

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
 Data File : PD089442.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 10 Jul 2025 16:04
 Operator : AR\AJ
 Sample : Q2543-03MSD
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-23MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/11/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 10 23:02:00 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	2.879	48595532	327.3E6	17.032	19.304m
28)	SA Decachlor...	9.071	8.070	52650311	231.8E6	13.405	11.724
Target Compounds							
2)	A alpha-BHC	3.999	3.391	259.6E6	1264.8E6	44.529	47.199m
3)	MA gamma-BHC...	4.330	3.727	248.7E6	1166.1E6	44.562	47.104m
4)	MA Heptachlor	4.928	4.081	222.6E6	1125.9E6	40.825	44.968
5)	MB Aldrin	5.270	4.367	222.5E6	1140.5E6	41.886	47.094
6)	B beta-BHC	4.515	4.024	94006482	492.4E6	42.592	45.824
7)	B delta-BHC	4.764	4.261	233.2E6	1171.5E6	45.440	47.100
8)	B Heptachlo...	5.690	4.871	199.4E6	1027.5E6	41.326	46.923
9)	A Endosulfan I	6.073	5.245	177.9E6	938.0E6	39.474	45.004
10)	B gamma-Chl...	5.945	5.124	191.1E6	1082.6E6	39.913	45.254
11)	B alpha-Chl...	6.026	5.189	191.5E6	1023.2E6	39.577	44.687
12)	B 4,4'-DDE	6.195	5.373	168.3E6	997.1E6	38.598	43.512
13)	MA Dieldrin	6.346	5.511	186.1E6	1002.7E6	38.788	43.204
14)	MA Endrin	6.573	5.786	155.3E6	906.4E6	37.639	41.743m
15)	B Endosulfa...	6.785	6.079	142.9E6	804.8E6	35.397	39.846
16)	A 4,4'-DDD	6.704	5.928	131.4E6	767.1E6	38.284	40.098
17)	MA 4,4'-DDT	7.020	6.182	131.2E6	754.1E6	34.633	37.185
18)	B Endrin al...	6.914	6.257	111.6E6	591.5E6	36.434	38.635
19)	B Endosulfa...	7.149	6.480	139.8E6	759.6E6	36.425	38.712
20)	A Methoxychlor	7.492	6.752	65869249	363.9E6	32.598	33.791
21)	B Endrin ke...	7.629	6.989	143.3E6	780.8E6	35.174	36.145
22)	Mirex	8.112	7.183	107.9E6	551.6E6	35.487	33.074

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD071025\
Data File : PD089442.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 10 Jul 2025 16:04
Operator : AR\AJ
Sample : Q2543-03MSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

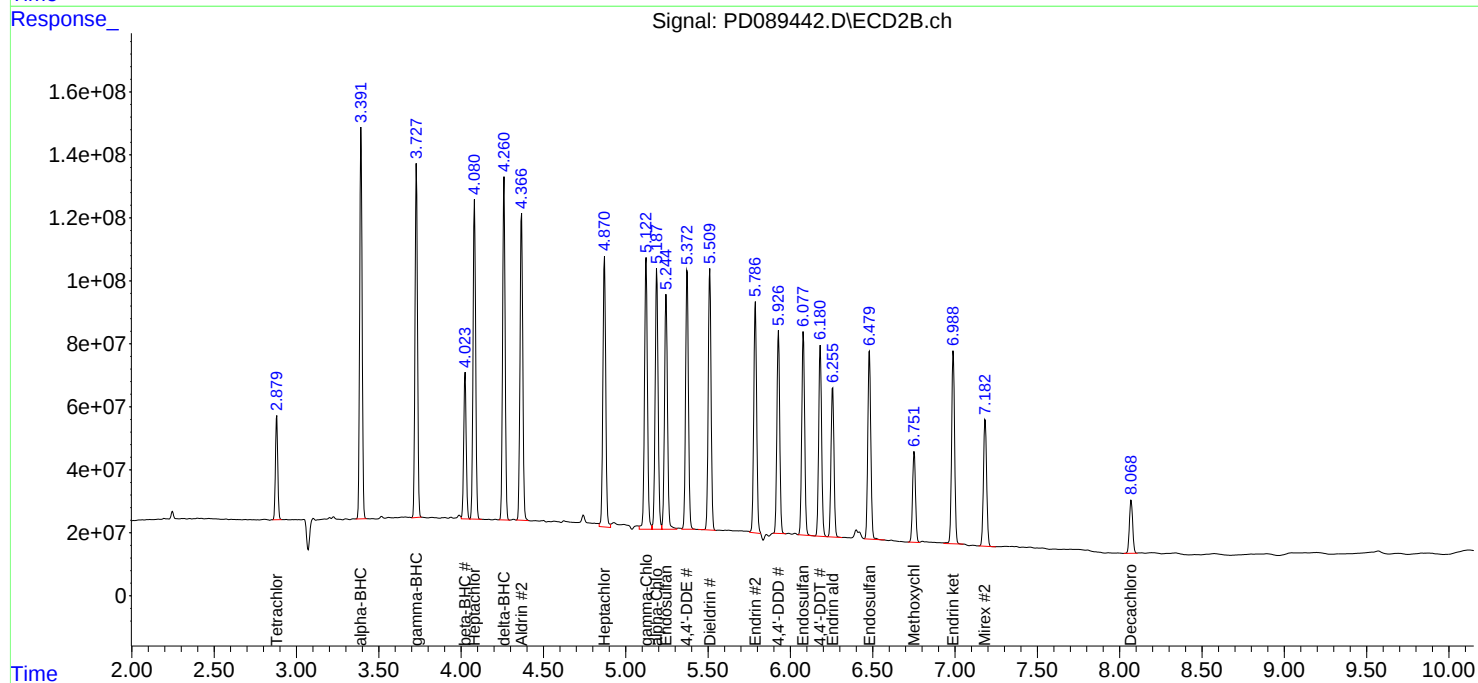
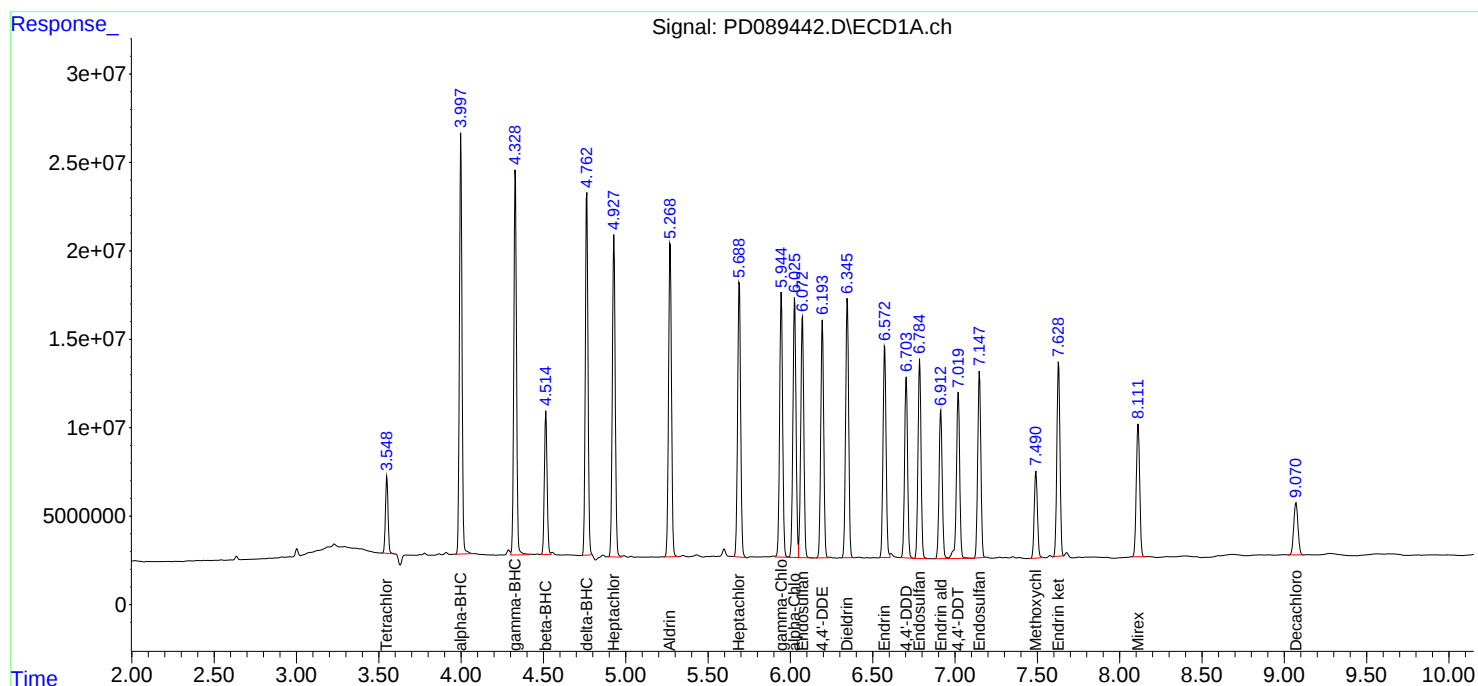
Instrument :
ECD_D
ClientSampleId :
TP-23MSD

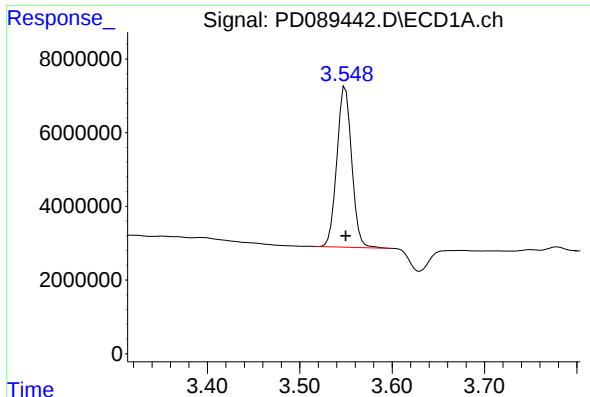
Manual Integrations
APPROVED

Reviewed By : Abdul Mirza 07/11/2025
Supervised By : mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jul 10 23:02:00 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





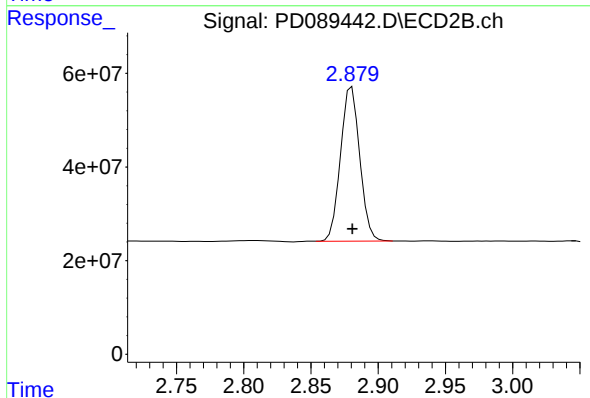
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 48595532
Conc: 17.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

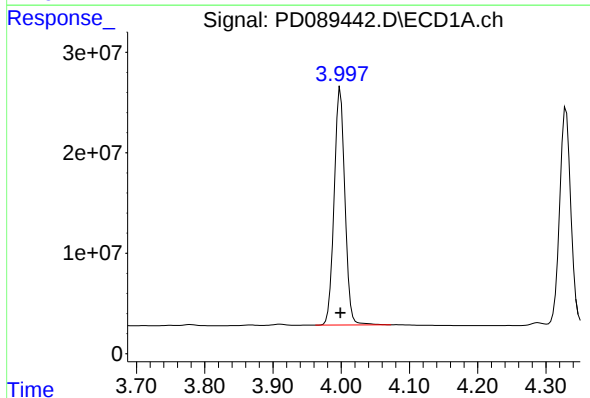
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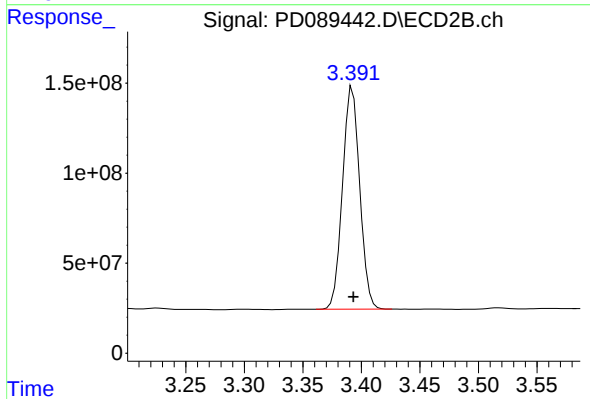
#1 Tetrachloro-m-xylene

R.T.: 2.879 min
Delta R.T.: -0.002 min
Response: 327266274
Conc: 19.30 ng/ml m



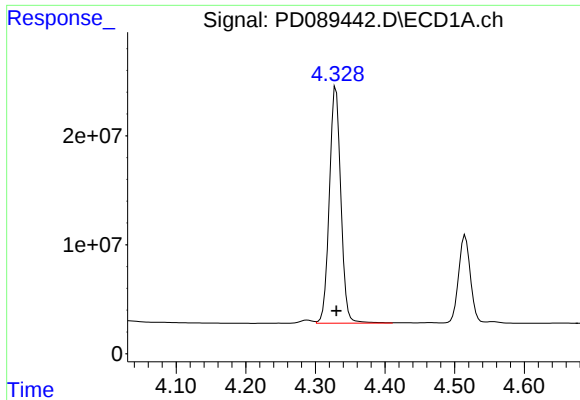
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.000 min
Response: 259561754
Conc: 44.53 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 1264805353
Conc: 47.20 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.000 min
Response: 248731938
Conc: 44.56 ng/ml

Instrument :

ECD_D

ClientSampleId :

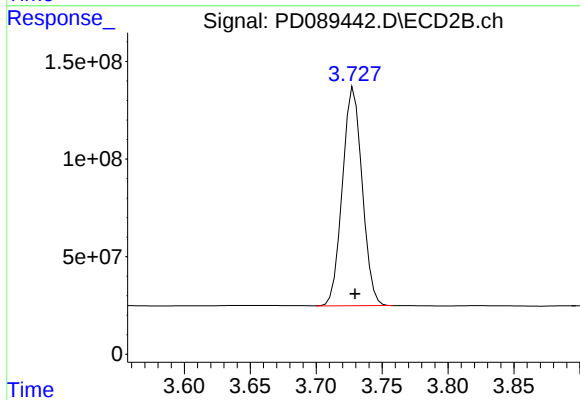
TP-23MSD

Manual Integrations

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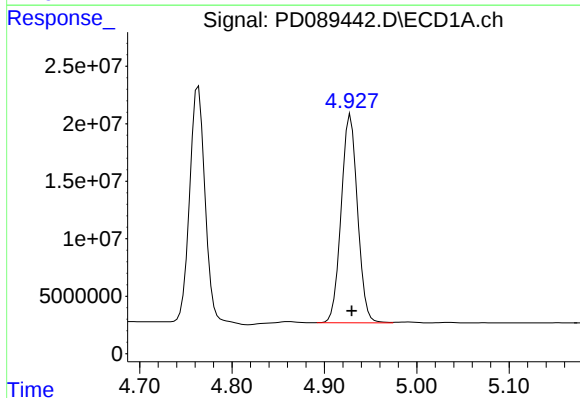
Reviewed By :Abdul Mirza 07/11/2025

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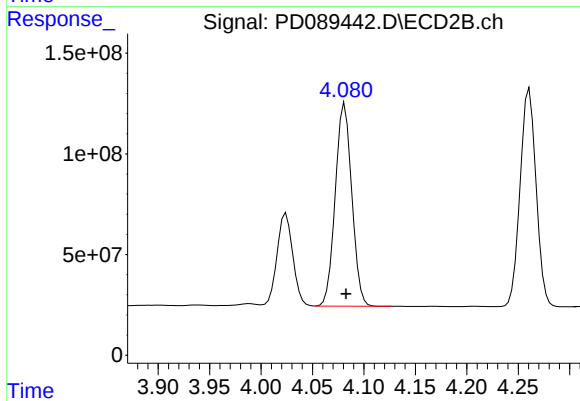
#3 gamma-BHC (Lindane)

R.T.: 3.727 min
Delta R.T.: -0.002 min
Response: 1166144336
Conc: 47.10 ng/ml m



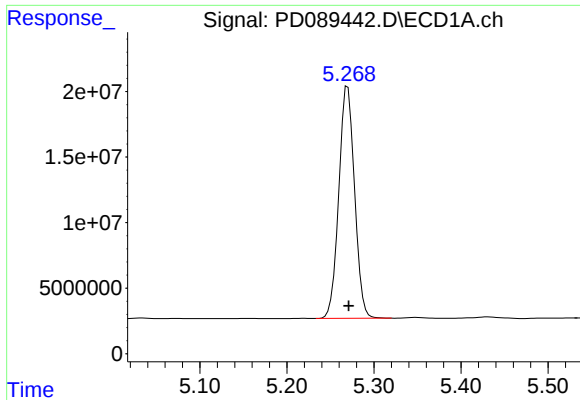
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: -0.001 min
Response: 222579076
Conc: 40.83 ng/ml



#4 Heptachlor

R.T.: 4.081 min
Delta R.T.: -0.001 min
Response: 1125916248
Conc: 44.97 ng/ml



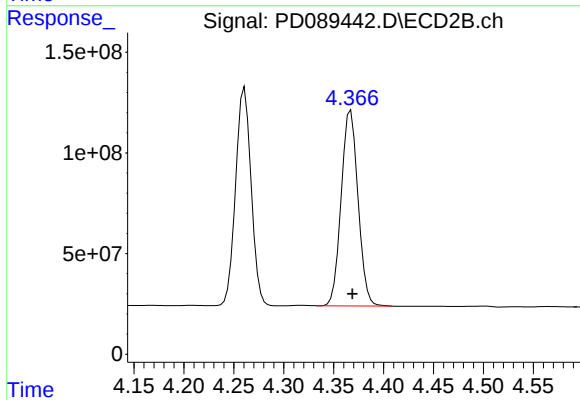
#5 Aldrin

R.T.: 5.270 min
Delta R.T.: -0.001 min
Response: 222539316
Conc: 41.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

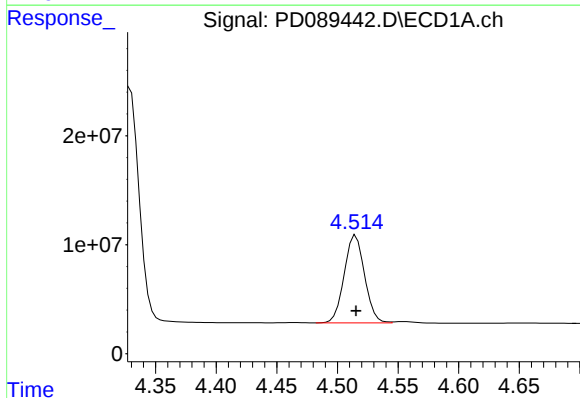
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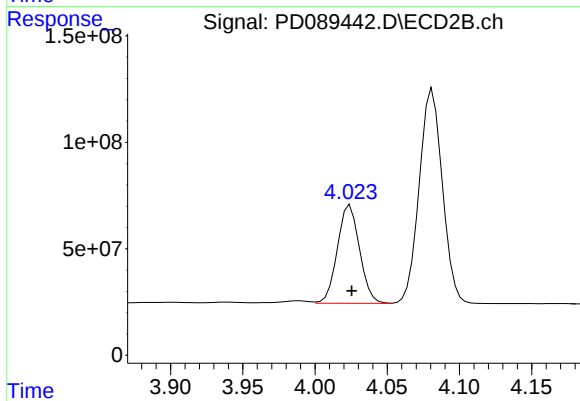
#5 Aldrin

R.T.: 4.367 min
Delta R.T.: -0.002 min
Response: 1140479639
Conc: 47.09 ng/ml



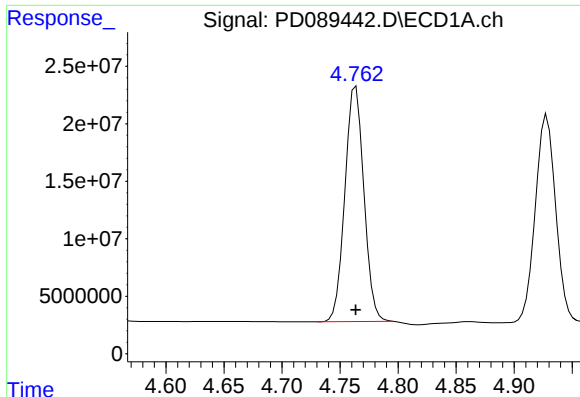
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.000 min
Response: 94006482
Conc: 42.59 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 492438279
Conc: 45.82 ng/ml



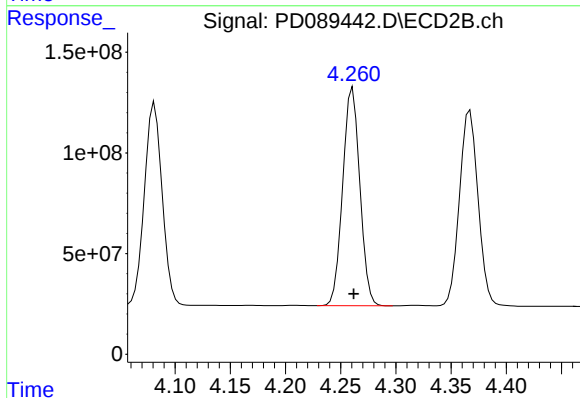
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.000 min
Response: 233238705
Conc: 45.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

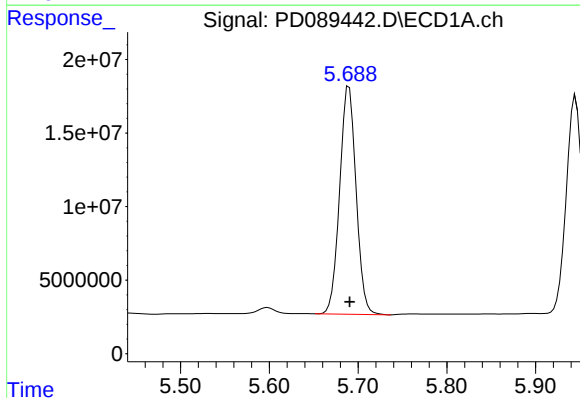
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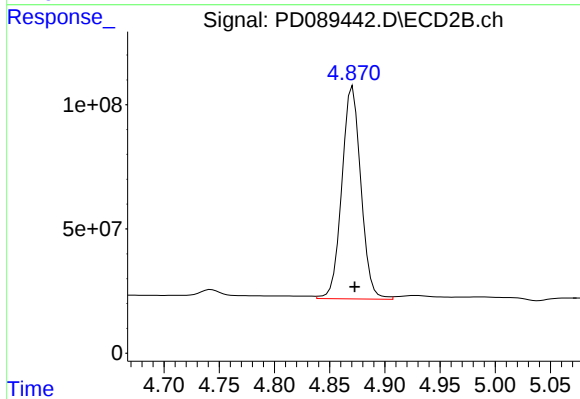
#7 delta-BHC

R.T.: 4.261 min
Delta R.T.: 0.000 min
Response: 1171541687
Conc: 47.10 ng/ml



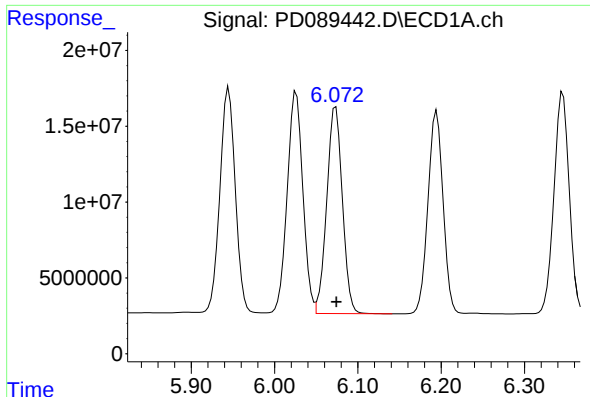
#8 Heptachlor epoxide

R.T.: 5.690 min
Delta R.T.: -0.001 min
Response: 199356188
Conc: 41.33 ng/ml



#8 Heptachlor epoxide

R.T.: 4.871 min
Delta R.T.: -0.002 min
Response: 1027525767
Conc: 46.92 ng/ml



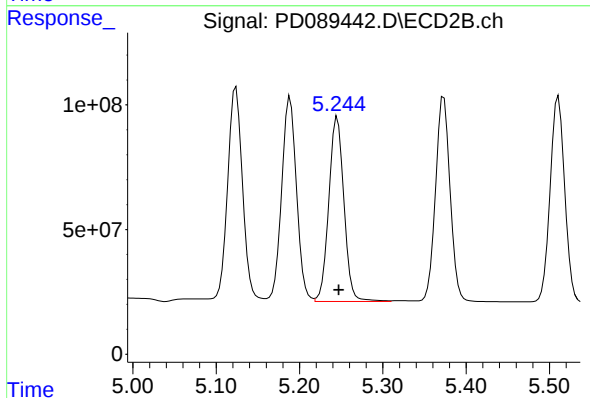
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 177928601
Conc: 39.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

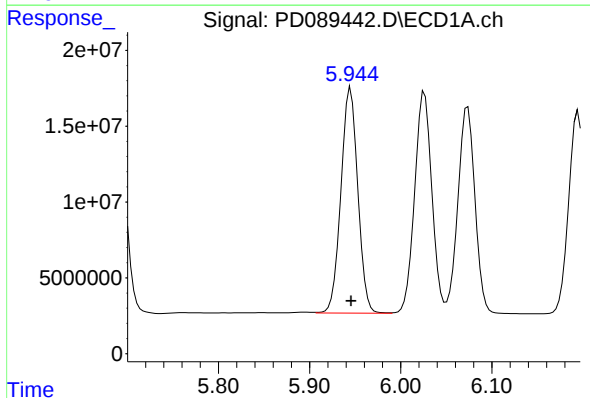
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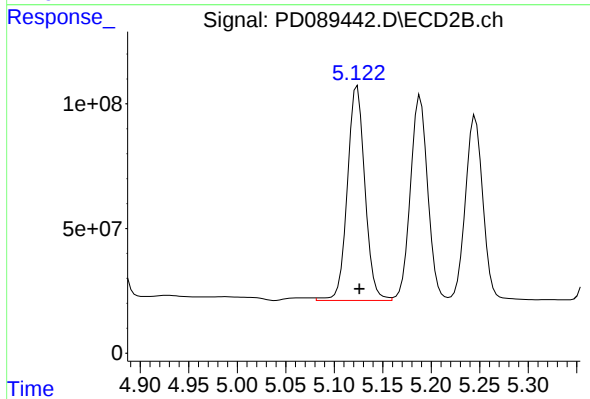
#9 Endosulfan I

R.T.: 5.245 min
Delta R.T.: -0.002 min
Response: 938000005
Conc: 45.00 ng/ml



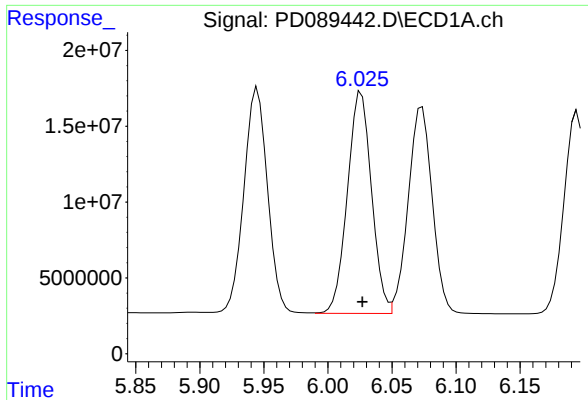
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.000 min
Response: 191106645
Conc: 39.91 ng/ml



#10 gamma-Chlordane

R.T.: 5.124 min
Delta R.T.: -0.002 min
Response: 1082592927
Conc: 45.25 ng/ml



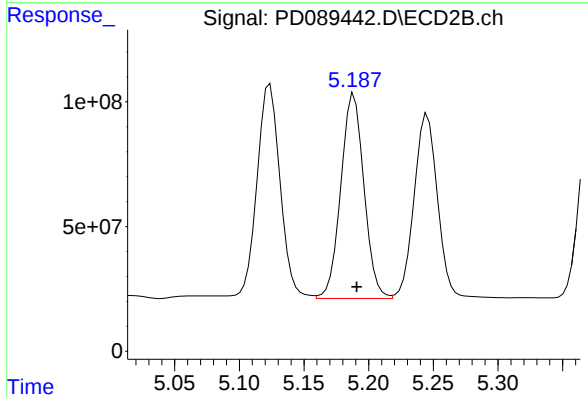
#11 alpha-Chlordane

R.T.: 6.026 min
Delta R.T.: 0.000 min
Response: 191495808
Conc: 39.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

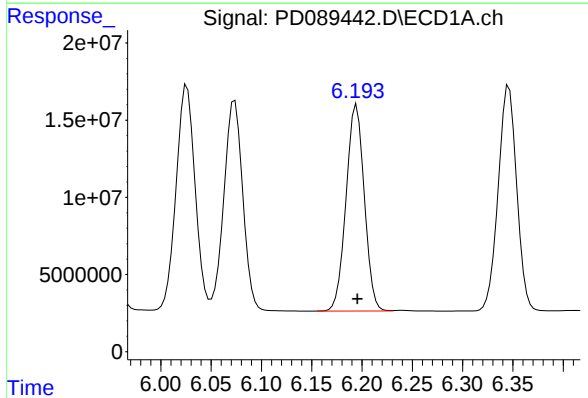
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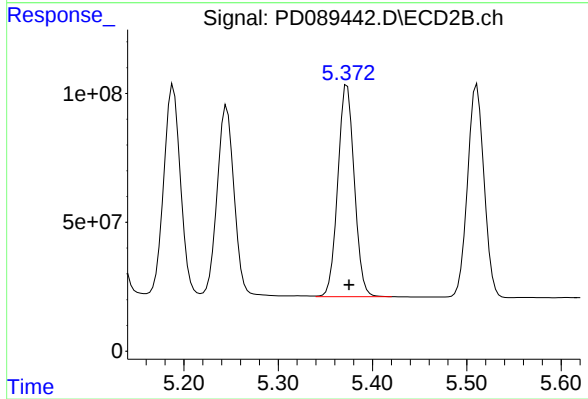
#11 alpha-Chlordane

R.T.: 5.189 min
Delta R.T.: -0.002 min
Response: 1023200202
Conc: 44.69 ng/ml



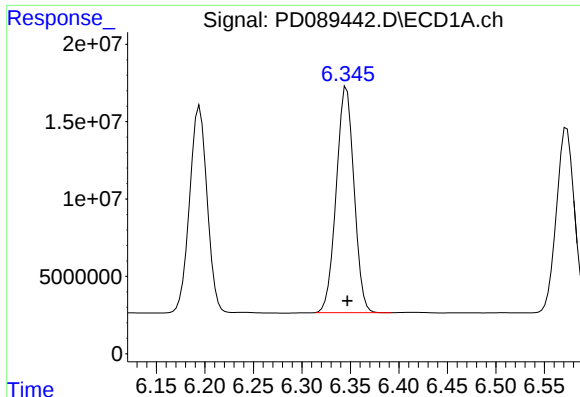
#12 4,4'-DDE

R.T.: 6.195 min
Delta R.T.: 0.000 min
Response: 168328481
Conc: 38.60 ng/ml



#12 4,4'-DDE

R.T.: 5.373 min
Delta R.T.: -0.002 min
Response: 997123944
Conc: 43.51 ng/ml



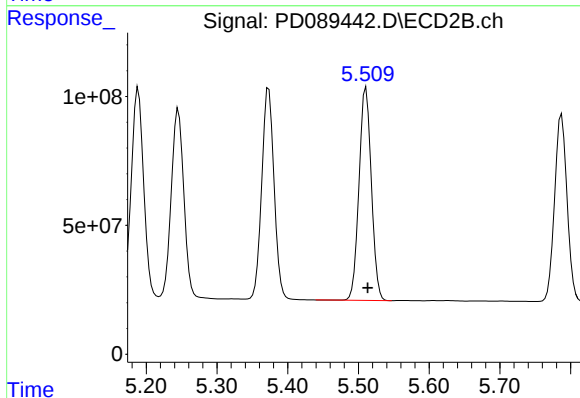
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.000 min
Response: 186084284
Conc: 38.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

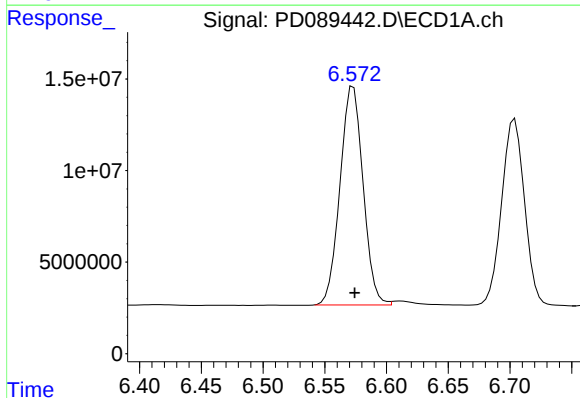
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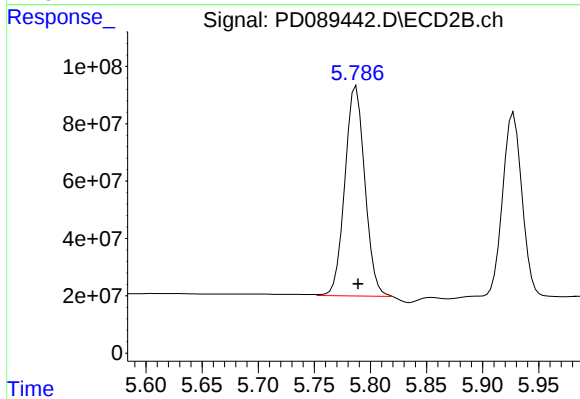
#13 Dieldrin

R.T.: 5.511 min
Delta R.T.: -0.002 min
Response: 1002706673
Conc: 43.20 ng/ml



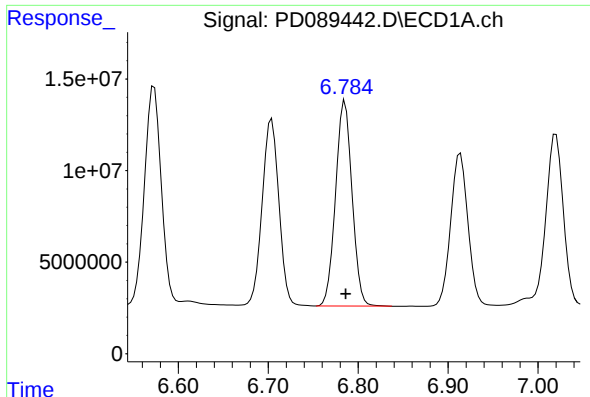
#14 Endrin

R.T.: 6.573 min
Delta R.T.: -0.001 min
Response: 155282139
Conc: 37.64 ng/ml



#14 Endrin

R.T.: 5.786 min
Delta R.T.: -0.003 min
Response: 906397012
Conc: 41.74 ng/ml m



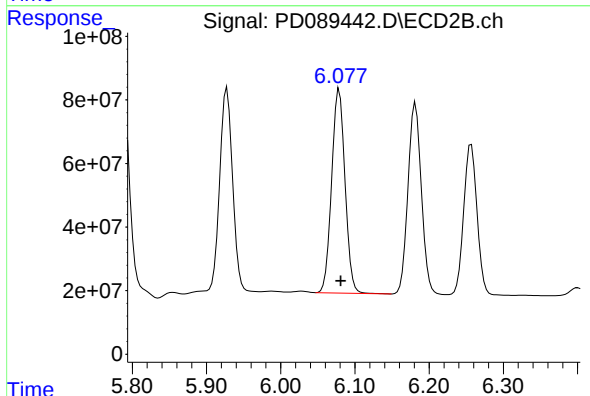
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.000 min
Response: 142885295
Conc: 35.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

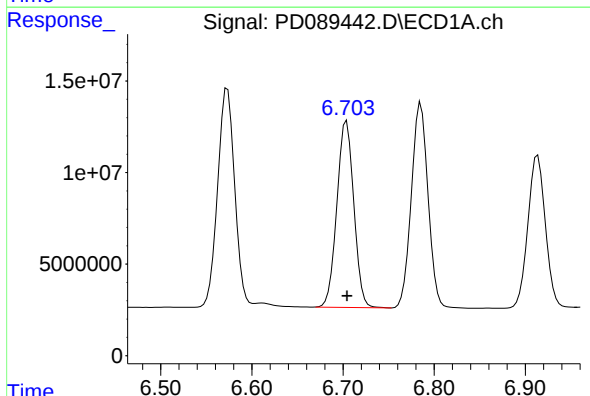
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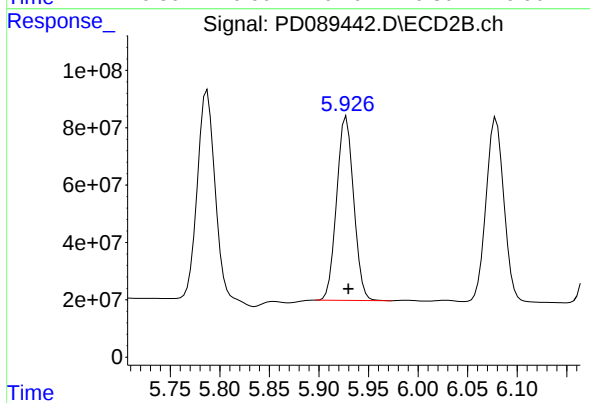
#15 Endosulfan II

R.T.: 6.079 min
Delta R.T.: -0.002 min
Response: 804752626
Conc: 39.85 ng/ml



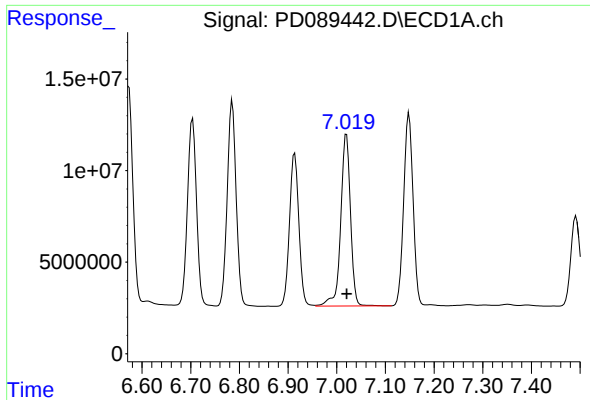
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.000 min
Response: 131393868
Conc: 38.28 ng/ml



#16 4,4'-DDD

R.T.: 5.928 min
Delta R.T.: -0.002 min
Response: 767054003
Conc: 40.10 ng/ml



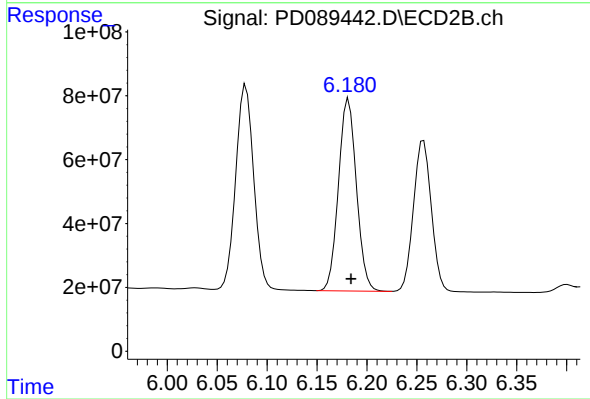
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.000 min
Response: 131195964
Conc: 34.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

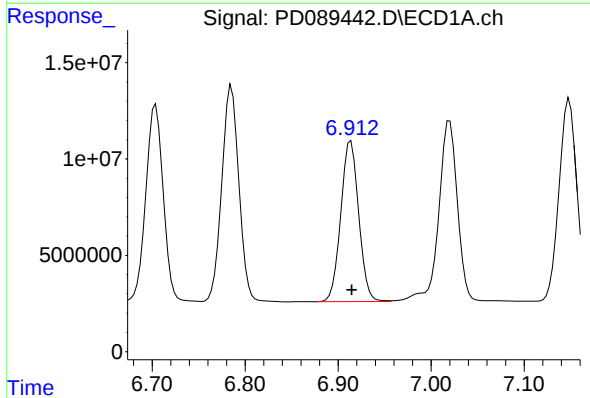
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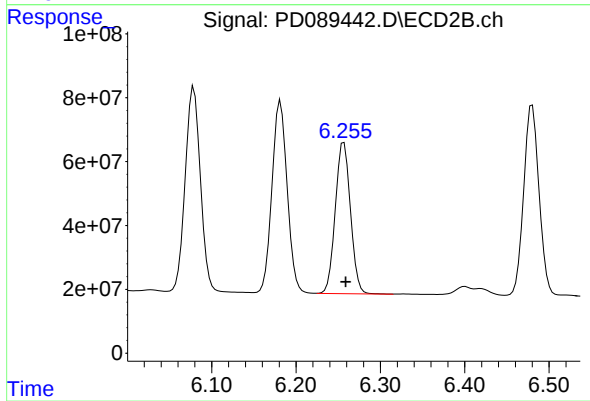
#17 4,4'-DDT

R.T.: 6.182 min
Delta R.T.: -0.003 min
Response: 754081158
Conc: 37.18 ng/ml



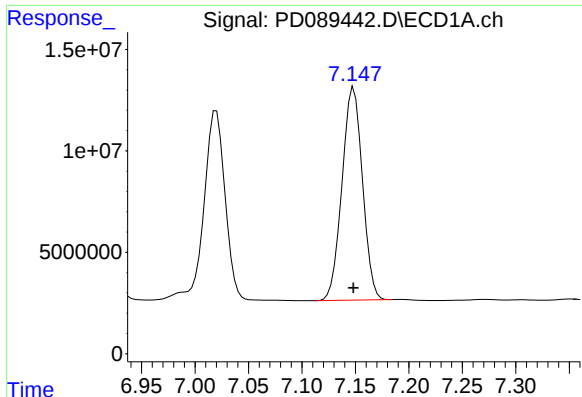
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.000 min
Response: 111630913
Conc: 36.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.257 min
Delta R.T.: -0.002 min
Response: 591547895
Conc: 38.63 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.000 min
Response: 139769342
Conc: 36.42 ng/ml

Instrument :

ECD_D

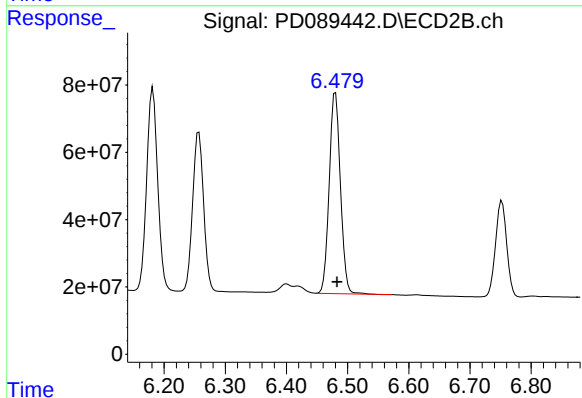
ClientSampleId :

TP-23MSD

Manual Integrations

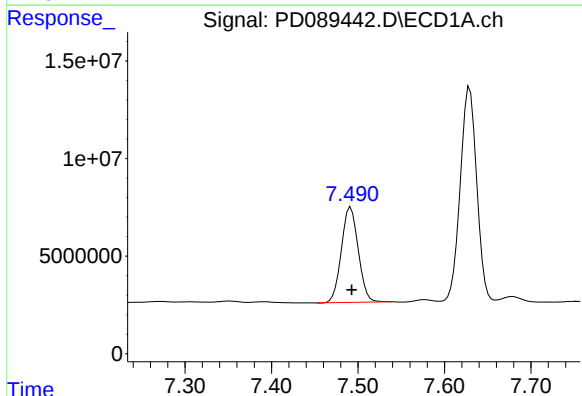
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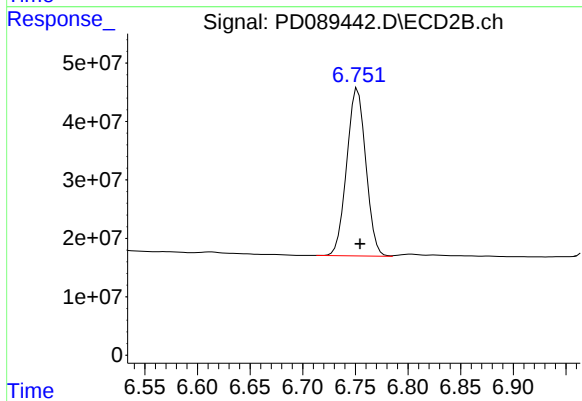
#19 Endosulfan Sulfate

R.T.: 6.480 min
Delta R.T.: -0.002 min
Response: 759577150
Conc: 38.71 ng/ml



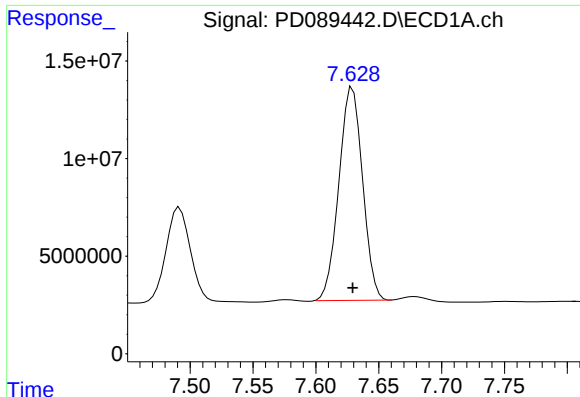
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: -0.001 min
Response: 65869249
Conc: 32.60 ng/ml



#20 Methoxychlor

R.T.: 6.752 min
Delta R.T.: -0.002 min
Response: 363866992
Conc: 33.79 ng/ml



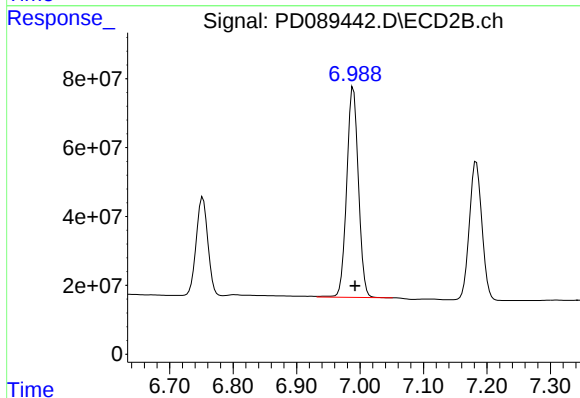
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.000 min
Response: 143266939
Conc: 35.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

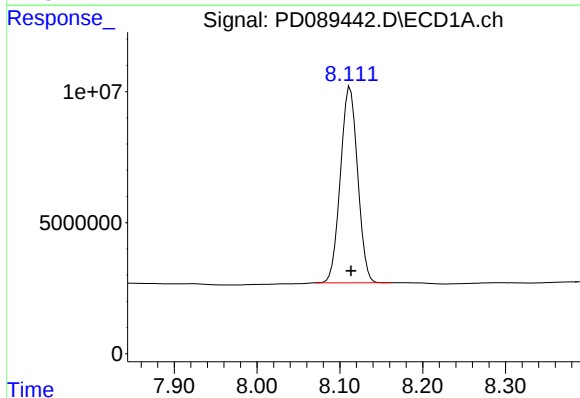
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 07/11/2025
Supervised By :mohammad ahmed 07/15/2025



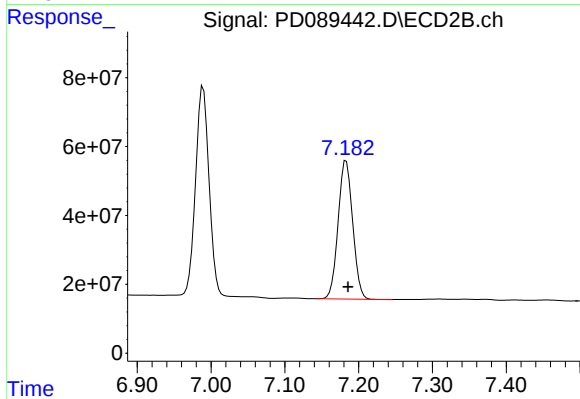
#21 Endrin ketone

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 780794565
Conc: 36.14 ng/ml



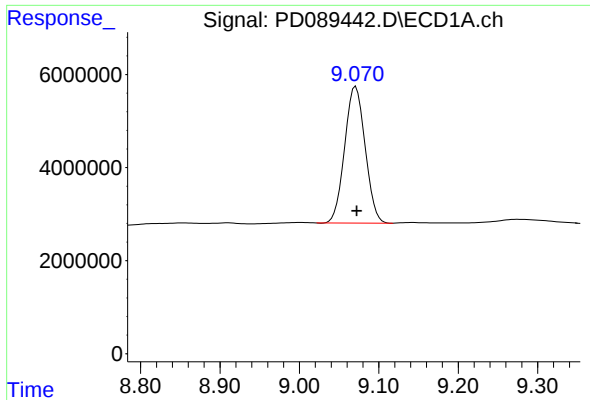
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.000 min
Response: 107886141
Conc: 35.49 ng/ml



#22 Mirex

R.T.: 7.183 min
Delta R.T.: -0.003 min
Response: 551612248
Conc: 33.07 ng/ml



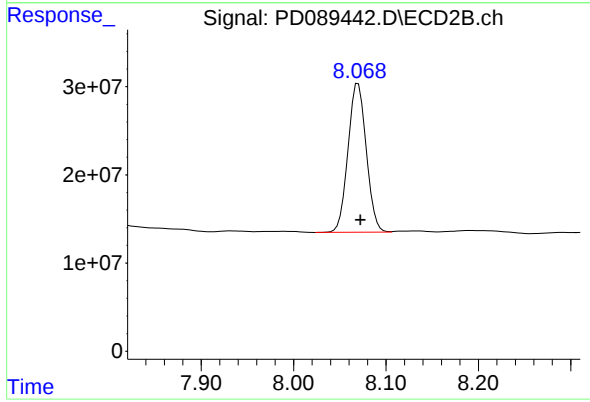
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.000 min
Response: 52650311
Conc: 13.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-23MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 07/15/2025



#28 Decachlorobiphenyl

R.T.: 8.070 min
Delta R.T.: -0.002 min
Response: 231782014
Conc: 11.72 ng/ml