

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090225\
 Data File : PD090113.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Sep 2025 15:05
 Operator : AR\AJ
 Sample : Q2989-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOUTH-TP-5MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/03/2025
 Supervised By :mohammad ahmed 09/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 03 05:20:36 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...	3.548	2.876	49179137	366.6E6	16.757m	16.624m
28)	SA Decachlor...	9.070	8.064	64994303	388.0E6	15.059	14.990
Target Compounds							
2)	A alpha-BHC	3.998	3.388	266.1E6	1494.7E6	44.338	44.040m
3)	MA gamma-BHC...	4.328	3.725	252.0E6	1376.9E6	44.010m	44.172
4)	MA Heptachlor	4.926	4.078	247.2E6	1360.4E6	44.079m	43.614
5)	MB Aldrin	5.269	4.363	246.5E6	1375.6E6	45.528	45.168
6)	B beta-BHC	4.516	4.021	98329408	610.8E6	43.838	45.824
7)	B delta-BHC	4.764	4.258	202.3E6	1150.0E6	39.079	36.451
8)	B Heptachlo...	5.689	4.867	222.0E6	1245.3E6	45.242	44.964
9)	A Endosulfan I	6.073	5.241	210.1E6	1185.6E6	45.522	45.215
10)	B gamma-Chl...	5.945	5.119	224.9E6	1339.9E6	45.979	45.251
11)	B alpha-Chl...	6.025	5.184	222.9E6	1292.4E6	45.275	45.288
12)	B 4,4'-DDE	6.194	5.369	202.3E6	1317.2E6	46.102	45.699
13)	MA Dieldrin	6.345	5.506	224.3E6	1319.6E6	45.814	45.057
14)	MA Endrin	6.573	5.783	184.2E6	1152.1E6	44.445	43.258
15)	B Endosulfa...	6.785	6.074	188.9E6	1148.1E6	44.760	45.389
16)	A 4,4'-DDD	6.704	5.923	160.9E6	1062.9E6	46.528	44.206
17)	MA 4,4'-DDT	7.019	6.177	158.3E6	1070.2E6	41.543	42.688
18)	B Endrin al...	6.913	6.253	137.7E6	830.7E6	48.024	48.241
19)	B Endosulfa...	7.148	6.476	166.3E6	1052.5E6	42.448	43.170
20)	A Methoxychlor	7.492	6.747	79590757	529.4E6	39.684	41.055
21)	B Endrin ke...	7.629	6.985	185.2E6	1208.1E6	44.692	45.341
22)	Mirex	8.111	7.178	134.3E6	900.3E6	42.561	43.587

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090225\
Data File : PD090113.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Sep 2025 15:05
Operator : AR\AJ
Sample : Q2989-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

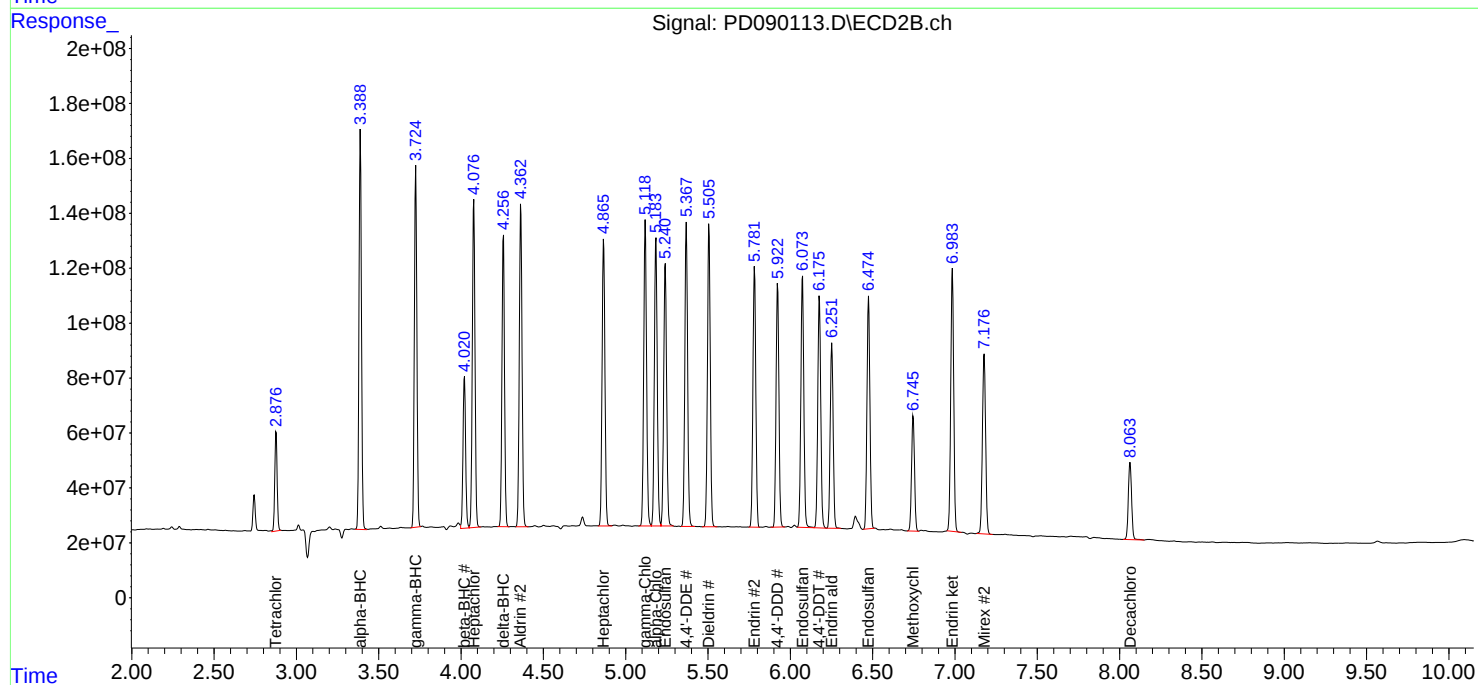
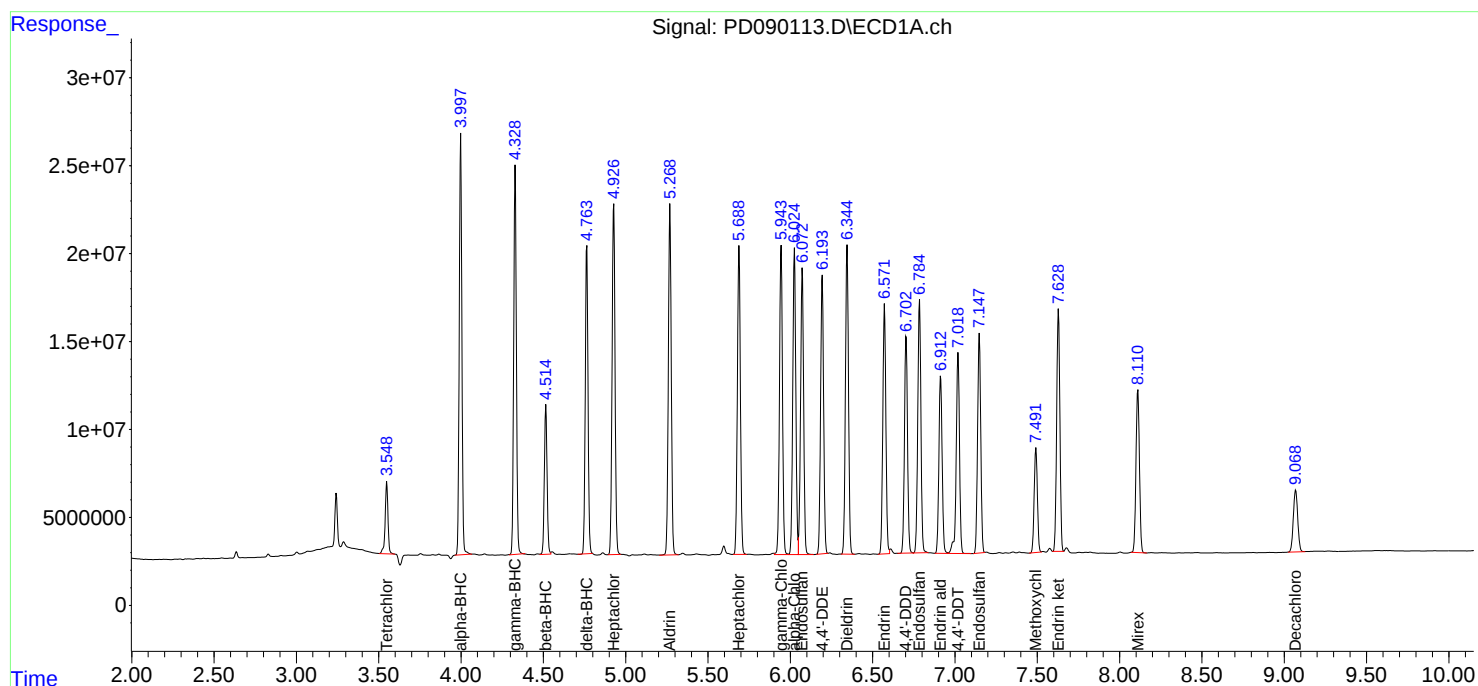
Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

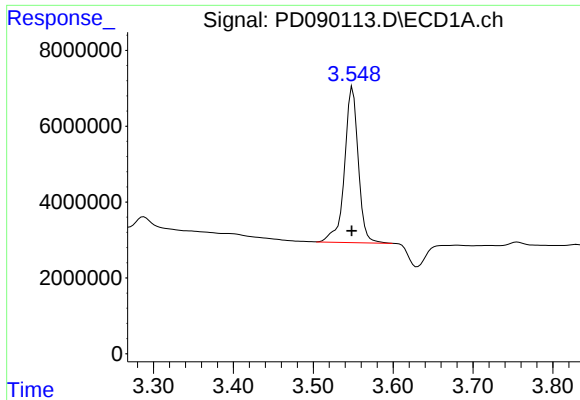
Manual Integrations
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Supervised By :mohammad ahmed 09/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 03 05:20:36 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





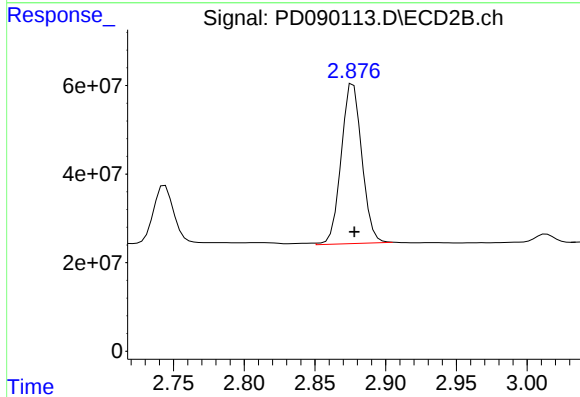
#1 Tetrachloro-m-xylene

R.T.: 3.548 min
Delta R.T.: 0.000 min
Response: 49179137
Conc: 16.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

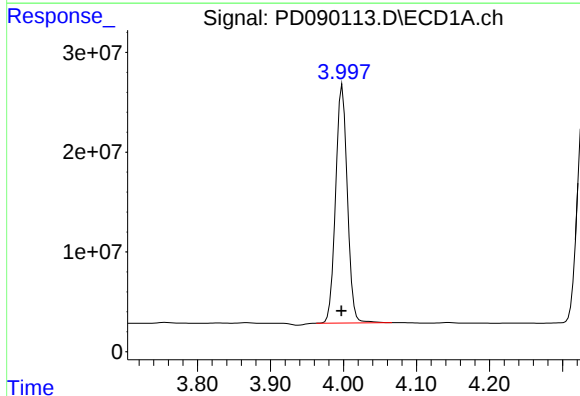
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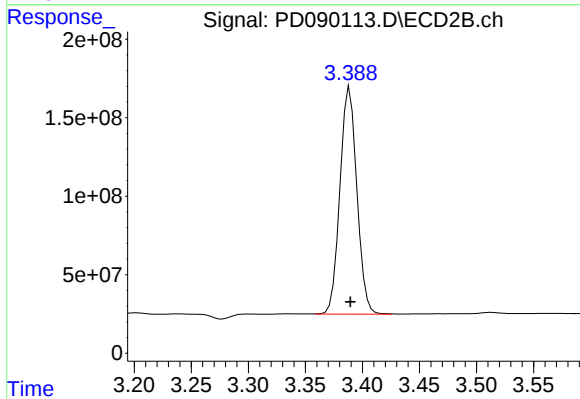
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 366568424
Conc: 16.62 ng/ml m



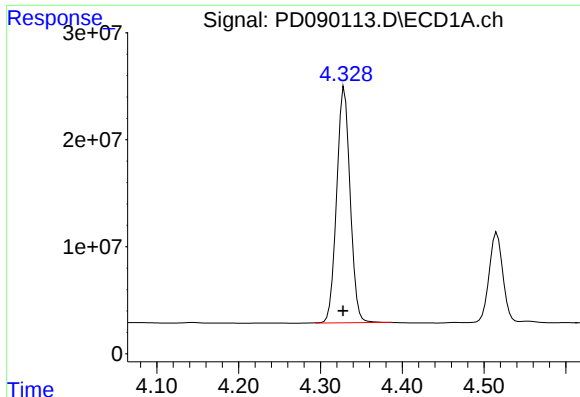
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.001 min
Response: 266127611
Conc: 44.34 ng/ml



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.002 min
Response: 1494666096
Conc: 44.04 ng/ml m



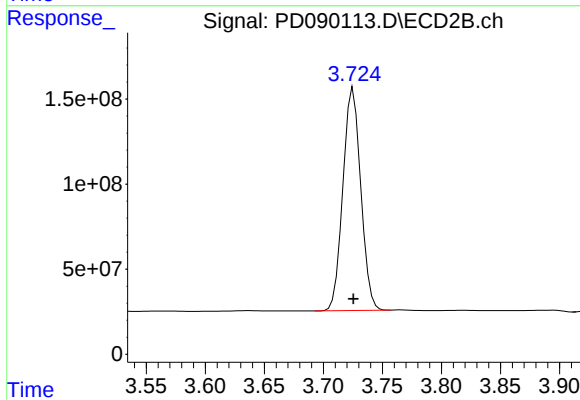
#3 gamma-BHC (Lindane)

R.T.: 4.328 min
Delta R.T.: 0.000 min
Response: 252037703
Conc: 44.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

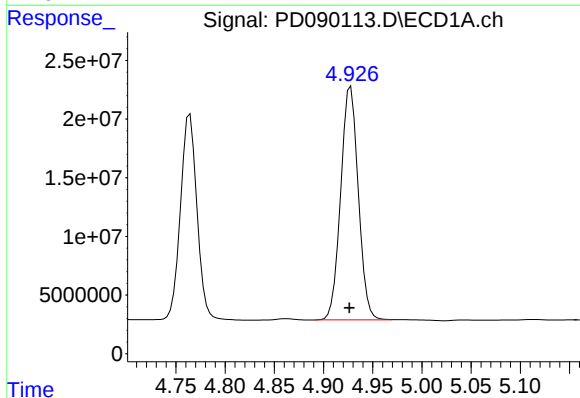
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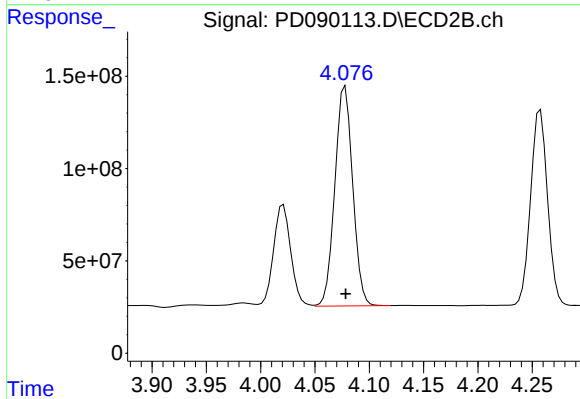
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1376888141
Conc: 44.17 ng/ml



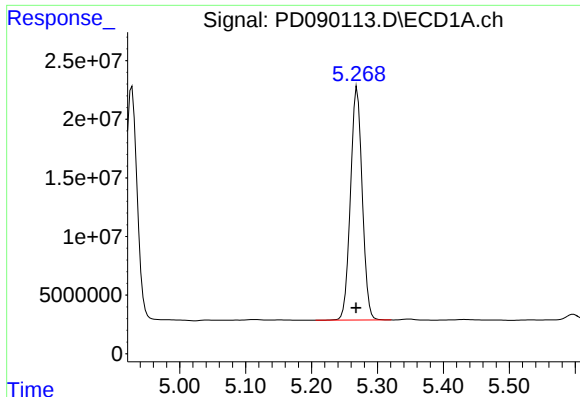
#4 Heptachlor

R.T.: 4.926 min
Delta R.T.: 0.000 min
Response: 247248800
Conc: 44.08 ng/ml m



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1360394073
Conc: 43.61 ng/ml



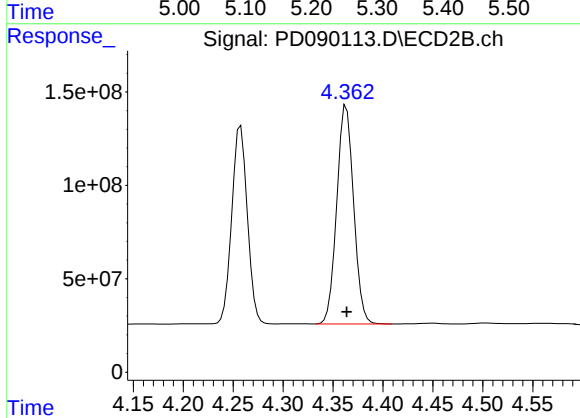
#5 Aldrin

R.T.: 5.269 min
Delta R.T.: 0.002 min
Response: 246512808
Conc: 45.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

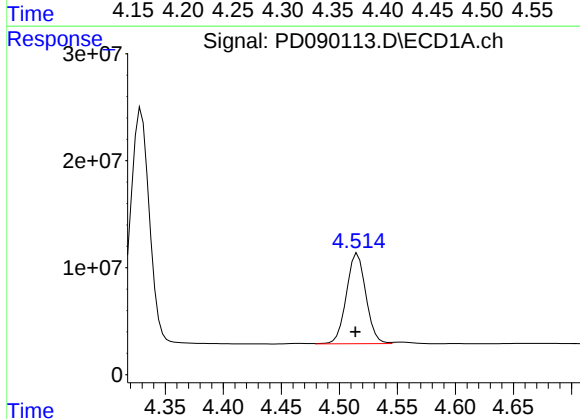
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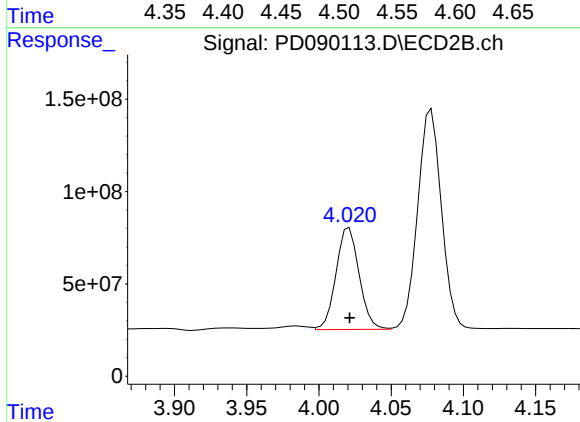
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1375625101
Conc: 45.17 ng/ml



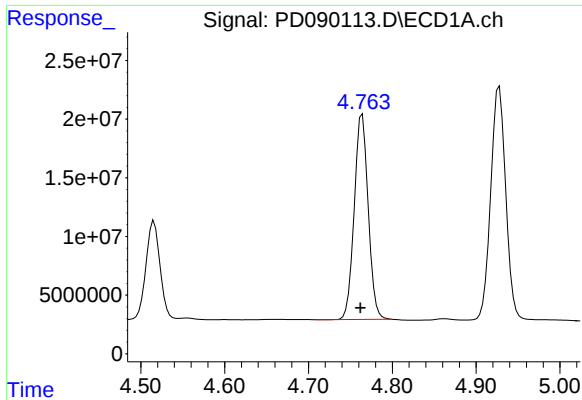
#6 beta-BHC

R.T.: 4.516 min
Delta R.T.: 0.002 min
Response: 98329408
Conc: 43.84 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 610841138
Conc: 45.82 ng/ml



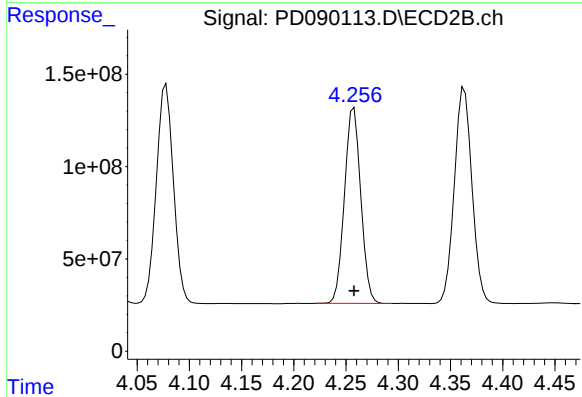
#7 delta-BHC

R.T.: 4.764 min
Delta R.T.: 0.002 min
Response: 202338967
Conc: 39.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

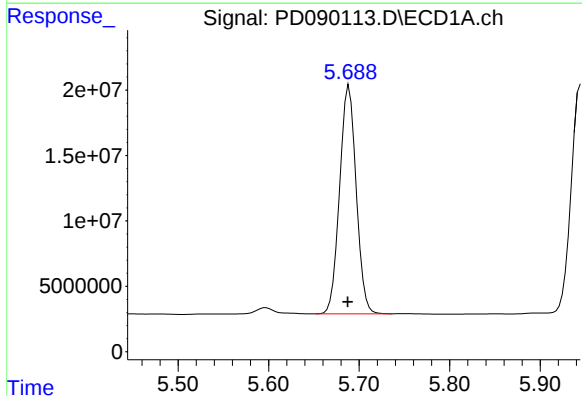
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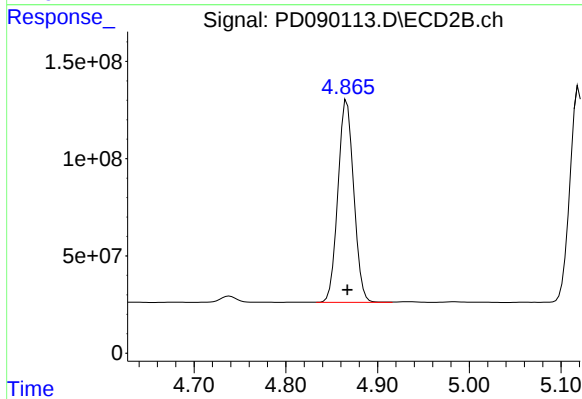
#7 delta-BHC

R.T.: 4.258 min
Delta R.T.: 0.000 min
Response: 1150033074
Conc: 36.45 ng/ml



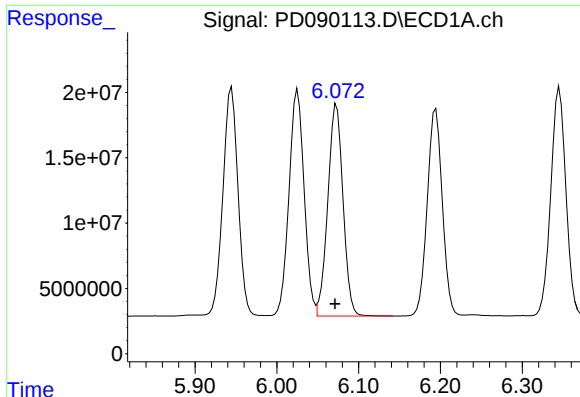
#8 Heptachlor epoxide

R.T.: 5.689 min
Delta R.T.: 0.002 min
Response: 221992206
Conc: 45.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1245257576
Conc: 44.96 ng/ml



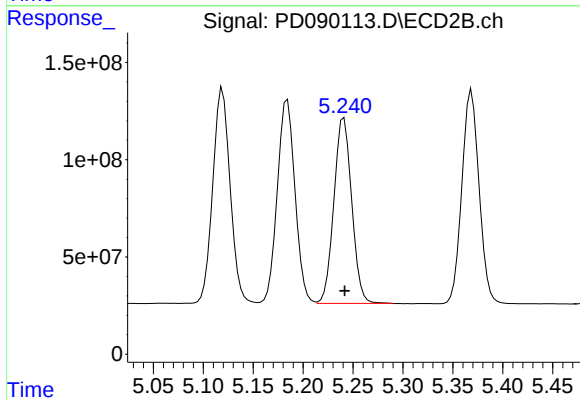
#9 Endosulfan I

R.T.: 6.073 min
Delta R.T.: 0.002 min
Response: 210077342
Conc: 45.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

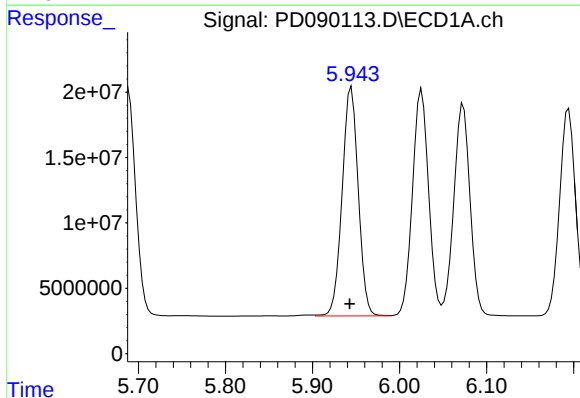
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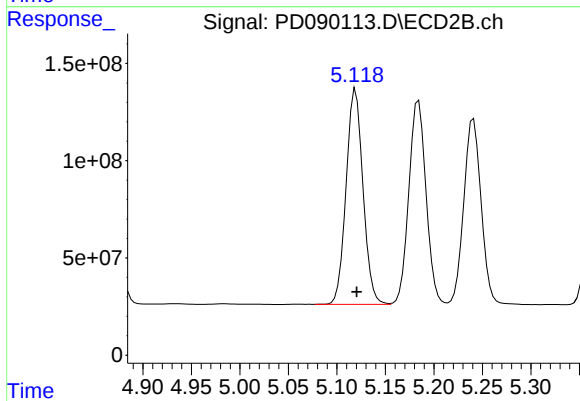
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: 0.000 min
Response: 1185618586
Conc: 45.22 ng/ml



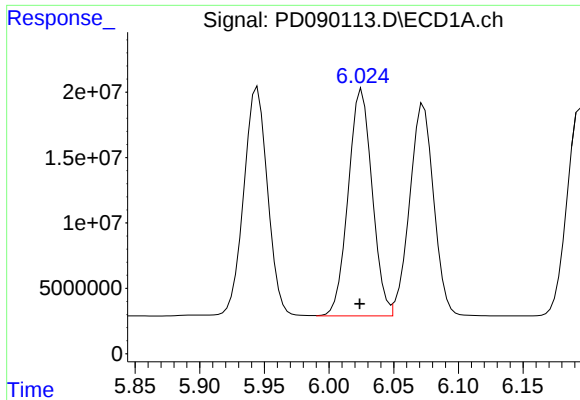
#10 gamma-Chlordane

R.T.: 5.945 min
Delta R.T.: 0.002 min
Response: 224882419
Conc: 45.98 ng/ml



#10 gamma-Chlordane

R.T.: 5.119 min
Delta R.T.: 0.000 min
Response: 1339934692
Conc: 45.25 ng/ml



#11 alpha-Chlordane

R.T.: 6.025 min
Delta R.T.: 0.002 min
Response: 222861859
Conc: 45.27 ng/ml

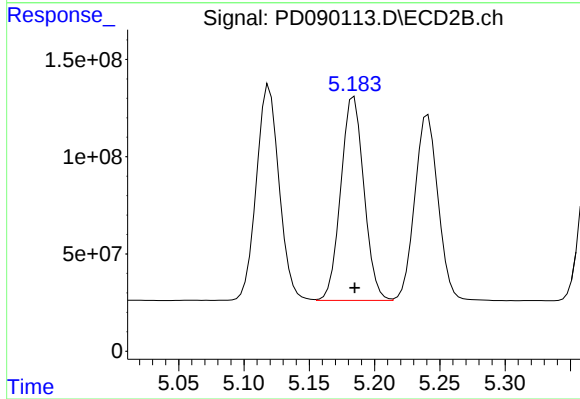
Instrument :

ECD_D

ClientSampleId :
SOUTH-TP-5MSD

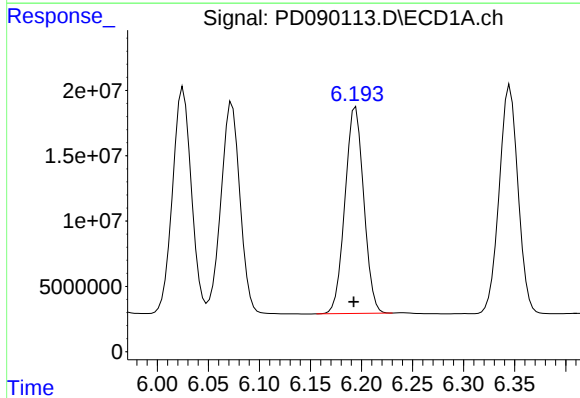
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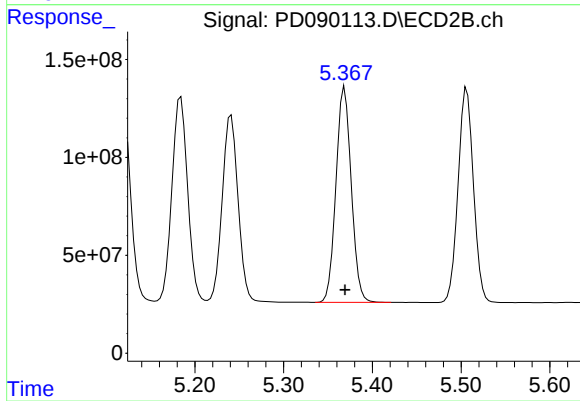
#11 alpha-Chlordane

R.T.: 5.184 min
Delta R.T.: 0.000 min
Response: 1292438822
Conc: 45.29 ng/ml



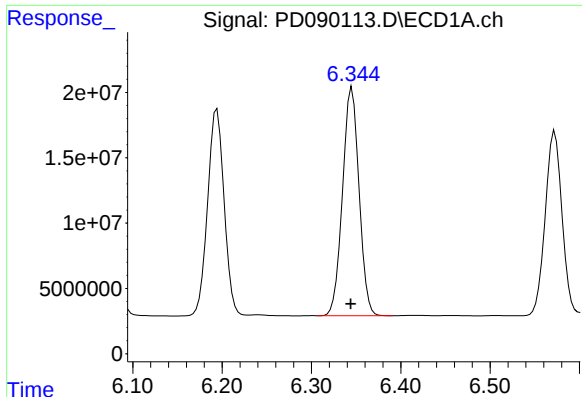
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.002 min
Response: 202309945
Conc: 46.10 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1317157944
Conc: 45.70 ng/ml



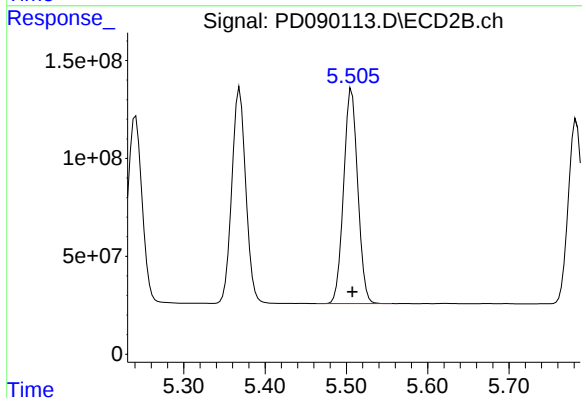
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.001 min
Response: 224296671
Conc: 45.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

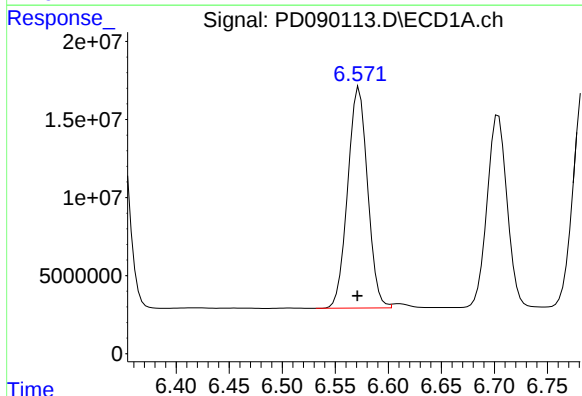
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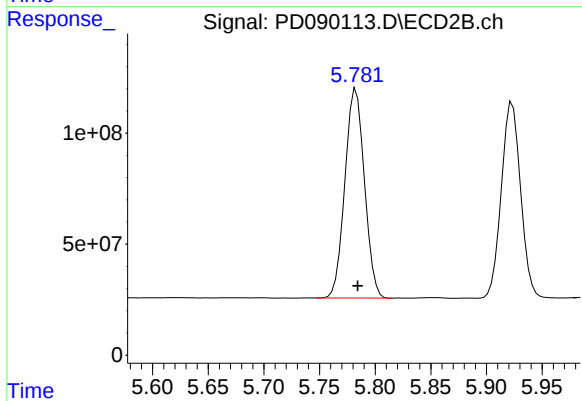
#13 Dieldrin

R.T.: 5.506 min
Delta R.T.: 0.000 min
Response: 1319579182
Conc: 45.06 ng/ml



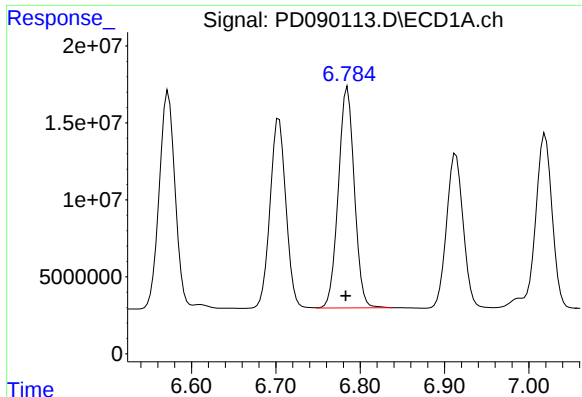
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 184162328
Conc: 44.45 ng/ml



#14 Endrin

R.T.: 5.783 min
Delta R.T.: -0.001 min
Response: 1152063171
Conc: 43.26 ng/ml



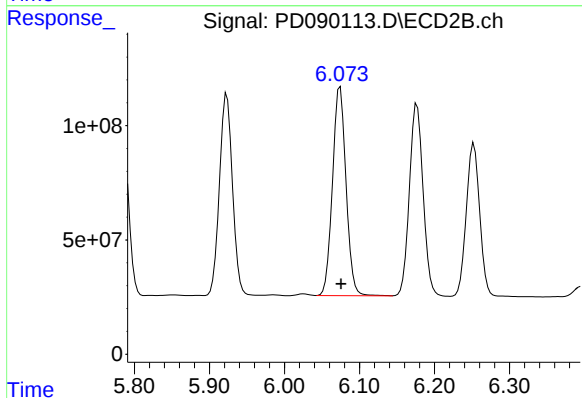
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.002 min
Response: 188875605
Conc: 44.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

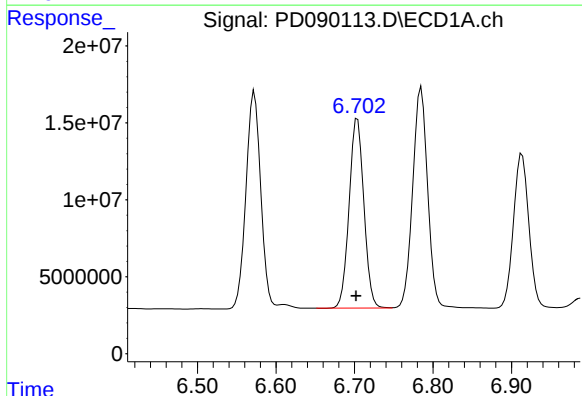
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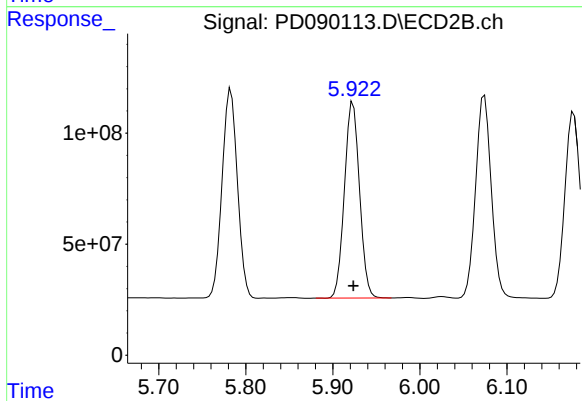
#15 Endosulfan II

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 1148086299
Conc: 45.39 ng/ml



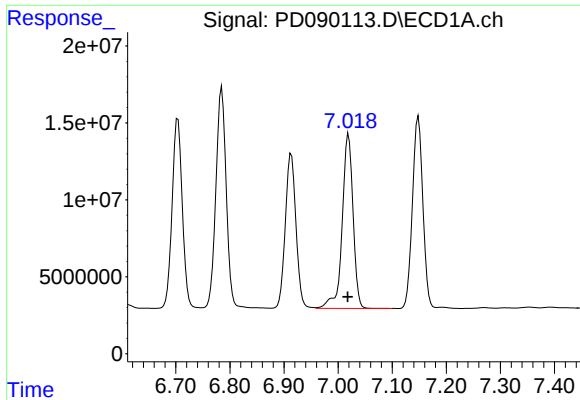
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.002 min
Response: 160946483
Conc: 46.53 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 1062881301
Conc: 44.21 ng/ml



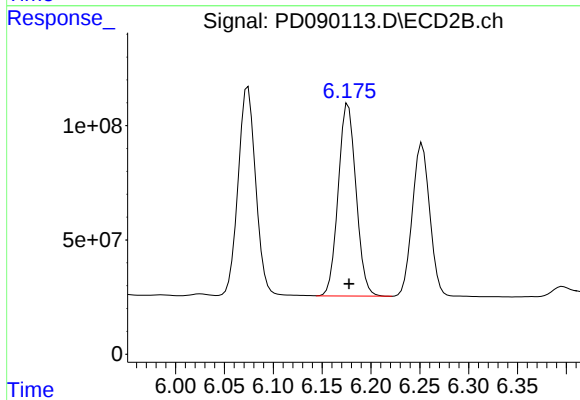
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.001 min
Response: 158269594
Conc: 41.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

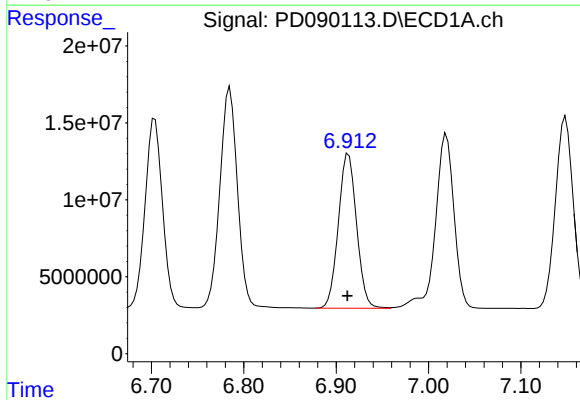
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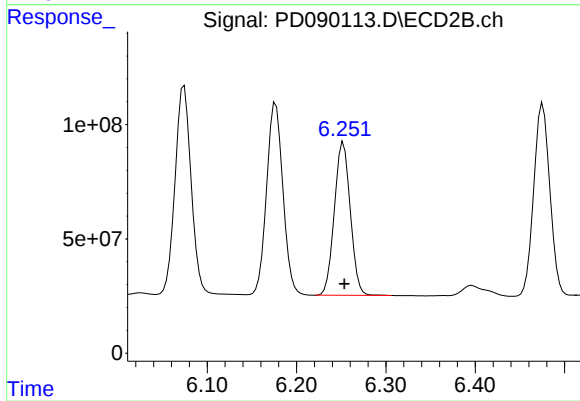
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1070167085
Conc: 42.69 ng/ml



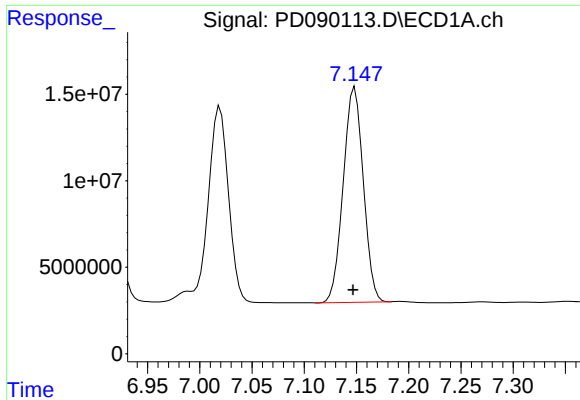
#18 Endrin aldehyde

R.T.: 6.913 min
Delta R.T.: 0.001 min
Response: 137692694
Conc: 48.02 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 830698585
Conc: 48.24 ng/ml



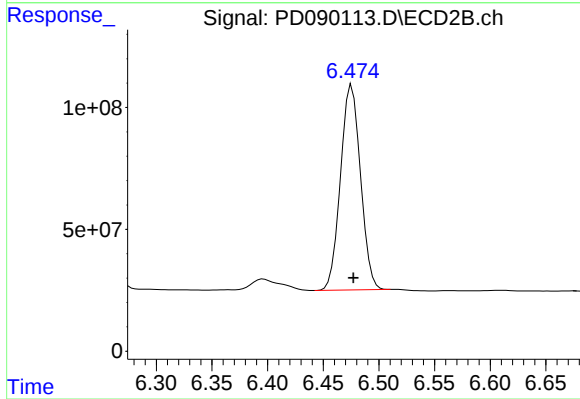
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.002 min
Response: 166333316
Conc: 42.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

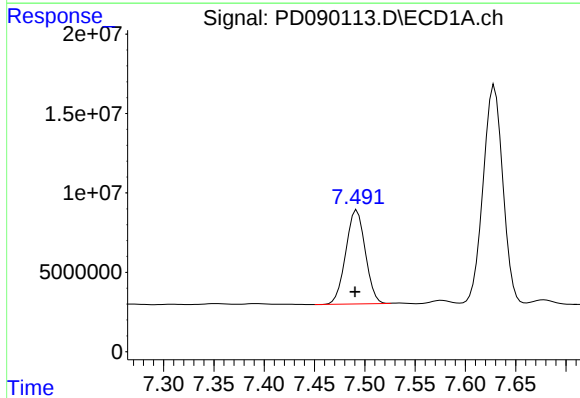
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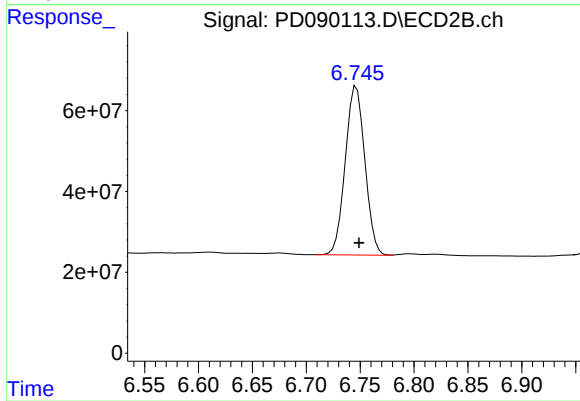
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1052476247
Conc: 43.17 ng/ml



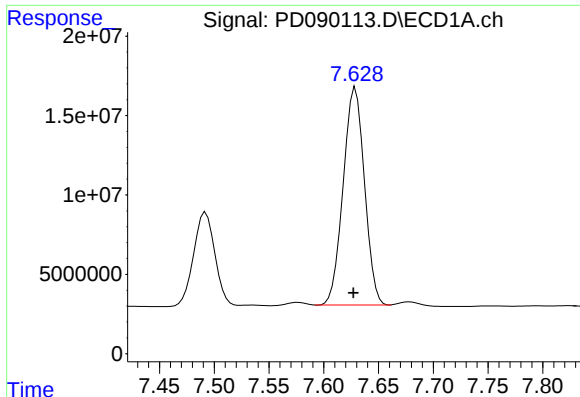
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.002 min
Response: 79590757
Conc: 39.68 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 529433340
Conc: 41.05 ng/ml



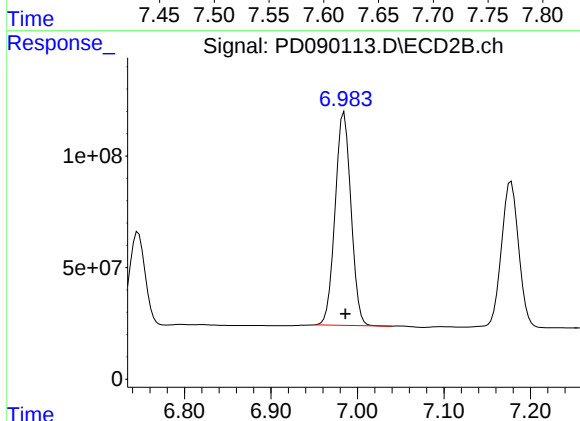
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.002 min
Response: 185225811
Conc: 44.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

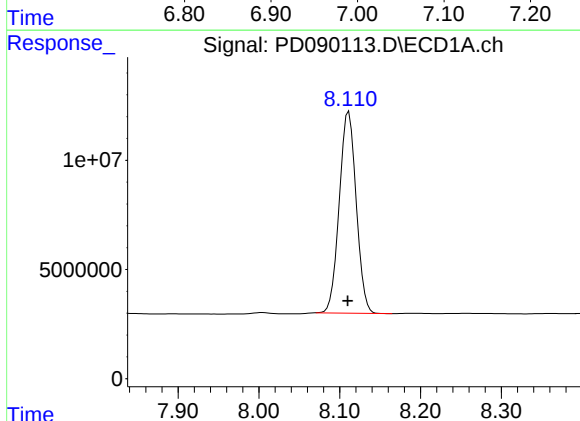
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/03/2025
Supervised By :mohammad ahmed 09/04/2025



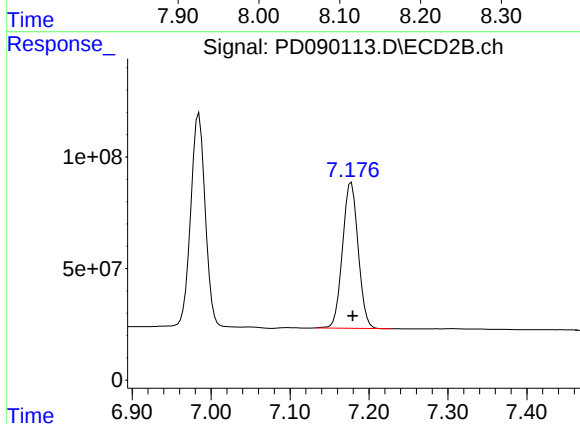
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.002 min
Response: 1208086465
Conc: 45.34 ng/ml



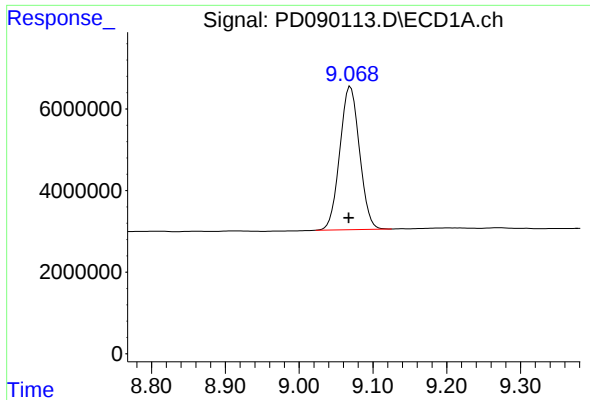
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.001 min
Response: 134257857
Conc: 42.56 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: -0.002 min
Response: 900316764
Conc: 43.59 ng/ml



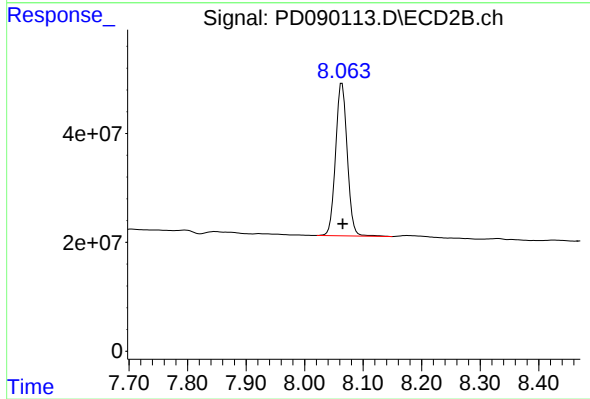
#28 Decachlorobiphenyl

R.T.: 9.070 min
Delta R.T.: 0.003 min
Response: 64994303
Conc: 15.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/03/2025
Supervised By :mohammad ahmed 09/04/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 388020141
Conc: 14.99 ng/ml