

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120925\
 Data File : PD091525.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Dec 2025 14:05
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/10/2025
 Supervised By :mohammad ahmed 12/10/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 10 00:37:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 09 04:29:17 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...	3.544	2.870	158.0E6	1916.0E6	45.490	48.626
28)	SA Decachlor...	9.064	8.056	237.3E6	2145.3E6	45.656	51.804
Target Compounds							
2)	A alpha-BHC	3.994	3.381	382.4E6	3374.0E6	47.504	49.491
3)	MA gamma-BHC...	4.324	3.718	357.8E6	3060.5E6	47.609	54.429
4)	MA Heptachlor	4.922	4.070	346.6E6	3021.5E6	48.826	51.841
5)	MB Aldrin	5.263	4.353	343.2E6	2989.3E6	49.332	51.551m
6)	B beta-BHC	4.511	4.015	133.5E6	1220.4E6	46.226m	50.936
7)	B delta-BHC	4.760	4.250	336.4E6	3095.6E6	56.240	51.690
8)	B Heptachlo...	5.684	4.859	298.7E6	2650.8E6	48.235	52.391
9)	A Endosulfan I	6.067	5.233	290.2E6	2133.1E6	47.492	43.543
10)	B gamma-Chl...	5.940	5.112	308.9E6	2957.7E6	48.441	52.986
11)	B alpha-Chl...	6.020	5.176	311.3E6	2798.0E6	46.356	52.250
12)	B 4,4'-DDE	6.190	5.360	273.4E6	2817.9E6	47.063	51.415m
13)	MA Dieldrin	6.340	5.499	310.5E6	2874.3E6	47.724	51.823
14)	MA Endrin	6.567	5.776	270.6E6	2712.7E6	48.254	51.890
15)	B Endosulfa...	6.779	6.067	257.1E6	2437.0E6	42.285m	51.724
16)	A 4,4'-DDD	6.700	5.916	236.6E6	2374.1E6	51.402	52.193
17)	MA 4,4'-DDT	7.015	6.170	241.5E6	2491.4E6	46.832	52.563
18)	B Endrin al...	6.910	6.246	202.4E6	1827.7E6	48.444	51.208
19)	B Endosulfa...	7.144	6.469	244.8E6	2373.7E6	46.369	51.498
20)	A Methoxychlor	7.489	6.740	121.9E6	1227.4E6	45.368	52.013
21)	B Endrin ke...	7.625	6.978	263.0E6	2509.9E6	46.687	51.598
22)	Mirex	8.106	7.170	171.7E6	1742.6E6	46.220	53.167

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120925\
Data File : PD091525.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Dec 2025 14:05
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

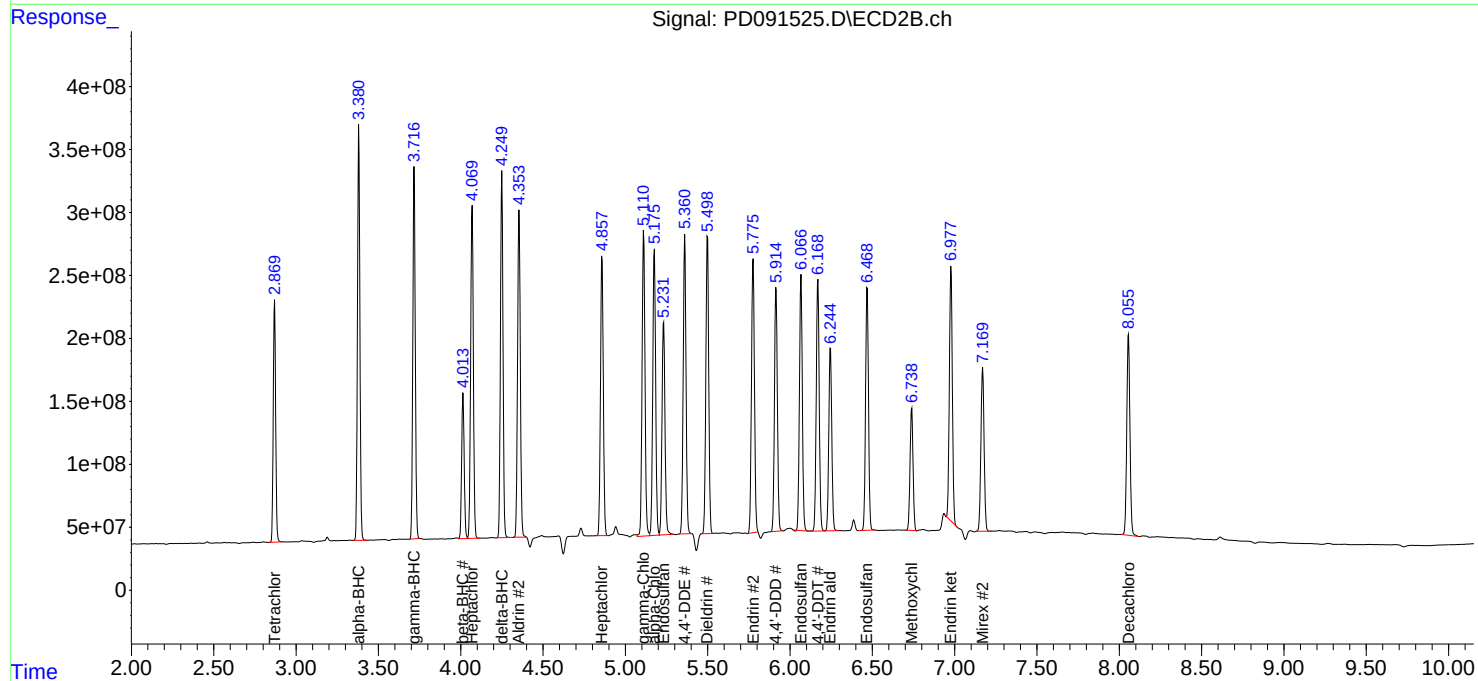
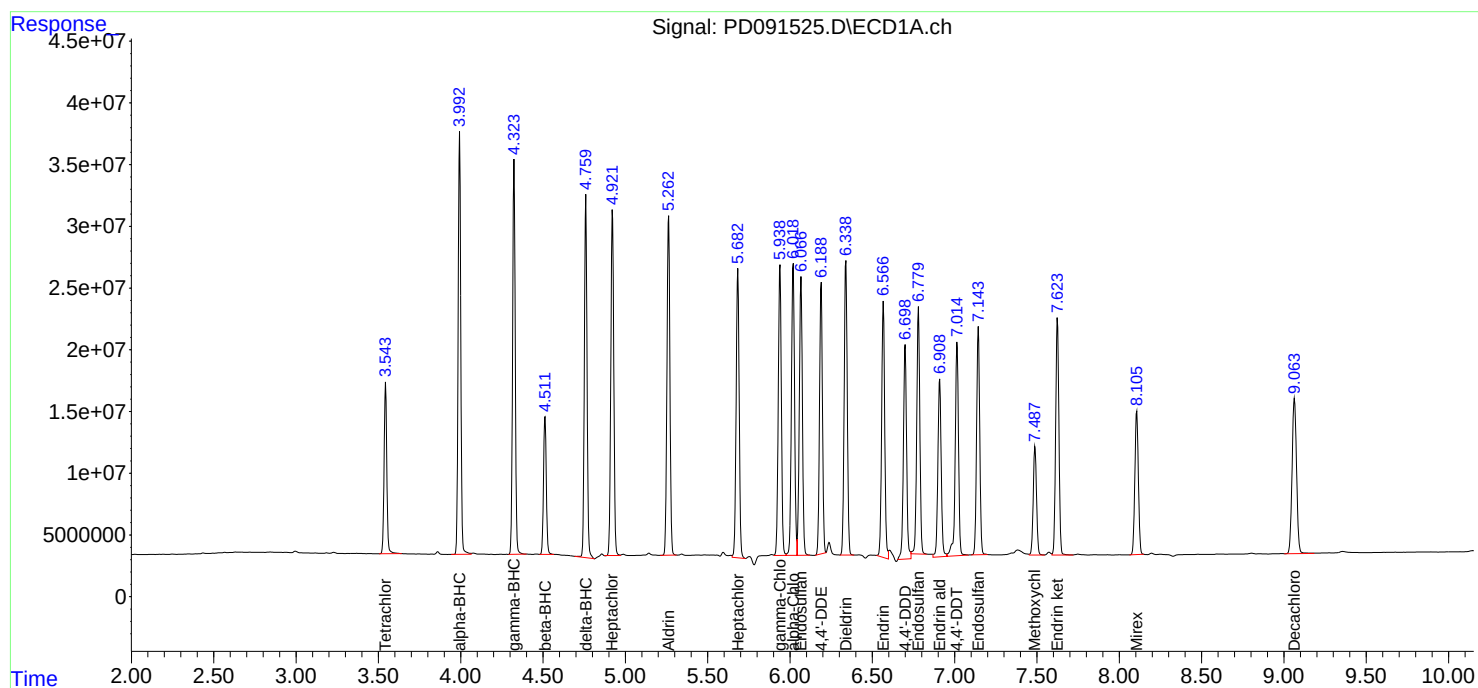
APPROVED

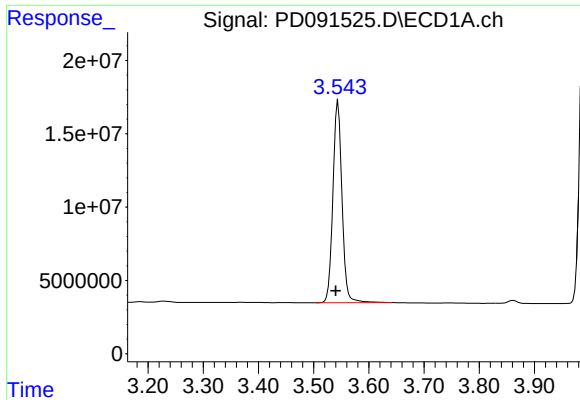
Reviewed By :Yogesh Patel 12/10/2025

Supervised By :mohammad ahmed 12/10/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Dec 10 00:37:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
Quant Title : GC Extractables
QLast Update : Tue Dec 09 04:29:17 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





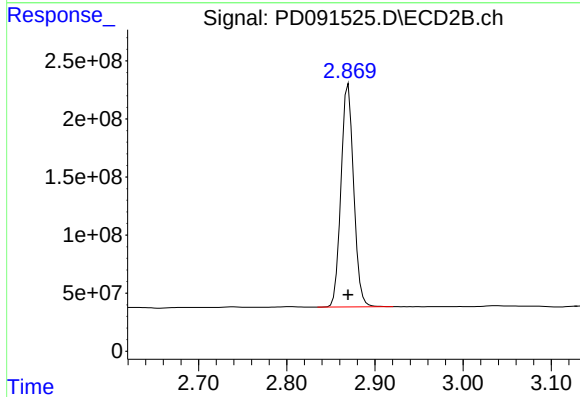
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.004 min
Response: 157999962
Conc: 45.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

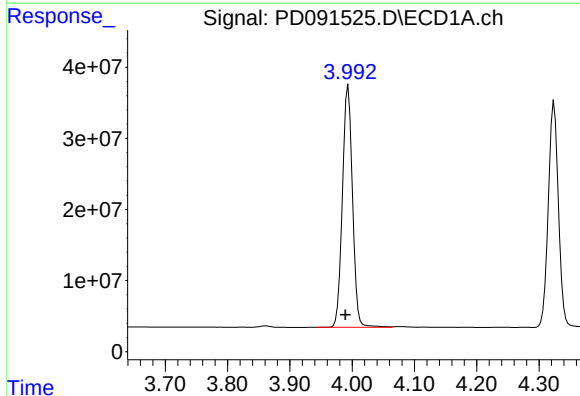
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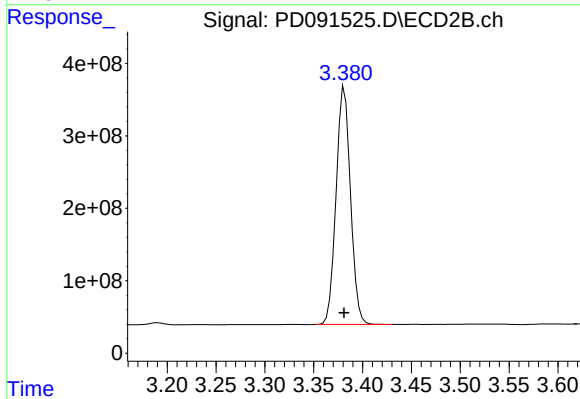
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: 0.000 min
Response: 1916023006
Conc: 48.63 ng/ml



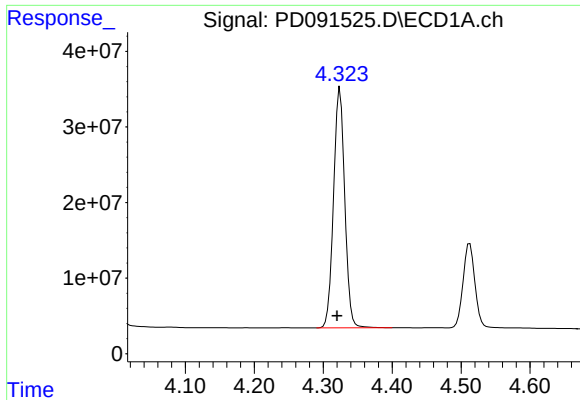
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.004 min
Response: 382448116
Conc: 47.50 ng/ml



#2 alpha-BHC

R.T.: 3.381 min
Delta R.T.: 0.000 min
Response: 3373976414
Conc: 49.49 ng/ml



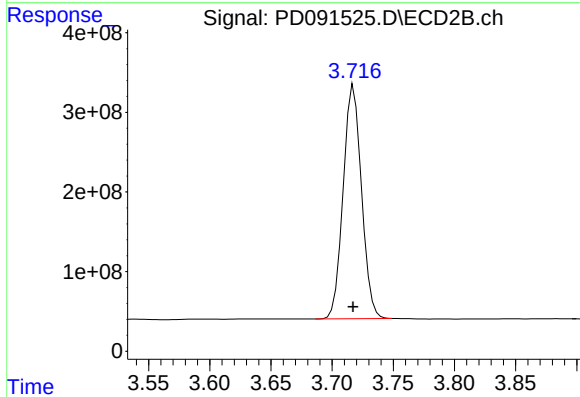
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.004 min
Response: 357812354
Conc: 47.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

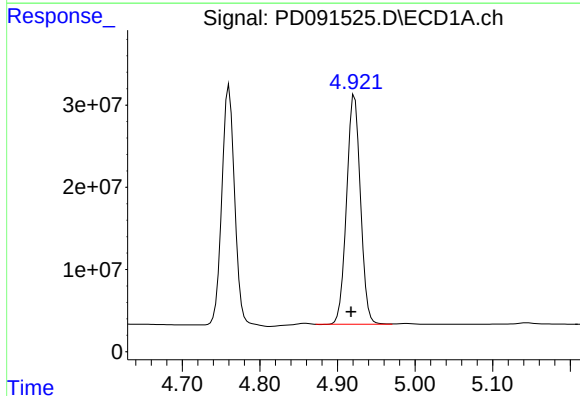
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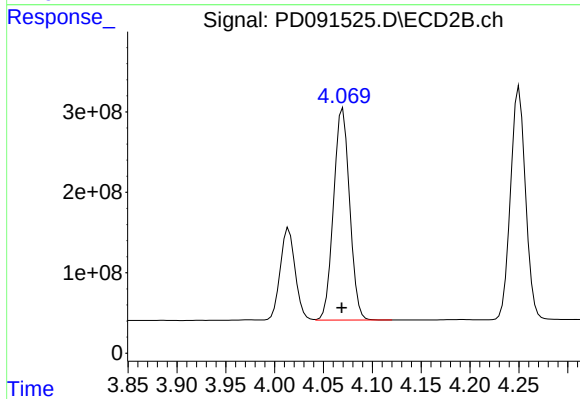
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: 0.000 min
Response: 3060524394
Conc: 54.43 ng/ml



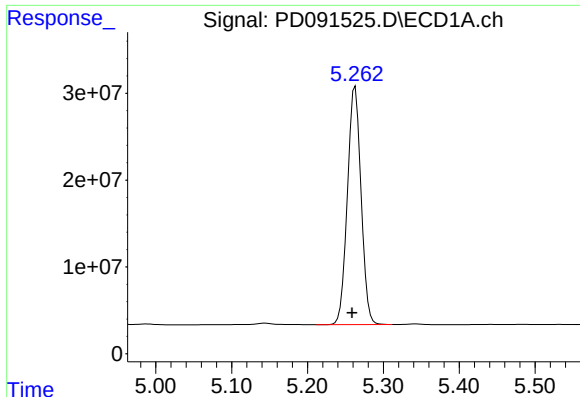
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.004 min
Response: 346607907
Conc: 48.83 ng/ml



#4 Heptachlor

R.T.: 4.070 min
Delta R.T.: 0.001 min
Response: 3021497803
Conc: 51.84 ng/ml



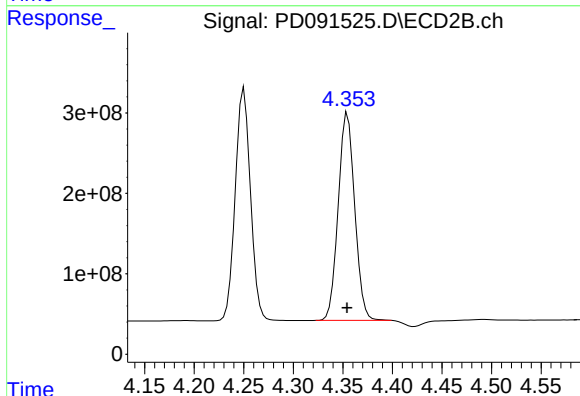
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.004 min
Response: 343245610
Conc: 49.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

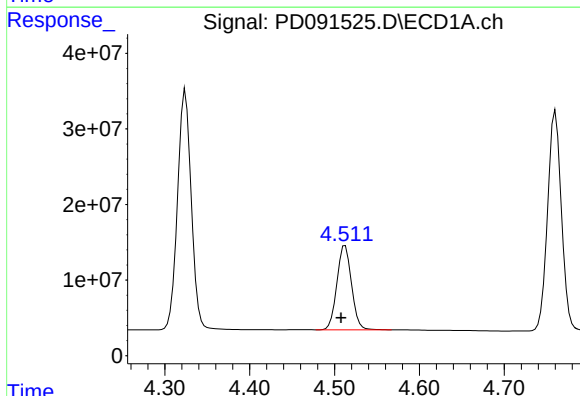
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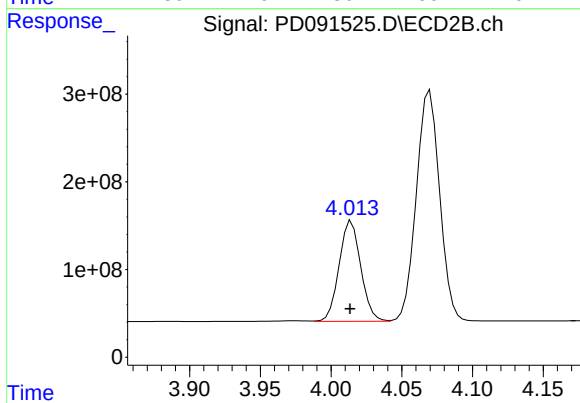
#5 Aldrin

R.T.: 4.353 min
Delta R.T.: 0.000 min
Response: 2989257145
Conc: 51.55 ng/ml m



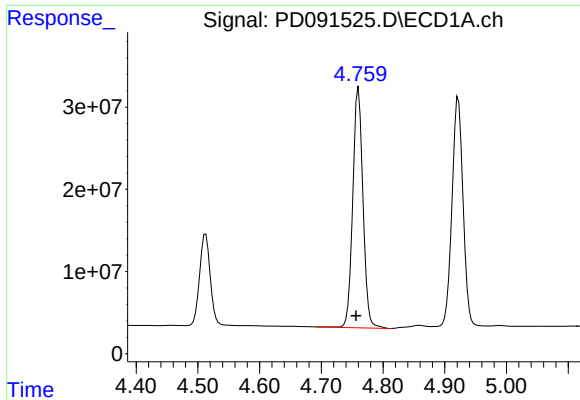
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.003 min
Response: 133458416
Conc: 46.23 ng/ml m



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: 0.000 min
Response: 1220371870
Conc: 50.94 ng/ml



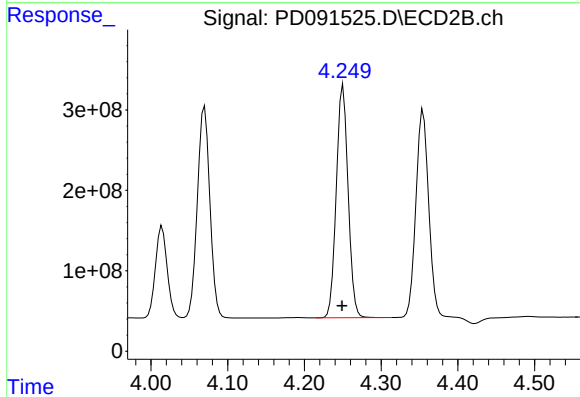
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.004 min
Response: 336439990
Conc: 56.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

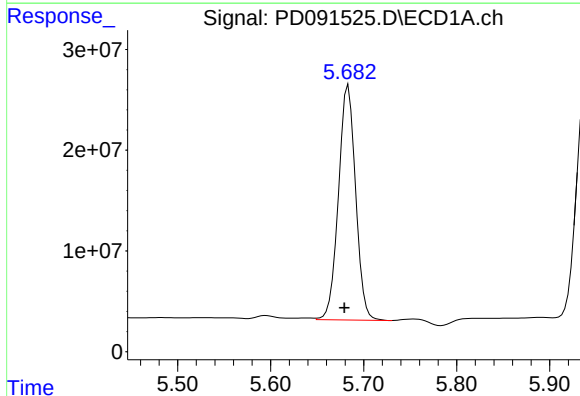
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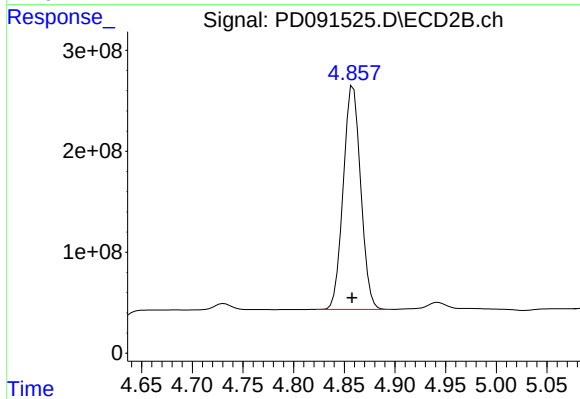
#7 delta-BHC

R.T.: 4.250 min
Delta R.T.: 0.001 min
Response: 3095560400
Conc: 51.69 ng/ml



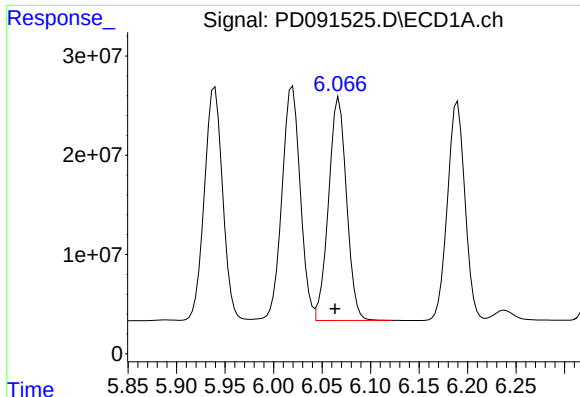
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.004 min
Response: 298688516
Conc: 48.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.859 min
Delta R.T.: 0.001 min
Response: 2650821053
Conc: 52.39 ng/ml



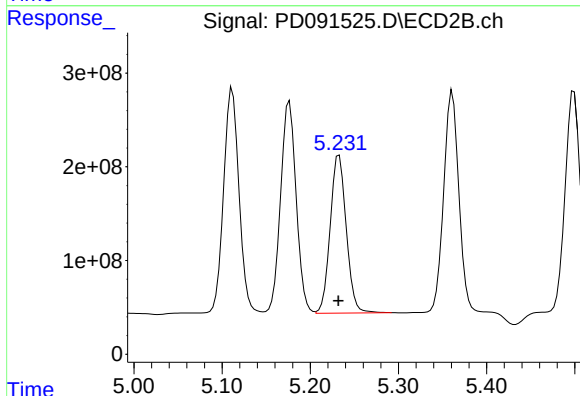
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: 0.004 min
Response: 290164747
Conc: 47.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

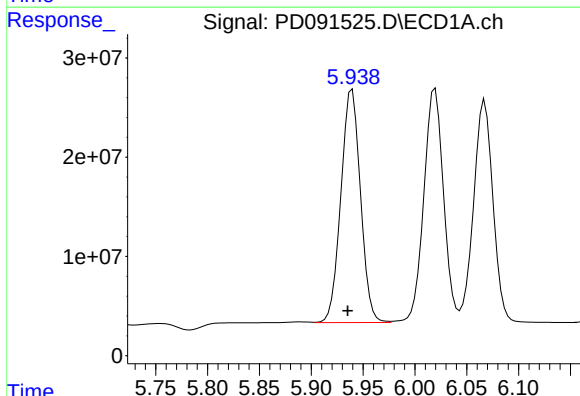
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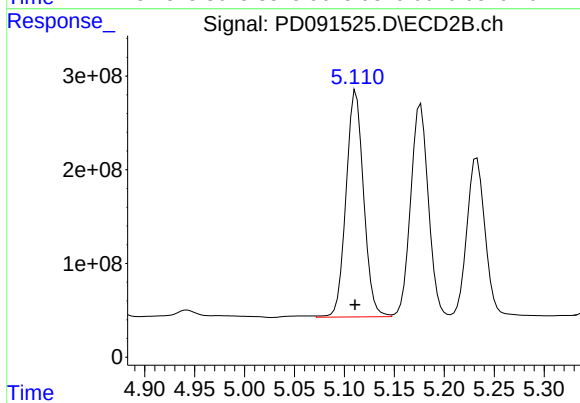
#9 Endosulfan I

R.T.: 5.233 min
Delta R.T.: 0.000 min
Response: 2133139605
Conc: 43.54 ng/ml



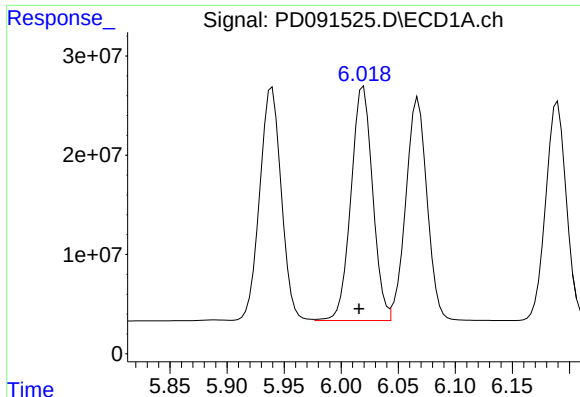
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.004 min
Response: 308907116
Conc: 48.44 ng/ml



#10 gamma-Chlordane

R.T.: 5.112 min
Delta R.T.: 0.000 min
Response: 2957712316
Conc: 52.99 ng/ml



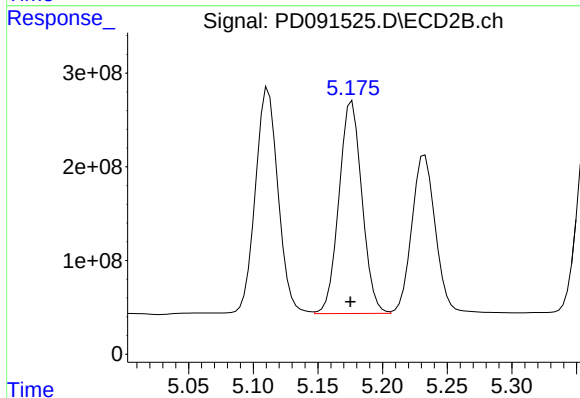
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.004 min
Response: 311332789
Conc: 46.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

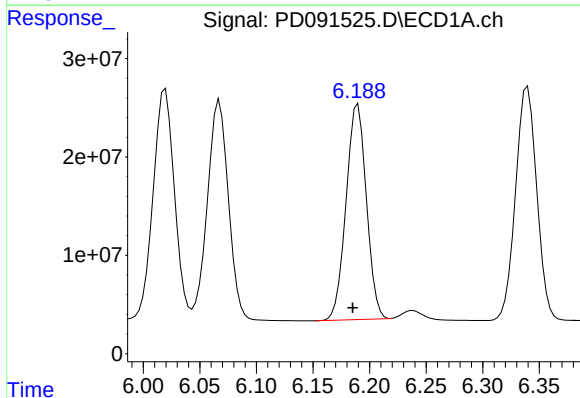
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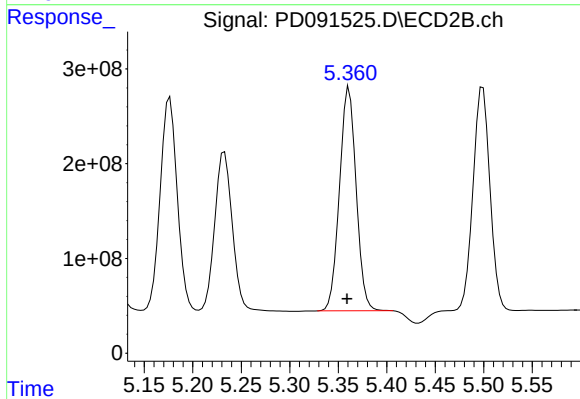
#11 alpha-Chlordane

R.T.: 5.176 min
Delta R.T.: 0.001 min
Response: 2798014554
Conc: 52.25 ng/ml



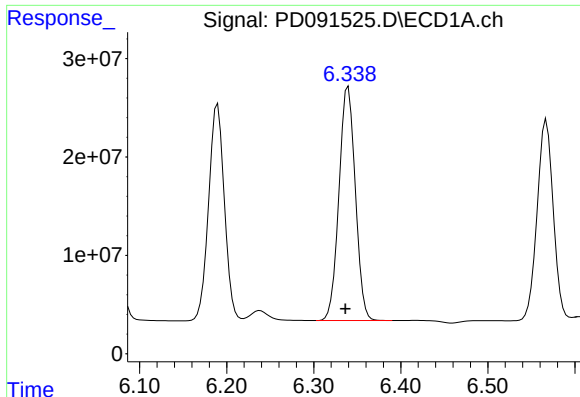
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.005 min
Response: 273408589
Conc: 47.06 ng/ml



#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: 0.000 min
Response: 2817902570
Conc: 51.41 ng/ml m



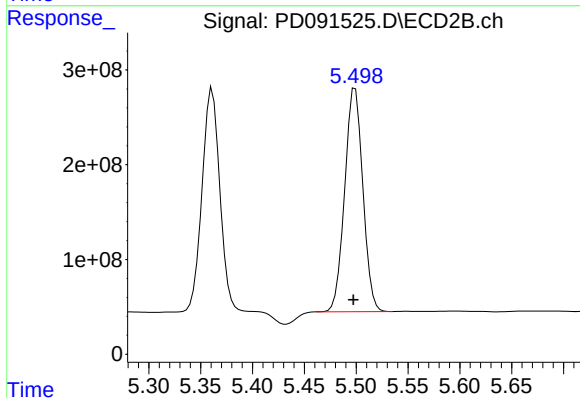
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.004 min
Response: 310532429
Conc: 47.72 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

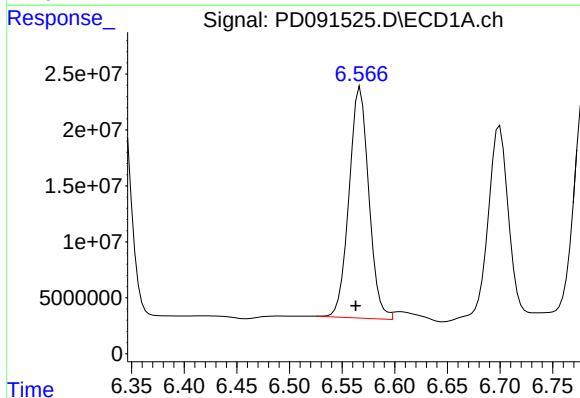
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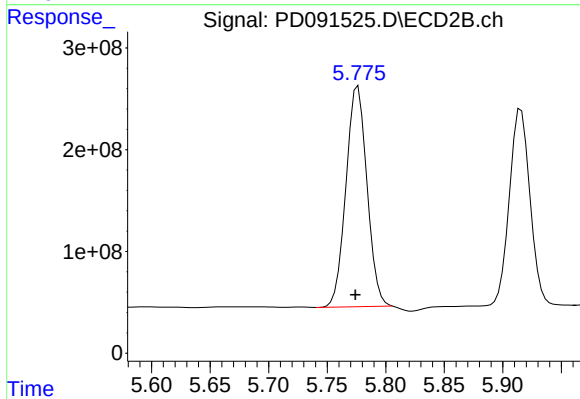
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: 0.002 min
Response: 2874309580
Conc: 51.82 ng/ml



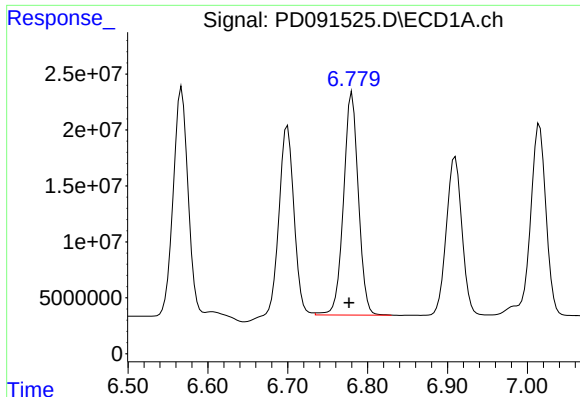
#14 Endrin

R.T.: 6.567 min
Delta R.T.: 0.004 min
Response: 270618017
Conc: 48.25 ng/ml



#14 Endrin

R.T.: 5.776 min
Delta R.T.: 0.002 min
Response: 2712732425
Conc: 51.89 ng/ml



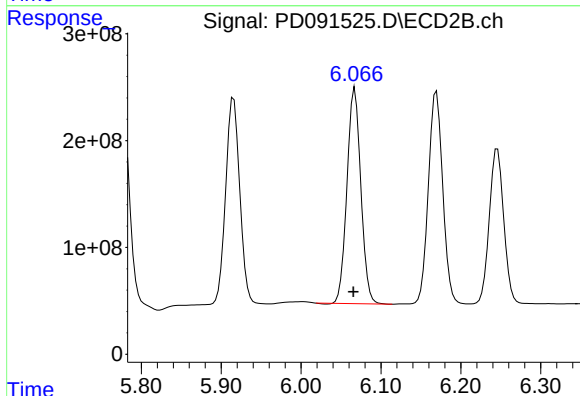
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: 0.003 min
Response: 257127568
Conc: 42.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

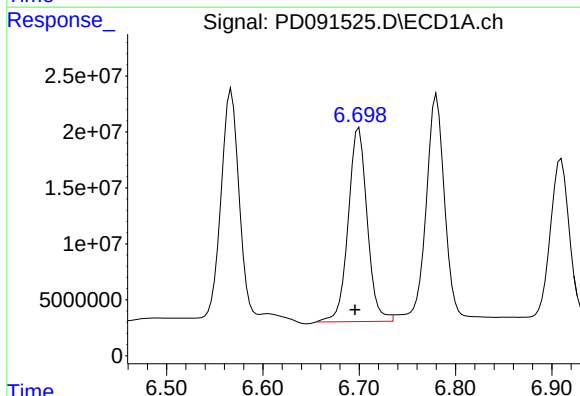
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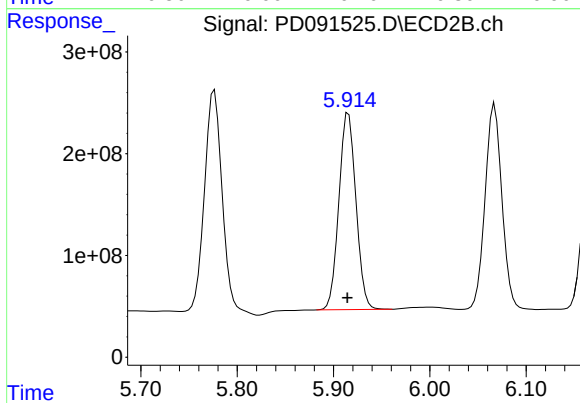
#15 Endosulfan II

R.T.: 6.067 min
Delta R.T.: 0.002 min
Response: 2436955591
Conc: 51.72 ng/ml



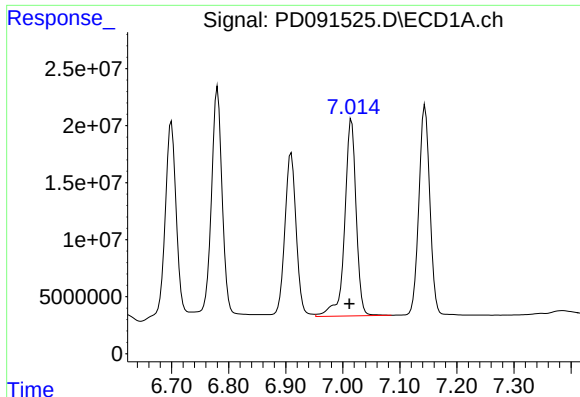
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.004 min
Response: 236592063
Conc: 51.40 ng/ml



#16 4,4'-DDD

R.T.: 5.916 min
Delta R.T.: 0.001 min
Response: 2374129330
Conc: 52.19 ng/ml



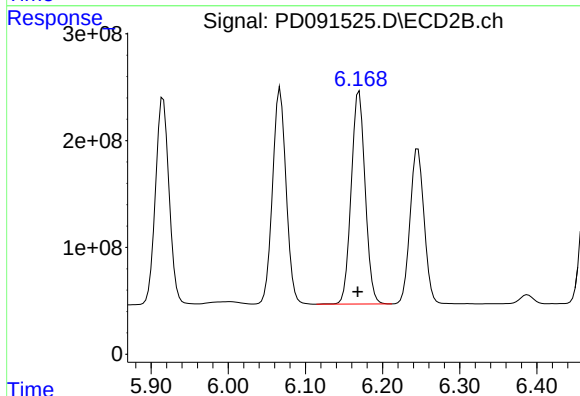
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.004 min
Response: 241489237
Conc: 46.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

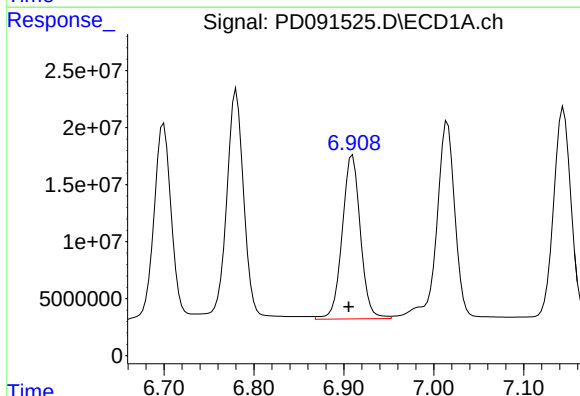
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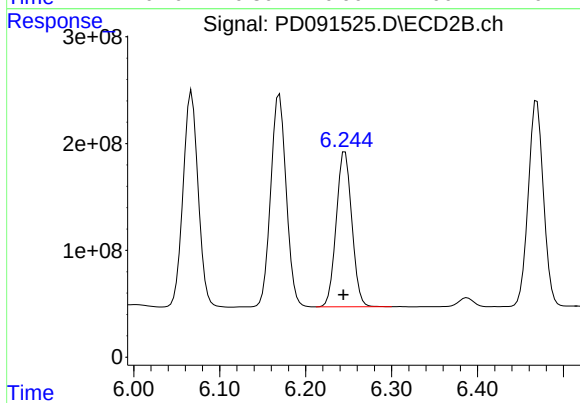
#17 4,4'-DDT

R.T.: 6.170 min
Delta R.T.: 0.002 min
Response: 2491408936
Conc: 52.56 ng/ml



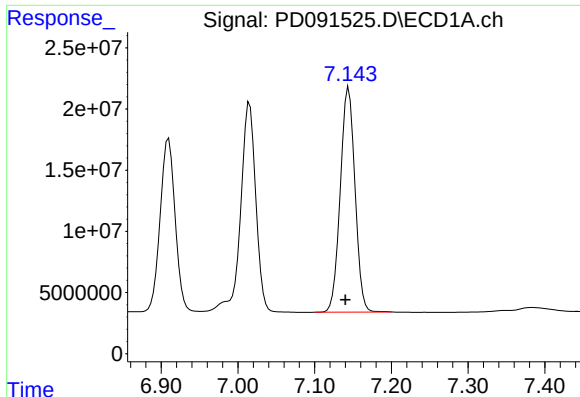
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.004 min
Response: 202367586
Conc: 48.44 ng/ml



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: 0.002 min
Response: 1827676233
Conc: 51.21 ng/ml



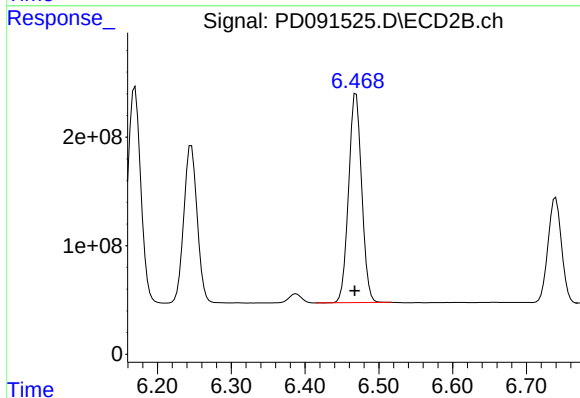
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: 0.004 min
Response: 244791504
Conc: 46.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

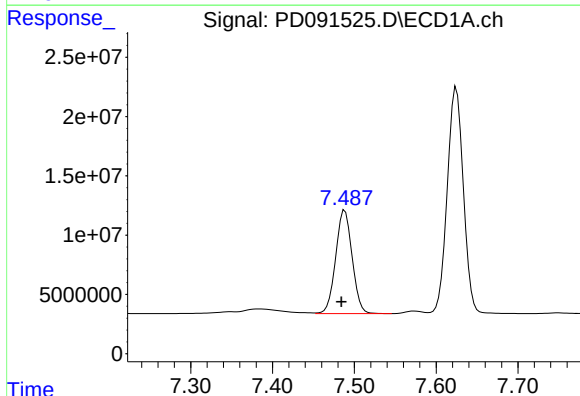
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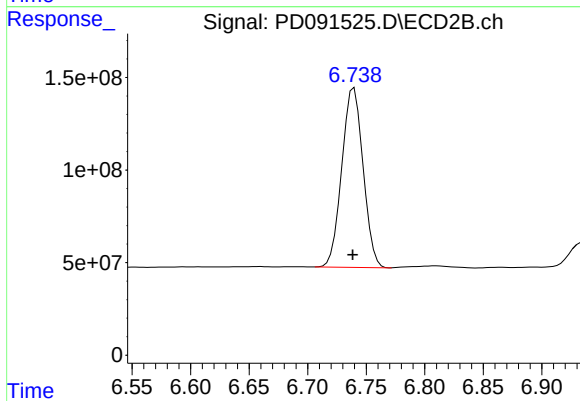
#19 Endosulfan Sulfate

R.T.: 6.469 min
Delta R.T.: 0.002 min
Response: 2373721411
Conc: 51.50 ng/ml



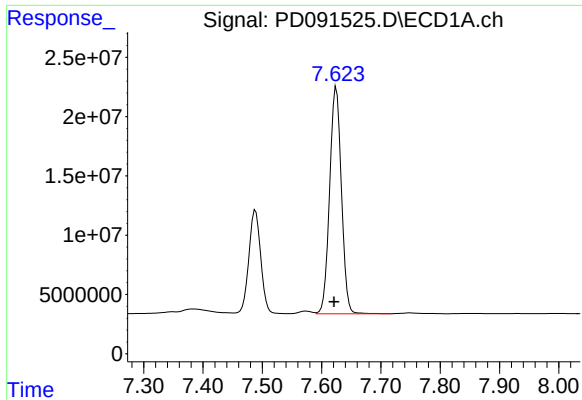
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.004 min
Response: 121948602
Conc: 45.37 ng/ml



#20 Methoxychlor

R.T.: 6.740 min
Delta R.T.: 0.001 min
Response: 1227402390
Conc: 52.01 ng/ml



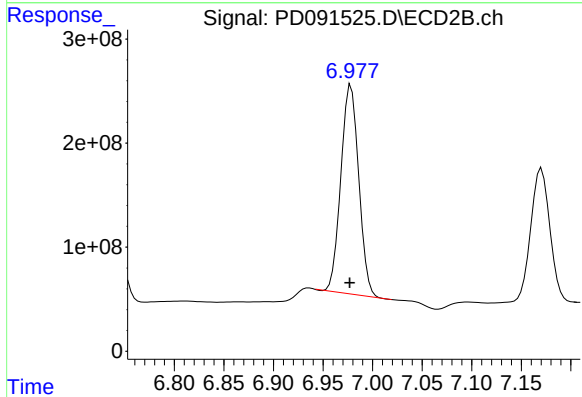
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.004 min
Response: 263026361
Conc: 46.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

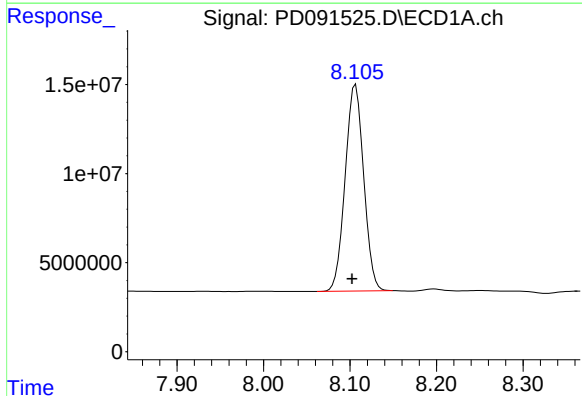
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/10/2025
Supervised By :mohammad ahmed 12/10/2025



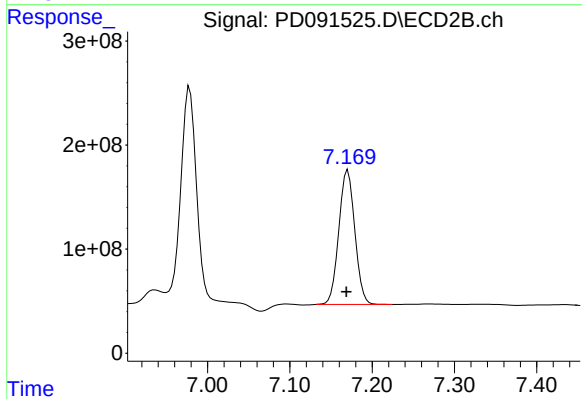
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: 0.001 min
Response: 2509892929
Conc: 51.60 ng/ml



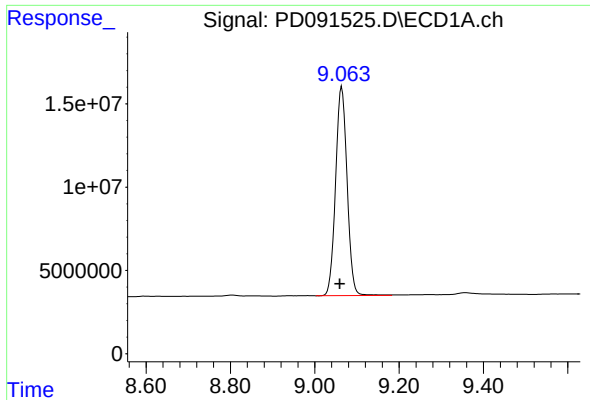
#22 Mirex

R.T.: 8.106 min
Delta R.T.: 0.004 min
Response: 171728299
Conc: 46.22 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: 0.002 min
Response: 1742553499
Conc: 53.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.005 min
Response: 237321786
Conc: 45.66 ng/ml

Instrument :

ECD_D

ClientSampleId :

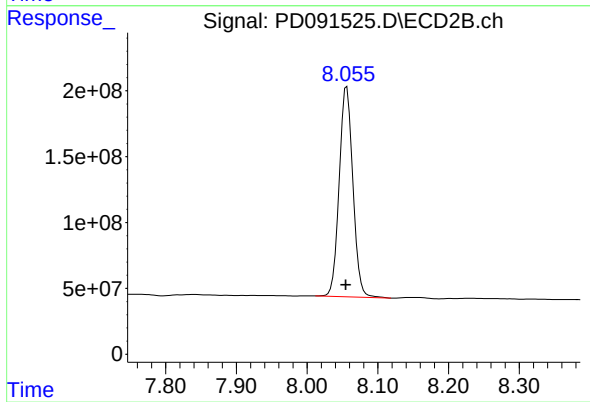
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: 0.001 min
Response: 2145251904
Conc: 51.80 ng/ml