

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD090425\
 Data File : PD090151.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Sep 2025 15:52
 Operator : AR\AJ
 Sample : Q2893-08
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 LOQ-WATER-02-QT3-2025

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/05/2025
 Supervised By :mohammad ahmed 09/09/2025

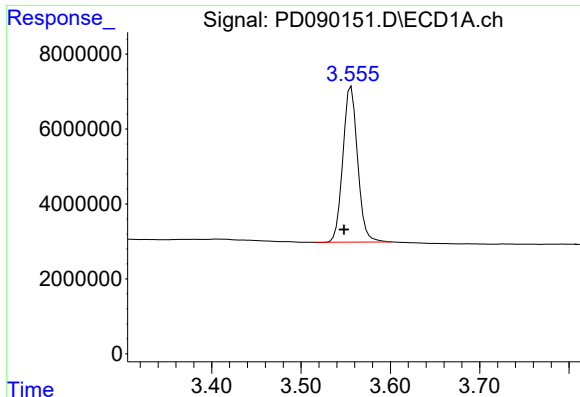
Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 05 02:03:39 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 2025
 Response via : Initial Calibration
 Integrator: ChemStation

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...	3.556	2.876	47553129	397.4E6	16.203	18.022m
28)	SA Decachlor...	9.081	8.068	77112569	487.8E6	17.867	18.845
Target Compounds							
2)	A alpha-BHC	4.005	3.390	24266365	187.2E6	4.043	5.517 #
3)	MA gamma-BHC...	4.337	3.726	25235026	167.0E6	4.406	5.359
4)	MA Heptachlor	4.935	4.079	25616397	166.6E6	4.567	5.340
5)	MB Aldrin	5.277	4.365	24520409	169.8E6	4.529	5.576
6)	B beta-BHC	4.524	4.022	11613510	73316749	5.178	5.500
7)	B delta-BHC	4.773	4.259	22581396	169.2E6	4.361	5.362
8)	B Heptachlo...	5.696	4.869	24254768	155.8E6	4.943m	5.626
9)	A Endosulfan I	6.081	5.243	22522769	140.4E6	4.880	5.356
10)	B gamma-Chl...	5.953	5.122	23123385	166.3E6	4.728	5.616
11)	B alpha-Chl...	6.033	5.186	23523842	158.9E6	4.779	5.567
12)	B 4,4'-DDE	6.203	5.371	19362408	161.0E6	4.412	5.586 #
13)	MA Dieldrin	6.353	5.509	22563950	164.1E6	4.609	5.605
14)	MA Endrin	6.581	5.787	18676916	189.2E6	4.507	7.105 #
15)	B Endosulfa...	6.794	6.077	21754354	143.8E6	5.155	5.683
16)	A 4,4'-DDD	6.711	5.926	16385298	141.2E6	4.737m	5.873
17)	MA 4,4'-DDT	7.028	6.179	15174404	117.0E6	3.983	4.668
18)	B Endrin al...	6.921	6.255	16146039	110.3E6	5.631m	6.406
19)	B Endosulfa...	7.157	6.479	19440418	138.3E6	4.961	5.673
20)	A Methoxychlor	7.501	6.750	8740566	62878666	4.358	4.876
21)	B Endrin ke...	7.637	6.988	20320097	151.7E6	4.903	5.694
22)	Mirex	8.120	7.182	15713008	110.1E6	4.981	5.329

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



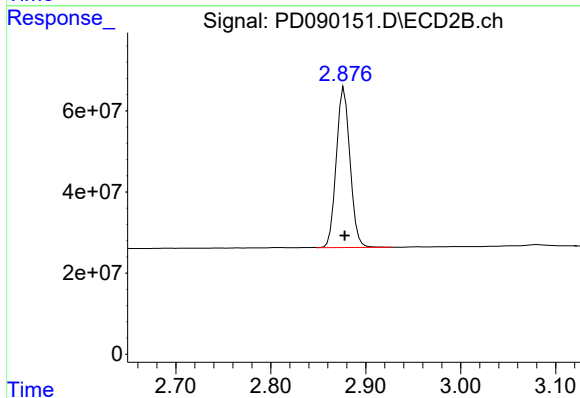
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.008 min
Response: 47553129
Conc: 16.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

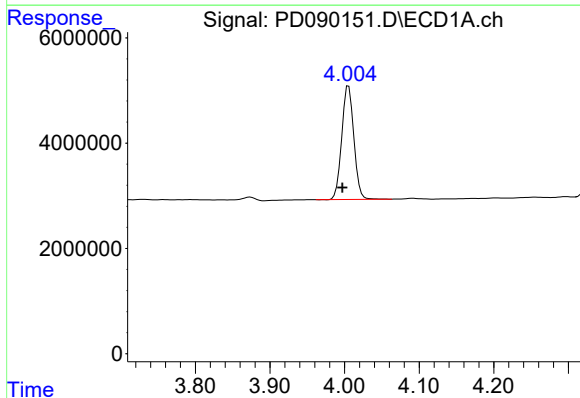
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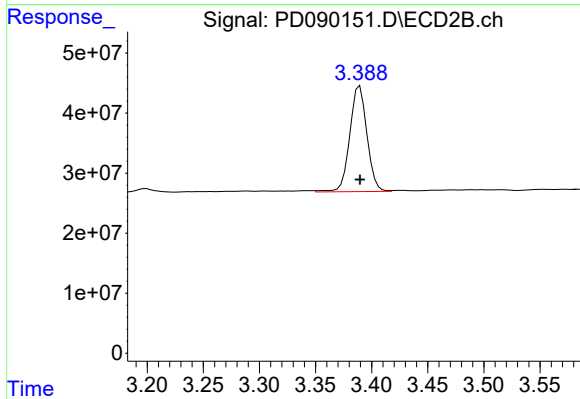
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 397404338
Conc: 18.02 ng/ml m



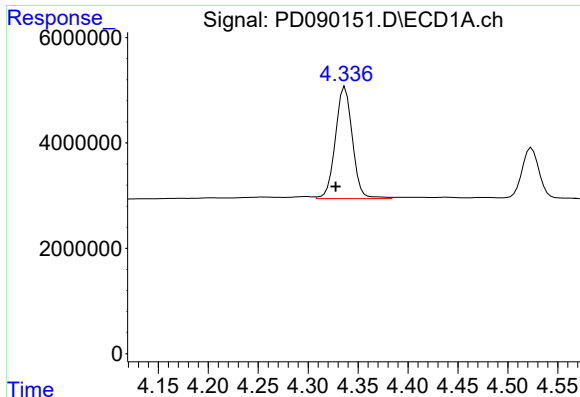
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.008 min
Response: 24266365
Conc: 4.04 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 187234437
Conc: 5.52 ng/ml



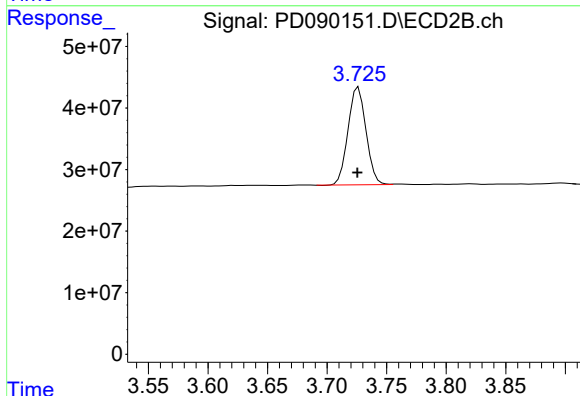
#3 gamma-BHC (Lindane)

R.T.: 4.337 min
Delta R.T.: 0.009 min
Response: 25235026
Conc: 4.41 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

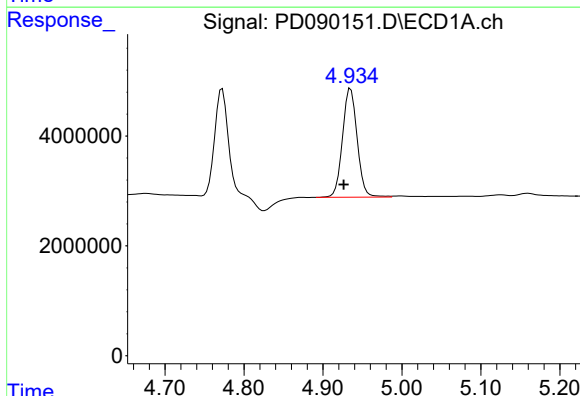
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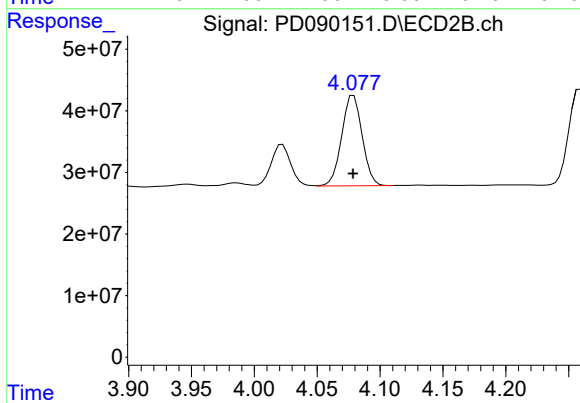
#3 gamma-BHC (Lindane)

R.T.: 3.726 min
Delta R.T.: 0.000 min
Response: 167036410
Conc: 5.36 ng/ml



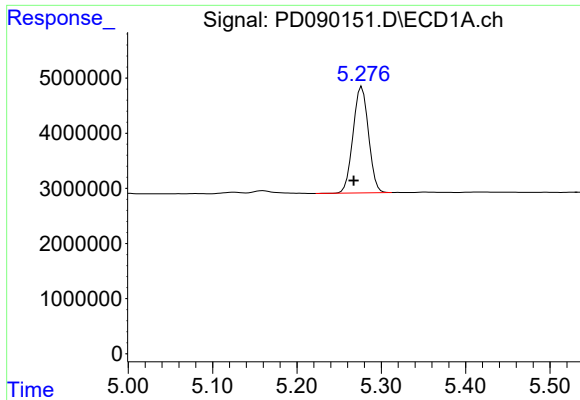
#4 Heptachlor

R.T.: 4.935 min
Delta R.T.: 0.009 min
Response: 25616397
Conc: 4.57 ng/ml



#4 Heptachlor

R.T.: 4.079 min
Delta R.T.: 0.000 min
Response: 166557780
Conc: 5.34 ng/ml



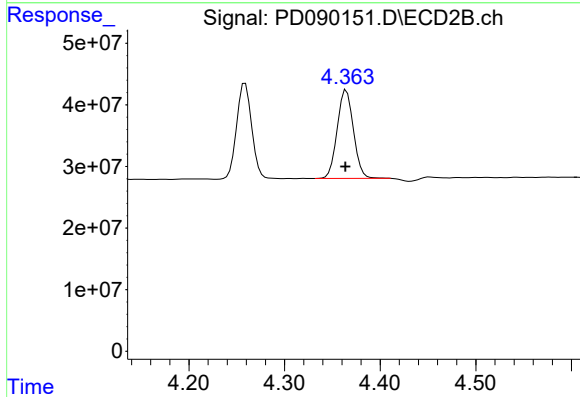
#5 Aldrin

R.T.: 5.277 min
Delta R.T.: 0.010 min
Response: 24520409
Conc: 4.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

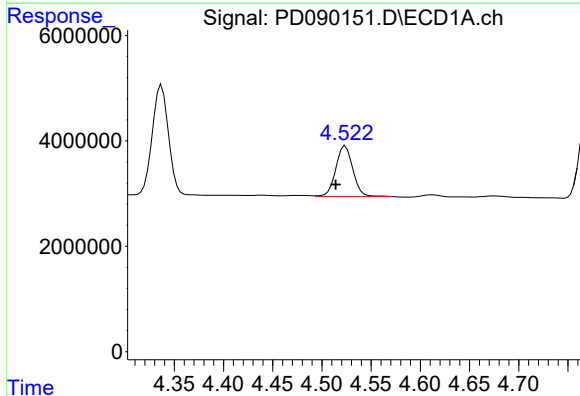
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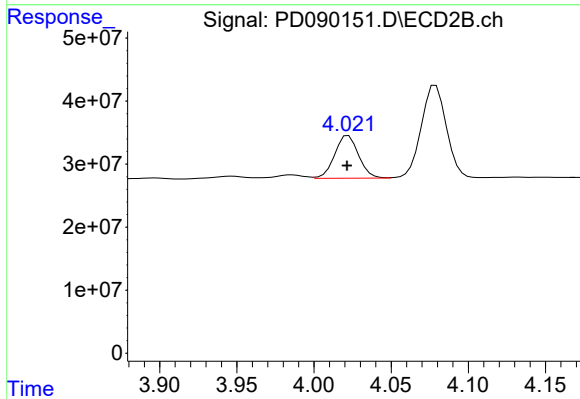
#5 Aldrin

R.T.: 4.365 min
Delta R.T.: 0.000 min
Response: 169817871
Conc: 5.58 ng/ml



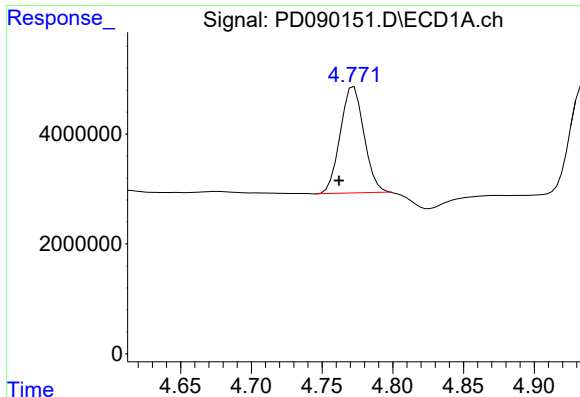
#6 beta-BHC

R.T.: 4.524 min
Delta R.T.: 0.010 min
Response: 11613510
Conc: 5.18 ng/ml



#6 beta-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 73316749
Conc: 5.50 ng/ml



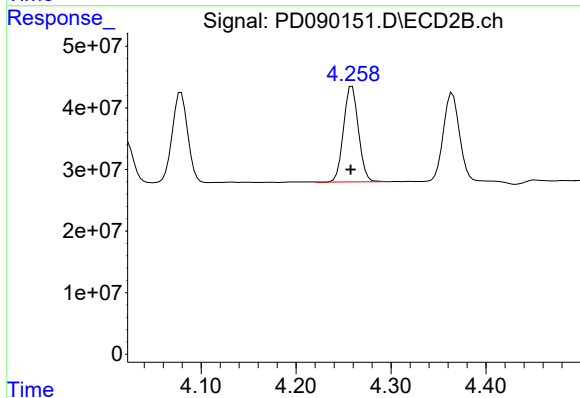
#7 delta-BHC

R.T.: 4.773 min
Delta R.T.: 0.011 min
Response: 22581396
Conc: 4.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

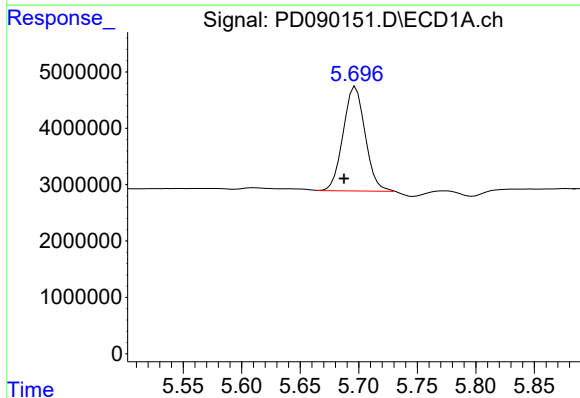
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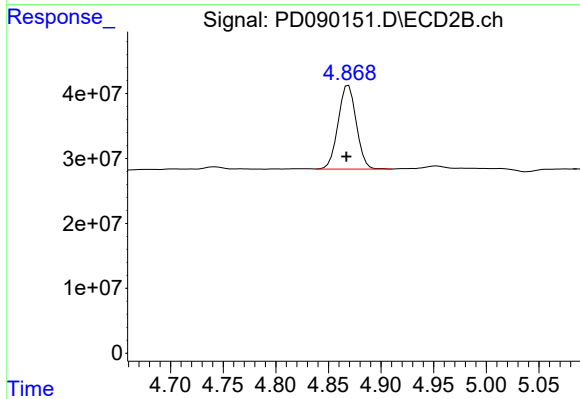
#7 delta-BHC

R.T.: 4.259 min
Delta R.T.: 0.001 min
Response: 169162302
Conc: 5.36 ng/ml



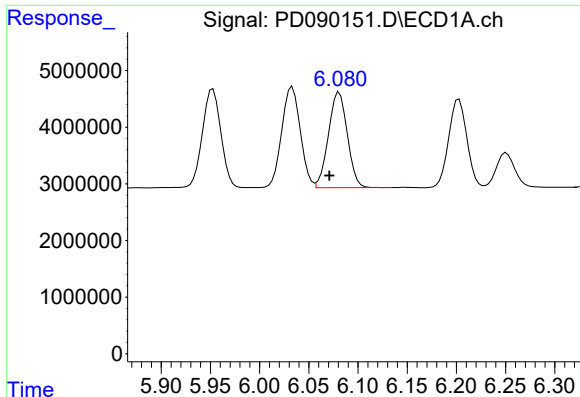
#8 Heptachlor epoxide

R.T.: 5.696 min
Delta R.T.: 0.009 min
Response: 24254768
Conc: 4.94 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.002 min
Response: 155817256
Conc: 5.63 ng/ml



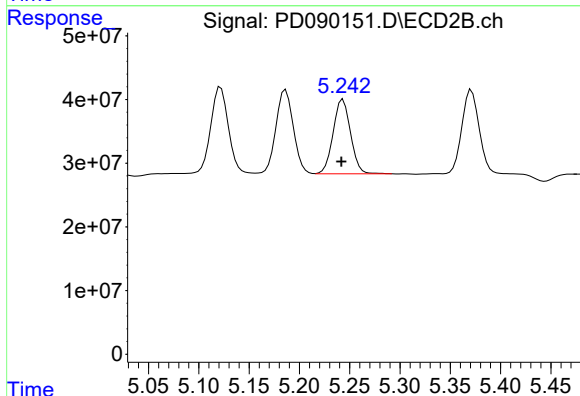
#9 Endosulfan I

R.T.: 6.081 min
Delta R.T.: 0.010 min
Response: 22522769
Conc: 4.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

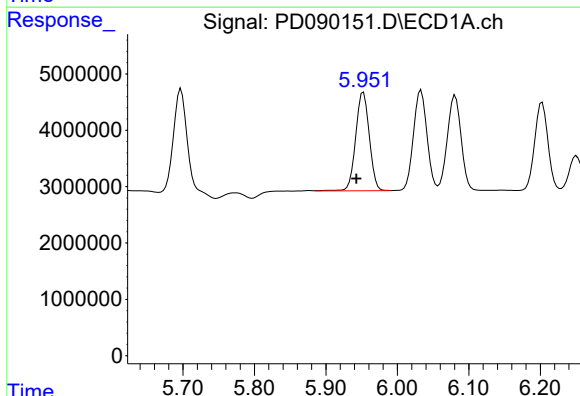
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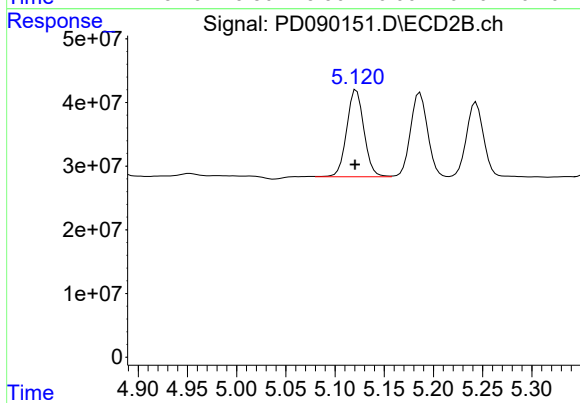
#9 Endosulfan I

R.T.: 5.243 min
Delta R.T.: 0.002 min
Response: 140446706
Conc: 5.36 ng/ml



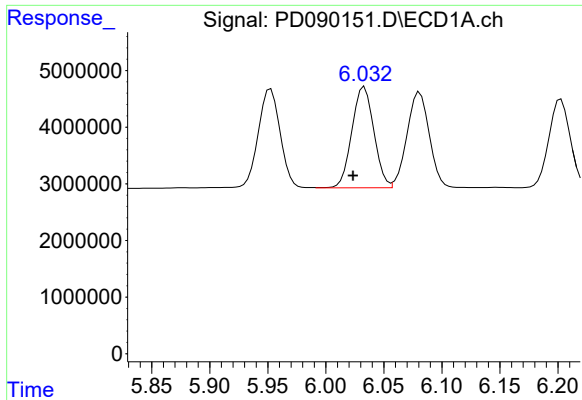
#10 gamma-Chlordane

R.T.: 5.953 min
Delta R.T.: 0.010 min
Response: 23123385
Conc: 4.73 ng/ml



#10 gamma-Chlordane

R.T.: 5.122 min
Delta R.T.: 0.001 min
Response: 166287484
Conc: 5.62 ng/ml



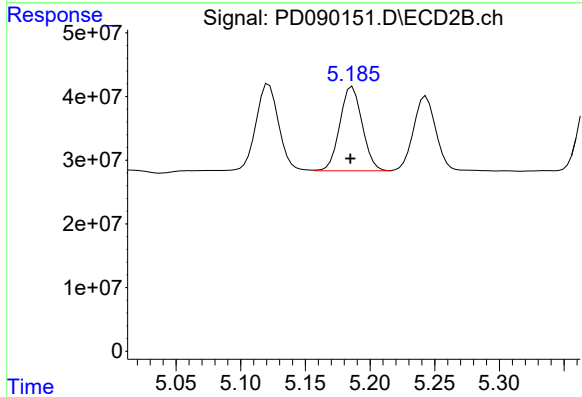
#11 alpha-Chlordane

R.T.: 6.033 min
Delta R.T.: 0.010 min
Response: 23523842
Conc: 4.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

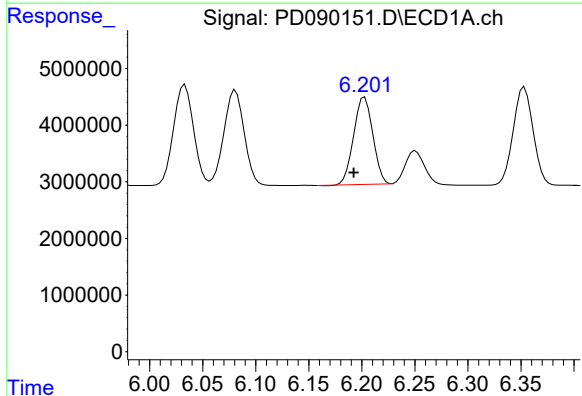
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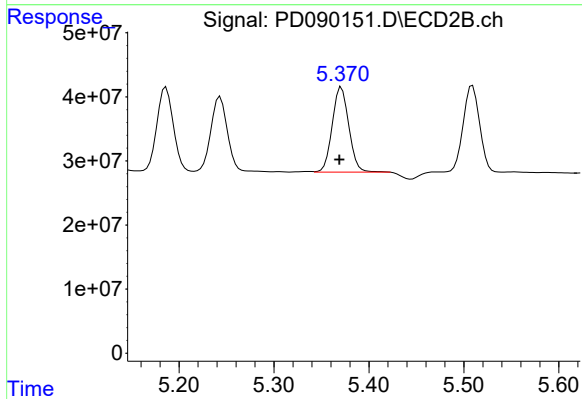
#11 alpha-Chlordane

R.T.: 5.186 min
Delta R.T.: 0.002 min
Response: 158867560
Conc: 5.57 ng/ml



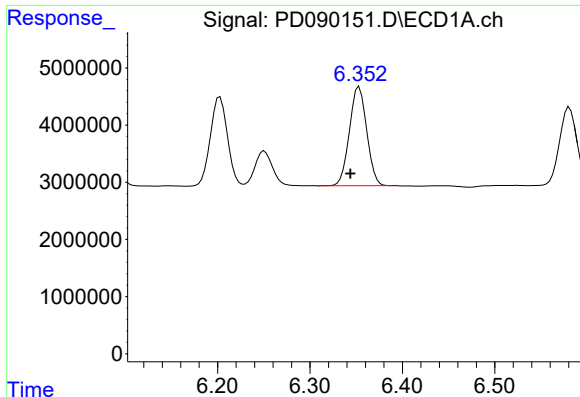
#12 4,4'-DDE

R.T.: 6.203 min
Delta R.T.: 0.010 min
Response: 19362408
Conc: 4.41 ng/ml



#12 4,4'-DDE

R.T.: 5.371 min
Delta R.T.: 0.002 min
Response: 161001411
Conc: 5.59 ng/ml



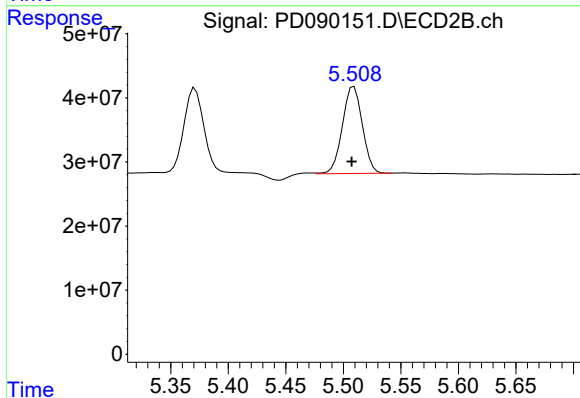
#13 Dieldrin

R.T.: 6.353 min
Delta R.T.: 0.009 min
Response: 22563950
Conc: 4.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

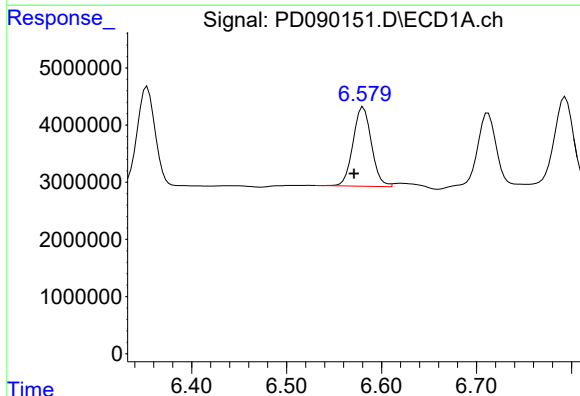
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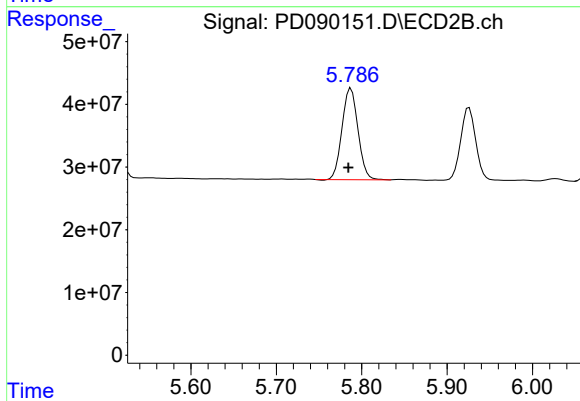
#13 Dieldrin

R.T.: 5.509 min
Delta R.T.: 0.002 min
Response: 164143746
Conc: 5.60 ng/ml



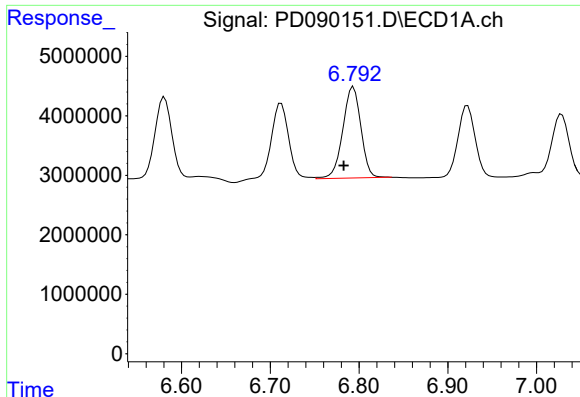
#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.010 min
Response: 18676916
Conc: 4.51 ng/ml



#14 Endrin

R.T.: 5.787 min
Delta R.T.: 0.003 min
Response: 189209475
Conc: 7.10 ng/ml



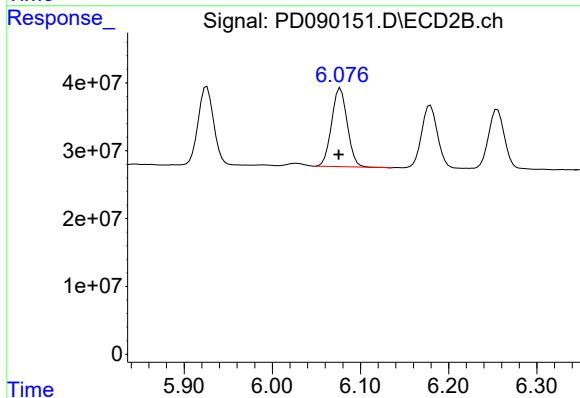
#15 Endosulfan II

R.T.: 6.794 min
Delta R.T.: 0.011 min
Response: 21754354
Conc: 5.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

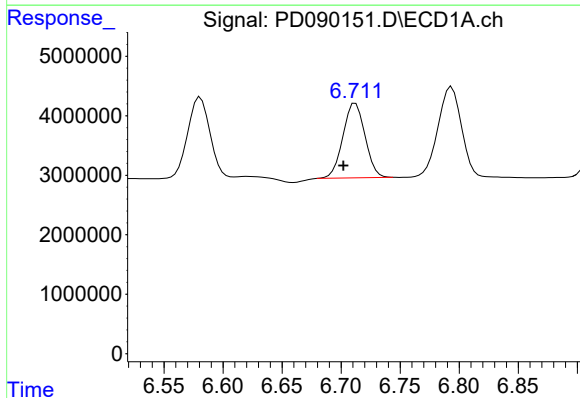
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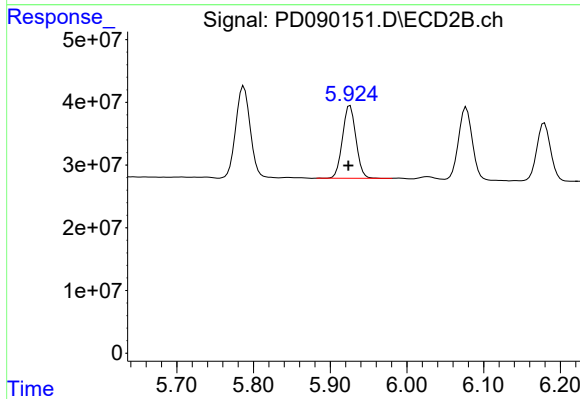
#15 Endosulfan II

R.T.: 6.077 min
Delta R.T.: 0.002 min
Response: 143760144
Conc: 5.68 ng/ml



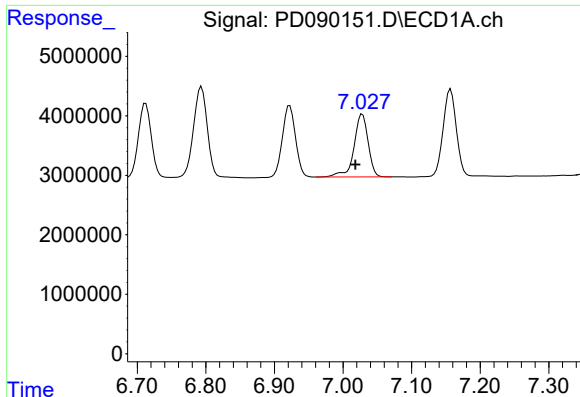
#16 4,4'-DDD

R.T.: 6.711 min
Delta R.T.: 0.009 min
Response: 16385298
Conc: 4.74 ng/ml m



#16 4,4'-DDD

R.T.: 5.926 min
Delta R.T.: 0.002 min
Response: 141207962
Conc: 5.87 ng/ml



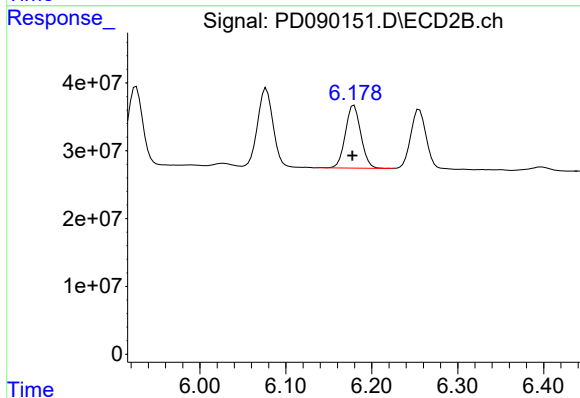
#17 4,4'-DDT

R.T.: 7.028 min
Delta R.T.: 0.010 min
Response: 15174404
Conc: 3.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

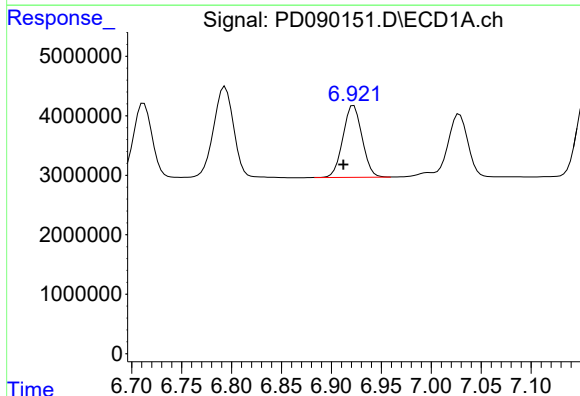
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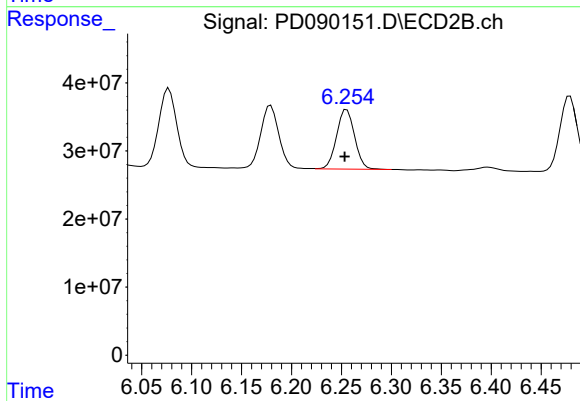
#17 4,4'-DDT

R.T.: 6.179 min
Delta R.T.: 0.002 min
Response: 117020249
Conc: 4.67 ng/ml



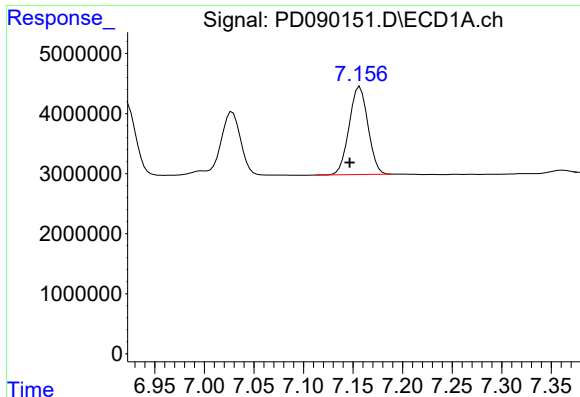
#18 Endrin aldehyde

R.T.: 6.921 min
Delta R.T.: 0.009 min
Response: 16146039
Conc: 5.63 ng/ml m



#18 Endrin aldehyde

R.T.: 6.255 min
Delta R.T.: 0.002 min
Response: 110306371
Conc: 6.41 ng/ml



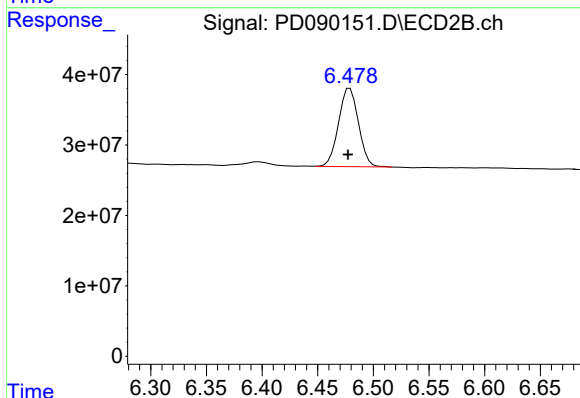
#19 Endosulfan Sulfate

R.T.: 7.157 min
Delta R.T.: 0.010 min
Response: 19440418
Conc: 4.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

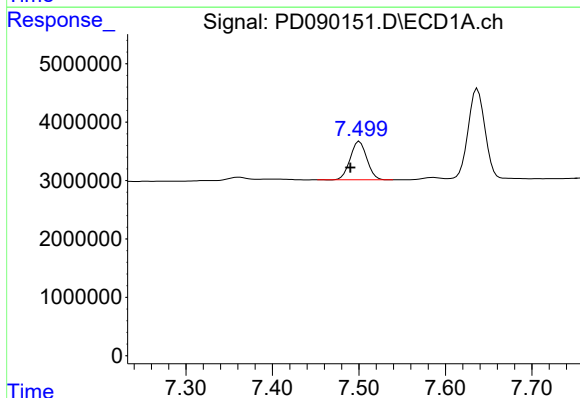
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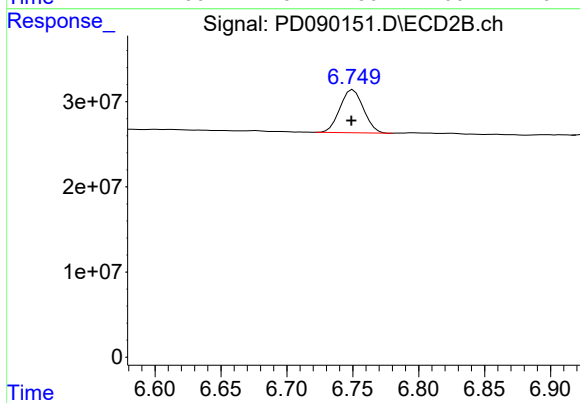
#19 Endosulfan Sulfate

R.T.: 6.479 min
Delta R.T.: 0.002 min
Response: 138307821
Conc: 5.67 ng/ml



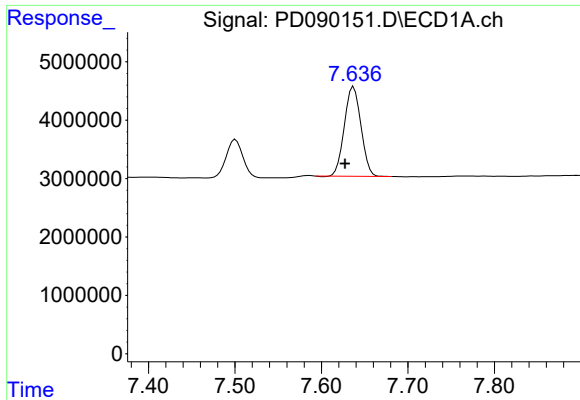
#20 Methoxychlor

R.T.: 7.501 min
Delta R.T.: 0.010 min
Response: 8740566
Conc: 4.36 ng/ml



#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.001 min
Response: 62878666
Conc: 4.88 ng/ml



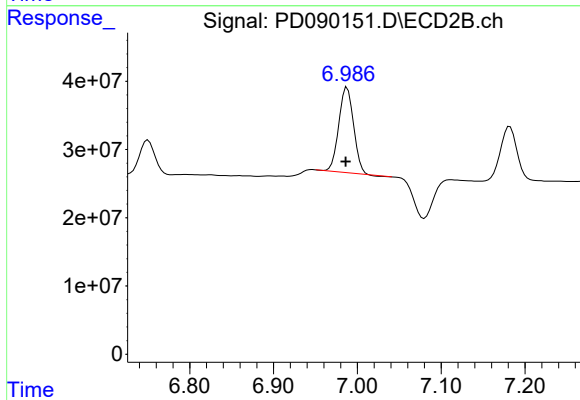
#21 Endrin ketone

R.T.: 7.637 min
Delta R.T.: 0.010 min
Response: 20320097
Conc: 4.90 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

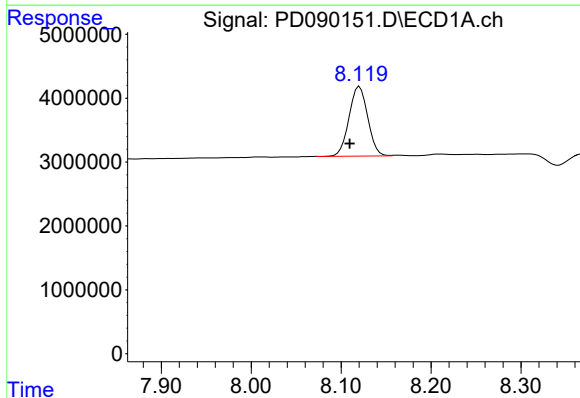
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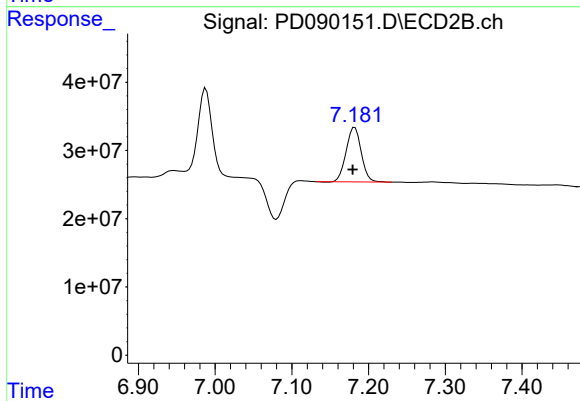
#21 Endrin ketone

R.T.: 6.988 min
Delta R.T.: 0.002 min
Response: 151703385
Conc: 5.69 ng/ml



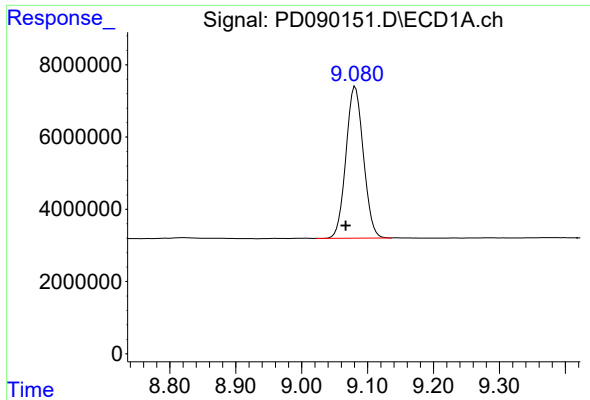
#22 Mirex

R.T.: 8.120 min
Delta R.T.: 0.011 min
Response: 15713008
Conc: 4.98 ng/ml



#22 Mirex

R.T.: 7.182 min
Delta R.T.: 0.003 min
Response: 110067092
Conc: 5.33 ng/ml



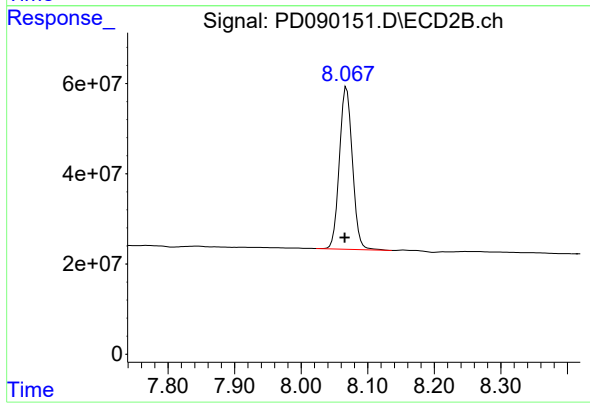
#28 Decachlorobiphenyl

R.T.: 9.081 min
Delta R.T.: 0.014 min
Response: 77112569
Conc: 17.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
LOQ-WATER-02-QT3-2025

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/05/2025
Supervised By :mohammad ahmed 09/09/2025



#28 Decachlorobiphenyl

R.T.: 8.068 min
Delta R.T.: 0.003 min
Response: 487816218
Conc: 18.84 ng/ml