

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
 Data File : PD089406.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Jul 2025 15:31
 Operator : AR\AJ
 Sample : Q2517-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-14MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/10/2025
 Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 01:44:10 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...	3.549	2.878	53119707	357.3E6	18.618	21.073m
28)	SA Decachlor...	9.071	8.070	81639695	435.8E6	20.786	22.044
Target Compounds							
2)	A alpha-BHC	3.998	3.390	278.9E6	1345.6E6	47.850	50.214m
3)	MA gamma-BHC...	4.329	3.727	269.1E6	1247.4E6	48.209	50.387m
4)	MA Heptachlor	4.928	4.082	266.8E6	1250.9E6	48.934	49.958
5)	MB Aldrin	5.270	4.367	257.1E6	1219.1E6	48.385	50.339
6)	B beta-BHC	4.515	4.024	104.5E6	530.1E6	47.333	49.329
7)	B delta-BHC	4.763	4.261	262.6E6	1254.5E6	51.163	50.435
8)	B Heptachlo...	5.690	4.869	231.0E6	1088.5E6	47.884	49.708m
9)	A Endosulfan I	6.073	5.244	217.0E6	1041.1E6	48.153	49.949m
10)	B gamma-Chl...	5.944	5.122	220.9E6	1165.9E6	46.143	48.736m
11)	B alpha-Chl...	6.026	5.188	231.2E6	1175.5E6	47.786	51.338
12)	B 4,4'-DDE	6.195	5.373	210.2E6	1153.4E6	48.209	50.333
13)	MA Dieldrin	6.346	5.511	231.7E6	1155.9E6	48.290	49.806
14)	MA Endrin	6.573	5.786	200.3E6	1057.0E6	48.558	48.681m
15)	B Endosulfa...	6.786	6.078	155.6E6	1003.9E6	38.552	49.704 #
16)	A 4,4'-DDD	6.703	5.928	169.2E6	891.0E6	49.295m	46.577
17)	MA 4,4'-DDT	7.020	6.181	183.4E6	1012.5E6	48.421	49.927
18)	B Endrin al...	6.912	6.257	147.7E6	749.4E6	48.194m	48.944
19)	B Endosulfa...	7.148	6.480	180.6E6	956.3E6	47.057	48.739
20)	A Methoxychlor	7.492	6.752	95723169	516.8E6	47.373	47.992
21)	B Endrin ke...	7.629	6.990	196.9E6	1071.3E6	48.348	49.591
22)	Mirex	8.112	7.183	146.0E6	834.0E6	48.014	50.006

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD070925\
Data File : PD089406.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Jul 2025 15:31
Operator : AR\AJ
Sample : Q2517-01MSD
Misc :
ALS Vial : 9 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

TP-14MSD

Manual Integrations

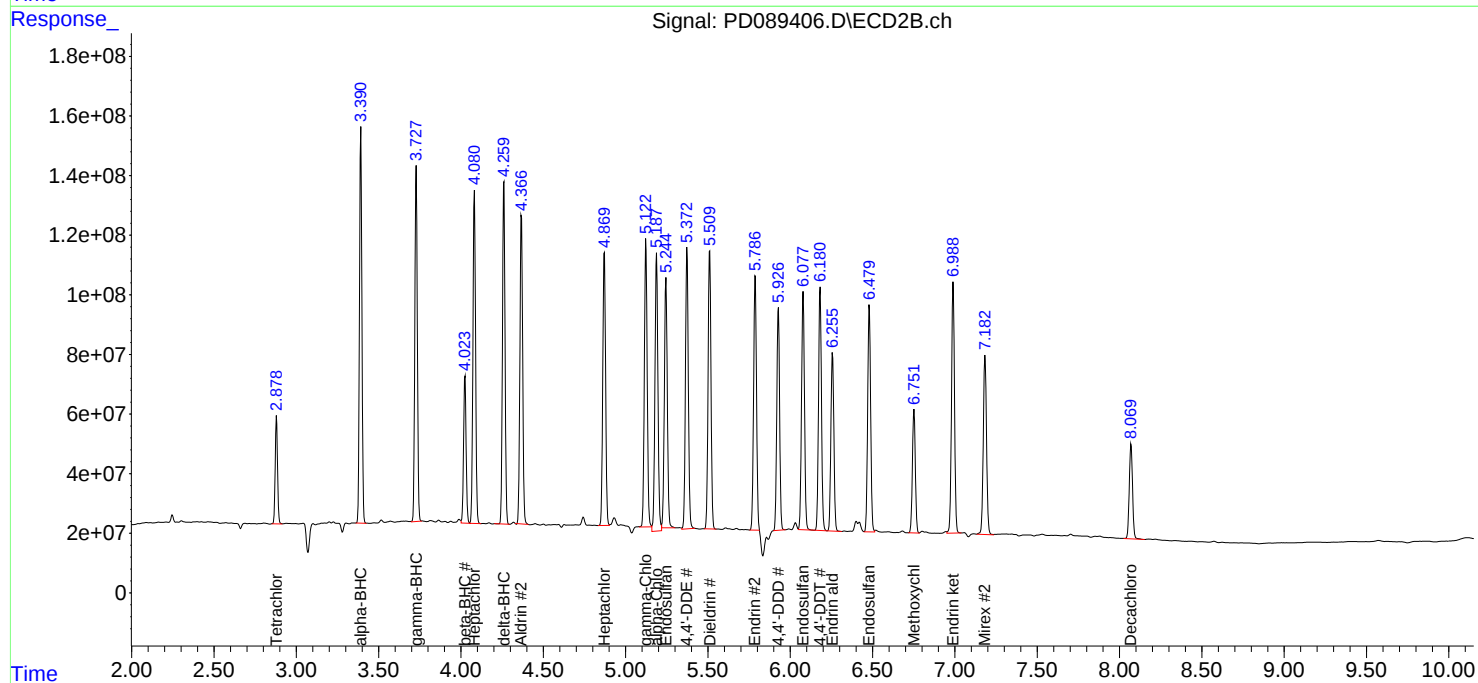
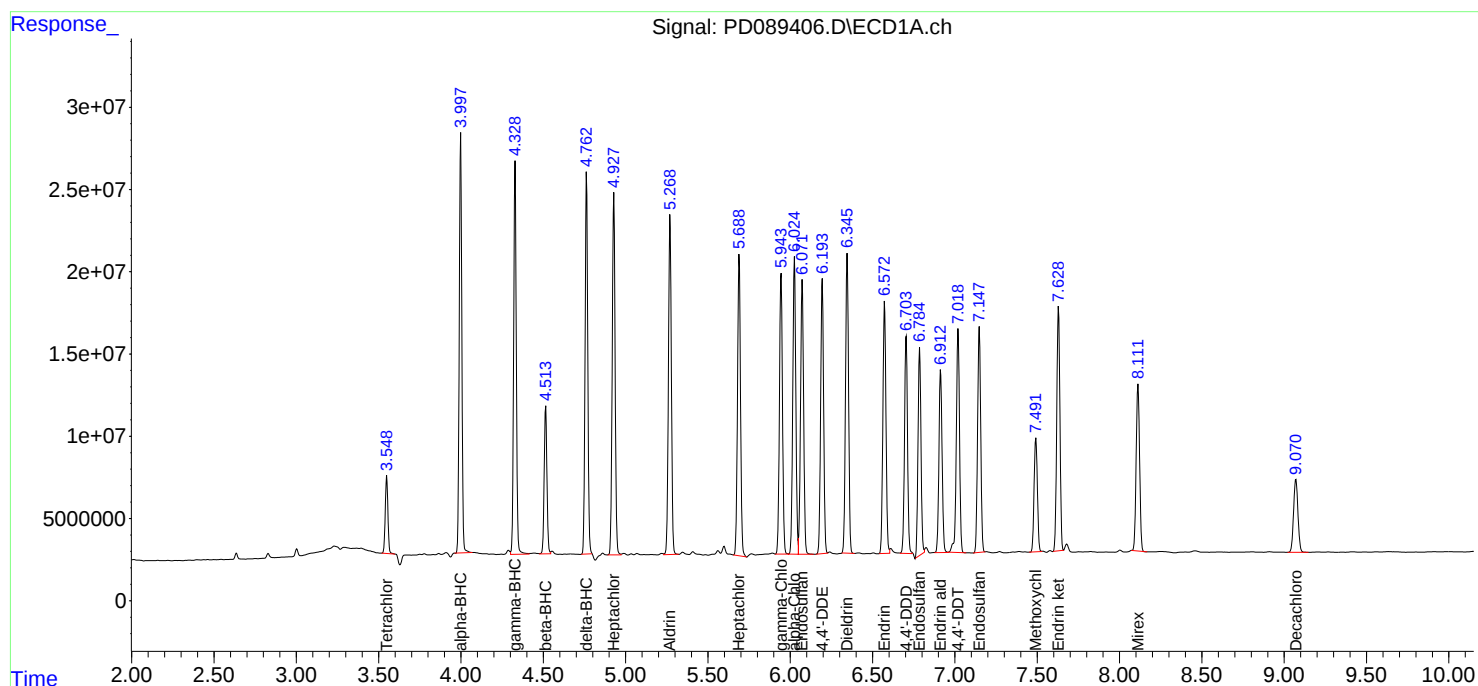
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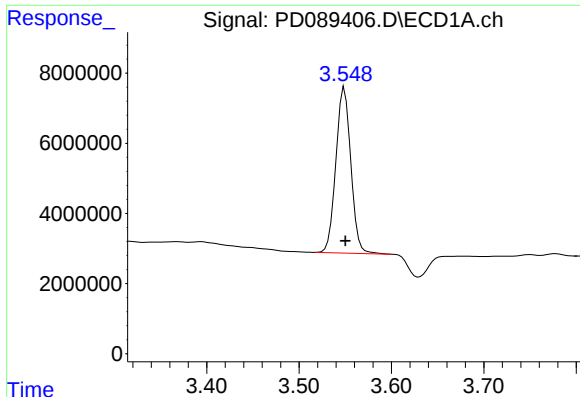
Reviewed By :Abdul Mirza 07/10/2025

Supervised By :mohammad ahmed 07/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 01:44:10 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





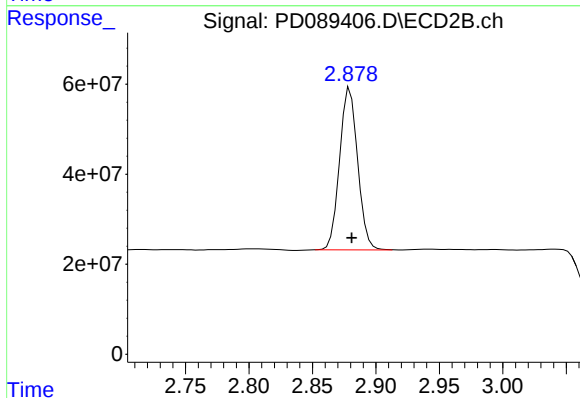
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 53119707
Conc: 18.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

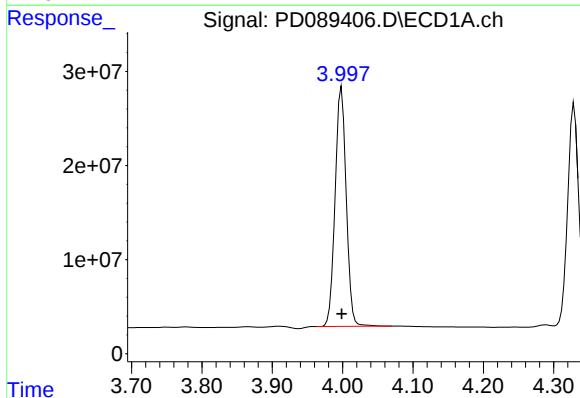
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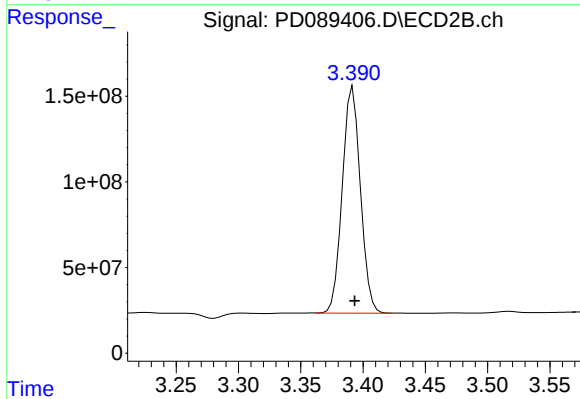
#1 Tetrachloro-m-xylene

R.T.: 2.878 min
Delta R.T.: -0.003 min
Response: 357250938
Conc: 21.07 ng/ml m



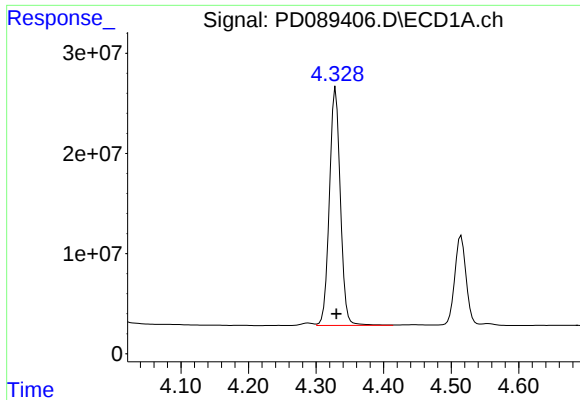
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.000 min
Response: 278918561
Conc: 47.85 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: -0.003 min
Response: 1345603317
Conc: 50.21 ng/ml m



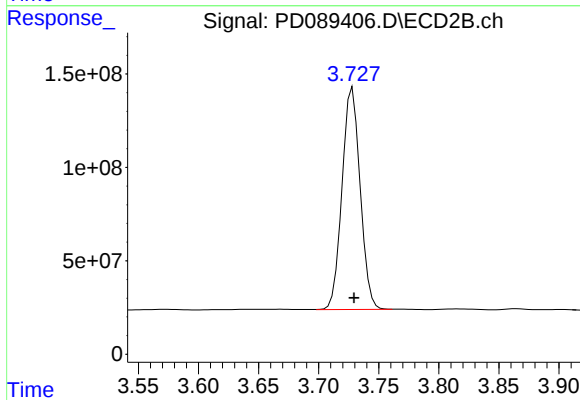
#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.000 min
Response: 269086369
Conc: 48.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

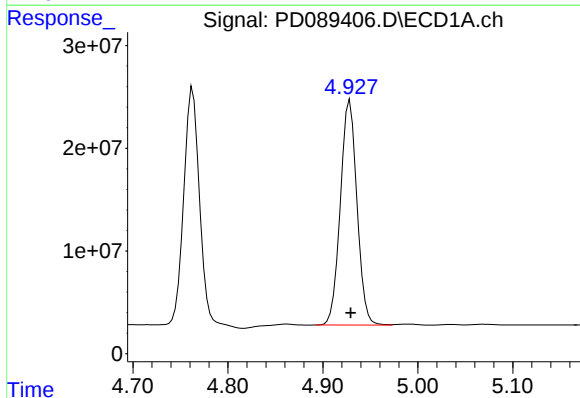
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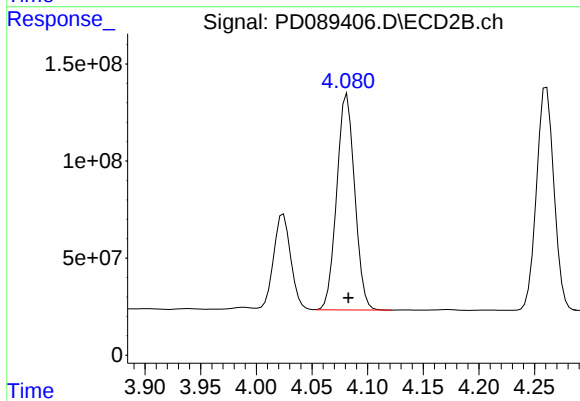
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.003 min
Response: 1247422472
Conc: 50.39 ng/ml m



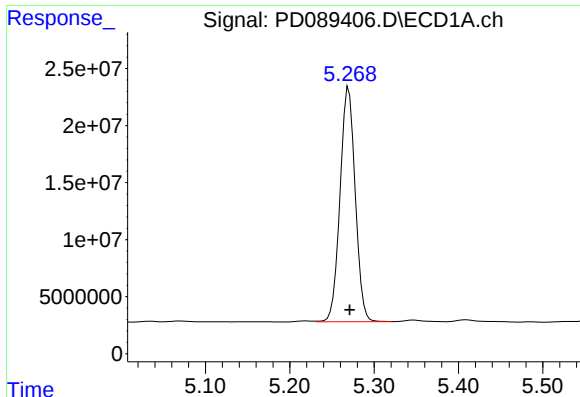
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 266788492
Conc: 48.93 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: -0.001 min
Response: 1250860179
Conc: 49.96 ng/ml



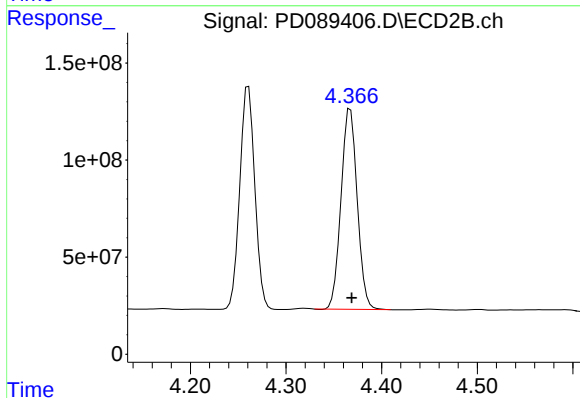
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 257069931
Conc: 48.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

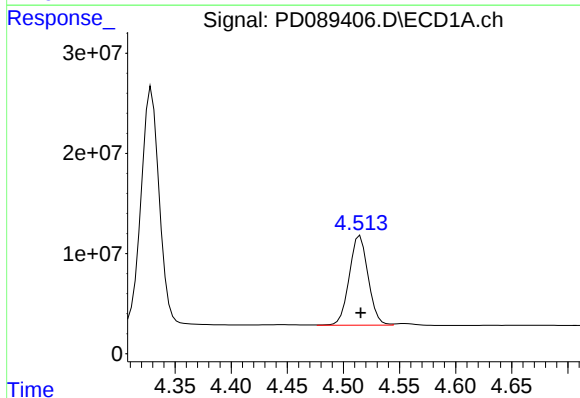
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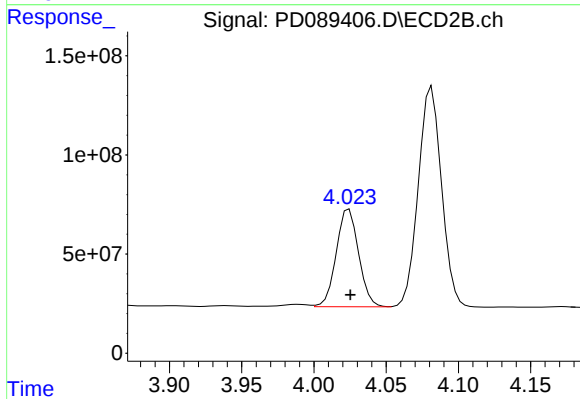
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1219066868
Conc: 50.34 ng/ml



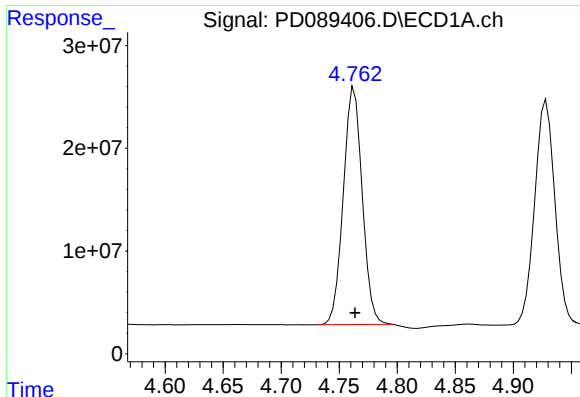
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 104470558
Conc: 47.33 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 530100768
Conc: 49.33 ng/ml



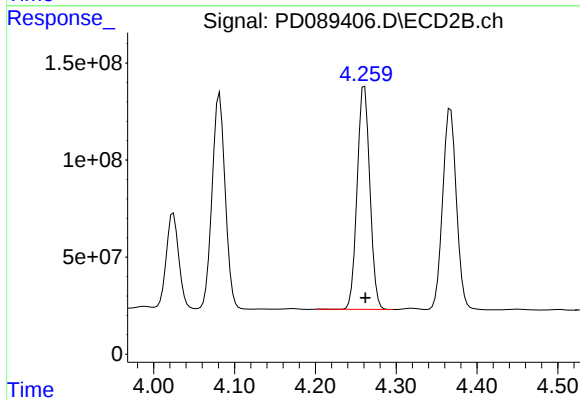
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.000 min
Response: 262612439
Conc: 51.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

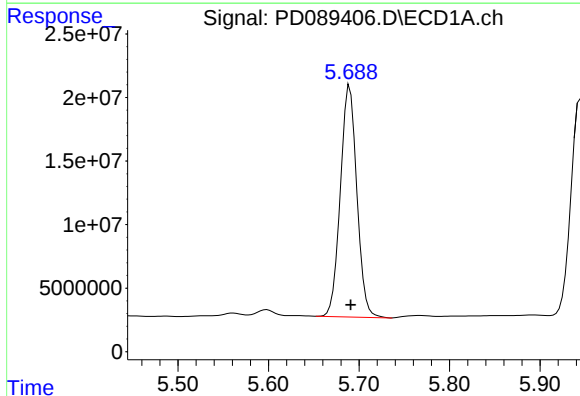
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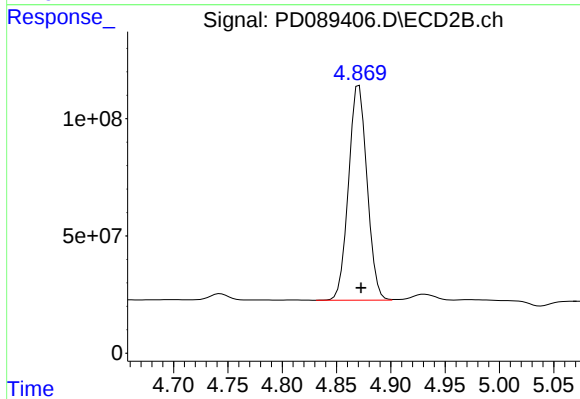
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: -0.001 min
Response: 1254489960
Conc: 50.43 ng/ml



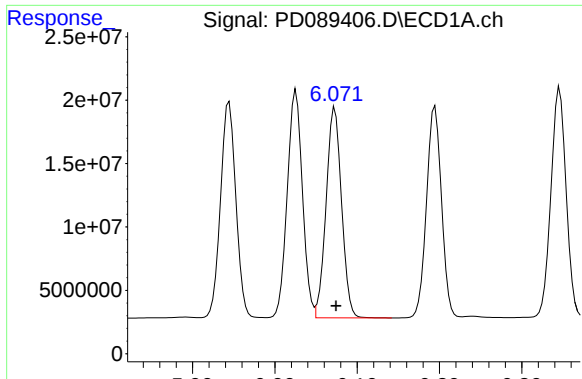
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.001 min
Response: 230987943
Conc: 47.88 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: -0.003 min
Response: 1088513344
Conc: 49.71 ng/ml m



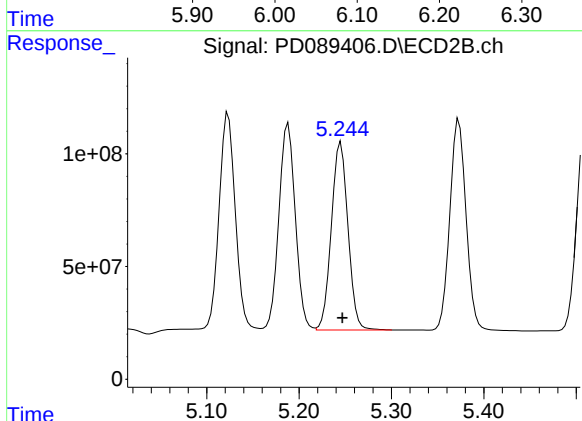
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: -0.001 min
Response: 217045777
Conc: 48.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

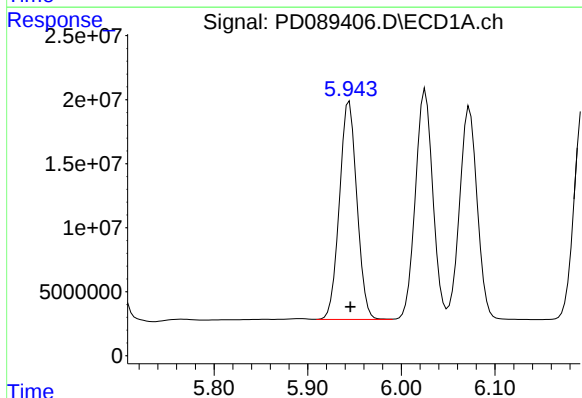
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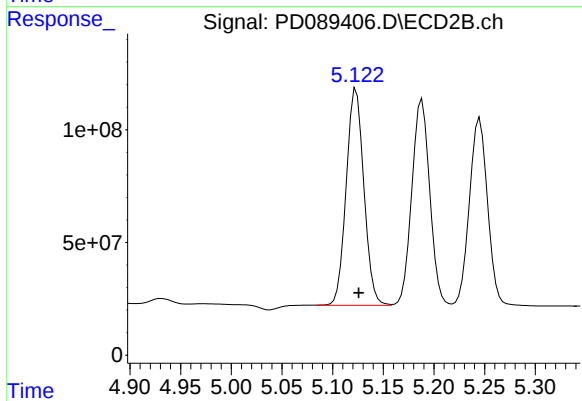
#9 Endosulfan I

R.T.: 5.244 min
Delta R.T.: -0.003 min
Response: 1041066988
Conc: 49.95 ng/ml m



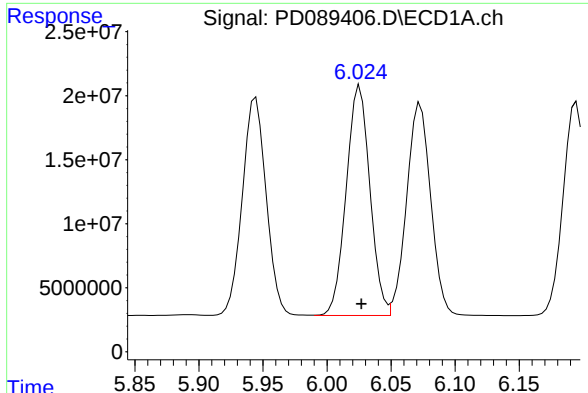
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: -0.001 min
Response: 220939445
Conc: 46.14 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: -0.004 min
Response: 1165890105
Conc: 48.74 ng/ml m



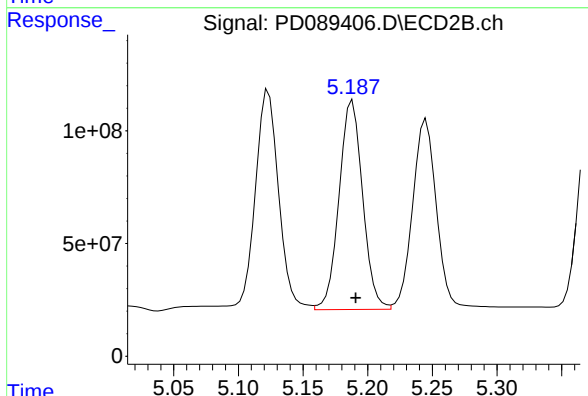
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: -0.001 min
Response: 231212315
Conc: 47.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

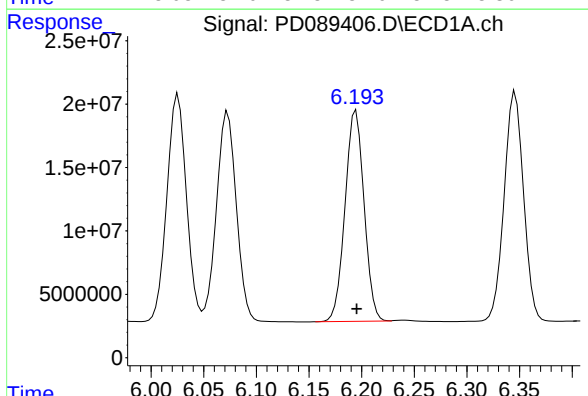
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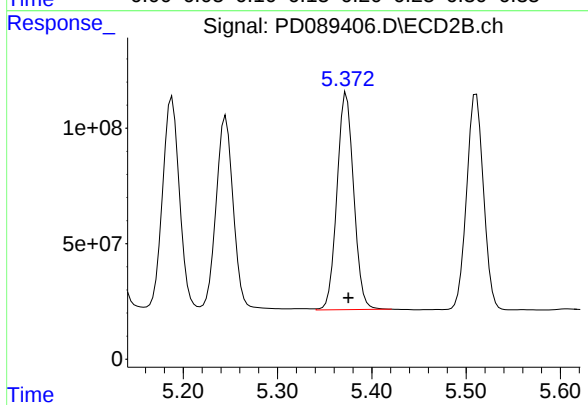
#11 alpha-Chlordane

R.T.: 5.188 min
Delta R.T.: -0.002 min
Response: 1175473477
Conc: 51.34 ng/ml



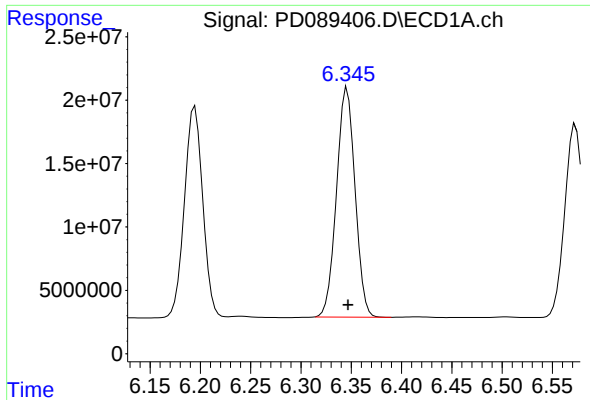
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 210241287
Conc: 48.21 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 1153444319
Conc: 50.33 ng/ml



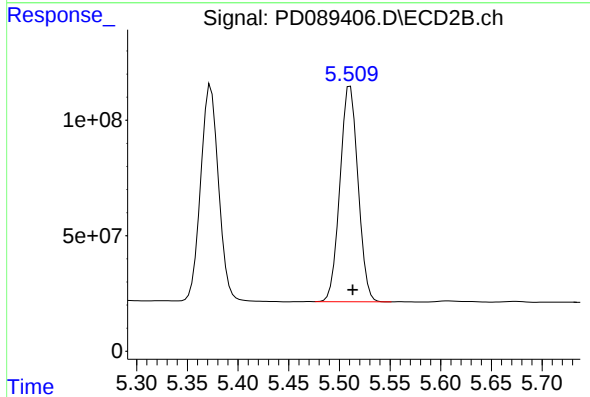
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 231671717
Conc: 48.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

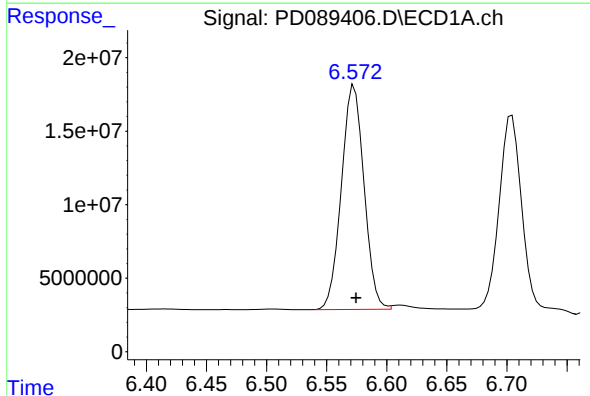
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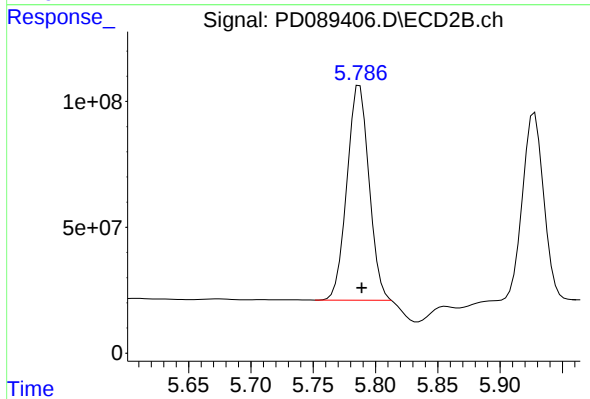
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1155913139
Conc: 49.81 ng/ml



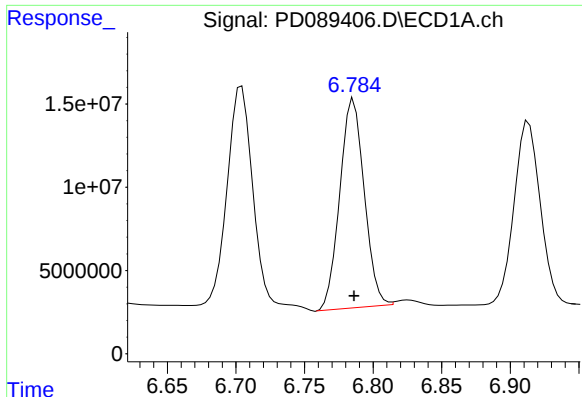
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 200332128
Conc: 48.56 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 1057048374
Conc: 48.68 ng/ml m



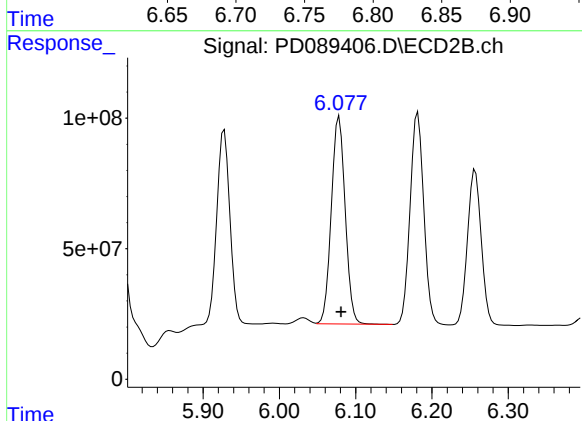
#15 Endosulfan II

R.T.: 6.786 min
Delta R.T.: 0.000 min
Response: 155617213
Conc: 38.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

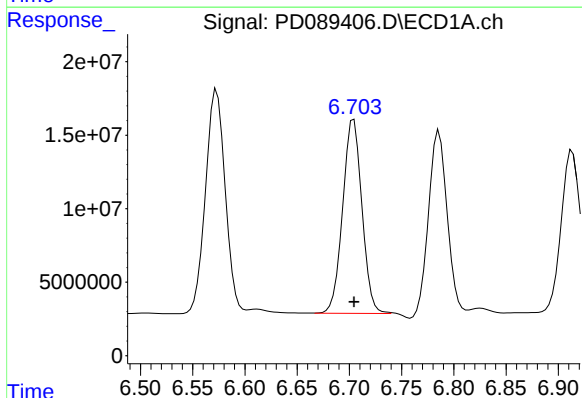
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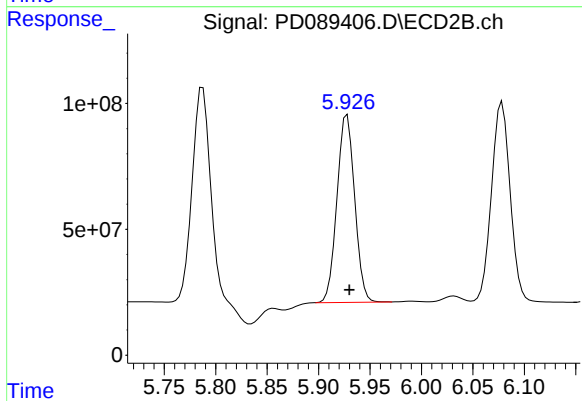
#15 Endosulfan II

R.T.: 6.078 min
Delta R.T.: -0.003 min
Response: 1003857633
Conc: 49.70 ng/ml



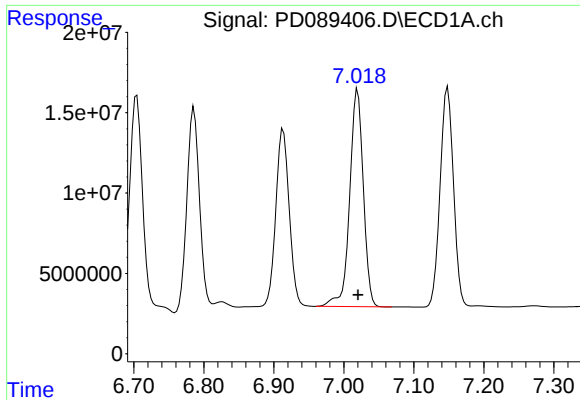
#16 4,4'-DDD

R.T.: 6.703 min
Delta R.T.: -0.002 min
Response: 169182853
Conc: 49.29 ng/ml m



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 890996387
Conc: 46.58 ng/ml



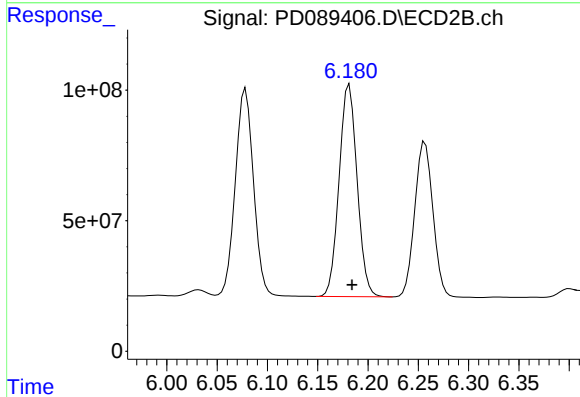
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 183428855
Conc: 48.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

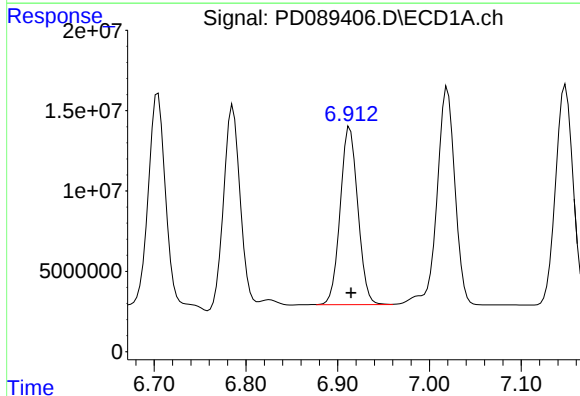
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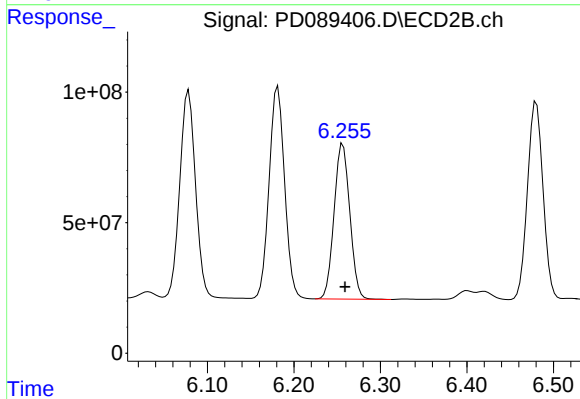
#17 4,4'-DDT

R.T.: 6.181 min
Delta R.T.: -0.003 min
Response: 1012488030
Conc: 49.93 ng/ml



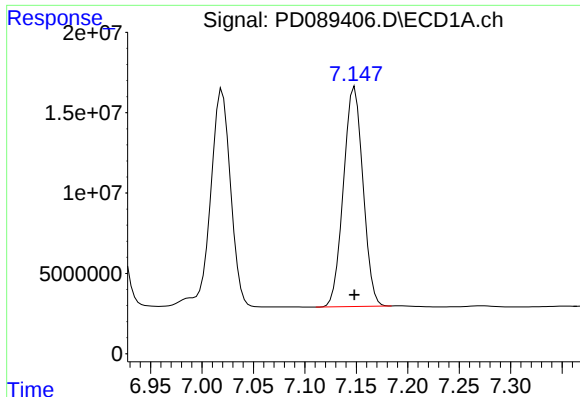
#18 Endrin aldehyde

R.T.: 6.912 min
Delta R.T.: -0.003 min
Response: 147664961
Conc: 48.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 749397845
Conc: 48.94 ng/ml



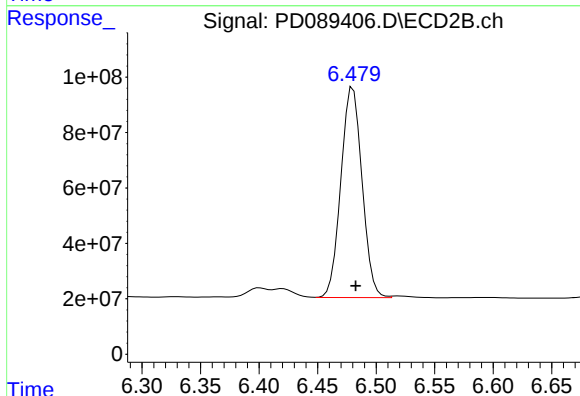
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.000 min
Response: 180566712
Conc: 47.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

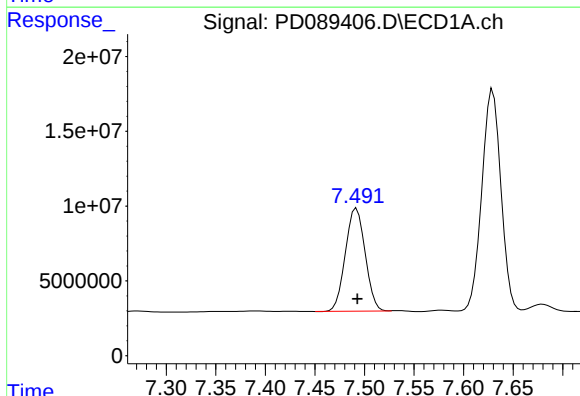
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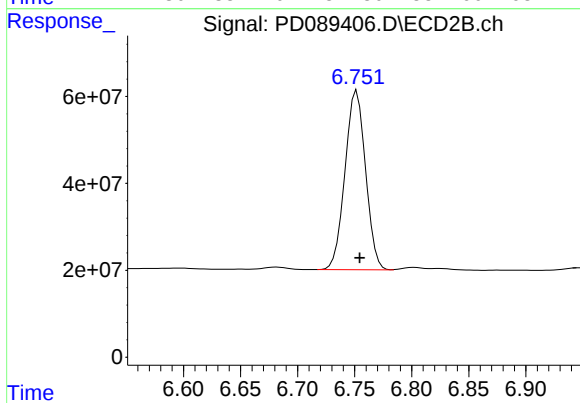
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 956303784
Conc: 48.74 ng/ml



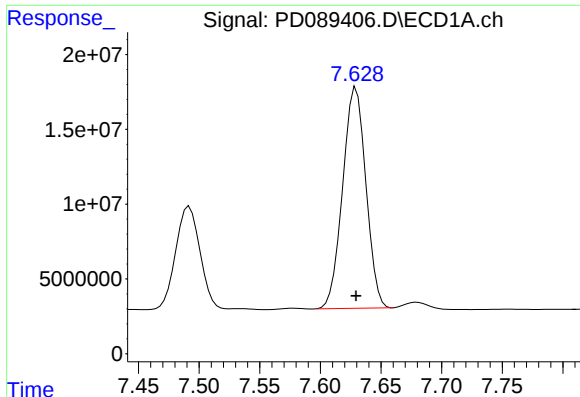
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.000 min
Response: 95723169
Conc: 47.37 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.003 min
Response: 516785640
Conc: 47.99 ng/ml



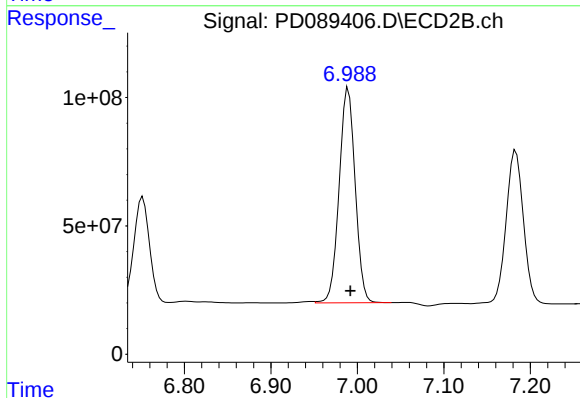
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 196923320
Conc: 48.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

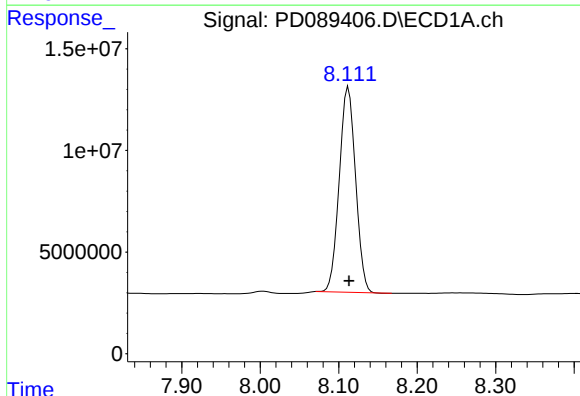
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



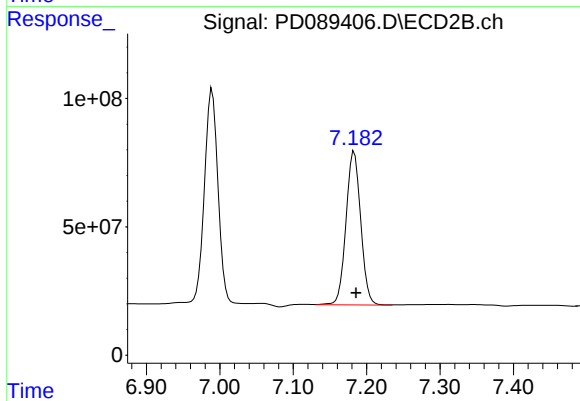
#21 Endrin ketone

R.T.: 6.990 min
Delta R.T.: -0.003 min
Response: 1071253828
Conc: 49.59 ng/ml



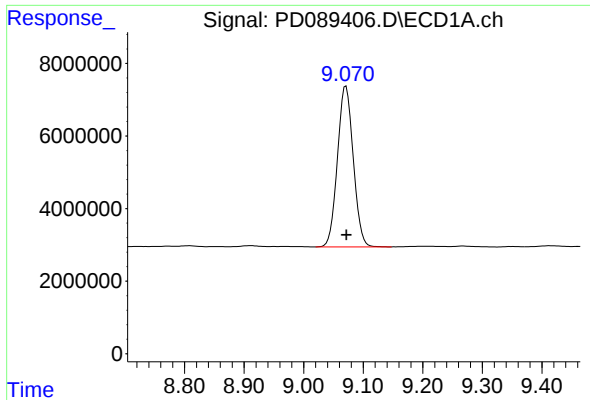
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 145968557
Conc: 48.01 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 834013317
Conc: 50.01 ng/ml



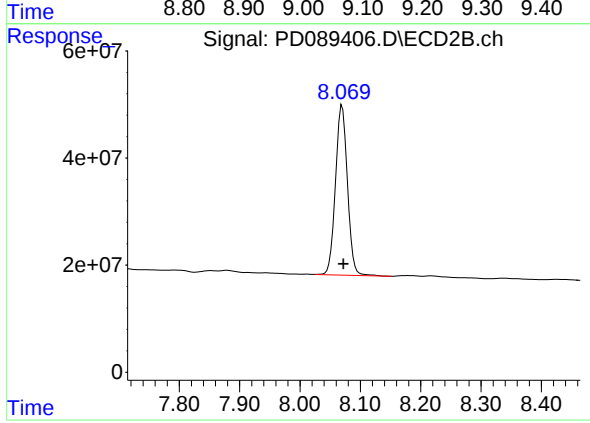
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 81639695
Conc: 20.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-14MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/10/2025
Supervised By :mohammad ahmed 07/11/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 435814710
Conc: 22.04 ng/ml