

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082925\
 Data File : PD090090.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Aug 2025 14:33
 Operator : AR\AJ
 Sample : Q2986-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 NORTH-TP-2MSD

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 23:20:40 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	2.876	39632041	302.5E6	13.504	13.720m
28)	SA Decachlor...	9.071	8.065	52593994	245.7E6	12.186	9.493
Target Compounds							
2)	A alpha-BHC	3.999	3.388	252.6E6	1357.0E6	42.082	39.984m
3)	MA gamma-BHC...	4.330	3.726	241.2E6	1257.6E6	42.111	40.345
4)	MA Heptachlor	4.928	4.078	229.6E6	1244.9E6	40.927	39.912
5)	MB Aldrin	5.269	4.364	236.3E6	1287.0E6	43.633	42.258
6)	B beta-BHC	4.516	4.022	93095427	540.6E6	41.504	40.551
7)	B delta-BHC	4.764	4.258	186.5E6	1050.0E6	36.013	33.281
8)	B Heptachlo...	5.689	4.867	204.2E6	1114.3E6	41.620	40.233
9)	A Endosulfan I	6.073	5.241	188.1E6	1039.6E6	40.768	39.646
10)	B gamma-Chl...	5.944	5.120	203.3E6	1176.8E6	41.570	39.742
11)	B alpha-Chl...	6.025	5.185	200.9E6	1124.7E6	40.820	39.409
12)	B 4,4'-DDE	6.194	5.369	178.8E6	1139.3E6	40.743	39.526
13)	MA Dieldrin	6.345	5.507	204.1E6	1167.0E6	41.689	39.847
14)	MA Endrin	6.572	5.784	165.3E6	1015.1E6	39.884	38.116
15)	B Endosulfa...	6.785	6.075	165.2E6	956.6E6	39.154	37.819
16)	A 4,4'-DDD	6.704	5.924	143.7E6	934.9E6	41.557	38.883
17)	MA 4,4'-DDT	7.020	6.178	137.1E6	877.8E6	35.995	35.013
18)	B Endrin al...	6.914	6.254	122.1E6	715.6E6	42.591	41.554
19)	B Endosulfa...	7.148	6.477	151.5E6	880.0E6	38.675	36.096
20)	A Methoxychlor	7.492	6.748	72306594	434.3E6	36.052	33.677
21)	B Endrin ke...	7.629	6.986	165.7E6	972.1E6	39.970	36.485
22)	Mirex	8.112	7.179	119.8E6	672.3E6	37.986	32.547

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

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Data File : PD090090.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Aug 2025 14:33
Operator : AR\AJ
Sample : Q2986-03MSD
Misc :
ALS Vial : 13 Sample Multiplier: 1

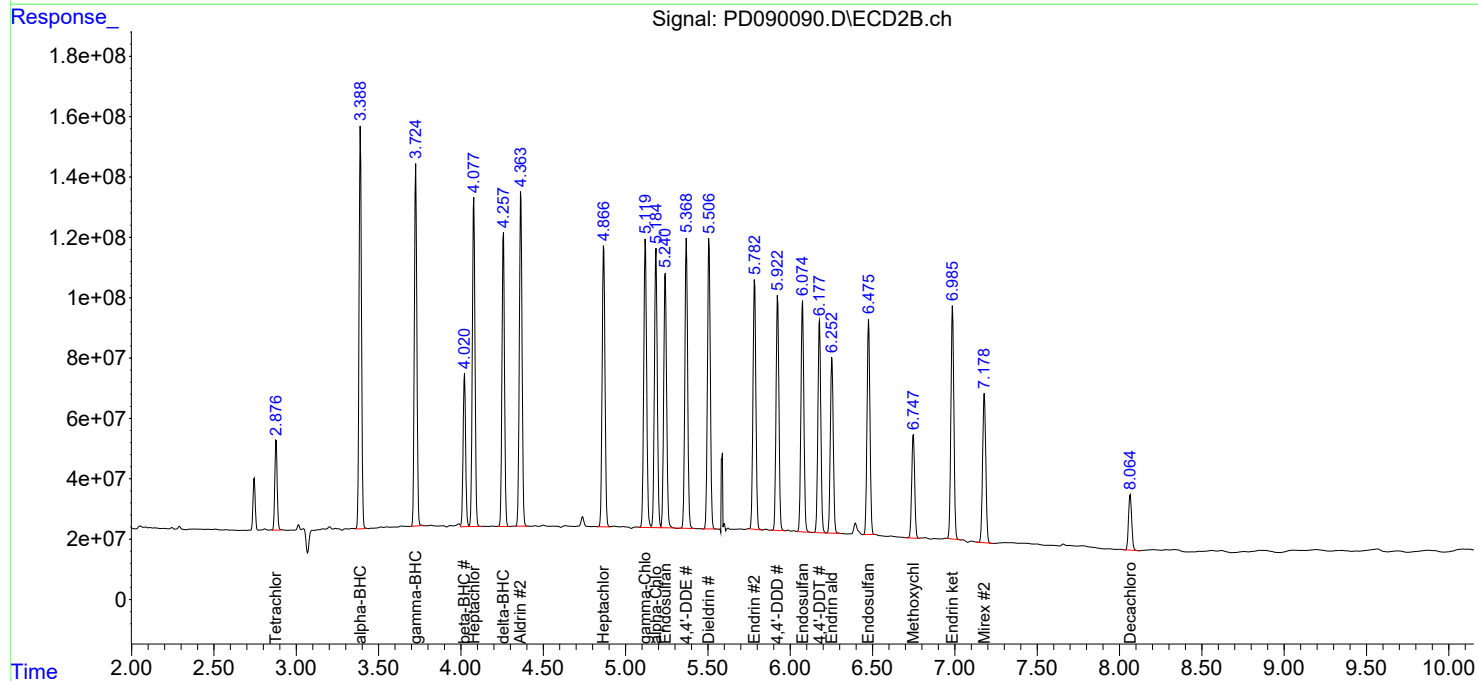
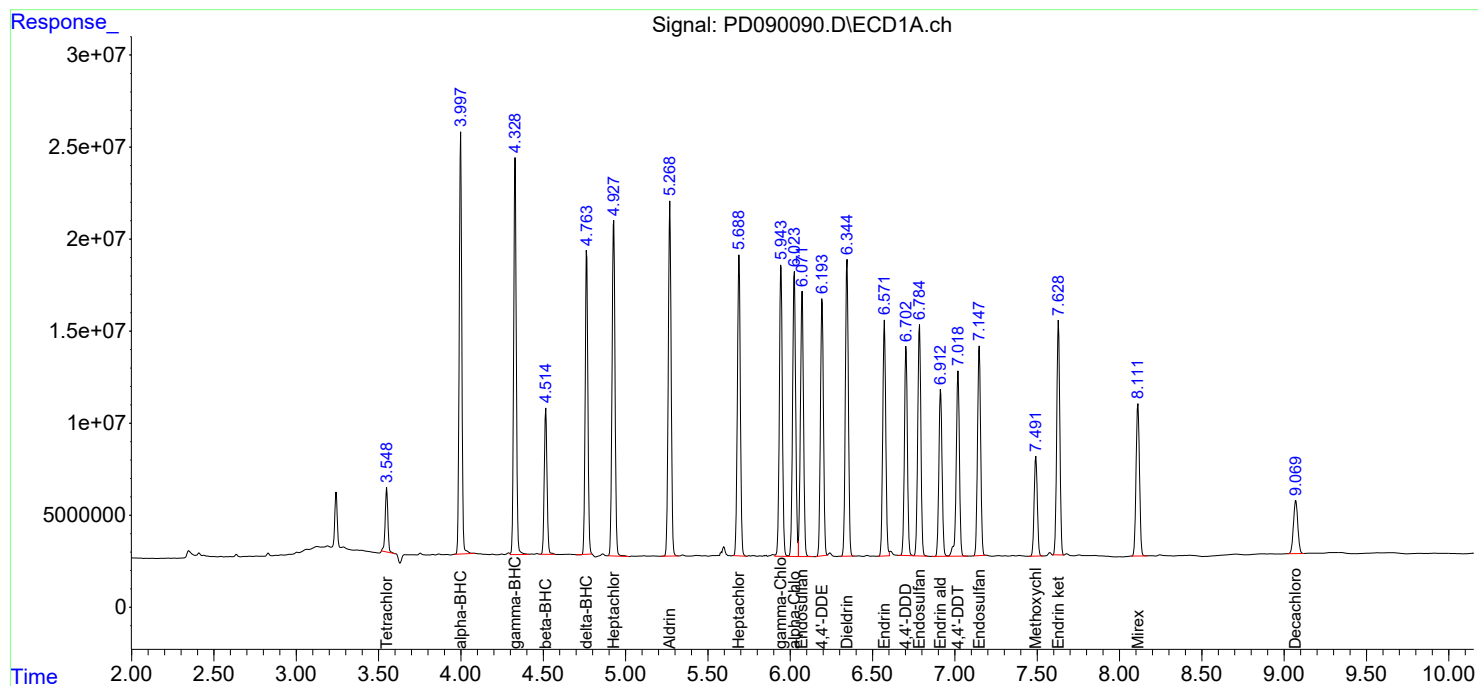
Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

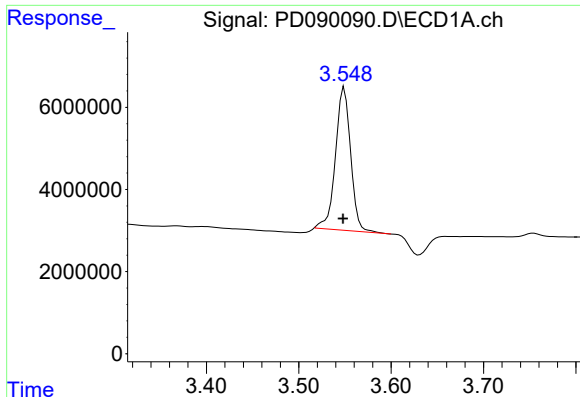
Manual Integrations
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Supervised By :mohammad ahmed 09/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Aug 29 23:20:40 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
Quant Title : GC Extractables
QLast Update : Tue Aug 19 13:16:54 2025
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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





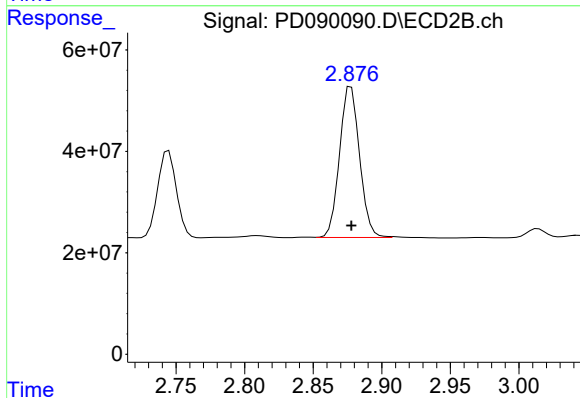
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.001 min
Response: 39632041
Conc: 13.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

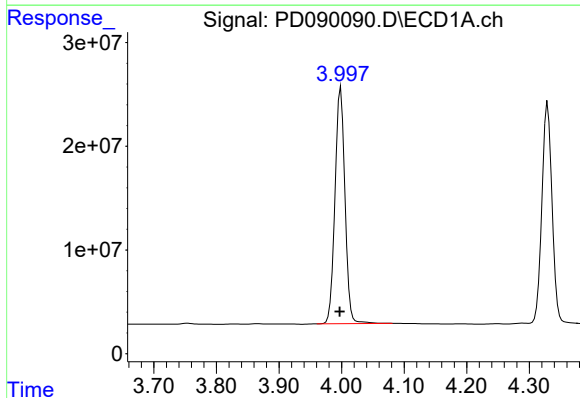
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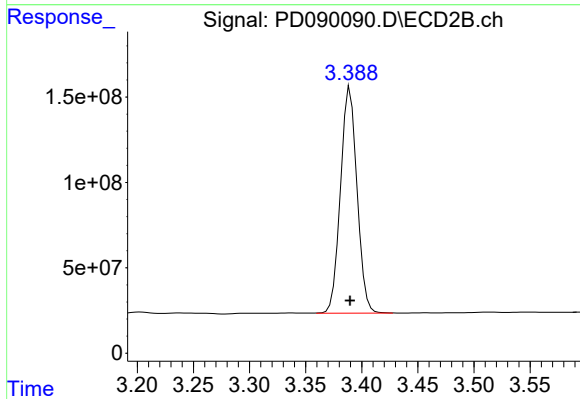
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 302523486
Conc: 13.72 ng/ml m



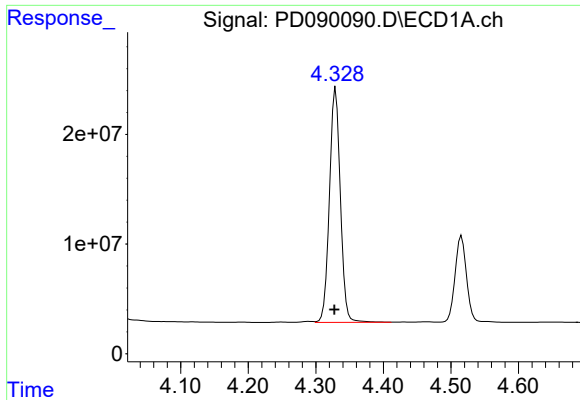
#2 alpha-BHC

R.T.: 3.999 min
Delta R.T.: 0.002 min
Response: 252584803
Conc: 42.08 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 1357015174
Conc: 39.98 ng/ml m



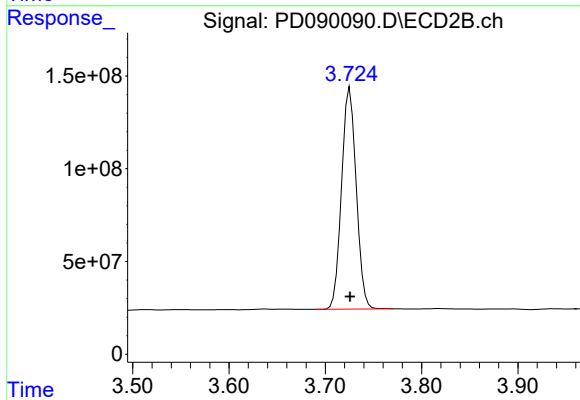
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.002 min
Response: 241164414
Conc: 42.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

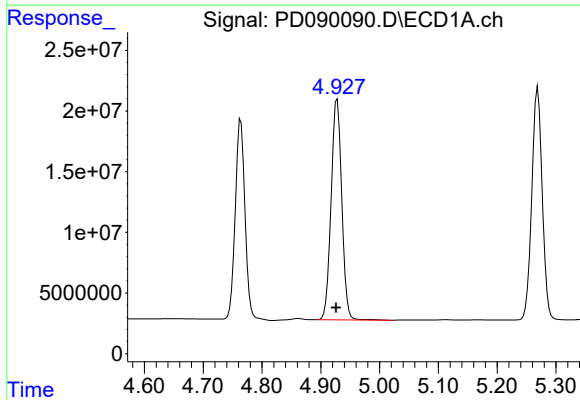
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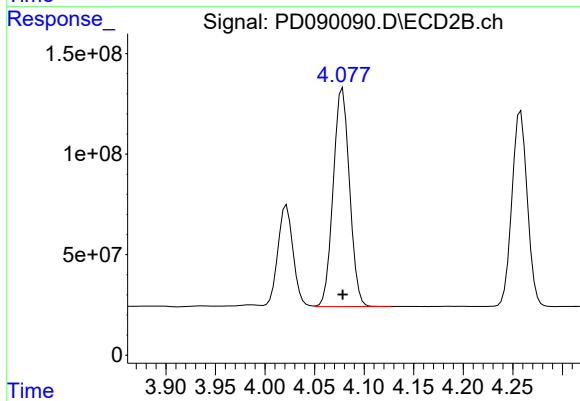
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 1257596323
Conc: 40.35 ng/ml



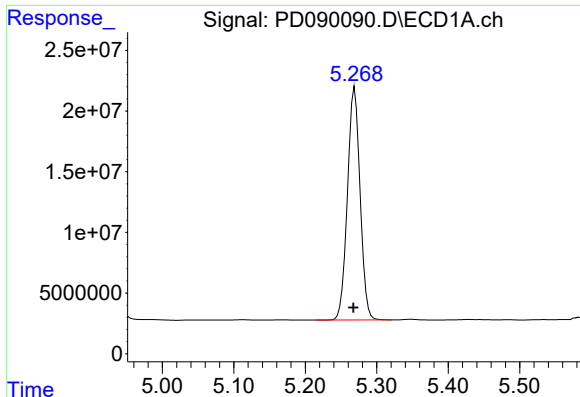
#4 Heptachlor

R.T.: 4.928 min
Delta R.T.: 0.002 min
Response: 229568833
Conc: 40.93 ng/ml



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1244916587
Conc: 39.91 ng/ml



#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 236250865
Conc: 43.63 ng/ml

Instrument :

ECD_D

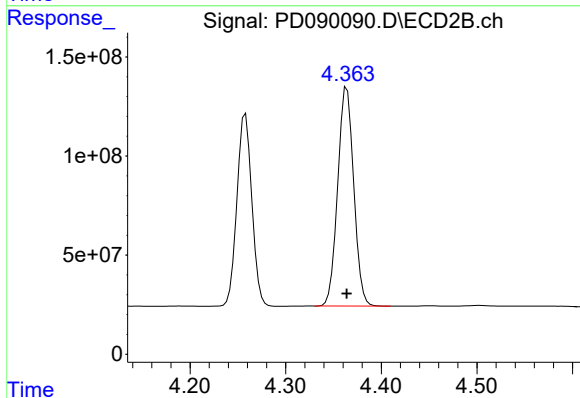
ClientSampleId :

NORTH-TP-2MSD

Manual Integrations

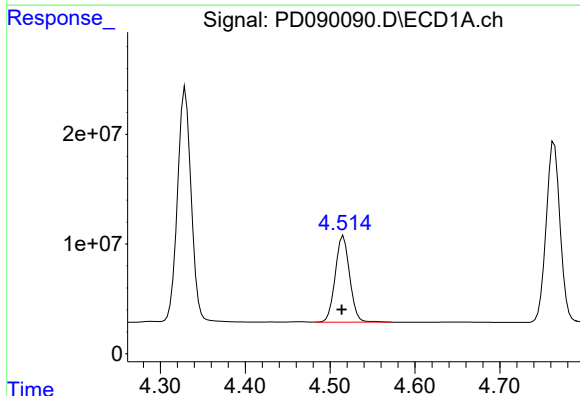
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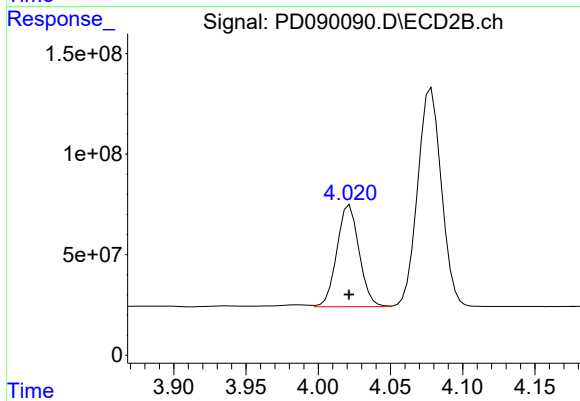
#5 Aldrin

R.T.: 4.364 min
Delta R.T.: 0.000 min
Response: 1287001772
Conc: 42.26 ng/ml



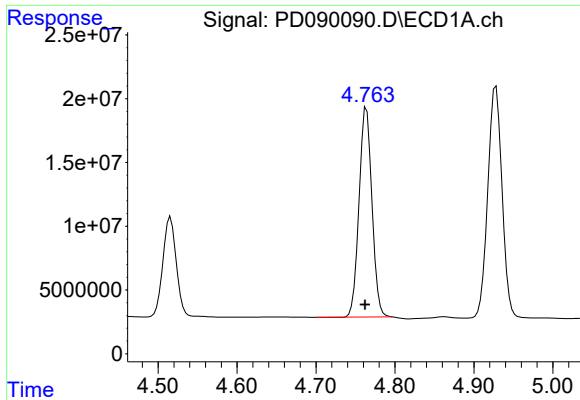
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 93095427
Conc: 41.50 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 540553823
Conc: 40.55 ng/ml



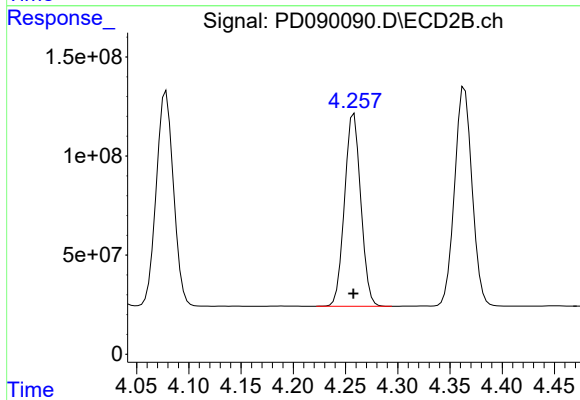
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 186467047
Conc: 36.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

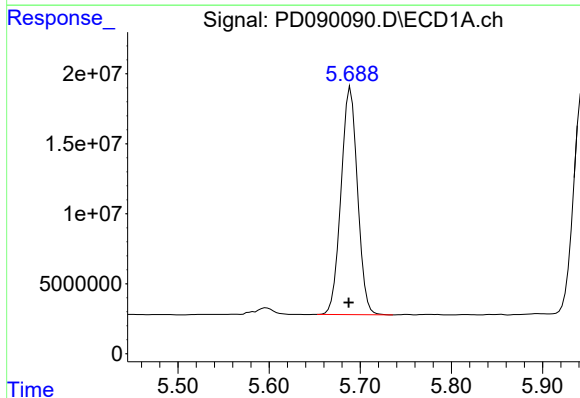
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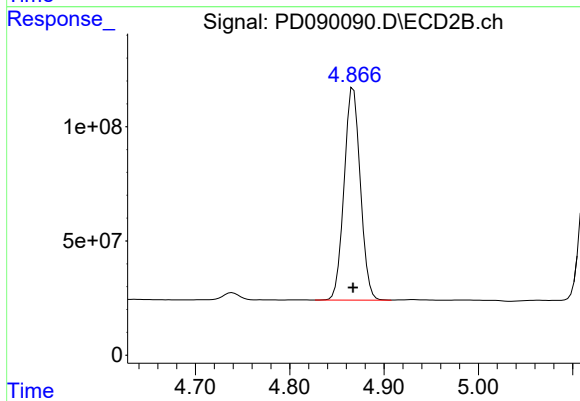
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1050019020
Conc: 33.28 ng/ml



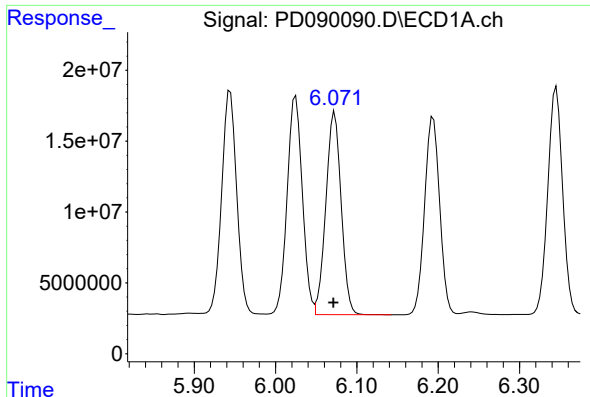
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 204220381
Conc: 41.62 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1114254072
Conc: 40.23 ng/ml



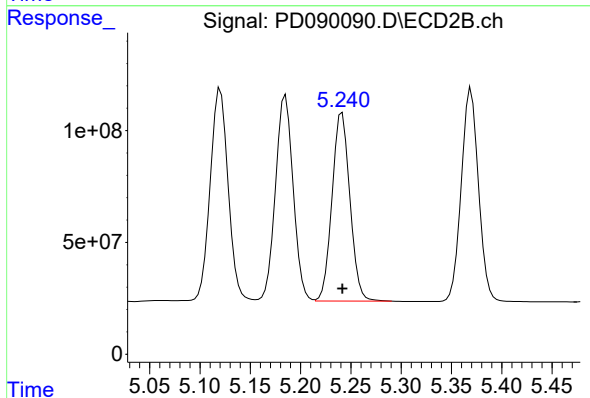
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 188139605
Conc: 40.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

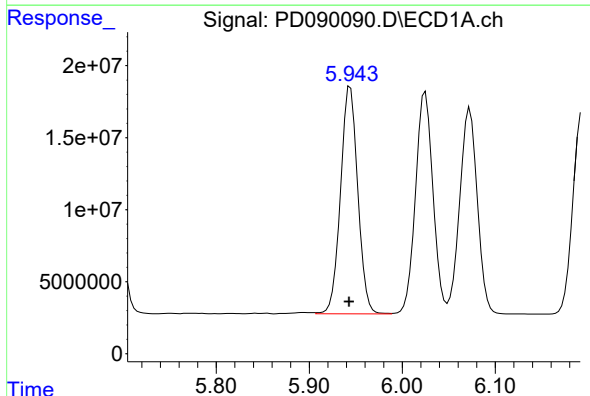
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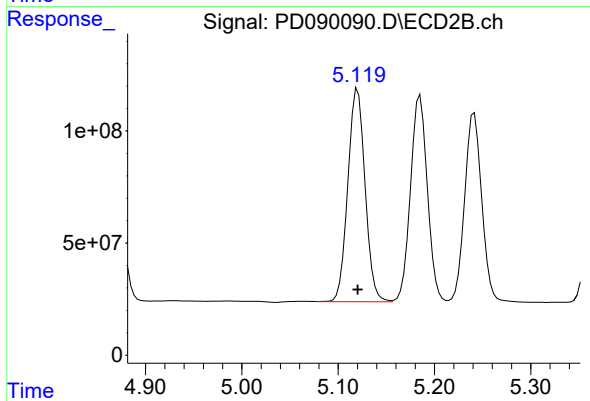
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1039586050
Conc: 39.65 ng/ml



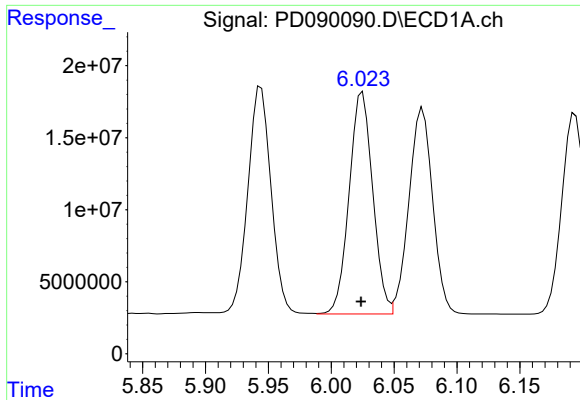
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.001 min
Response: 203317879
Conc: 41.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1176805626
Conc: 39.74 ng/ml



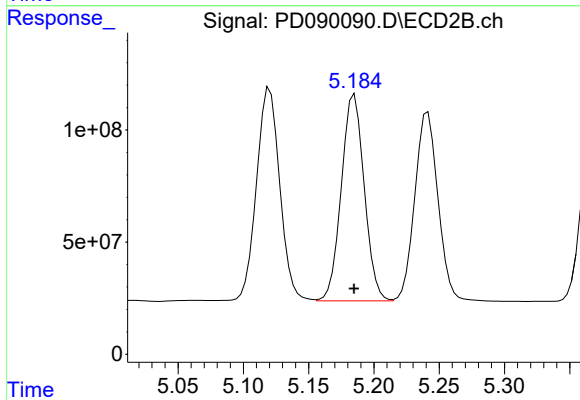
#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.001 min
Response: 200934268
Conc: 40.82 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

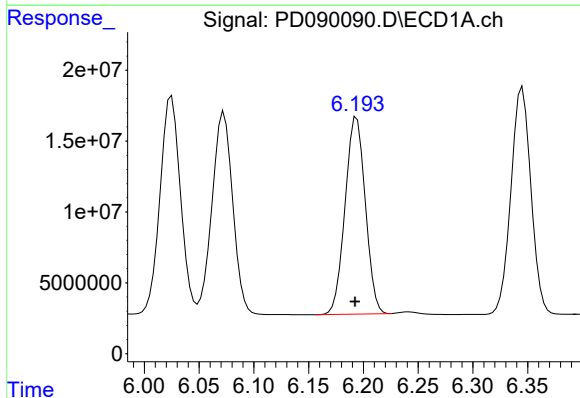
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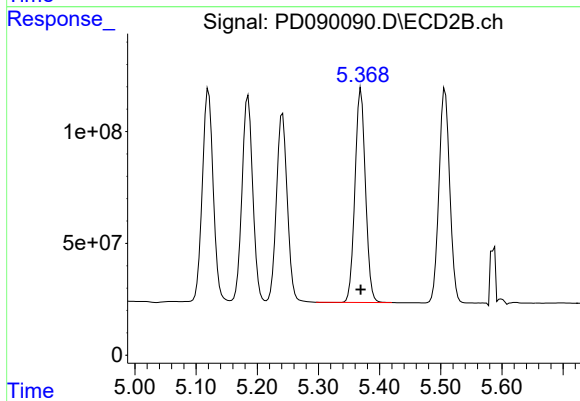
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1124659230
Conc: 39.41 ng/ml



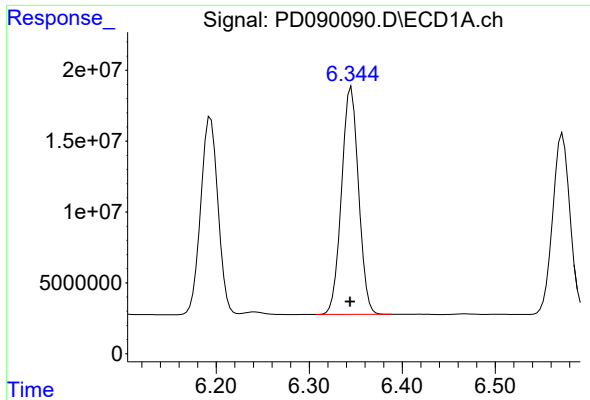
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 178793061
Conc: 40.74 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1139259935
Conc: 39.53 ng/ml



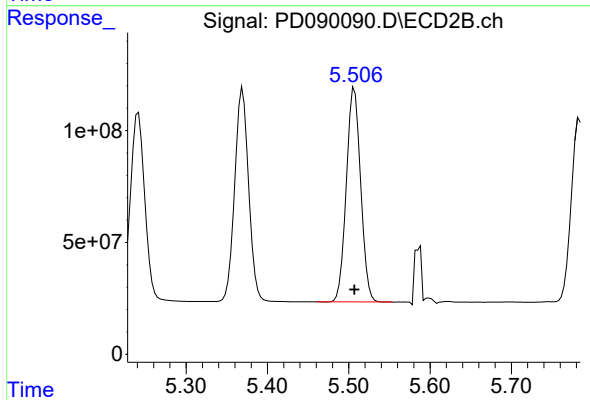
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 204101165
Conc: 41.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

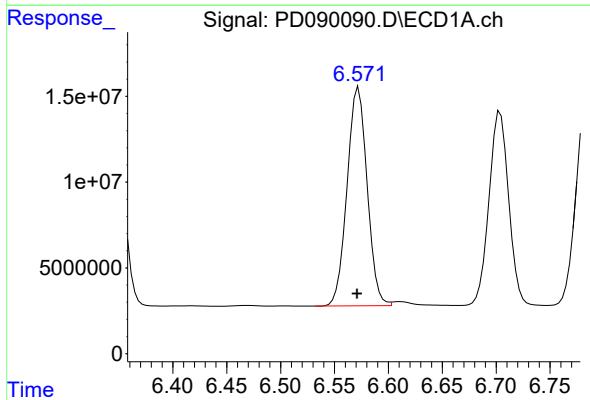
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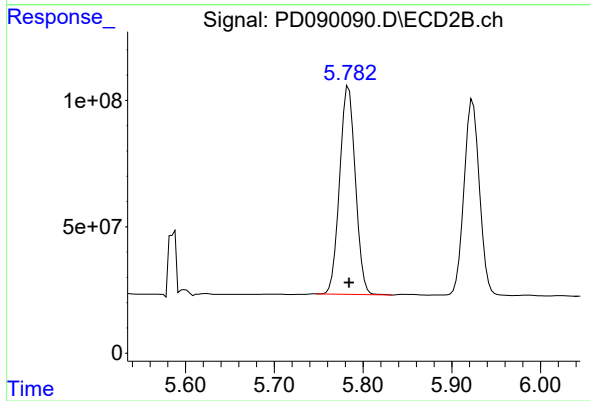
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1167004932
Conc: 39.85 ng/ml



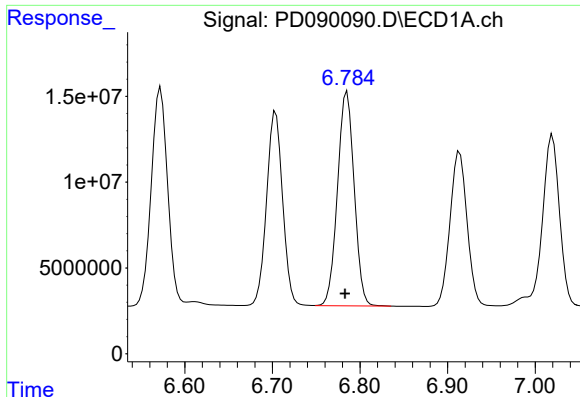
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.001 min
Response: 165263903
Conc: 39.88 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1015110305
Conc: 38.12 ng/ml



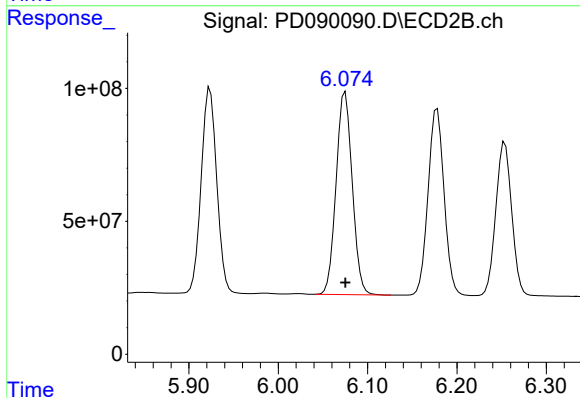
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 165217624
Conc: 39.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

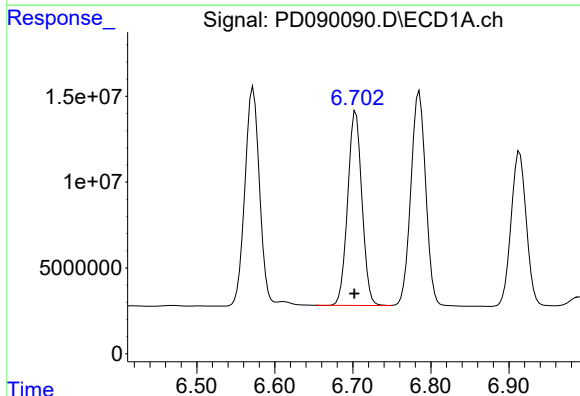
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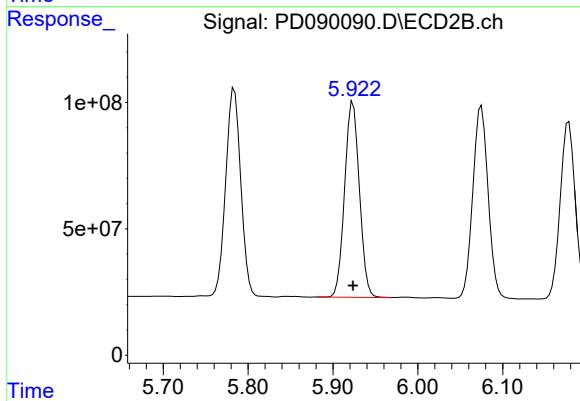
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 956604974
Conc: 37.82 ng/ml



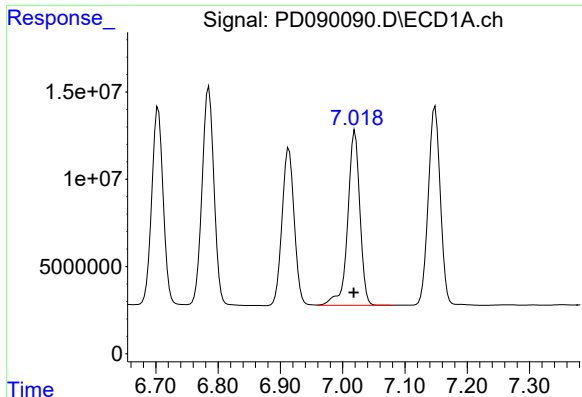
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 143749991
Conc: 41.56 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 934899641
Conc: 38.88 ng/ml



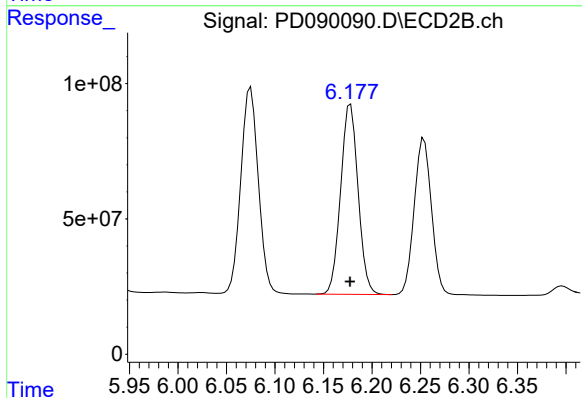
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 137131099
Conc: 35.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

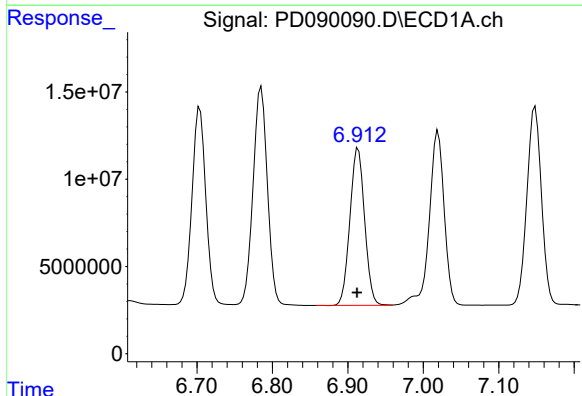
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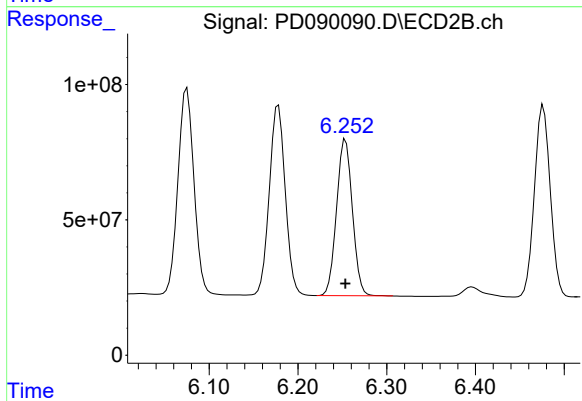
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 877776803
Conc: 35.01 ng/ml



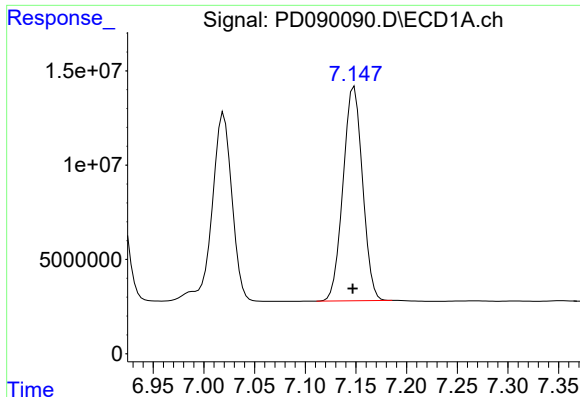
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.002 min
Response: 122114281
Conc: 42.59 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 715557307
Conc: 41.55 ng/ml



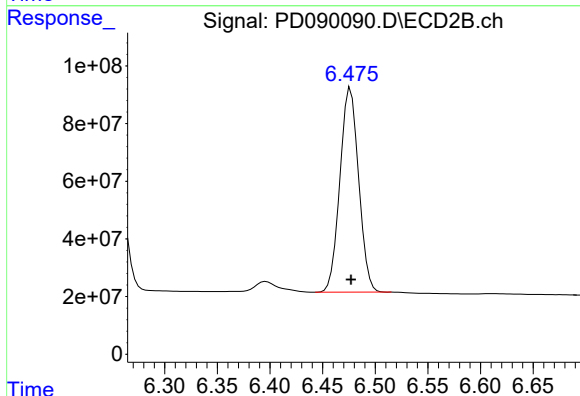
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.002 min
Response: 151547369
Conc: 38.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

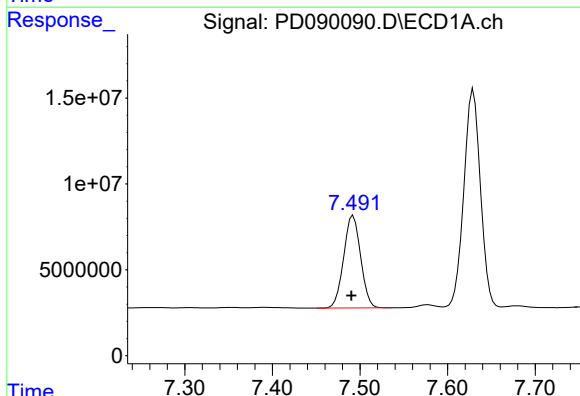
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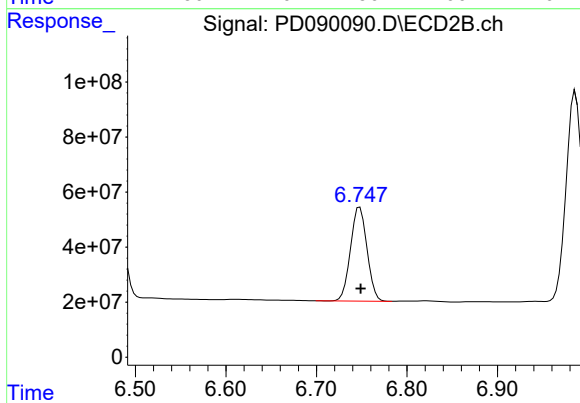
#19 Endosulfan Sulfate

R.T.: 6.477 min
Delta R.T.: 0.000 min
Response: 880007632
Conc: 36.10 ng/ml



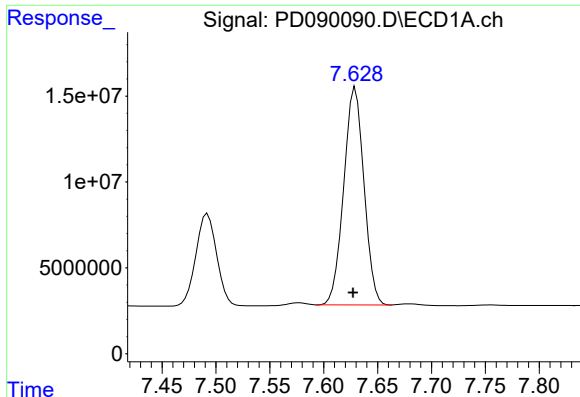
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.002 min
Response: 72306594
Conc: 36.05 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 434294763
Conc: 33.68 ng/ml



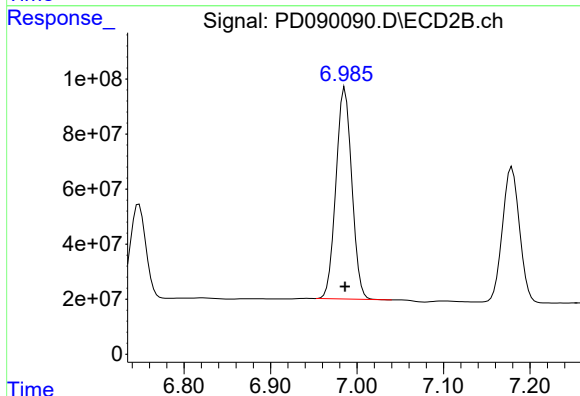
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.002 min
Response: 165655011
Conc: 39.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

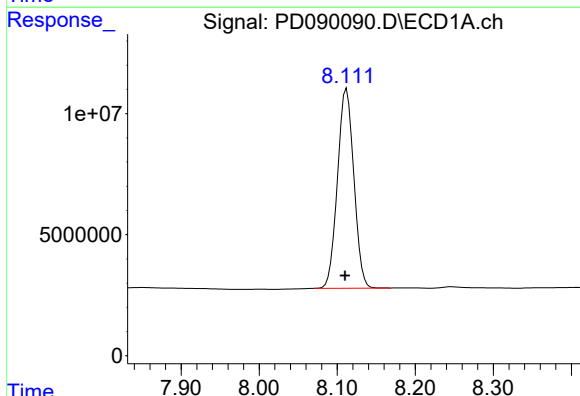
Manual Integrations
APPROVED

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



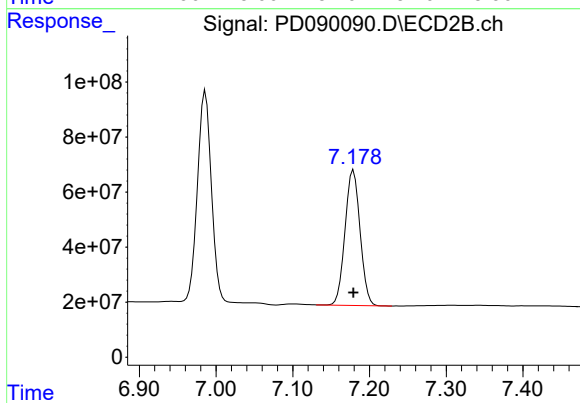
#21 Endrin ketone

R.T.: 6.986 min
Delta R.T.: 0.000 min
Response: 972128123
Conc: 36.49 ng/ml



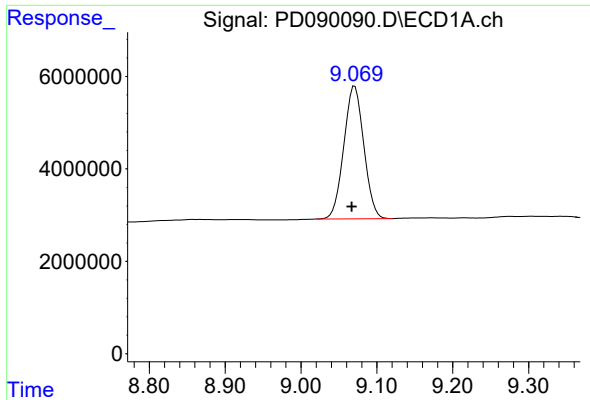
#22 Mirex

R.T.: 8.112 min
Delta R.T.: 0.002 min
Response: 119825312
Conc: 37.99 ng/ml



#22 Mirex

R.T.: 7.179 min
Delta R.T.: 0.000 min
Response: 672273620
Conc: 32.55 ng/ml



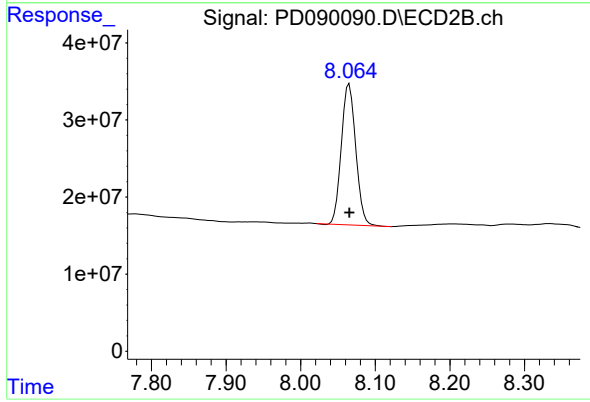
#28 Decachlorobiphenyl

R.T.: 9.071 min
Delta R.T.: 0.004 min
Response: 52593994
Conc: 12.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
NORTH-TP-2MSD

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



#28 Decachlorobiphenyl

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 245737543
Conc: 9.49 ng/ml