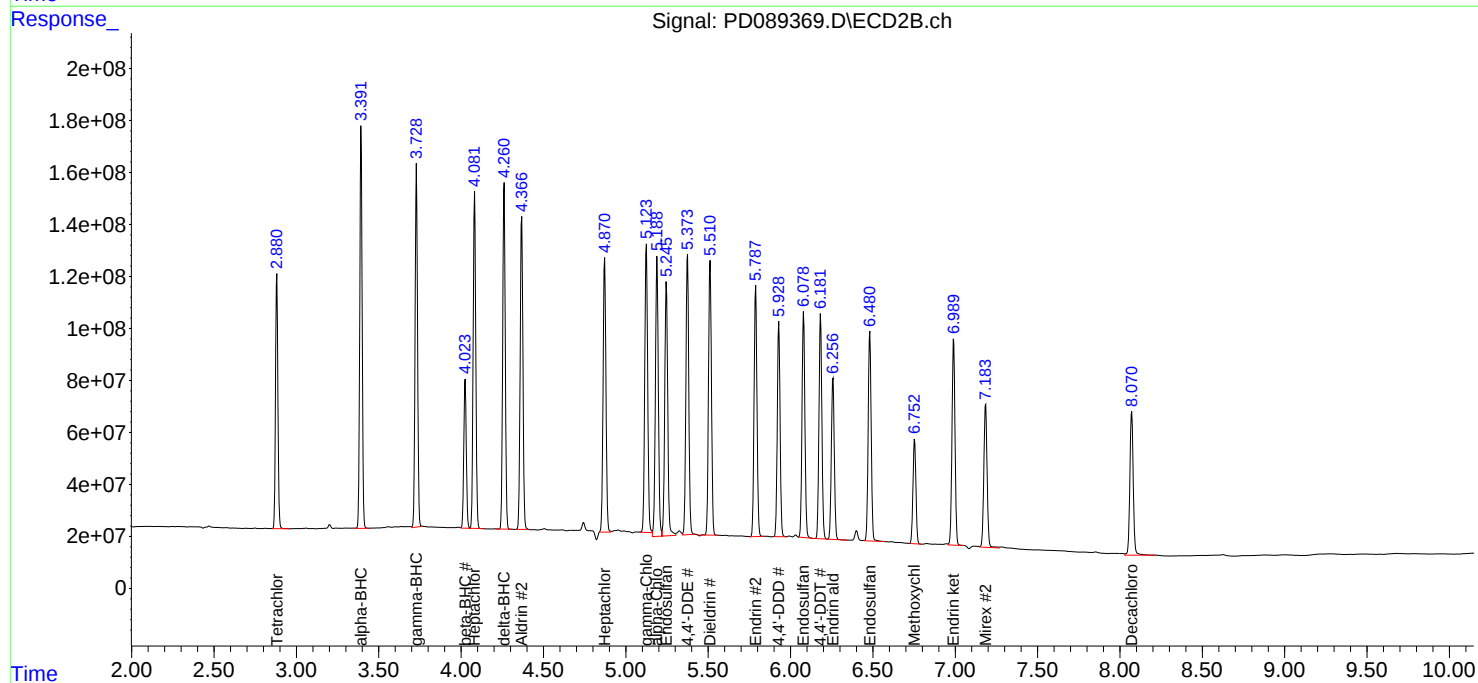
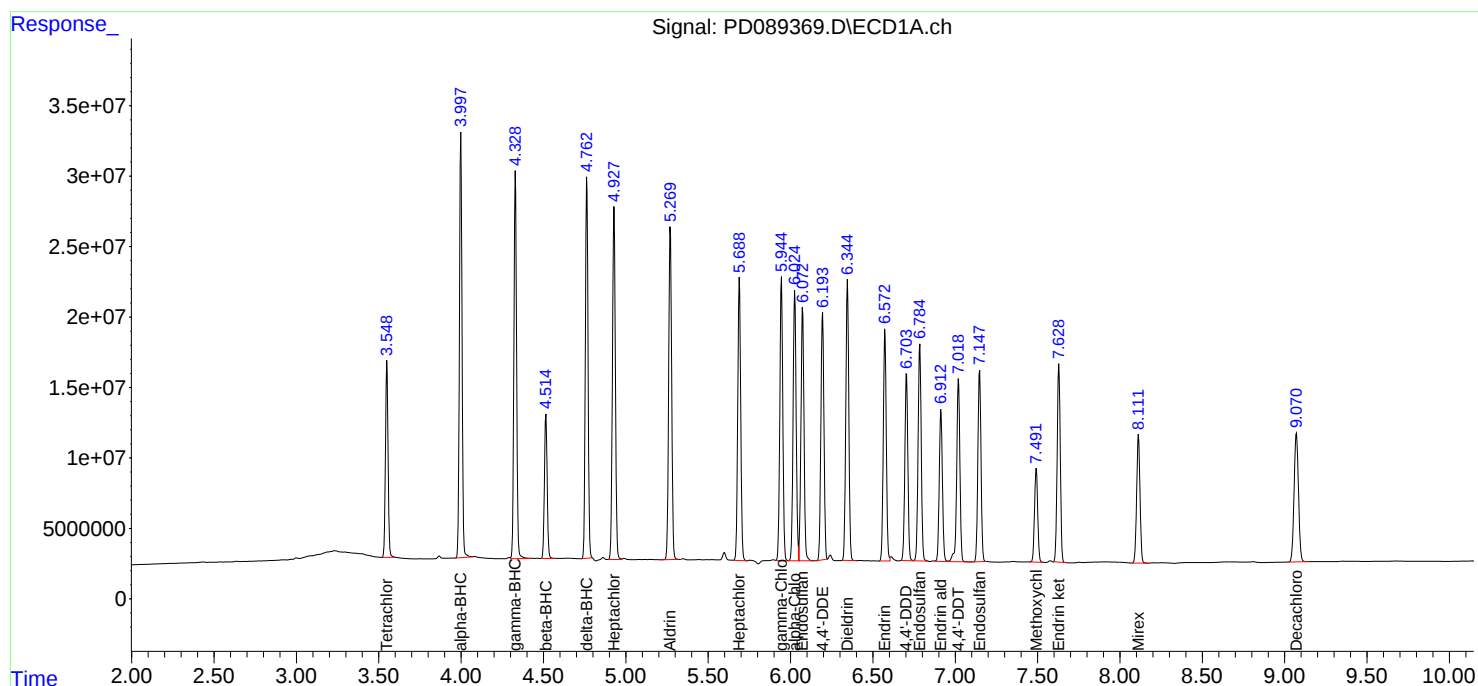
APPROVED

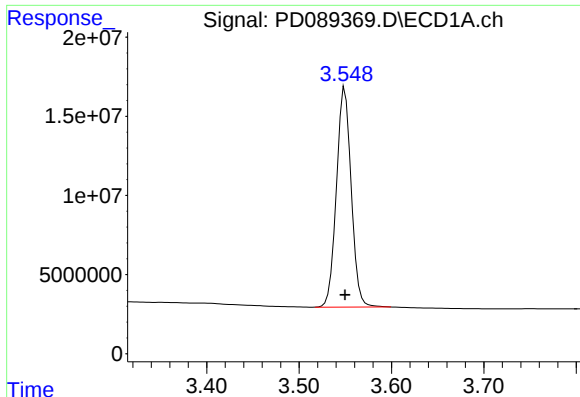
Reviewed By :Abdul Mirza 07/08/2025

Supervised By :mohammad ahmed 07/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 08 02:28:02 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
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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





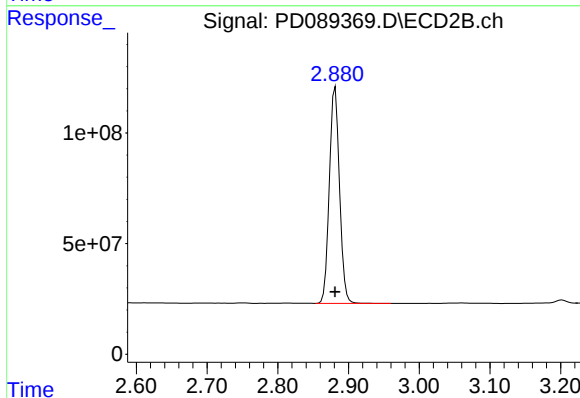
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.000 min
Response: 154209053
Conc: 54.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

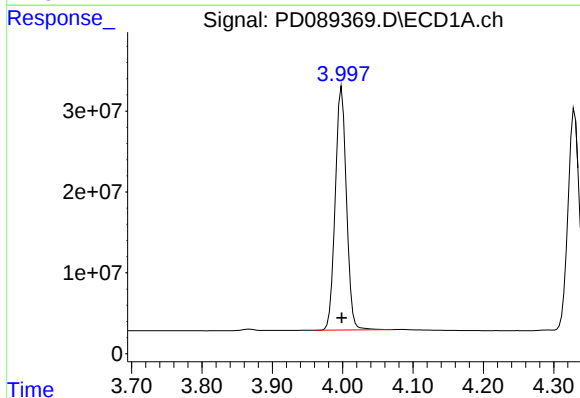
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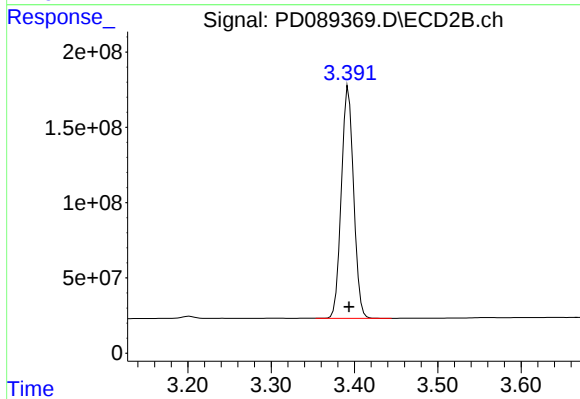
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 977507473
Conc: 57.66 ng/ml



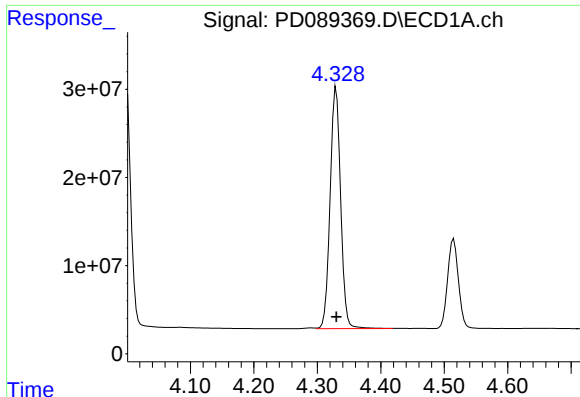
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 332416504
Conc: 57.03 ng/ml



#2 alpha-BHC

R.T.: 3.393 min
Delta R.T.: 0.000 min
Response: 1576281052
Conc: 58.82 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 316012361
Conc: 56.62 ng/ml

Instrument :

ECD_D

ClientSampleId :

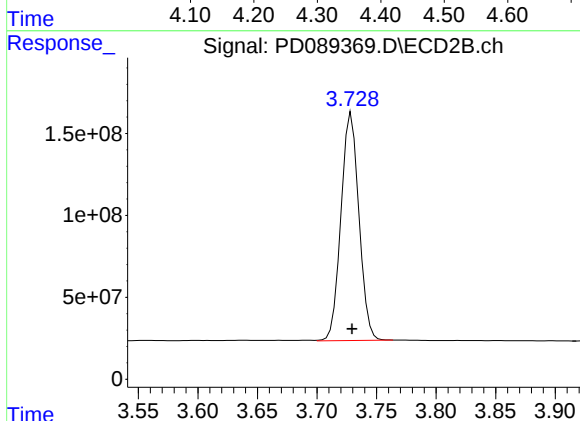
PSTDCCC050

Manual Integrations

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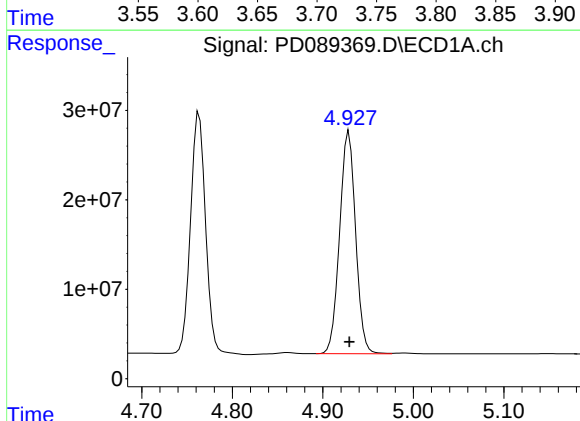
Reviewed By :Abdul Mirza 07/08/2025

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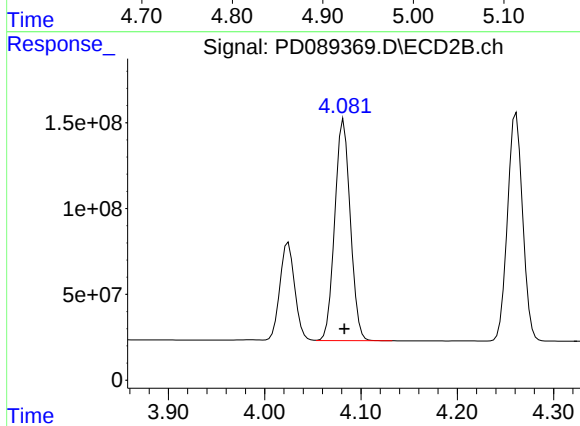
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: -0.002 min
Response: 1457935008
Conc: 58.89 ng/ml m



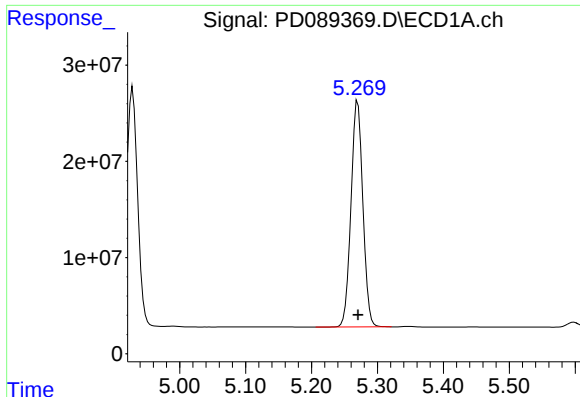
#4 Heptachlor

R.T.: 4.929 min
Delta R.T.: 0.000 min
Response: 305433252
Conc: 56.02 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 1445755228
Conc: 57.74 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.000 min
Response: 294709945
Conc: 55.47 ng/ml

Instrument :

ECD_D

ClientSampleId :

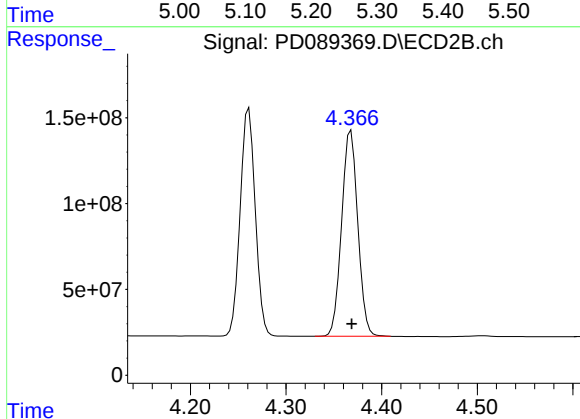
PSTDCCC050

Manual Integrations

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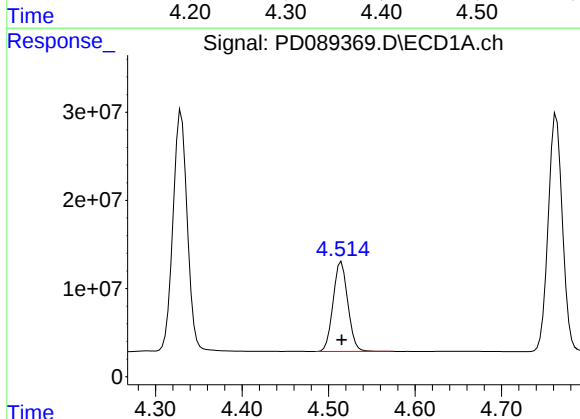
Reviewed By :Abdul Mirza 07/08/2025

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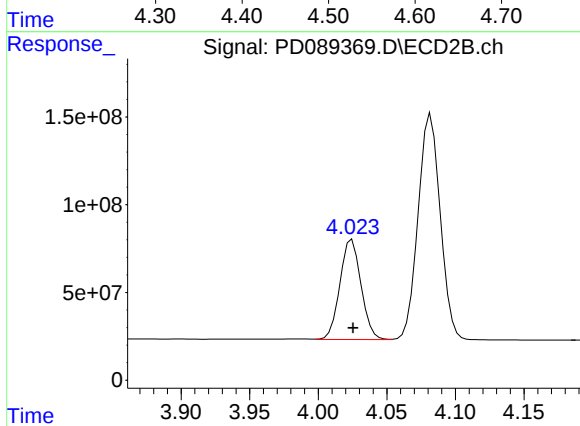
#5 Aldrin

R.T.: 4.368 min
Delta R.T.: 0.000 min
Response: 1412986044
Conc: 58.35 ng/ml



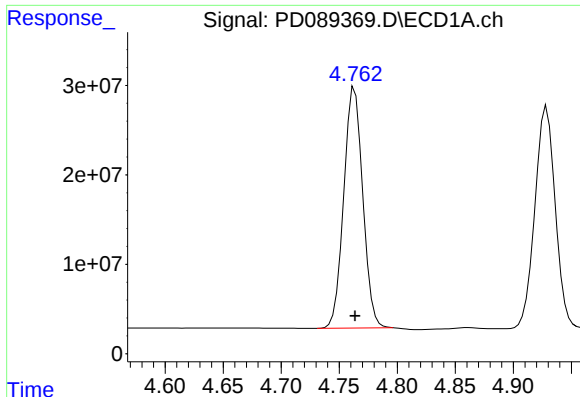
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 119922119
Conc: 54.33 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 612085063
Conc: 56.96 ng/ml



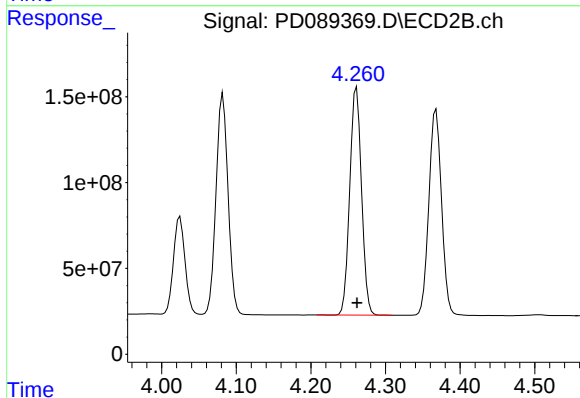
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 306827561
Conc: 59.78 ng/ml

Instrument :
ECD_D
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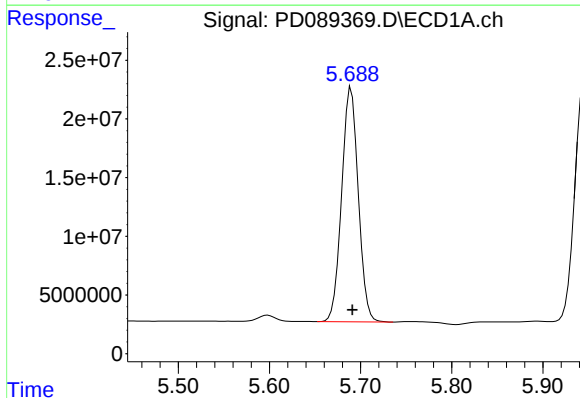
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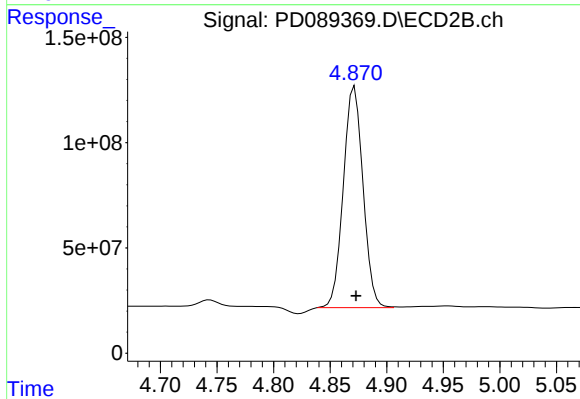
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 1452395035
Conc: 58.39 ng/ml



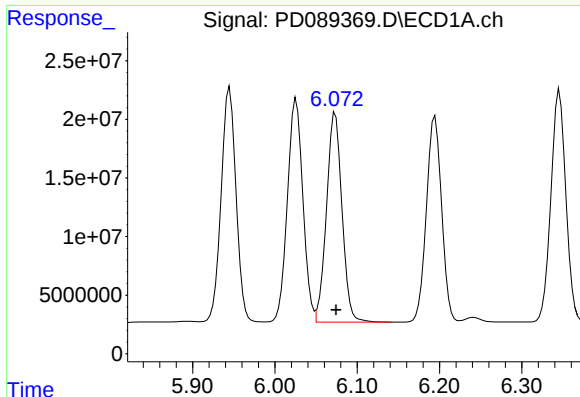
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.001 min
Response: 252922810
Conc: 52.43 ng/ml



#8 Heptachlor epoxide

R.T.: 4.870 min
Delta R.T.: -0.003 min
Response: 1270552408
Conc: 58.02 ng/ml m



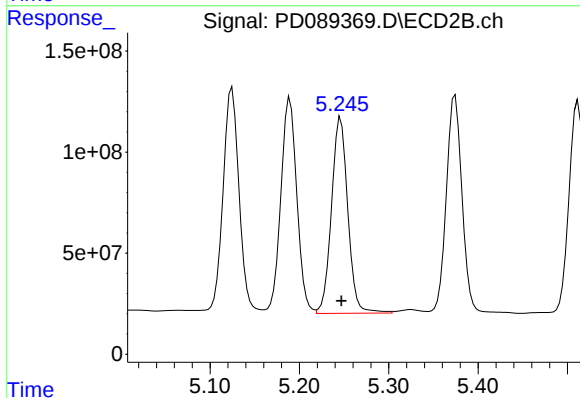
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 233994979
Conc: 51.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

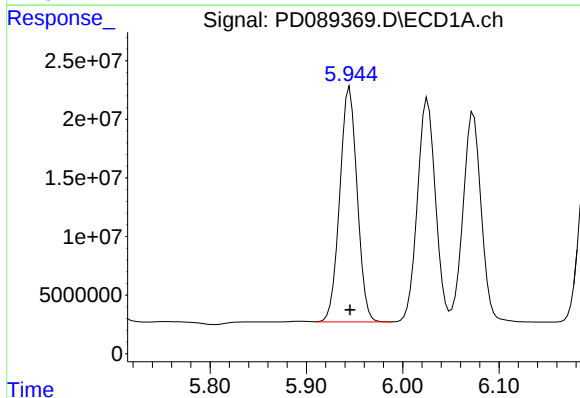
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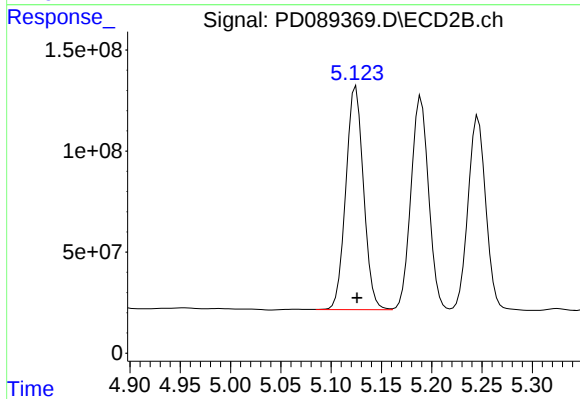
#9 Endosulfan I

R.T.: 5.246 min
Delta R.T.: 0.000 min
Response: 1234144712
Conc: 59.21 ng/ml



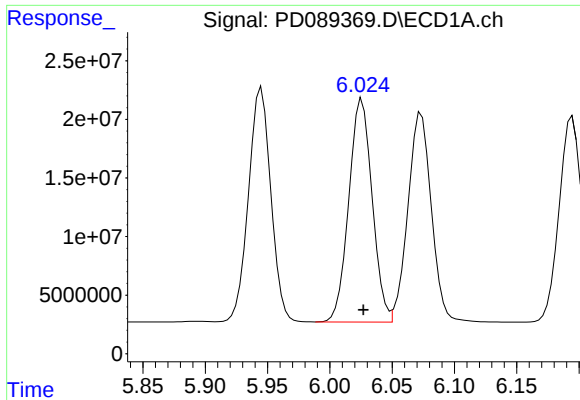
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 251275452
Conc: 52.48 ng/ml



#10 gamma-Chlordane

R.T.: 5.123 min
Delta R.T.: -0.002 min
Response: 1348938909
Conc: 56.39 ng/ml m



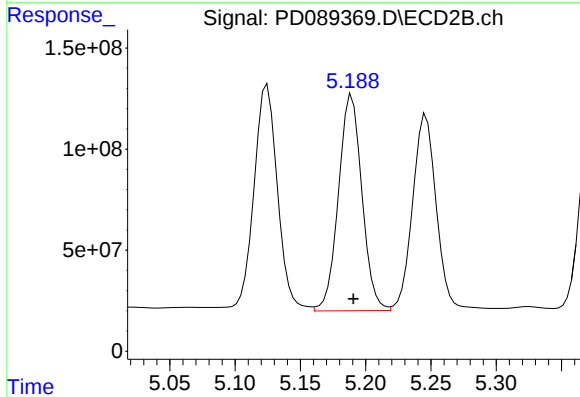
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 249531724
Conc: 51.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

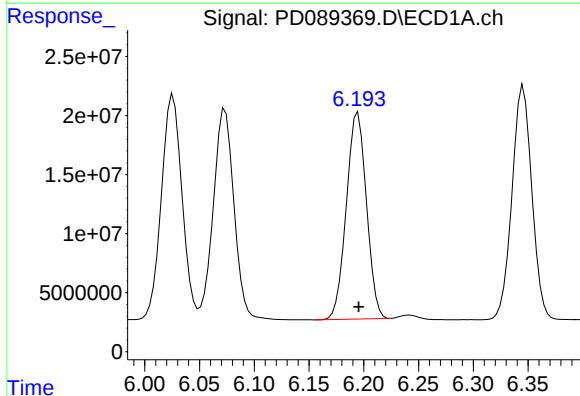
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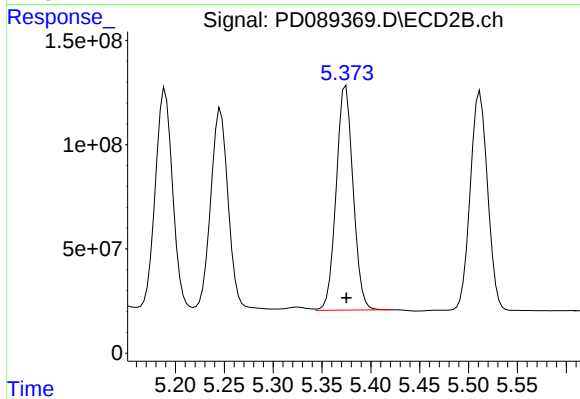
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.001 min
Response: 1339038982
Conc: 58.48 ng/ml



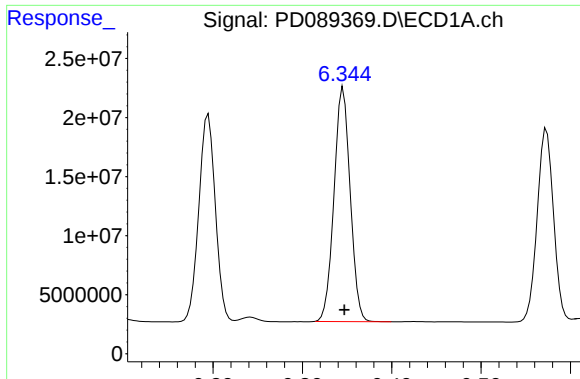
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 223757171
Conc: 51.31 ng/ml



#12 4,4'-DDE

R.T.: 5.374 min
Delta R.T.: 0.000 min
Response: 1297095232
Conc: 56.60 ng/ml



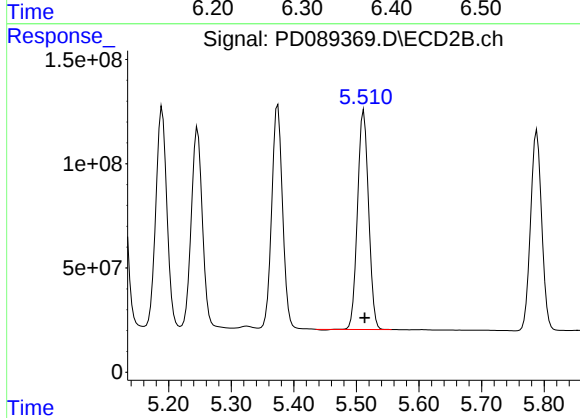
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: -0.001 min
Response: 249577235
Conc: 52.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

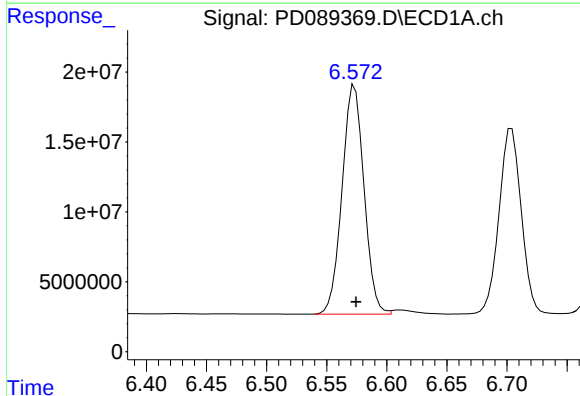
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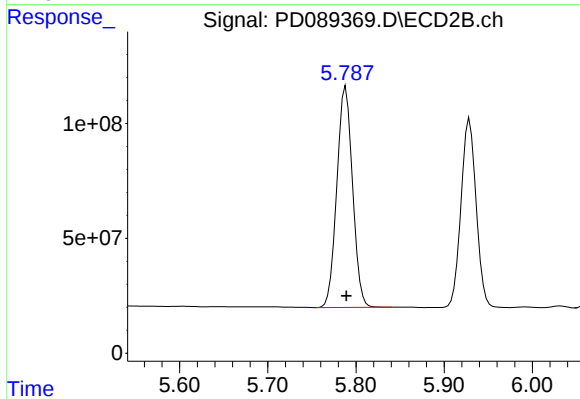
#13 Dieldrin

R.T.: 5.512 min
Delta R.T.: -0.001 min
Response: 1296598599
Conc: 55.87 ng/ml



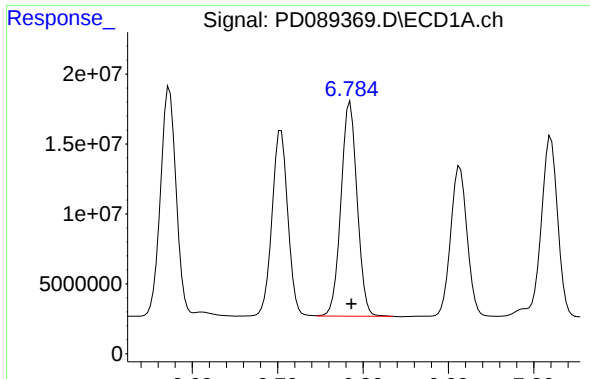
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 208342225
Conc: 50.50 ng/ml



#14 Endrin

R.T.: 5.788 min
Delta R.T.: 0.000 min
Response: 1190452830
Conc: 54.82 ng/ml



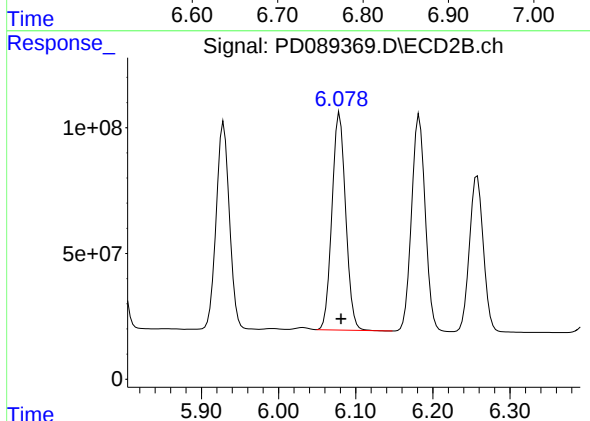
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: -0.001 min
Response: 201454083
Conc: 49.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

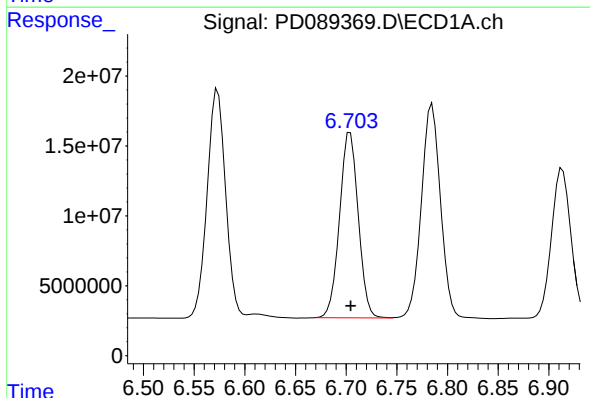
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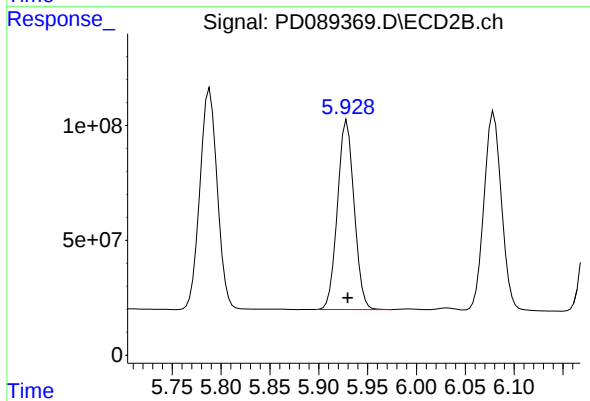
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 1069633698
Conc: 52.96 ng/ml



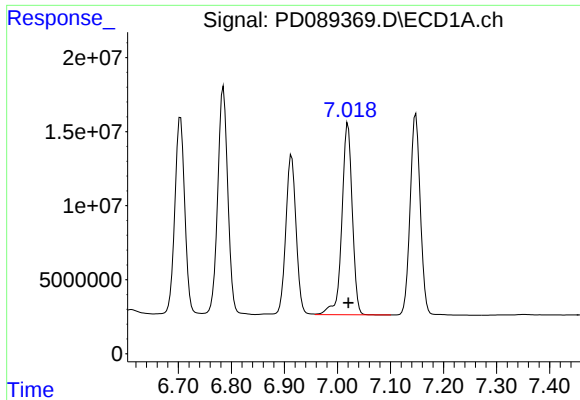
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 169991234
Conc: 49.53 ng/ml



#16 4,4'-DDD

R.T.: 5.929 min
Delta R.T.: 0.000 min
Response: 979799625
Conc: 51.22 ng/ml



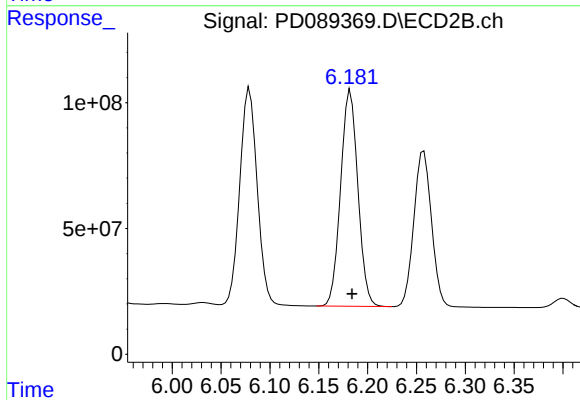
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 176282312
Conc: 46.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

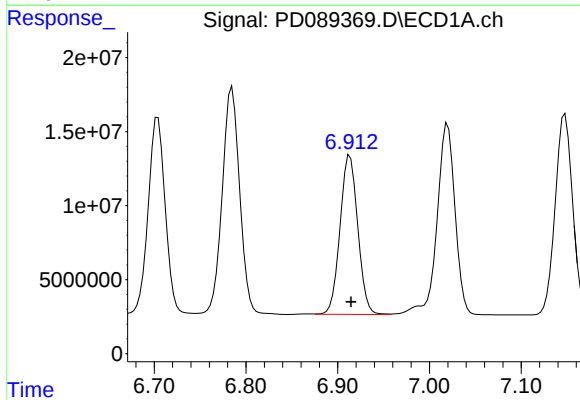
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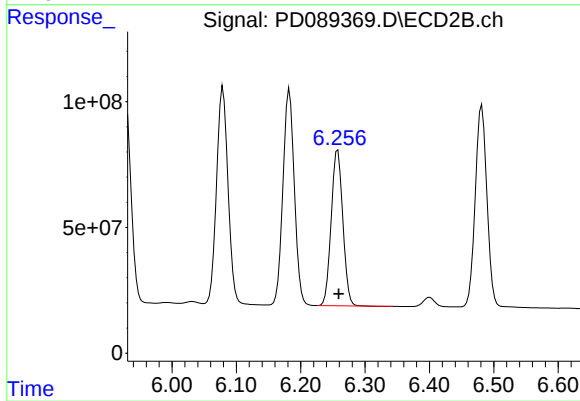
#17 4,4'-DDT

R.T.: 6.183 min
Delta R.T.: -0.002 min
Response: 1059455979
Conc: 52.24 ng/ml



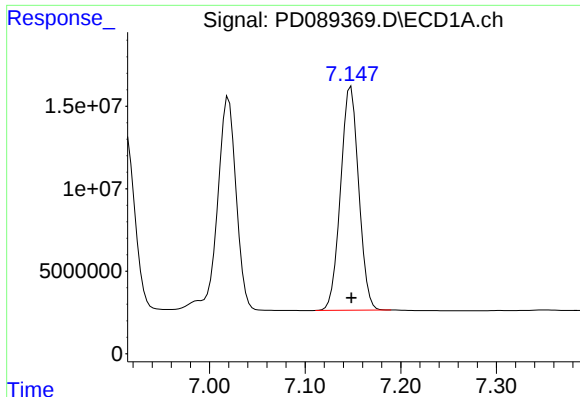
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: -0.001 min
Response: 144310819
Conc: 47.10 ng/ml



#18 Endrin aldehyde

R.T.: 6.258 min
Delta R.T.: -0.002 min
Response: 778783812
Conc: 50.86 ng/ml



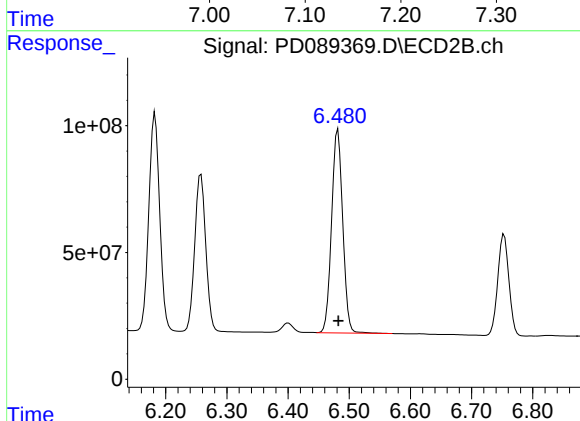
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 179173265
Conc: 46.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

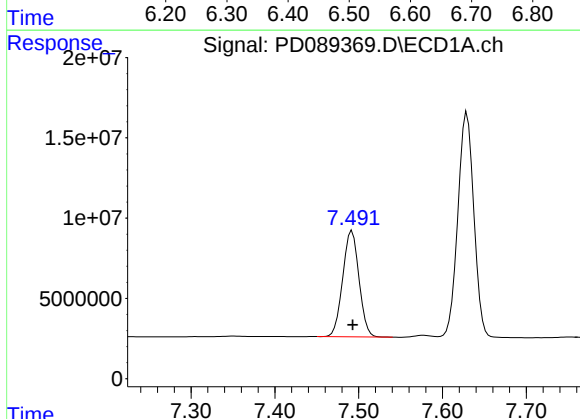
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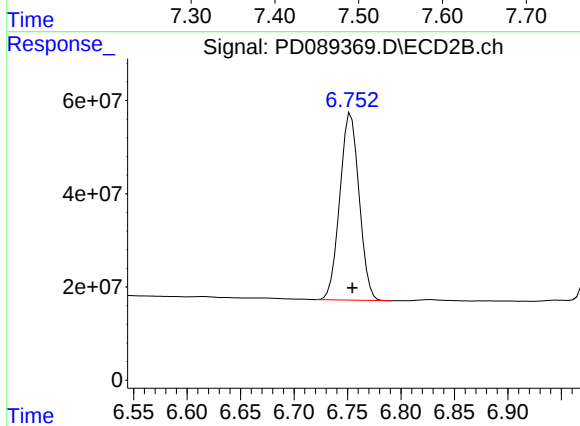
#19 Endosulfan Sulfate

R.T.: 6.481 min
Delta R.T.: 0.000 min
Response: 1015142134
Conc: 51.74 ng/ml



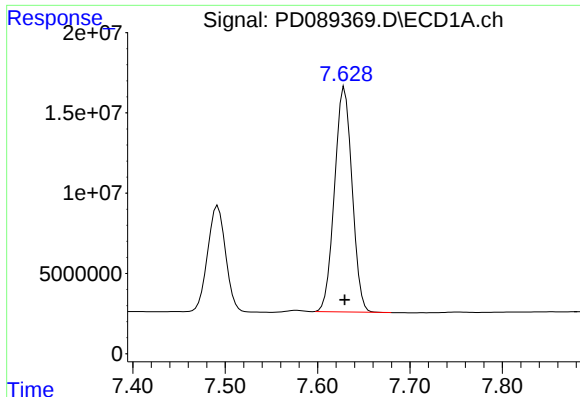
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 89351678
Conc: 44.22 ng/ml



#20 Methoxychlor

R.T.: 6.753 min
Delta R.T.: -0.001 min
Response: 504388455
Conc: 46.84 ng/ml



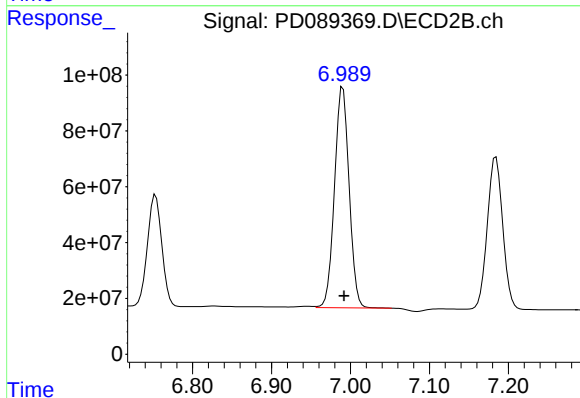
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 184731403
Conc: 45.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

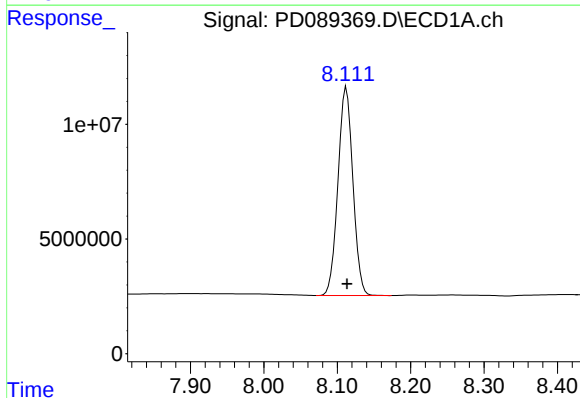
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/08/2025
Supervised By :mohammad ahmed 07/10/2025



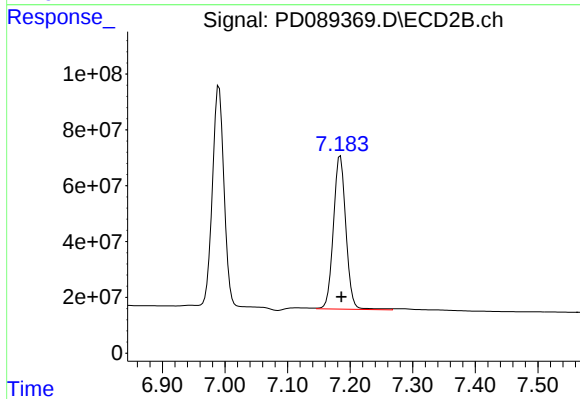
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.002 min
Response: 1015853208
Conc: 47.03 ng/ml



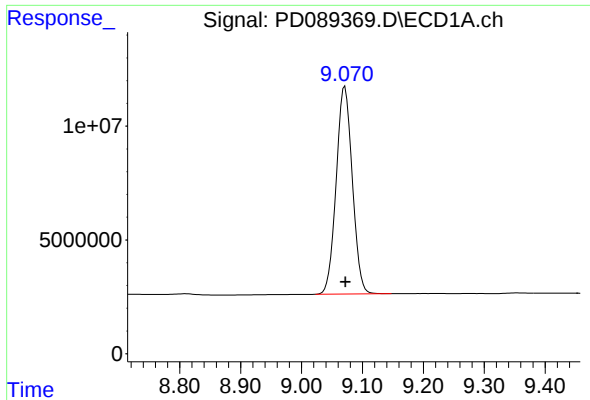
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 128517061
Conc: 42.27 ng/ml



#22 Mirex

R.T.: 7.184 min
Delta R.T.: -0.001 min
Response: 764034288
Conc: 45.81 ng/ml



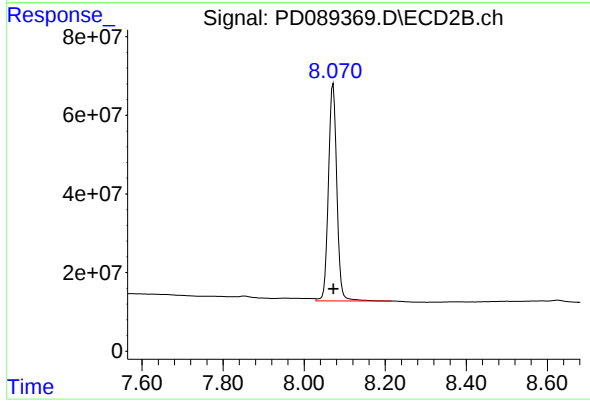
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 167693876
Conc: 42.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

Manual Integrations
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#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 795656940
Conc: 40.25 ng/ml m