

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090225\
 Data File : PD090112.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Sep 2025 14:51
 Operator : AR\AJ
 Sample : Q2989-01MS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 SOUTH-TP-5MS

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 05:20:27 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...	3.555	2.875	49516514	371.0E6	16.872	16.824m
28)	SA Decachlor...	9.078	8.067	66725624	390.8E6	15.460	15.095
Target Compounds							
2)	A alpha-BHC	4.005	3.387	274.8E6	1504.6E6	45.780	44.334m
3)	MA gamma-BHC...	4.335	3.725	258.3E6	1385.0E6	45.100m	44.433
4)	MA Heptachlor	4.933	4.078	252.8E6	1353.7E6	45.077m	43.399
5)	MB Aldrin	5.276	4.363	251.3E6	1379.3E6	46.416	45.290
6)	B beta-BHC	4.522	4.021	99417331	612.0E6	44.323	45.907
7)	B delta-BHC	4.771	4.257	205.7E6	1156.9E6	39.726	36.668
8)	B Heptachlo...	5.696	4.868	226.6E6	1253.3E6	46.182	45.253
9)	A Endosulfan I	6.079	5.242	214.7E6	1195.9E6	46.532	45.607
10)	B gamma-Chl...	5.951	5.120	231.7E6	1357.2E6	47.376	45.835
11)	B alpha-Chl...	6.032	5.185	228.2E6	1307.5E6	46.361	45.817
12)	B 4,4'-DDE	6.201	5.370	206.4E6	1330.6E6	47.041	46.165
13)	MA Dieldrin	6.352	5.507	228.9E6	1329.5E6	46.765	45.396
14)	MA Endrin	6.579	5.784	187.9E6	1161.4E6	45.355	43.610
15)	B Endosulfa...	6.792	6.075	189.7E6	1150.6E6	44.952	45.487
16)	A 4,4'-DDD	6.710	5.924	164.1E6	1067.2E6	47.436	44.386
17)	MA 4,4'-DDT	7.026	6.178	160.0E6	1073.6E6	41.986	42.825
18)	B Endrin al...	6.920	6.254	122.3E6	725.6E6	42.666	42.138
19)	B Endosulfa...	7.154	6.478	166.0E6	1038.7E6	42.353	42.607
20)	A Methoxychlor	7.498	6.749	79980670	523.9E6	39.878	40.623
21)	B Endrin ke...	7.635	6.987	185.7E6	1204.7E6	44.810	45.215
22)	Mirex	8.118	7.180	137.0E6	909.7E6	43.431	44.043

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090225\
Data File : PD090112.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Sep 2025 14:51
Operator : AR\AJ
Sample : Q2989-01MS
Misc :
ALS Vial : 9 Sample Multiplier: 1

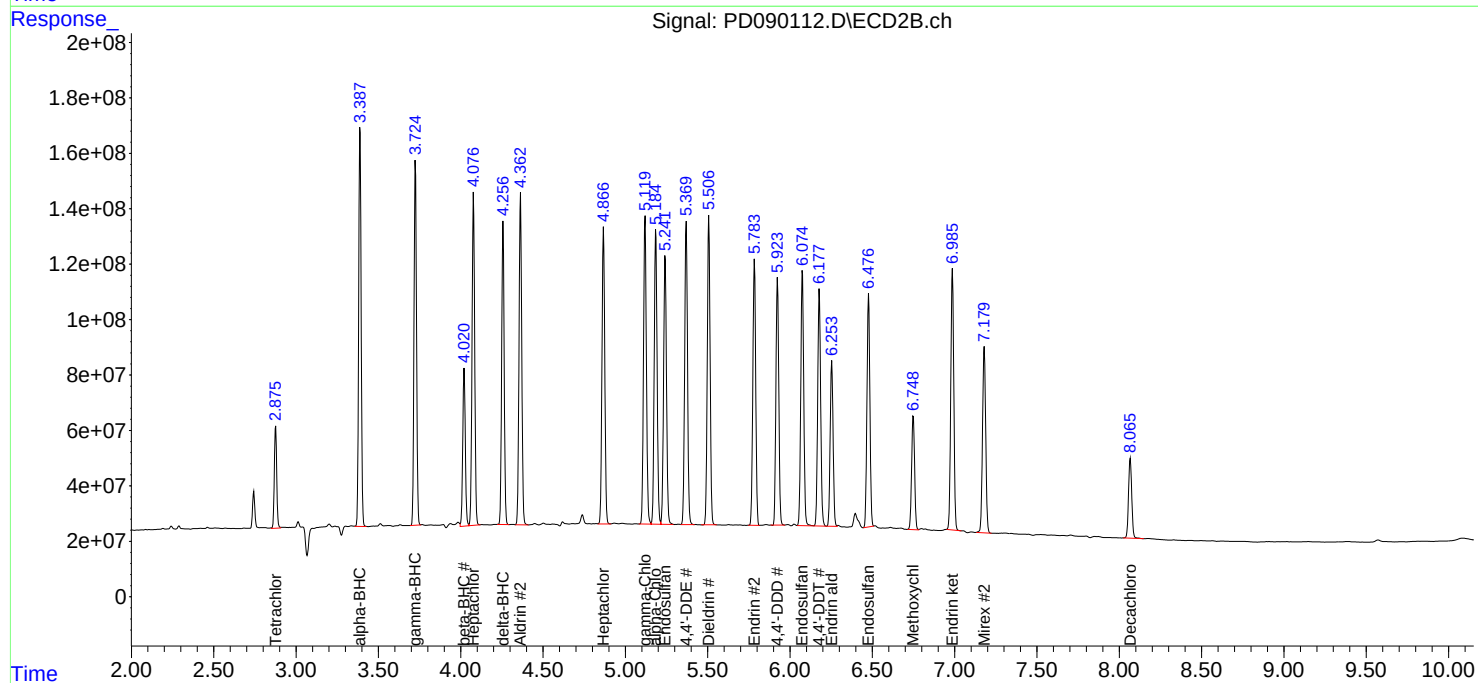
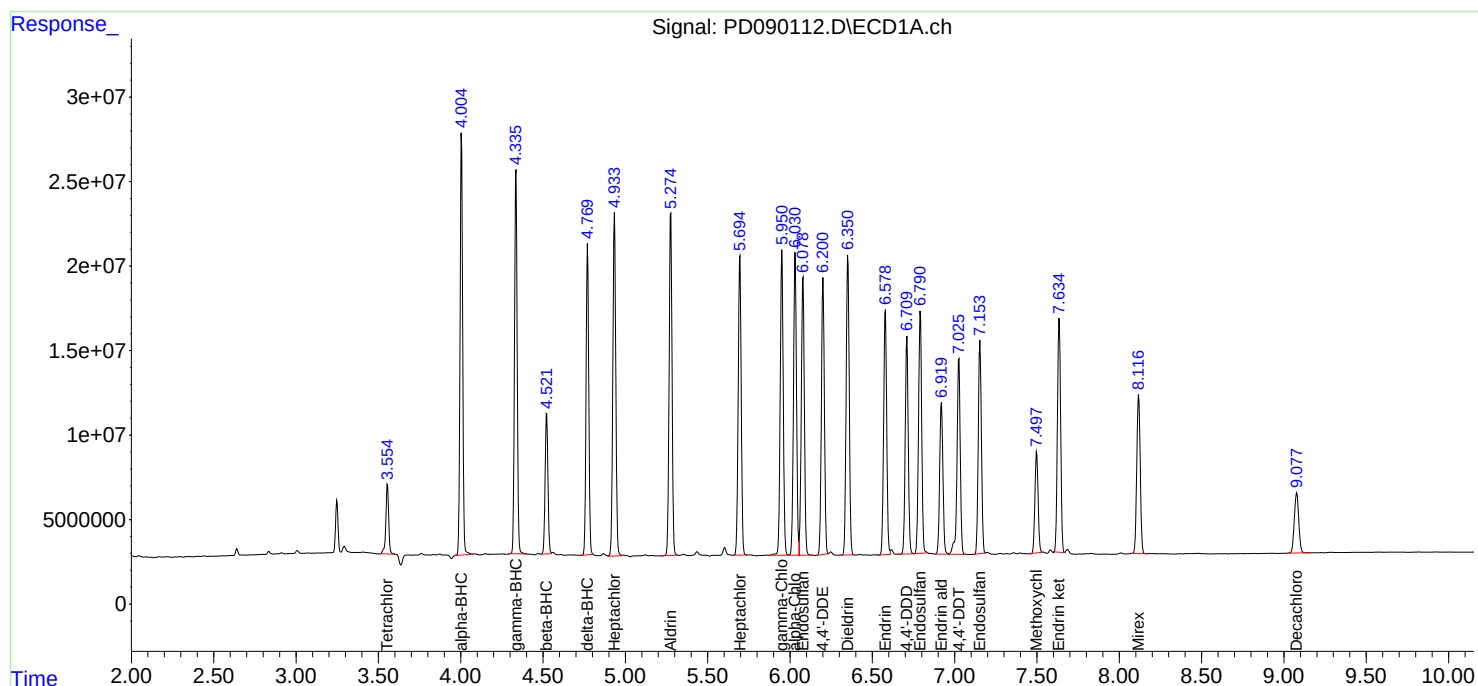
Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

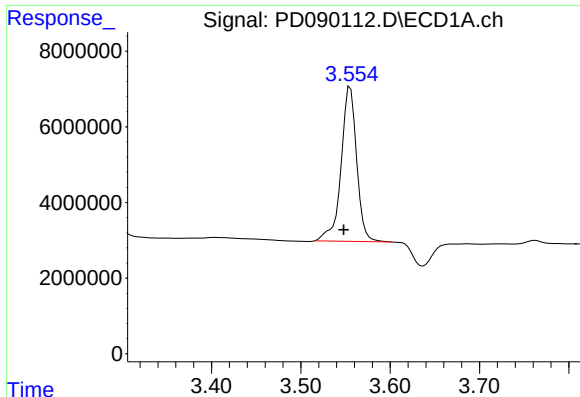
Manual Integrations
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Supervised By :mohammad ahmed 09/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 03 05:20:27 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





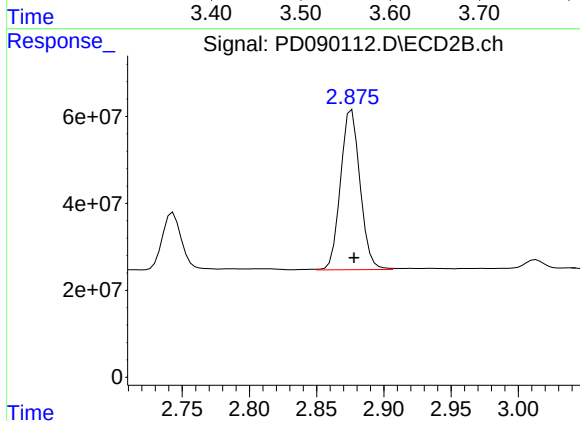
#1 Tetrachloro-m-xylene

R.T.: 3.555 min
Delta R.T.: 0.007 min
Response: 49516514
Conc: 16.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

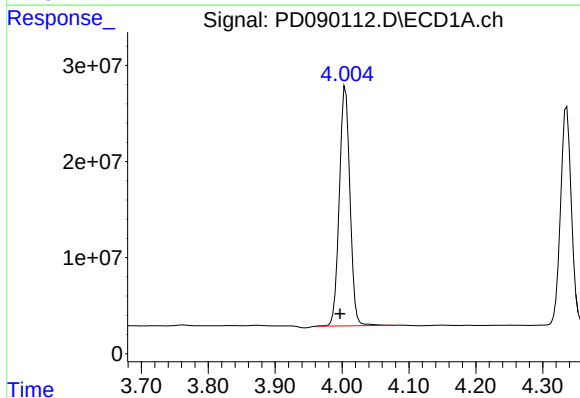
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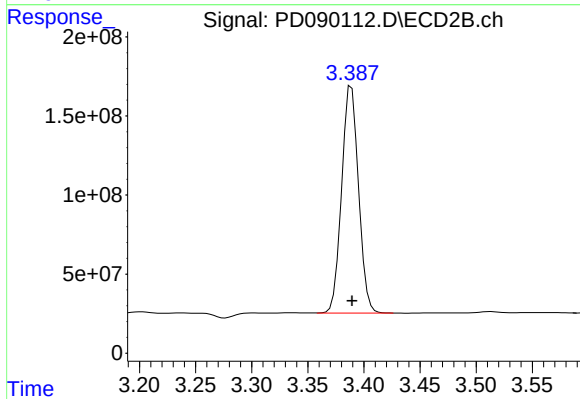
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.003 min
Response: 370983851
Conc: 16.82 ng/ml m



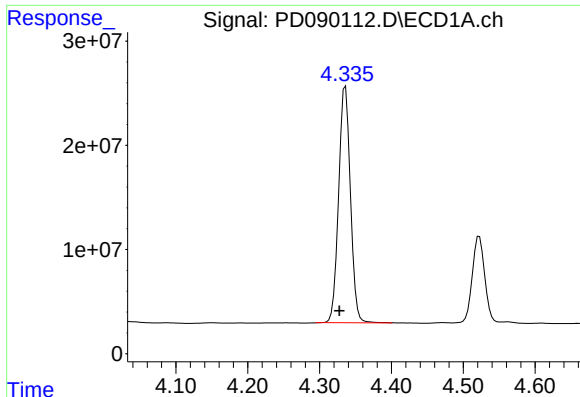
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.008 min
Response: 274780012
Conc: 45.78 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.002 min
Response: 1504649478
Conc: 44.33 ng/ml m



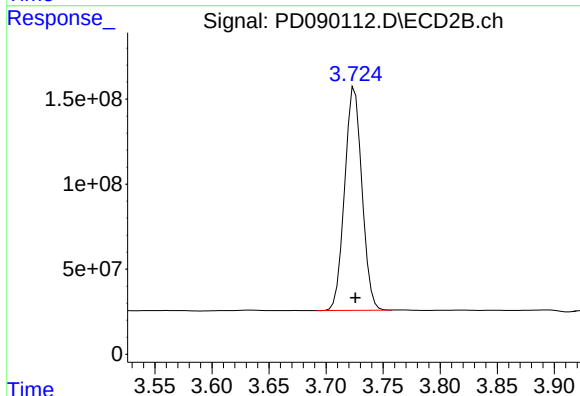
#3 gamma-BHC (Lindane)

R.T.: 4.335 min
Delta R.T.: 0.007 min
Response: 258278170
Conc: 45.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

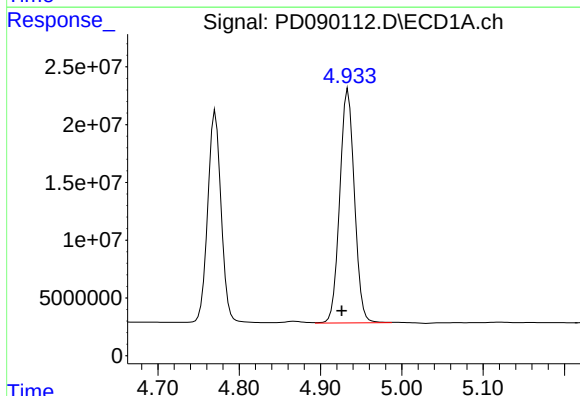
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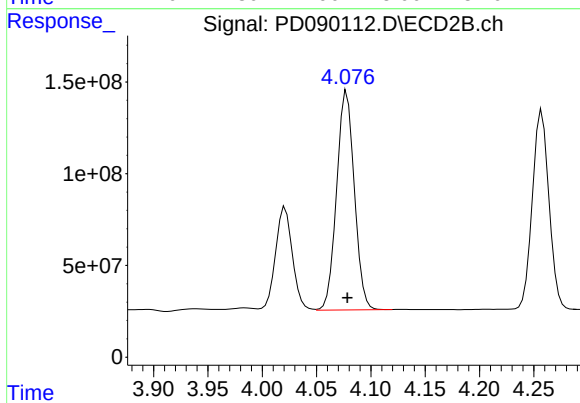
#3 gamma-BHC (Lindane)

R.T.: 3.725 min
Delta R.T.: 0.000 min
Response: 1385002011
Conc: 44.43 ng/ml



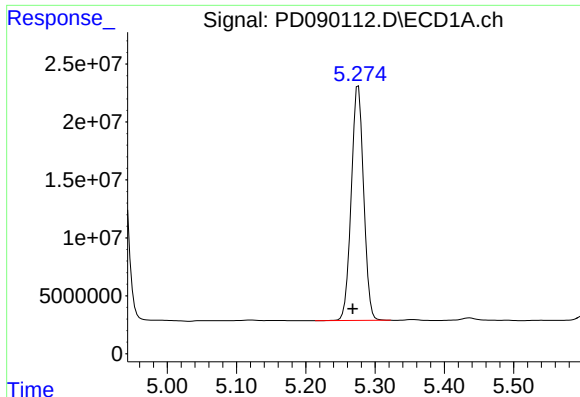
#4 Heptachlor

R.T.: 4.933 min
Delta R.T.: 0.006 min
Response: 252845094
Conc: 45.08 ng/ml m



#4 Heptachlor

R.T.: 4.078 min
Delta R.T.: 0.000 min
Response: 1353700998
Conc: 43.40 ng/ml



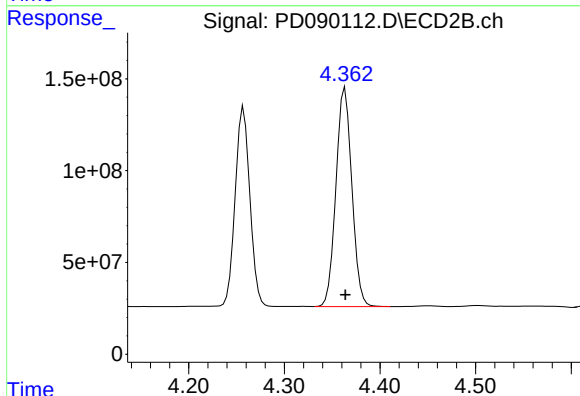
#5 Aldrin

R.T.: 5.276 min
Delta R.T.: 0.008 min
Response: 251322864
Conc: 46.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

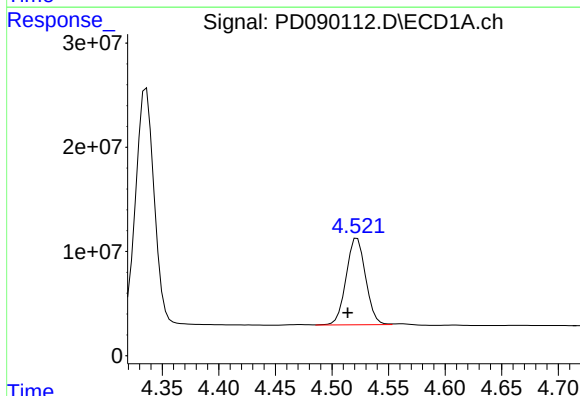
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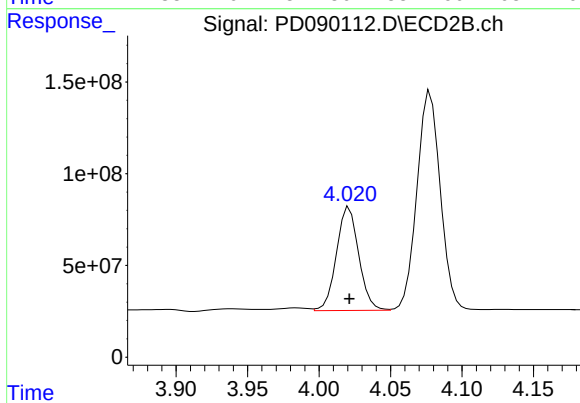
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1379340195
Conc: 45.29 ng/ml



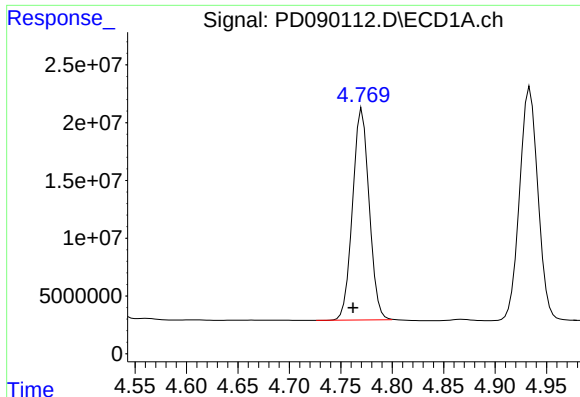
#6 beta-BHC

R.T.: 4.522 min
Delta R.T.: 0.008 min
Response: 99417331
Conc: 44.32 ng/ml



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 611955078
Conc: 45.91 ng/ml



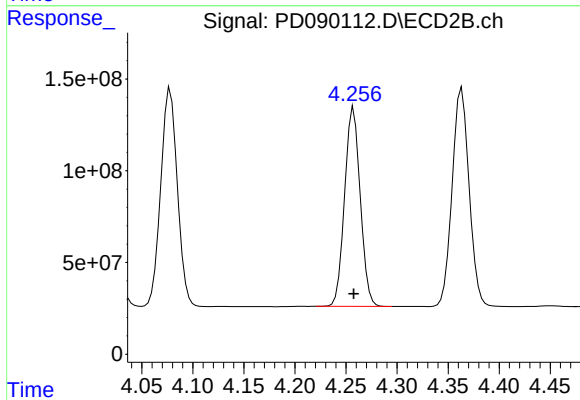
#7 delta-BHC

R.T.: 4.771 min
Delta R.T.: 0.009 min
Response: 205689056
Conc: 39.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

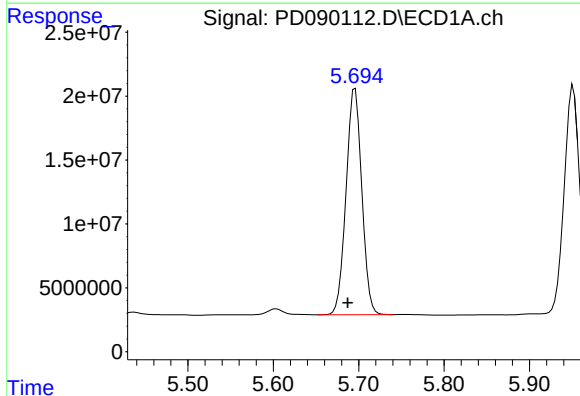
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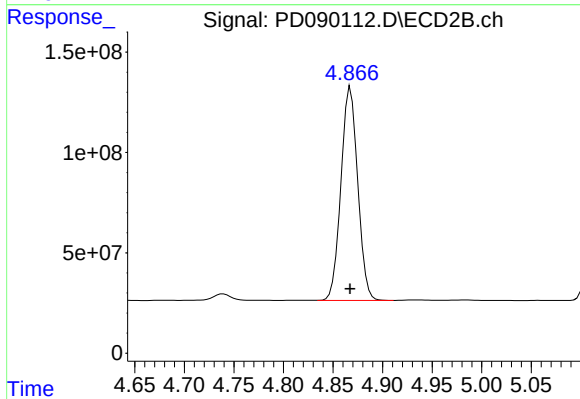
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1156880682
Conc: 36.67 ng/ml



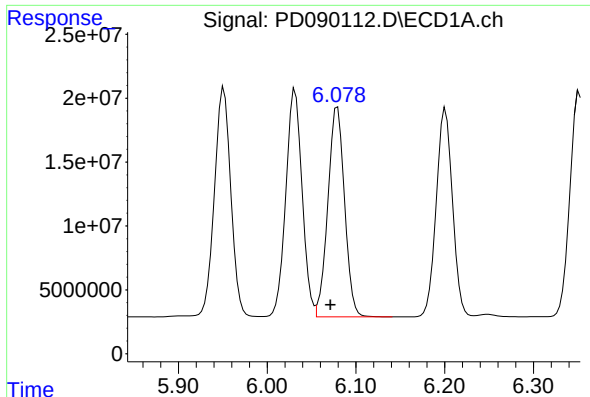
#8 Heptachlor epoxide

R.T.: 5.696 min
Delta R.T.: 0.009 min
Response: 226604709
Conc: 46.18 ng/ml



#8 Heptachlor epoxide

R.T.: 4.868 min
Delta R.T.: 0.000 min
Response: 1253275521
Conc: 45.25 ng/ml



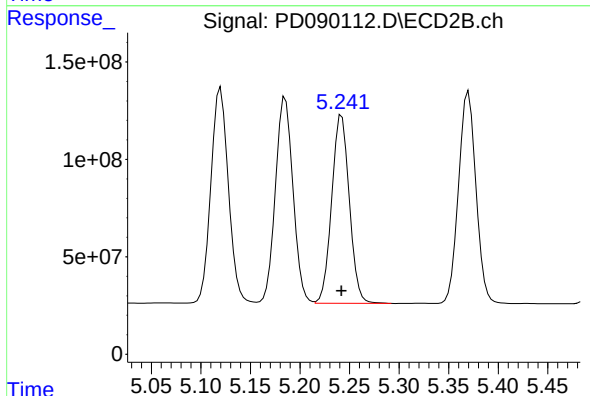
#9 Endosulfan I

R.T.: 6.079 min
Delta R.T.: 0.008 min
Response: 214739811
Conc: 46.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

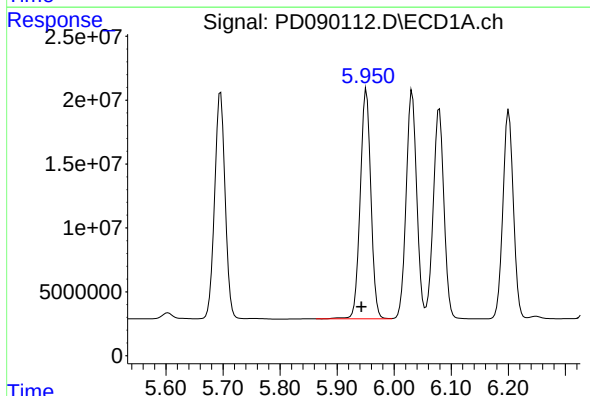
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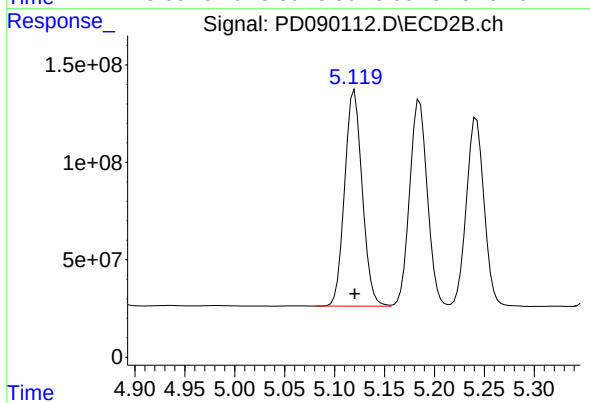
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1195900536
Conc: 45.61 ng/ml



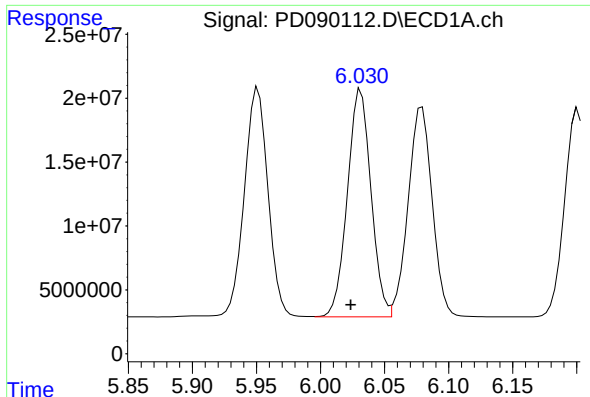
#10 gamma-Chlordane

R.T.: 5.951 min
Delta R.T.: 0.009 min
Response: 231717033
Conc: 47.38 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1357228830
Conc: 45.83 ng/ml



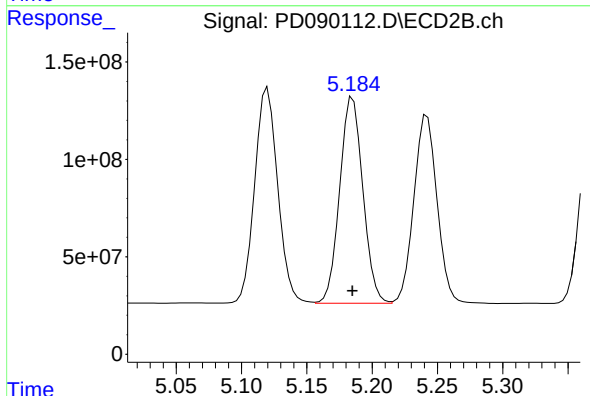
#11 alpha-Chlordane

R.T.: 6.032 min
Delta R.T.: 0.008 min
Response: 228209563
Conc: 46.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

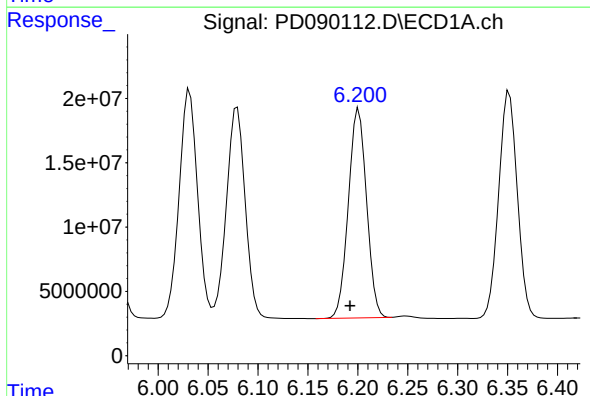
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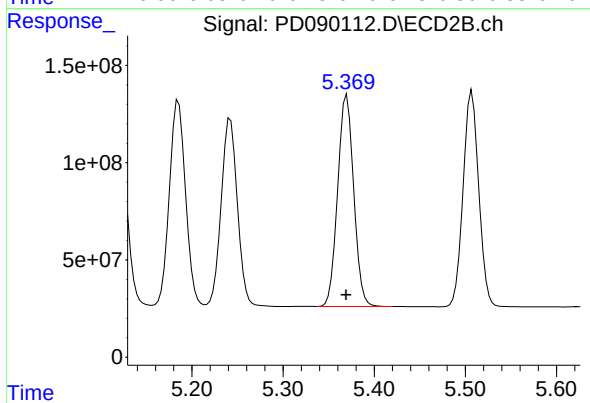
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1307540855
Conc: 45.82 ng/ml



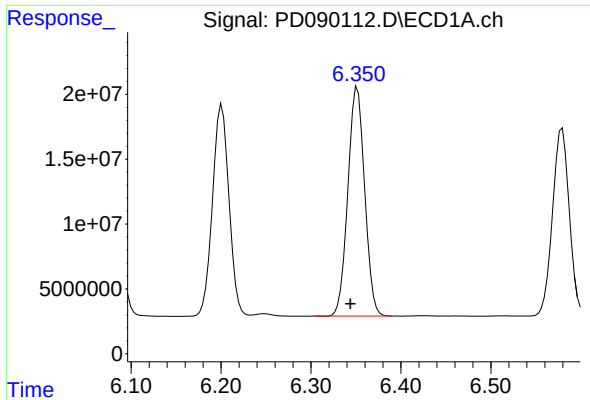
#12 4,4'-DDE

R.T.: 6.201 min
Delta R.T.: 0.009 min
Response: 206430585
Conc: 47.04 ng/ml



#12 4,4'-DDE

R.T.: 5.370 min
Delta R.T.: 0.000 min
Response: 1330590357
Conc: 46.16 ng/ml



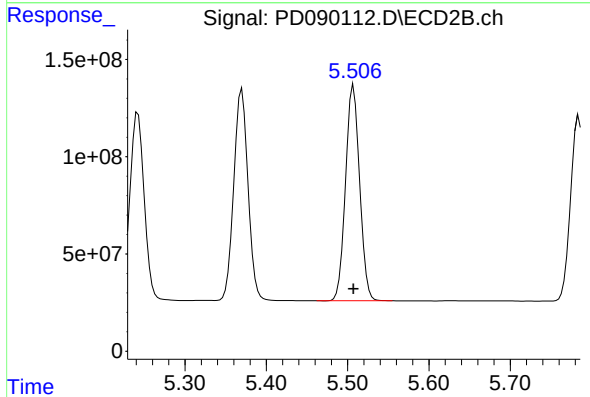
#13 Dieldrin

R.T.: 6.352 min
Delta R.T.: 0.008 min
Response: 228949859
Conc: 46.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

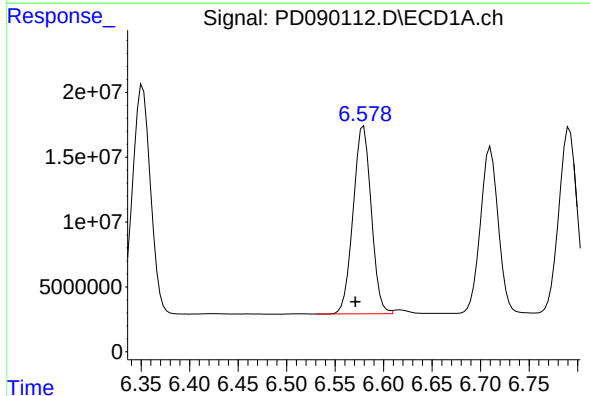
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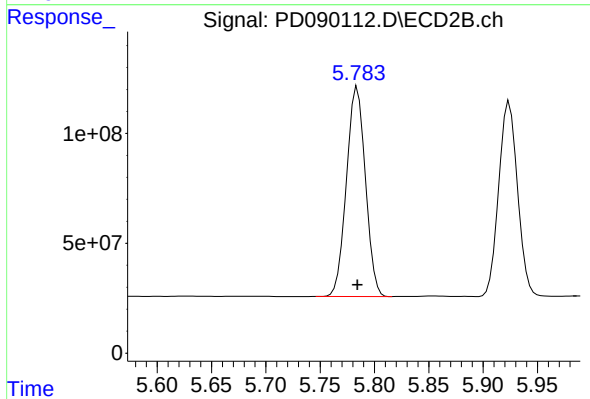
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1329531228
Conc: 45.40 ng/ml



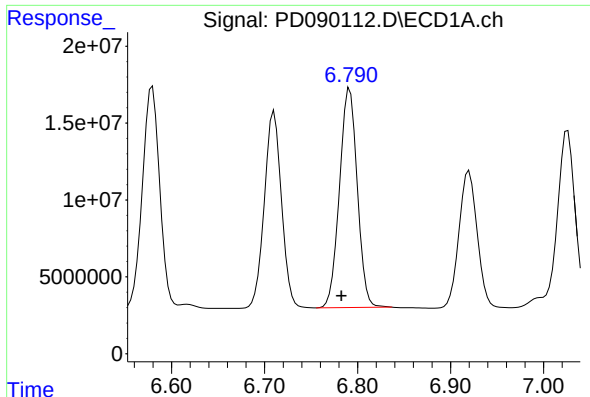
#14 Endrin

R.T.: 6.579 min
Delta R.T.: 0.008 min
Response: 187933146
Conc: 45.36 ng/ml



#14 Endrin

R.T.: 5.784 min
Delta R.T.: 0.000 min
Response: 1161442054
Conc: 43.61 ng/ml



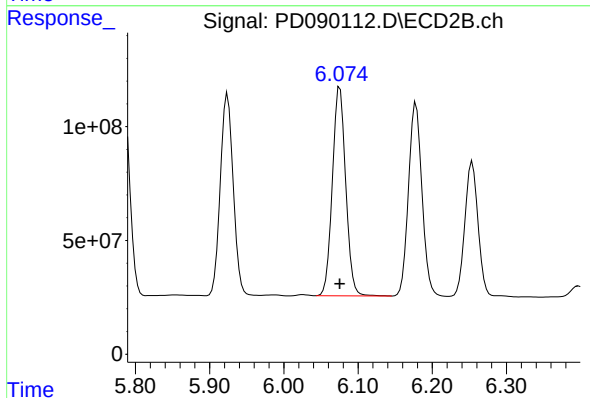
#15 Endosulfan II

R.T.: 6.792 min
Delta R.T.: 0.009 min
Response: 189686980
Conc: 44.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

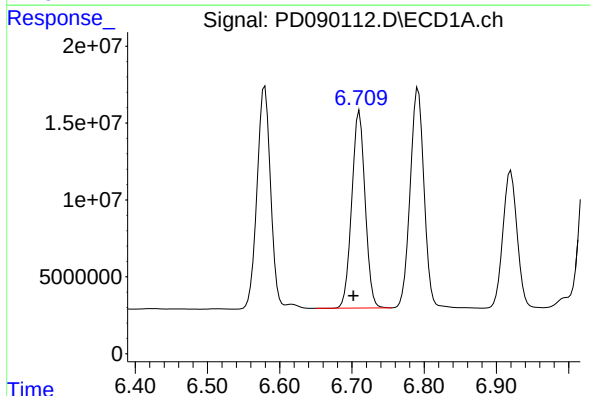
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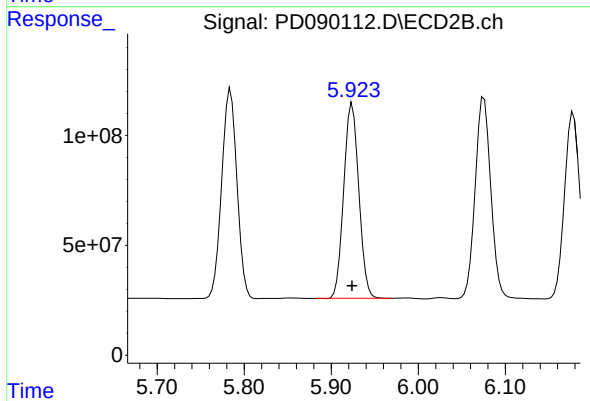
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1150570235
Conc: 45.49 ng/ml



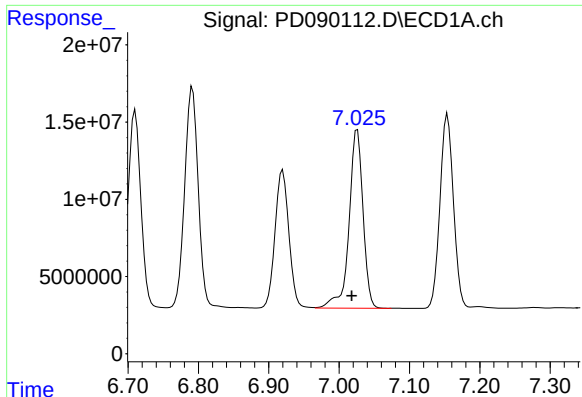
#16 4,4'-DDD

R.T.: 6.710 min
Delta R.T.: 0.008 min
Response: 164084721
Conc: 47.44 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.000 min
Response: 1067194315
Conc: 44.39 ng/ml



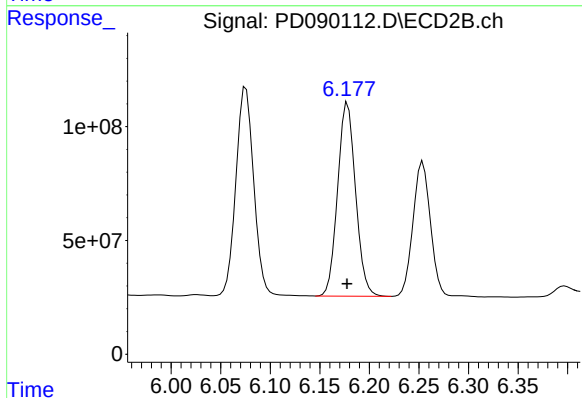
#17 4,4'-DDT

R.T.: 7.026 min
Delta R.T.: 0.008 min
Response: 159954718
Conc: 41.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

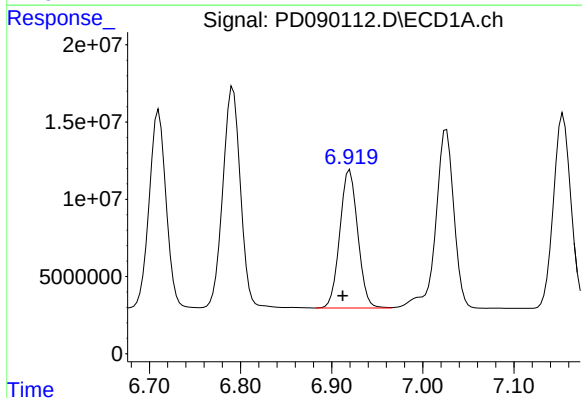
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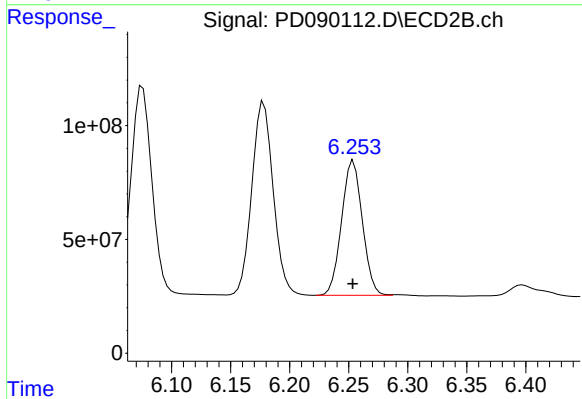
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.000 min
Response: 1073612950
Conc: 42.83 ng/ml



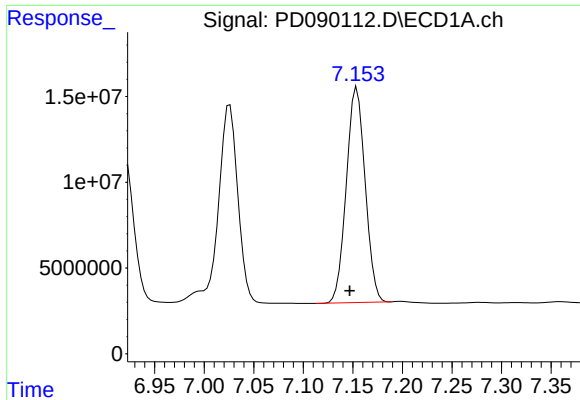
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.008 min
Response: 122329453
Conc: 42.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.254 min
Delta R.T.: 0.000 min
Response: 725620164
Conc: 42.14 ng/ml



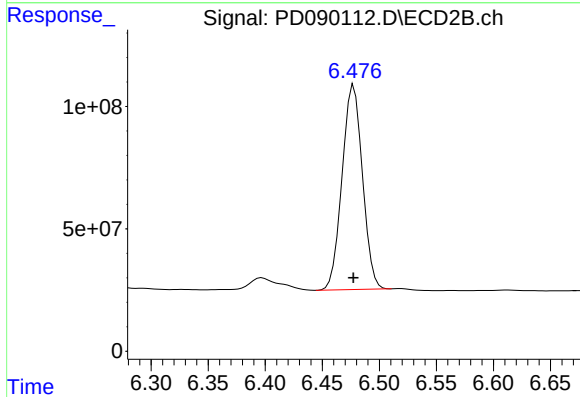
#19 Endosulfan Sulfate

R.T.: 7.154 min
Delta R.T.: 0.007 min
Response: 165959958
Conc: 42.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

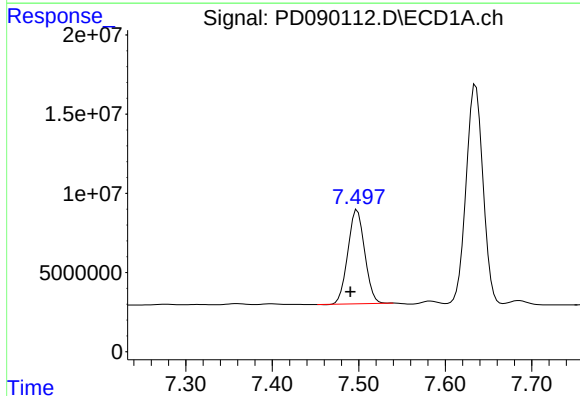
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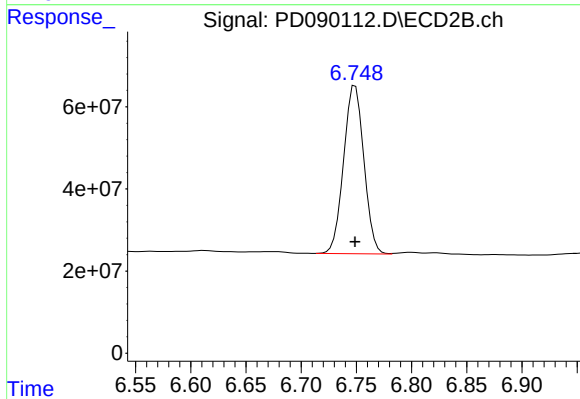
#19 Endosulfan Sulfate

R.T.: 6.478 min
Delta R.T.: 0.000 min
Response: 1038735321
Conc: 42.61 ng/ml



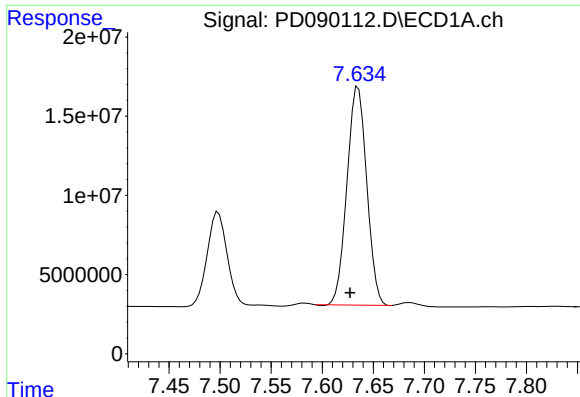
#20 Methoxychlor

R.T.: 7.498 min
Delta R.T.: 0.008 min
Response: 79980670
Conc: 39.88 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 523863427
Conc: 40.62 ng/ml



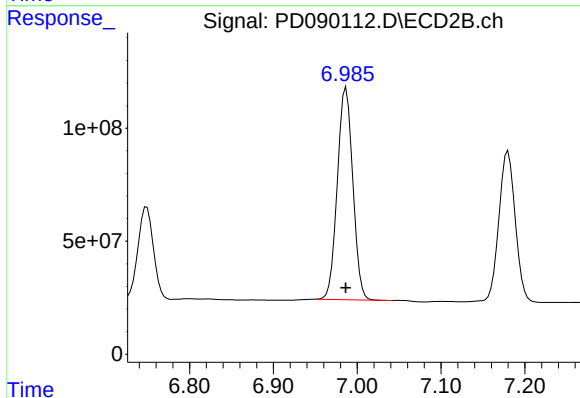
#21 Endrin ketone

R.T.: 7.635 min
Delta R.T.: 0.008 min
Response: 185716020
Conc: 44.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

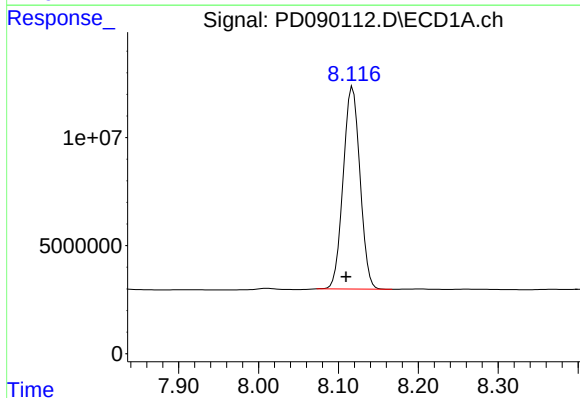
Manual Integrations
APPROVED

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



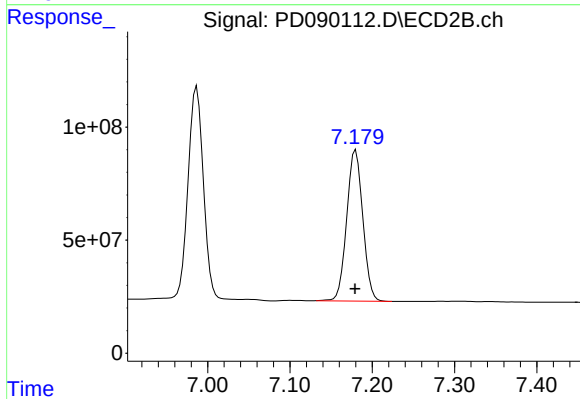
#21 Endrin ketone

R.T.: 6.987 min
Delta R.T.: 0.000 min
Response: 1204727864
Conc: 45.21 ng/ml



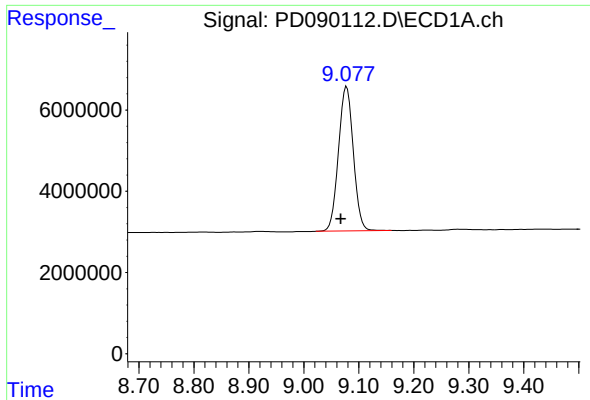
#22 Mirex

R.T.: 8.118 min
Delta R.T.: 0.008 min
Response: 137002321
Conc: 43.43 ng/ml



#22 Mirex

R.T.: 7.180 min
Delta R.T.: 0.000 min
Response: 909743355
Conc: 44.04 ng/ml



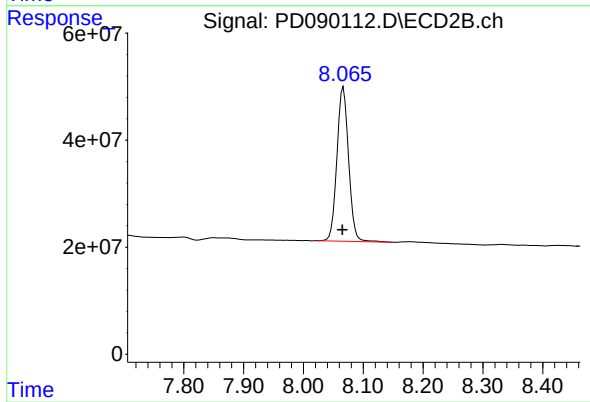
#28 Decachlorobiphenyl

R.T.: 9.078 min
Delta R.T.: 0.011 min
Response: 66725624
Conc: 15.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
SOUTH-TP-5MS

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#28 Decachlorobiphenyl

R.T.: 8.067 min
Delta R.T.: 0.001 min
Response: 390756015
Conc: 15.10 ng/ml