

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
 Data File : PD090089.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Aug 2025 14:20
 Operator : AR\AJ
 Sample : Q2986-03MS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 NORTH-TP-2MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/02/2025
 Supervised By : mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 29 23:20:27 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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	2.877	40821278	309.8E6	13.909	14.049m
28)	SA Decachlor...	9.071	8.066	53837025	262.8E6	12.474	10.152
Target Compounds							
2)	A alpha-BHC	3.999	3.388	253.9E6	1371.8E6	42.298	40.419m
3)	MA gamma-BHC...	4.329	3.726	241.1E6	1277.6E6	42.096	40.988
4)	MA Heptachlor	4.927	4.079	228.6E6	1261.0E6	40.759	40.428
5)	MB Aldrin	5.269	4.364	238.8E6	1296.8E6	44.108	42.580
6)	B beta-BHC	4.515	4.022	92369993	550.5E6	41.181	41.295
7)	B delta-BHC	4.763	4.258	184.8E6	1054.8E6	35.696	33.434
8)	B Heptachlo...	5.689	4.868	199.7E6	1120.2E6	40.694	40.447
9)	A Endosulfan I	6.073	5.242	185.8E6	1047.5E6	40.262	39.950
10)	B gamma-Chl...	5.945	5.121	197.0E6	1177.3E6	40.286	39.759
11)	B alpha-Chl...	6.025	5.185	196.8E6	1128.4E6	39.981	39.540
12)	B 4,4'-DDE	6.194	5.370	178.9E6	1152.5E6	40.777	39.987
13)	MA Dieldrin	6.345	5.508	202.4E6	1185.2E6	41.336	40.469
14)	MA Endrin	6.573	5.784	158.2E6	990.6E6	38.169	37.197
15)	B Endosulfa...	6.785	6.076	165.9E6	962.9E6	39.323	38.066
16)	A 4,4'-DDD	6.704	5.924	139.7E6	927.7E6	40.395	38.582
17)	MA 4,4'-DDT	7.020	6.178	138.2E6	872.3E6	36.280	34.793
18)	B Endrin al...	6.914	6.253	125.6E6	710.5E6	43.790	41.259
19)	B Endosulfa...	7.149	6.477	147.8E6	869.9E6	37.712	35.680
20)	A Methoxychlor	7.492	6.749	70198849	434.9E6	35.001	33.725
21)	B Endrin ke...	7.629	6.986	166.0E6	927.3E6	40.055	34.801
22)	Mirex	8.112	7.179	118.9E6	676.9E6	37.688	32.772

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
Data File : PD090089.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Aug 2025 14:20
Operator : AR\AJ
Sample : Q2986-03MS
Misc :
ALS Vial : 12 Sample Multiplier: 1

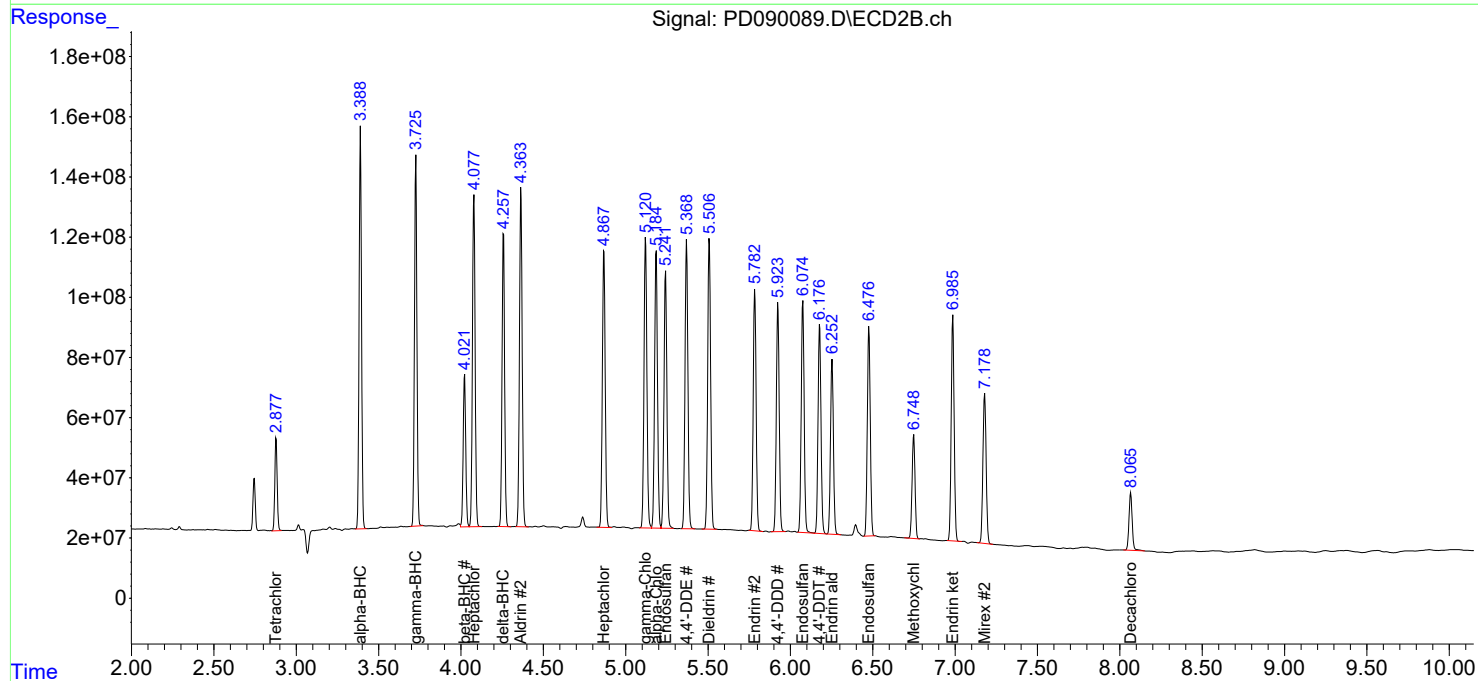
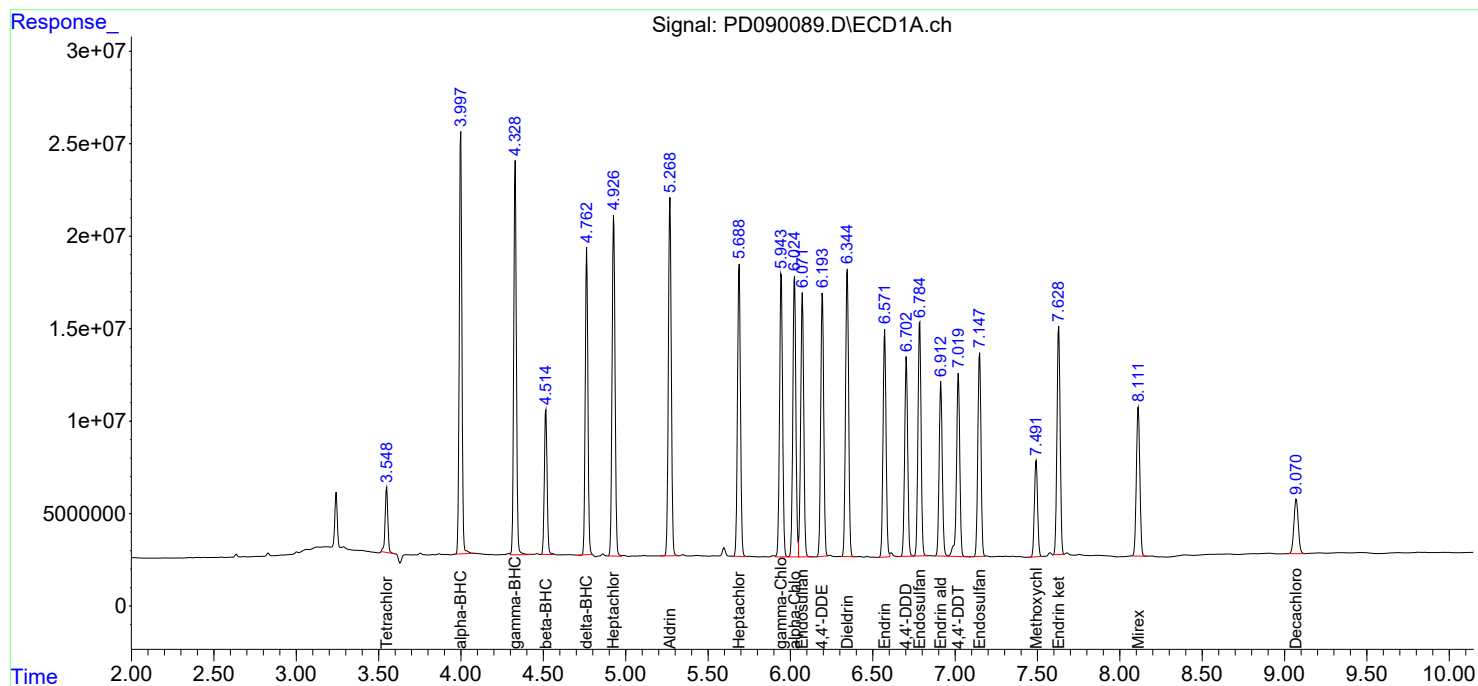
Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

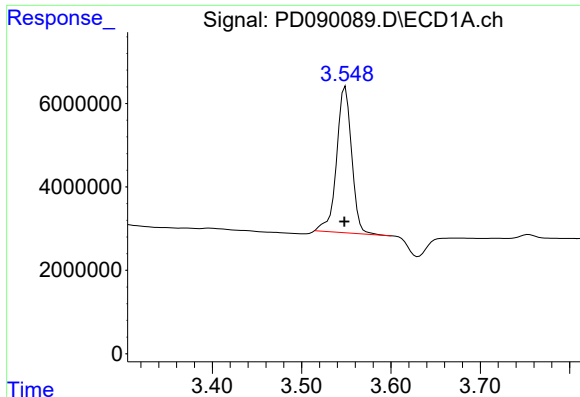
Manual Integrations
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Supervised By :mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 29 23:20:27 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 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





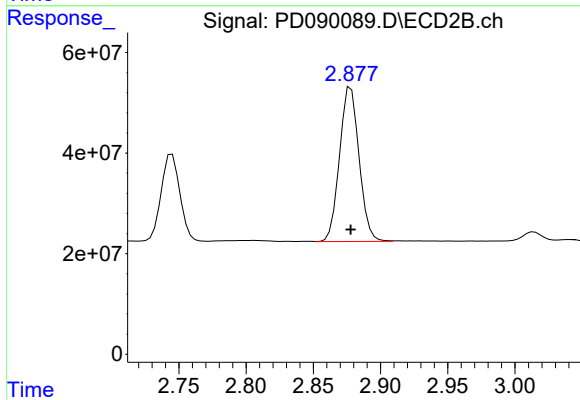
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.000 min
Response: 40821278
Conc: 13.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

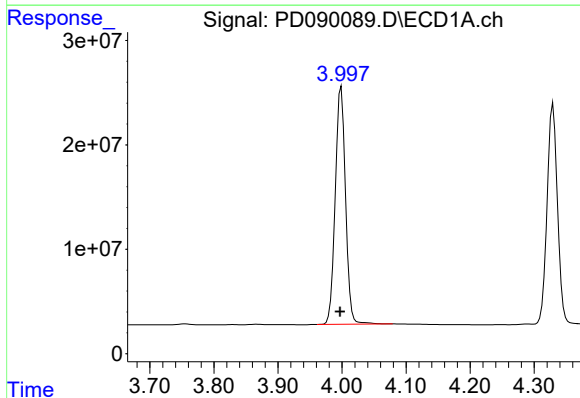
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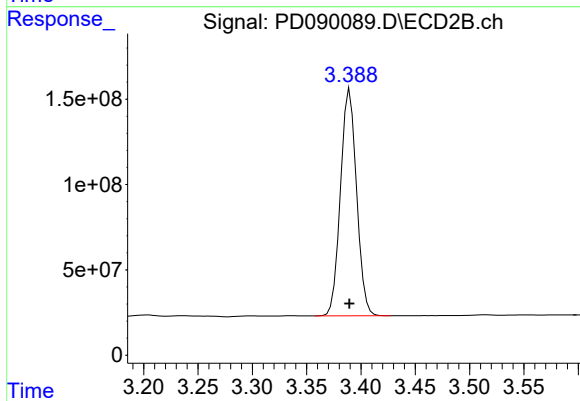
#1 Tetrachloro-m-xylene

R.T.: 2.877 min
Delta R.T.: -0.001 min
Response: 309780602
Conc: 14.05 ng/ml m



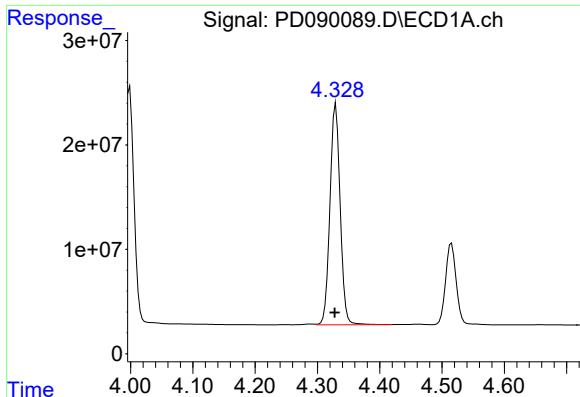
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 253880628
Conc: 42.30 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 1371773244
Conc: 40.42 ng/ml m



#3 gamma-BHC (Lindane)

R.T.: 4.329 min
Delta R.T.: 0.002 min
Response: 241074568
Conc: 42.10 ng/ml

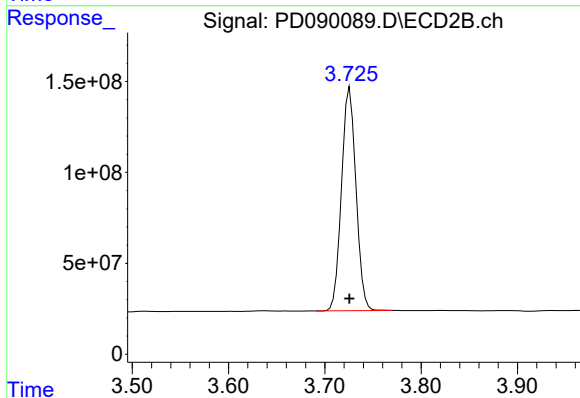
Instrument :

ECD_D

ClientSampleId :
NORTH-TP-2MS

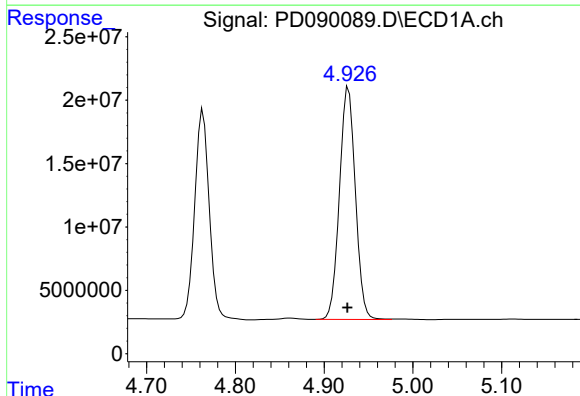
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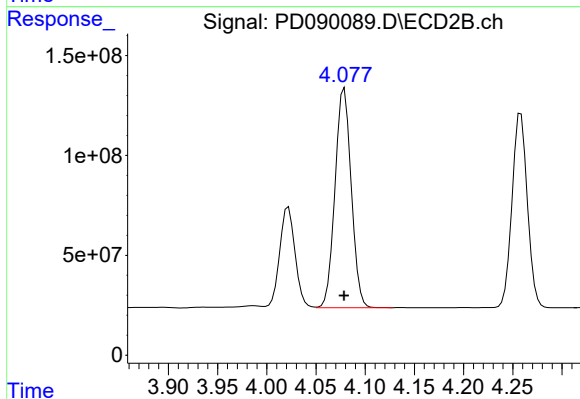
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1277628091
Conc: 40.99 ng/ml



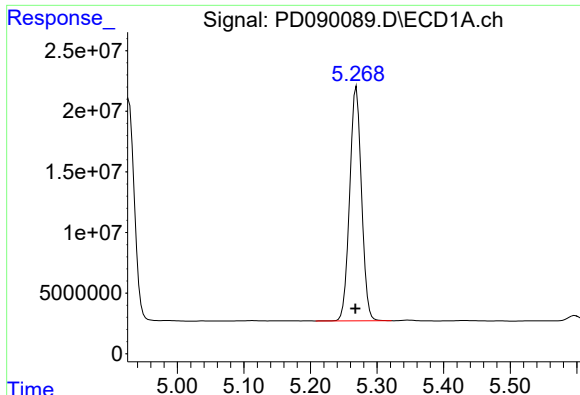
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.001 min
Response: 228626953
Conc: 40.76 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 1261022770
Conc: 40.43 ng/ml



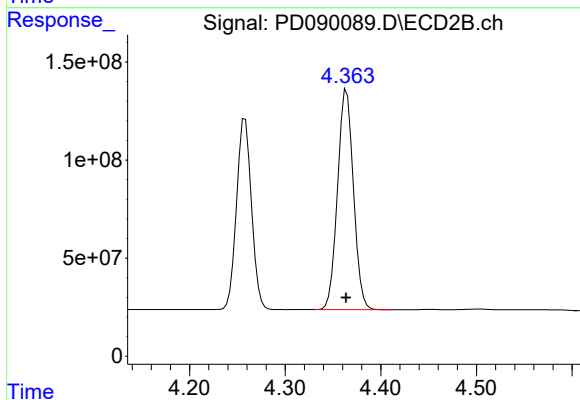
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 238822391
Conc: 44.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

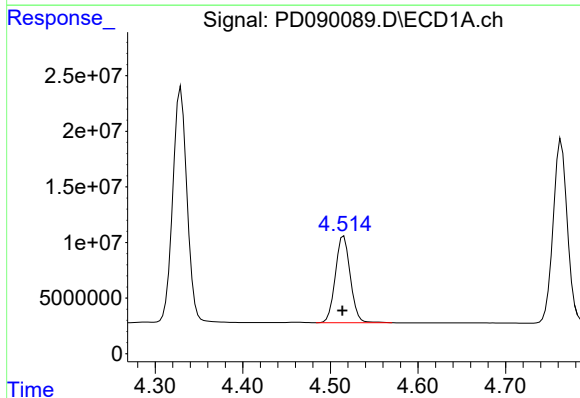
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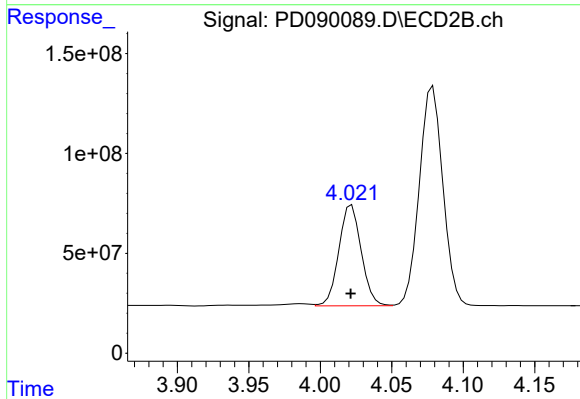
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1296795834
Conc: 42.58 ng/ml



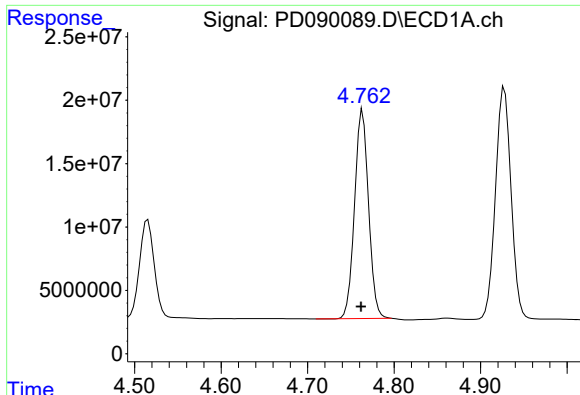
#6 beta-BHC

R.T.: 4.515 min
Delta R.T.: 0.001 min
Response: 92369993
Conc: 41.18 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 550471497
Conc: 41.30 ng/ml



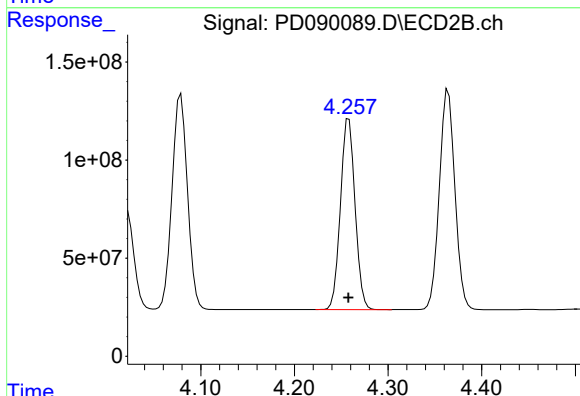
#7 delta-BHC

R.T.: 4.763 min
Delta R.T.: 0.001 min
Response: 184824141
Conc: 35.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

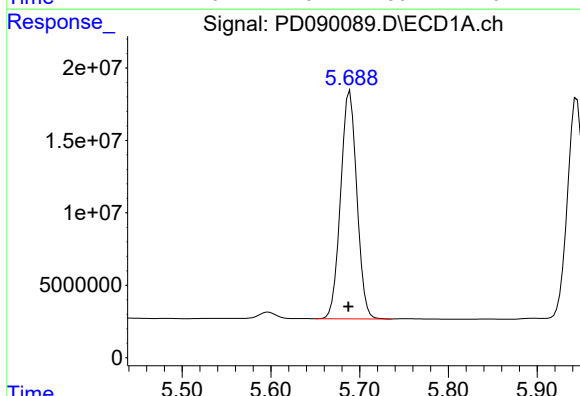
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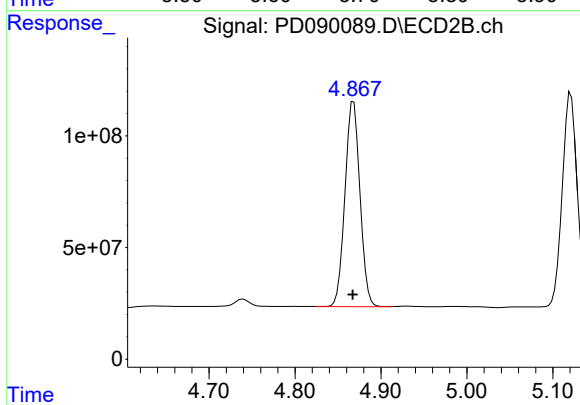
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1054828846
Conc: 33.43 ng/ml



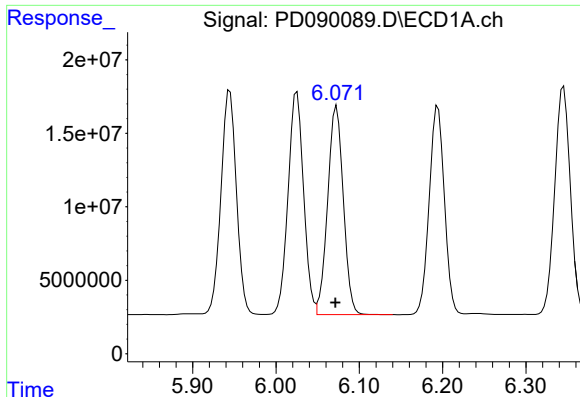
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 199675982
Conc: 40.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.001 min
Response: 1120170696
Conc: 40.45 ng/ml



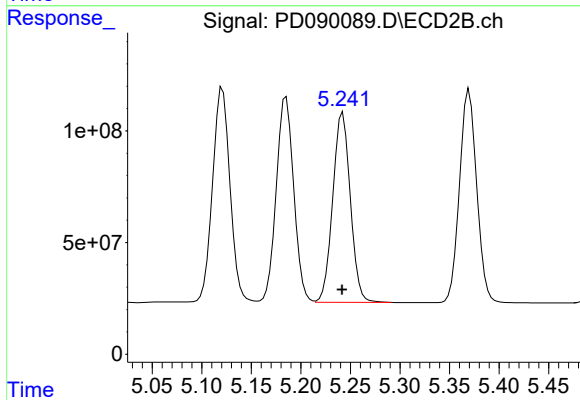
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 185804754
Conc: 40.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

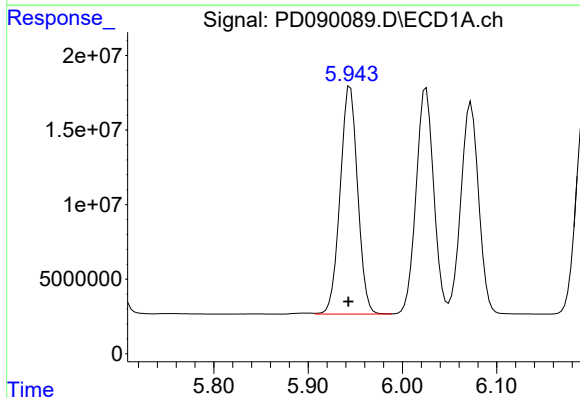
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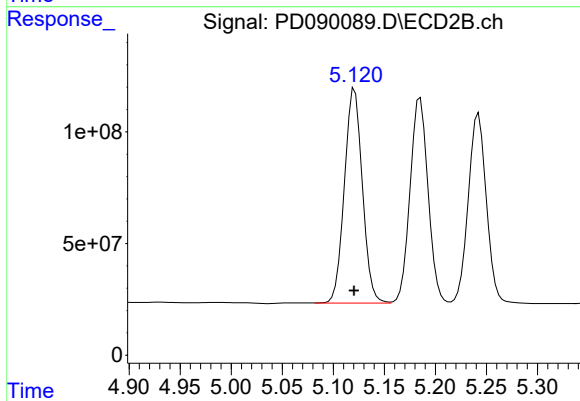
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1047548808
Conc: 39.95 ng/ml



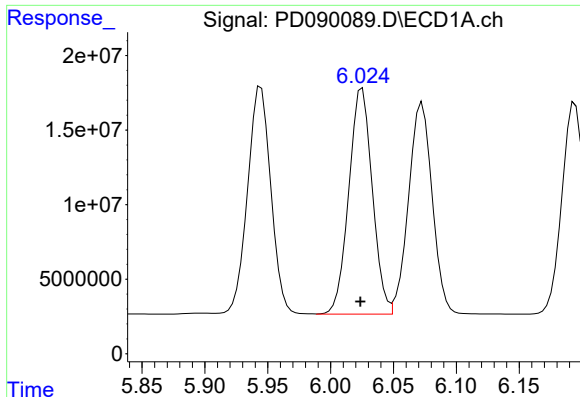
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 197037639
Conc: 40.29 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: 0.000 min
Response: 1177306803
Conc: 39.76 ng/ml



#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.002 min
Response: 196802826
Conc: 39.98 ng/ml

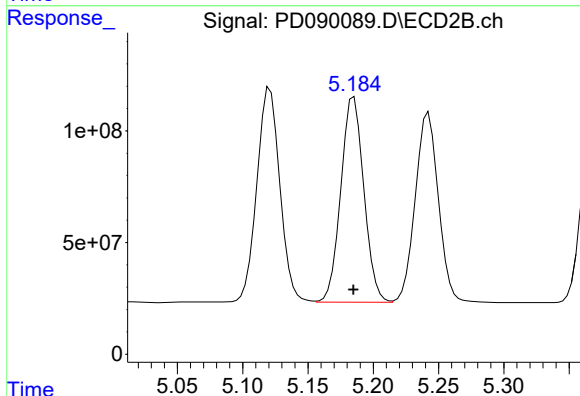
Instrument :

ECD_D

ClientSampleId :
NORTH-TP-2MS

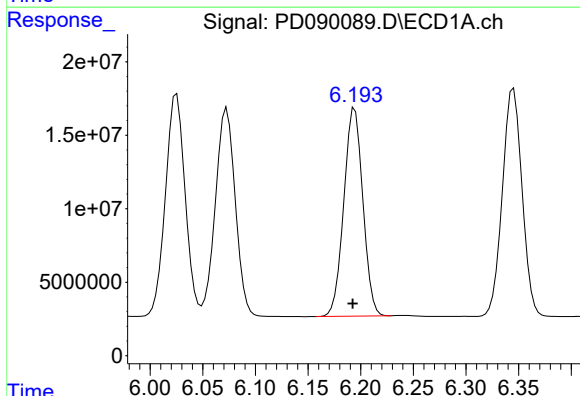
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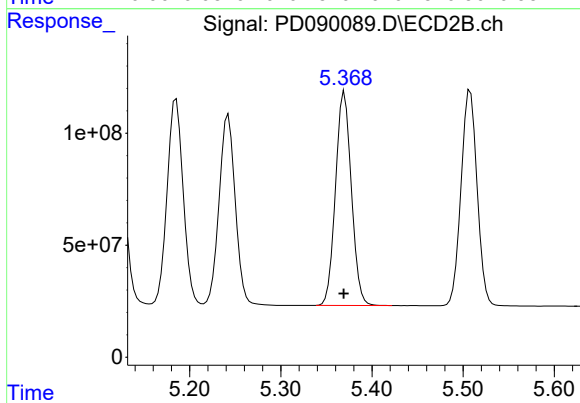
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1128392637
Conc: 39.54 ng/ml



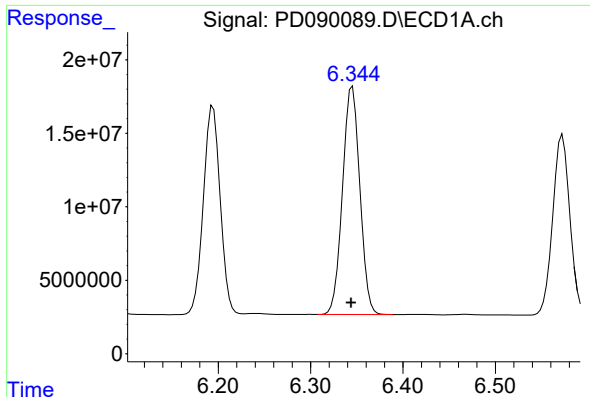
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 178941066
Conc: 40.78 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1152527359
Conc: 39.99 ng/ml



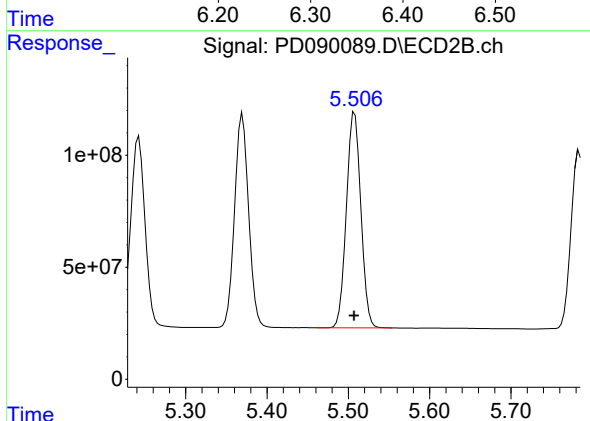
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 202373226
Conc: 41.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

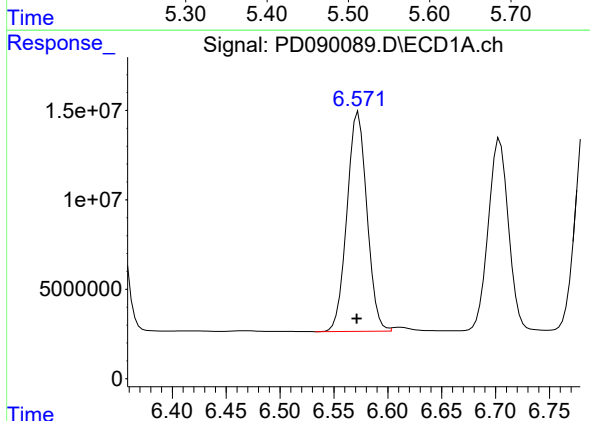
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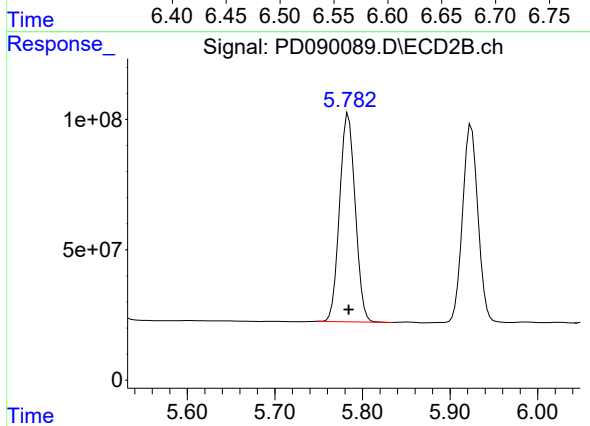
#13 Dieldrin

R.T.: 5.508 min
Delta R.T.: 0.000 min
Response: 1185217933
Conc: 40.47 ng/ml



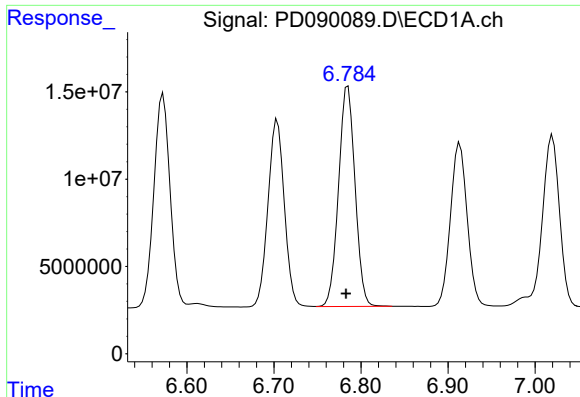
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 158157523
Conc: 38.17 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 990646598
Conc: 37.20 ng/ml



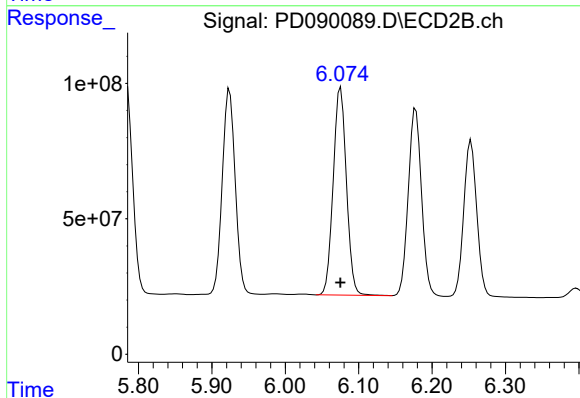
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 165933795
Conc: 39.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

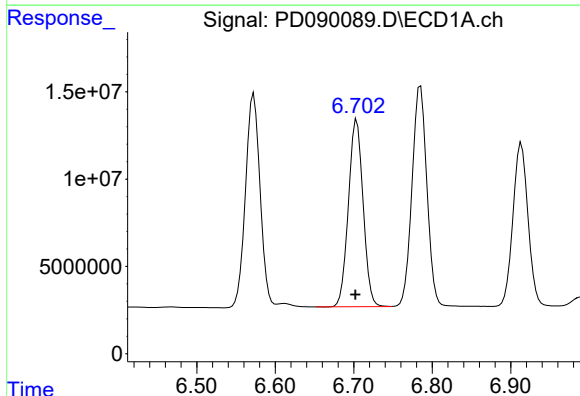
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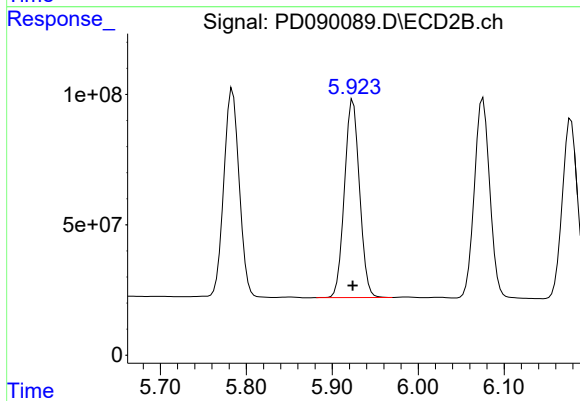
#15 Endosulfan II

R.T.: 6.076 min
Delta R.T.: 0.000 min
Response: 962858488
Conc: 38.07 ng/ml



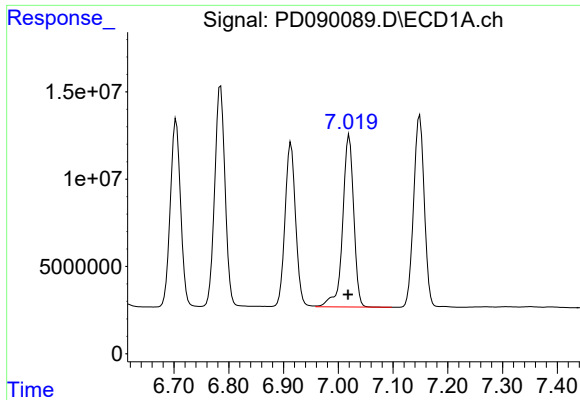
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 139731665
Conc: 40.40 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 927665147
Conc: 38.58 ng/ml



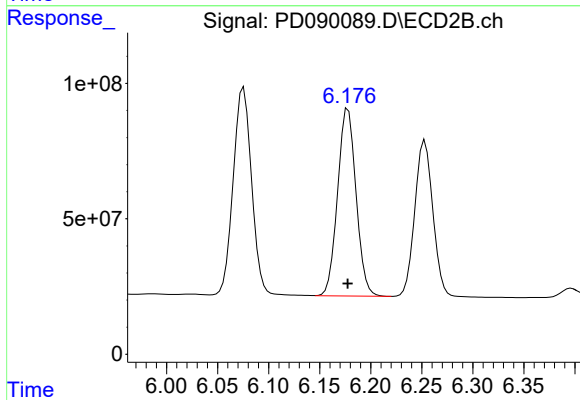
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 138217762
Conc: 36.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

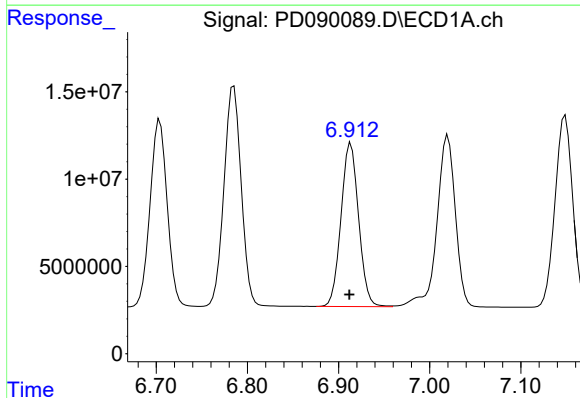
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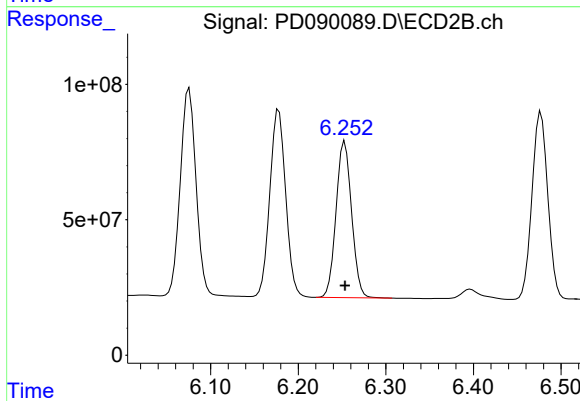
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 872253313
Conc: 34.79 ng/ml



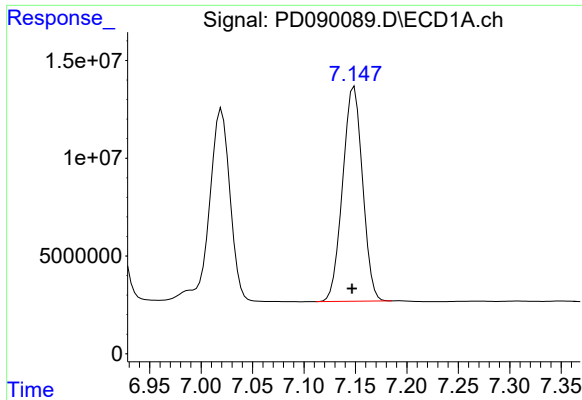
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.001 min
Response: 125553260
Conc: 43.79 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 710480438
Conc: 41.26 ng/ml



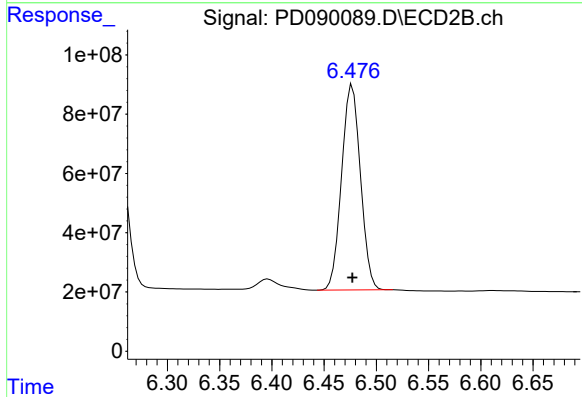
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.002 min
Response: 147775123
Conc: 37.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

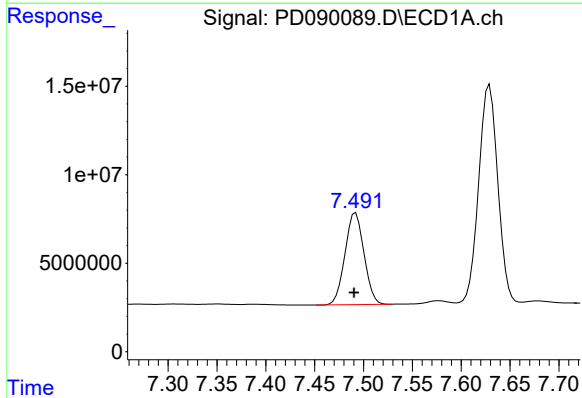
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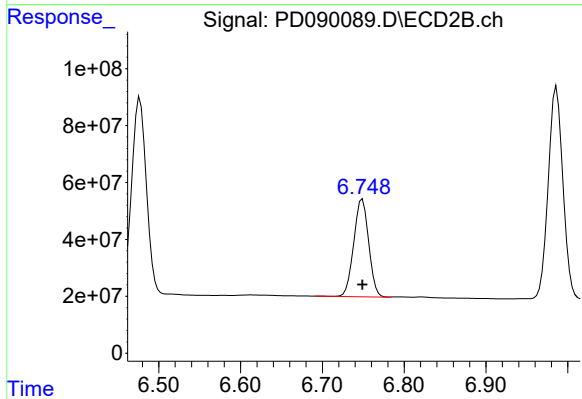
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 869854163
Conc: 35.68 ng/ml



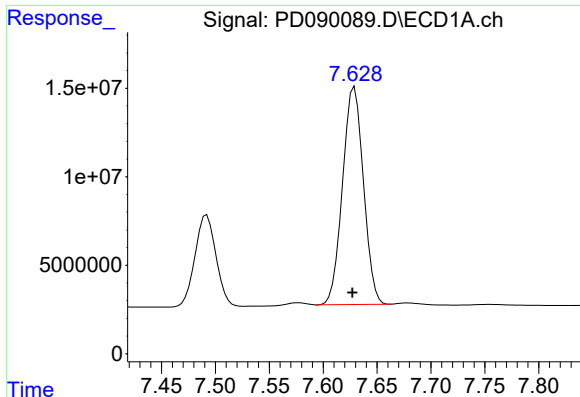
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.002 min
Response: 70198849
Conc: 35.00 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 434912544
Conc: 33.73 ng/ml



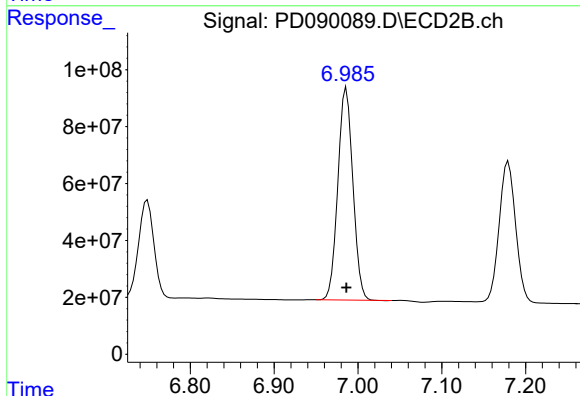
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.002 min
Response: 166007851
Conc: 40.05 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

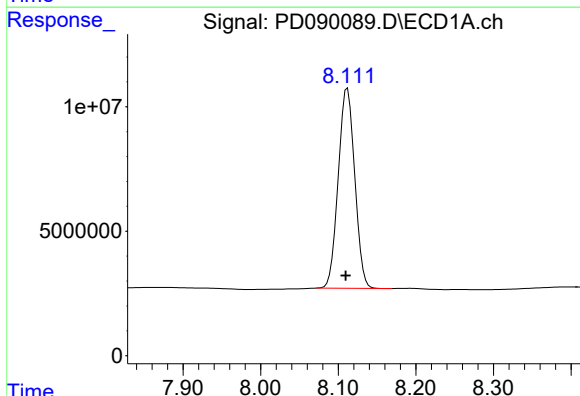
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



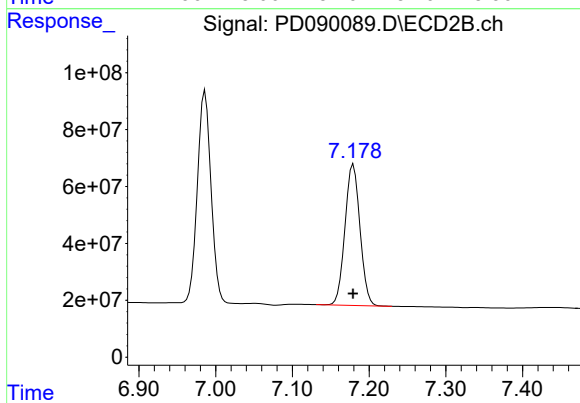
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 927261023
Conc: 34.80 ng/ml



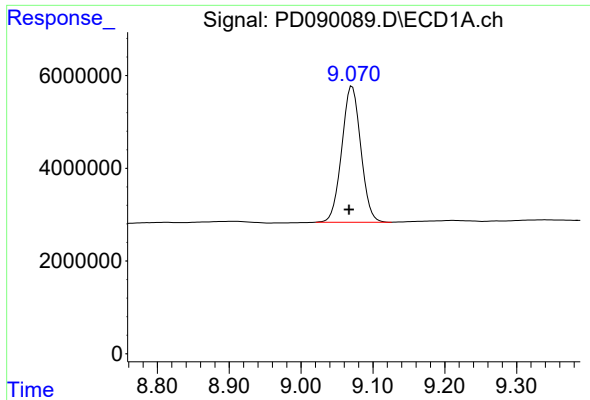
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.002 min
Response: 118886390
Conc: 37.69 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 676934945
Conc: 32.77 ng/ml



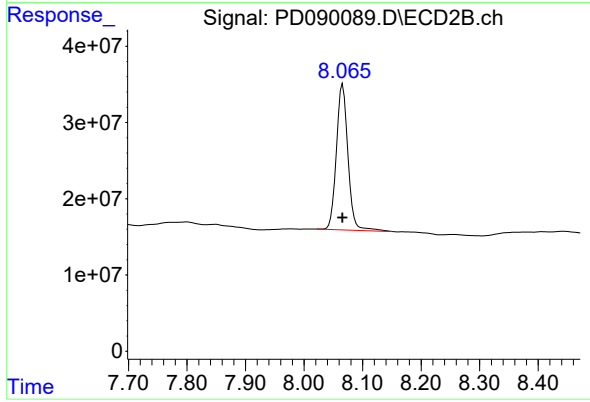
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 53837025
Conc: 12.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/02/2025
Supervised By :mohammad ahmed 09/03/2025



#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.000 min
Response: 262781805
Conc: 10.15 ng/ml