

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112525\
 Data File : PD091352.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 25 Nov 2025 18:31
 Operator : AR\AJ
 Sample : PB170704BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170704BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 11/26/2025
 Supervised By :mohammad ahmed 11/27/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 26 00:05:41 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 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...	3.542	2.872	65641940	759.7E6	19.034	20.739
28)	SA Decachlor...	9.059	8.055	97532781	888.3E6	19.578	22.445
Target Compounds							
2)	A alpha-BHC	3.991	3.383	433.1E6	3687.3E6	54.173	58.341
3)	MA gamma-BHC...	4.322	3.719	407.5E6	3404.5E6	54.526	58.879
4)	MA Heptachlor	4.919	4.070	385.5E6	3203.7E6	53.833	58.029
5)	MB Aldrin	5.260	4.356	394.5E6	3404.7E6	54.370	60.304
6)	B beta-BHC	4.509	4.015	151.1E6	1408.8E6	52.011	58.635
7)	B delta-BHC	4.757	4.251	391.1E6	3307.8E6	52.626	56.566
8)	B Heptachlo...	5.681	4.859	350.2E6	3052.6E6	53.901	59.904
9)	A Endosulfan I	6.064	5.233	332.1E6	2902.5E6	54.061	60.657
10)	B gamma-Chl...	5.936	5.110	357.3E6	3294.7E6	54.970	60.313m
11)	B alpha-Chl...	6.017	5.175	353.6E6	3141.0E6	51.381	60.021m
12)	B 4,4'-DDE	6.186	5.360	317.6E6	3241.1E6	54.757	60.647
13)	MA Dieldrin	6.337	5.499	354.8E6	3281.4E6	54.874	60.419
14)	MA Endrin	6.564	5.775	258.5E6	2565.4E6	52.086	56.767
15)	B Endosulfa...	6.777	6.067	299.5E6	2839.9E6	53.874	60.839
16)	A 4,4'-DDD	6.696	5.915	261.3E6	2886.2E6	53.196	59.061
17)	MA 4,4'-DDT	7.012	6.168	225.8E6	2459.3E6	54.609	62.846
18)	B Endrin al...	6.906	6.245	224.1E6	2161.1E6	53.797	61.240
19)	B Endosulfa...	7.141	6.468	271.8E6	2719.9E6	52.838	60.665
20)	A Methoxychlor	7.485	6.739	109.9E6	1148.0E6	50.557	57.254
21)	B Endrin ke...	7.621	6.978	307.1E6	3174.3E6	54.508	62.294
22)	Mirex	8.103	7.170	177.4E6	1913.4E6	49.865	57.737

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112525\
Data File : PD091352.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 25 Nov 2025 18:31
Operator : AR\AJ
Sample : PB170704BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170704BS

Manual Integrations

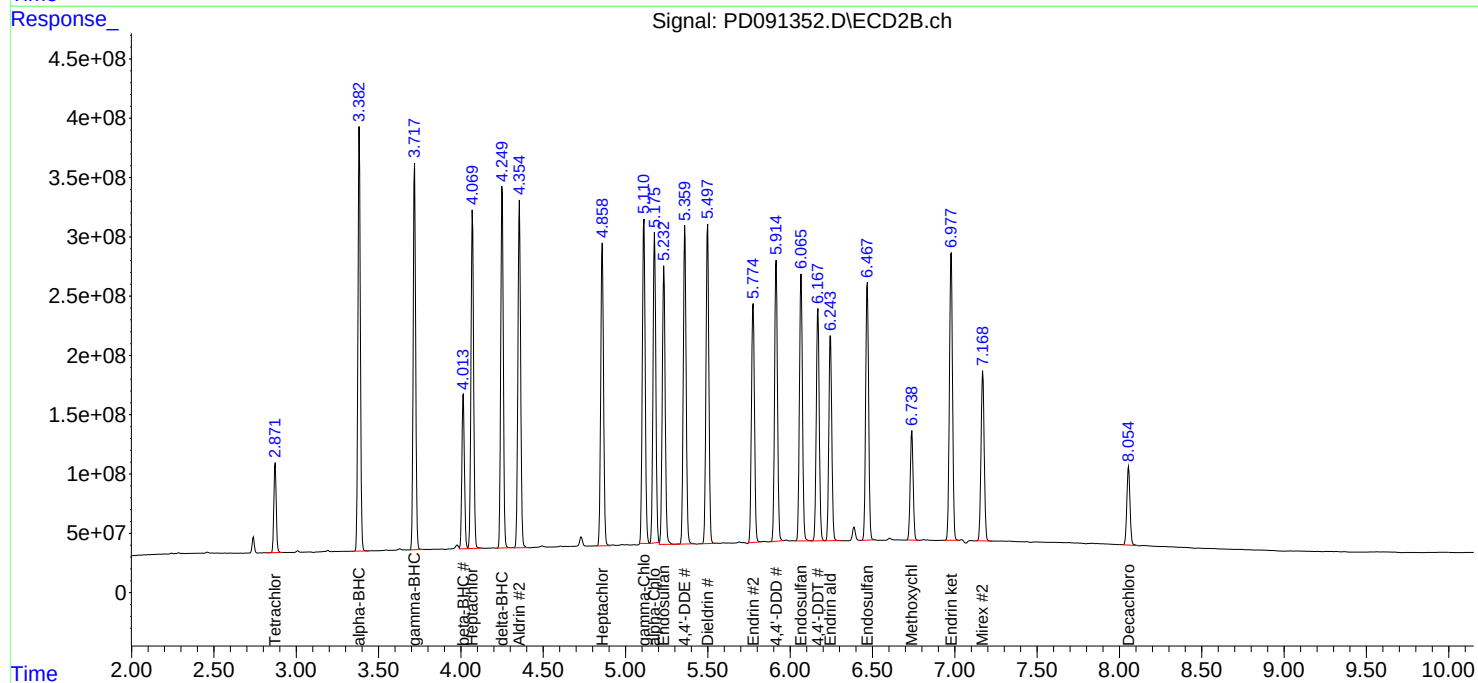
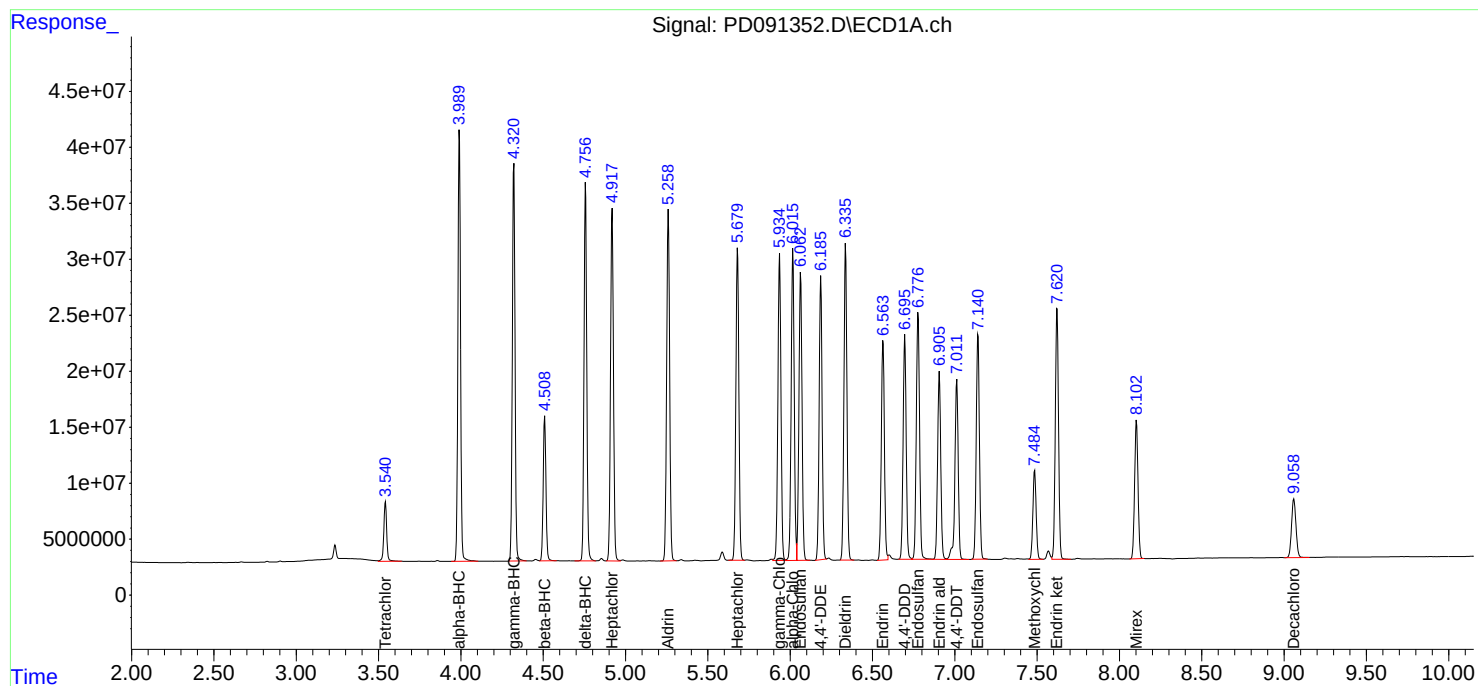
APPROVED

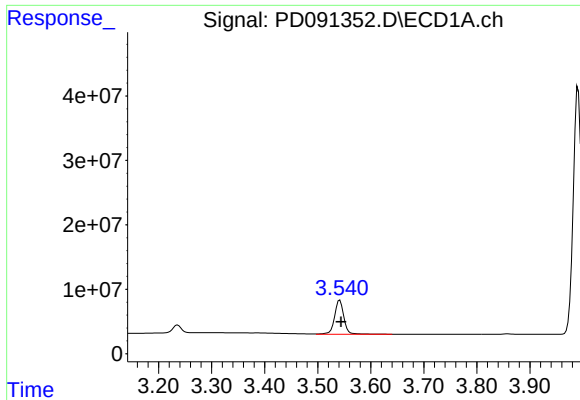
Reviewed By :Abdul Mirza 11/26/2025

Supervised By :mohammad ahmed 11/27/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 26 00:05:41 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
Quant Title : GC Extractables
QLast Update : Sat Nov 15 04:46:13 2025
Response via : Initial Calibration
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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





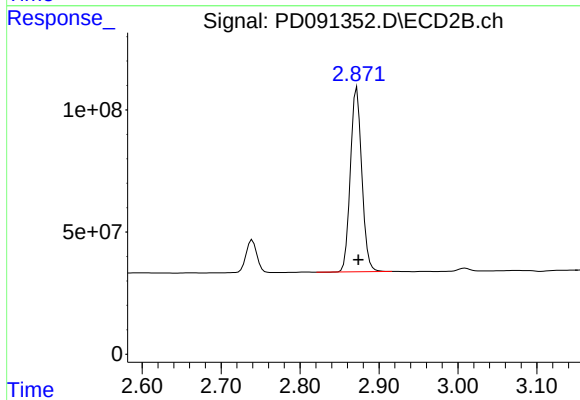
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 65641940
Conc: 19.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

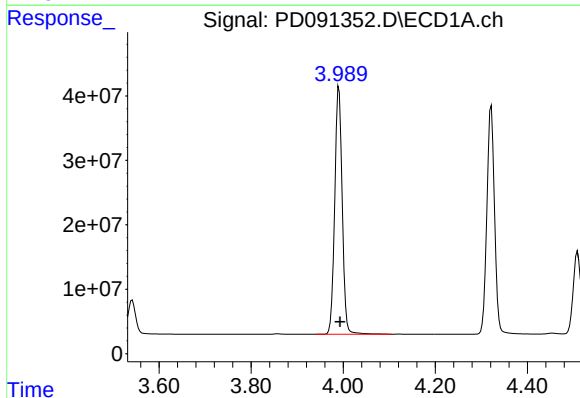
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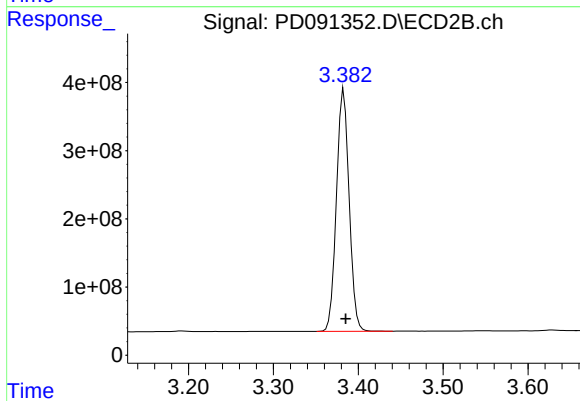
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 759675938
Conc: 20.74 ng/ml



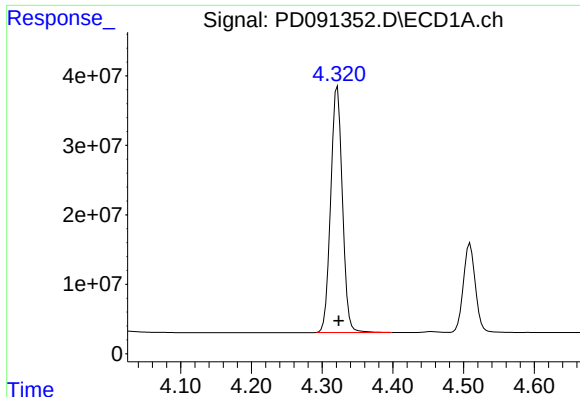
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 433142582
Conc: 54.17 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.002 min
Response: 3687325263
Conc: 58.34 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.322 min
Delta R.T.: -0.002 min
Response: 407462268
Conc: 54.53 ng/ml

Instrument :

ECD_D

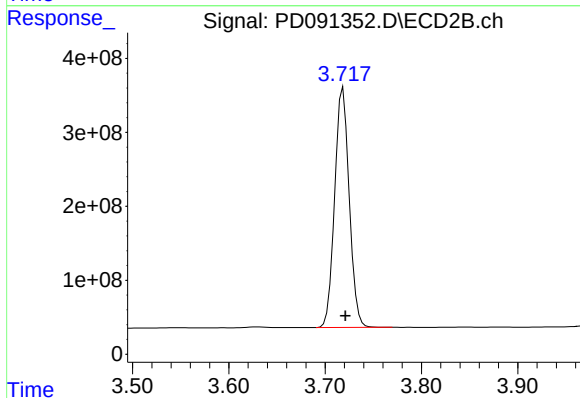
ClientSampleId :

PB170704BS

Manual Integrations

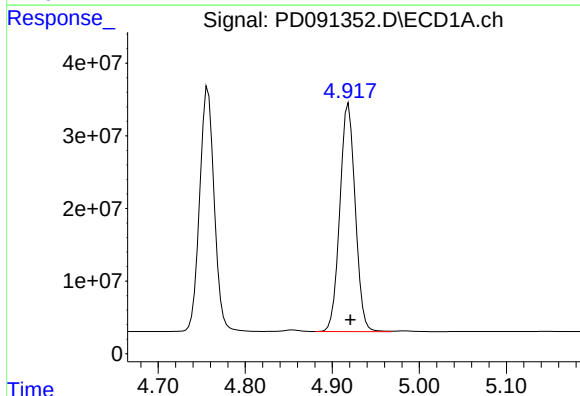
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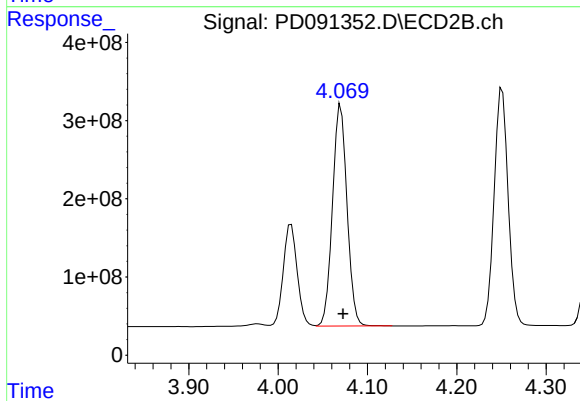
#3 gamma-BHC (Lindane)

R.T.: 3.719 min
Delta R.T.: -0.002 min
Response: 3404453687
Conc: 58.88 ng/ml



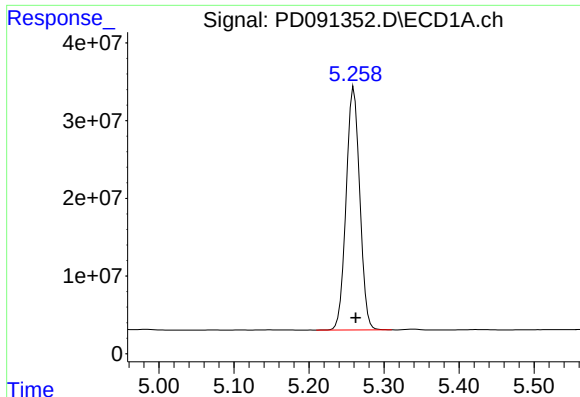
#4 Heptachlor

R.T.: 4.919 min
Delta R.T.: -0.002 min
Response: 385541386
Conc: 53.83 ng/ml



#4 Heptachlor

R.T.: 4.070 min
Delta R.T.: -0.002 min
Response: 3203741019
Conc: 58.03 ng/ml



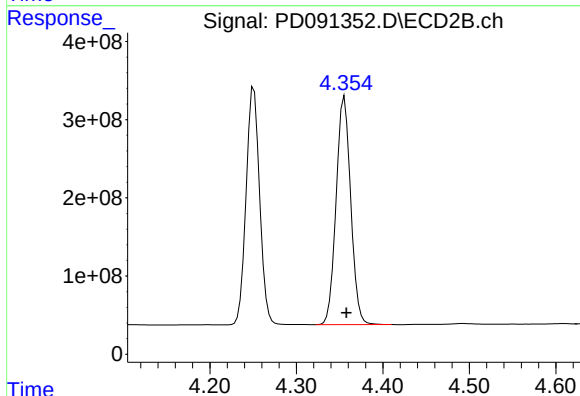
#5 Aldrin

R.T.: 5.260 min
Delta R.T.: -0.002 min
Response: 394531098
Conc: 54.37 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

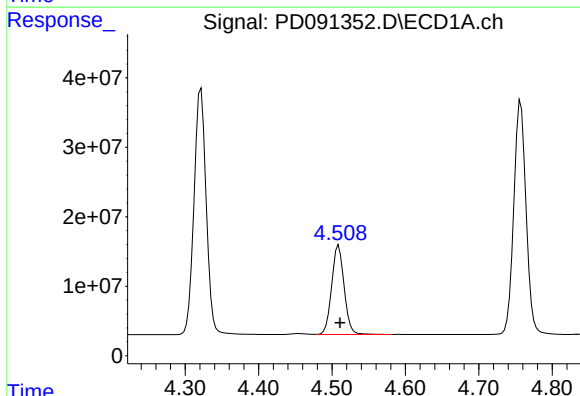
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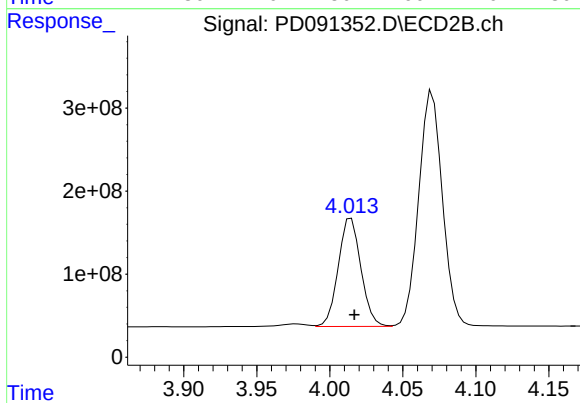
#5 Aldrin

R.T.: 4.356 min
Delta R.T.: -0.002 min
Response: 3404672206
Conc: 60.30 ng/ml



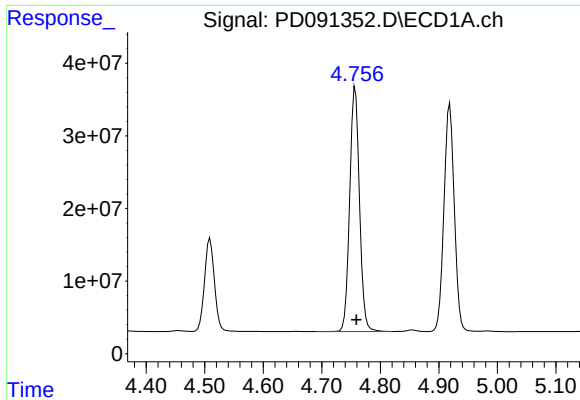
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 151118917
Conc: 52.01 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 1408835835
Conc: 58.64 ng/ml



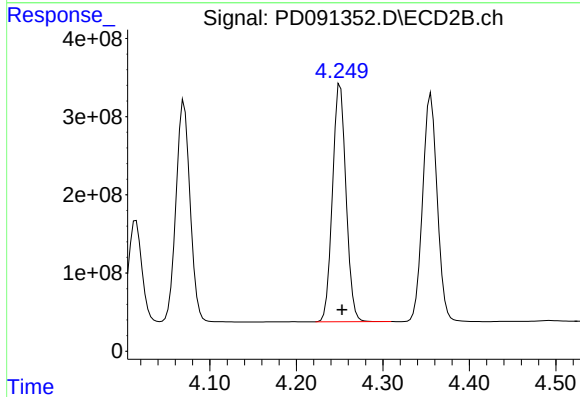
#7 delta-BHC

R.T.: 4.757 min
Delta R.T.: -0.002 min
Response: 391120843
Conc: 52.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

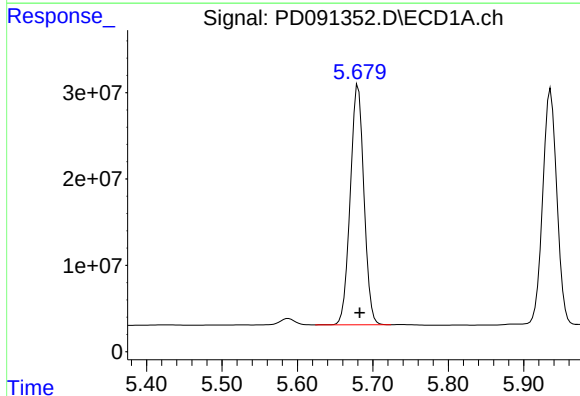
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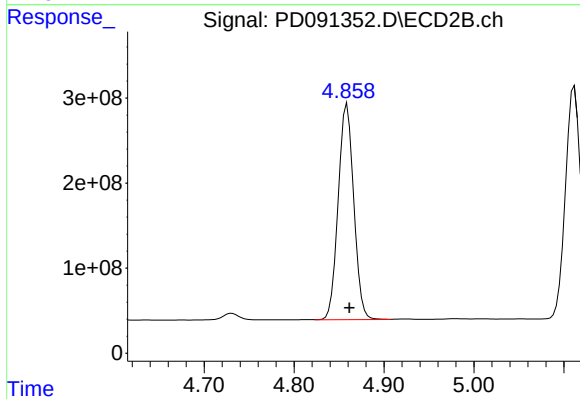
#7 delta-BHC

R.T.: 4.251 min
Delta R.T.: -0.002 min
Response: 3307794607
Conc: 56.57 ng/ml



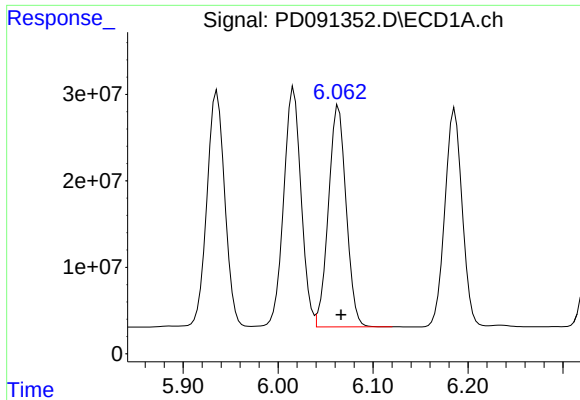
#8 Heptachlor epoxide

R.T.: 5.681 min
Delta R.T.: -0.002 min
Response: 350183365
Conc: 53.90 ng/ml



#8 Heptachlor epoxide

R.T.: 4.859 min
Delta R.T.: -0.003 min
Response: 3052632994
Conc: 59.90 ng/ml



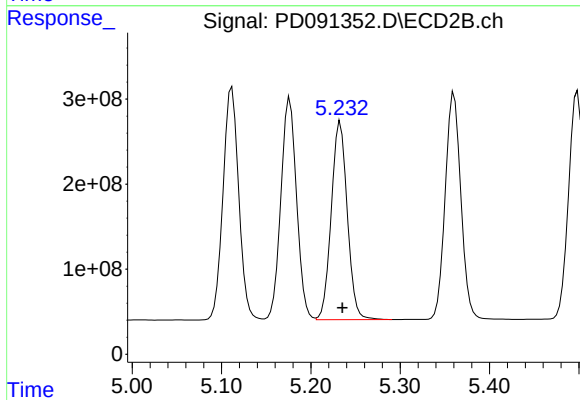
#9 Endosulfan I

R.T.: 6.064 min
Delta R.T.: -0.003 min
Response: 332095747
Conc: 54.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

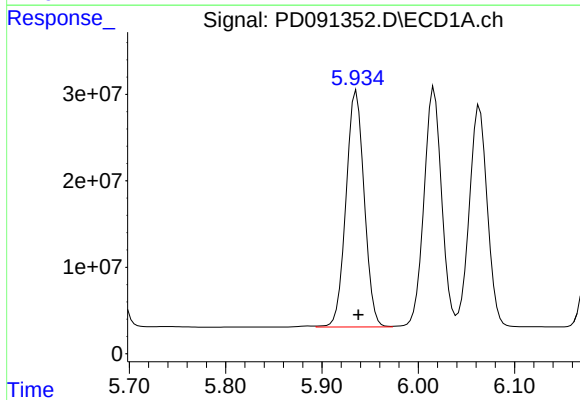
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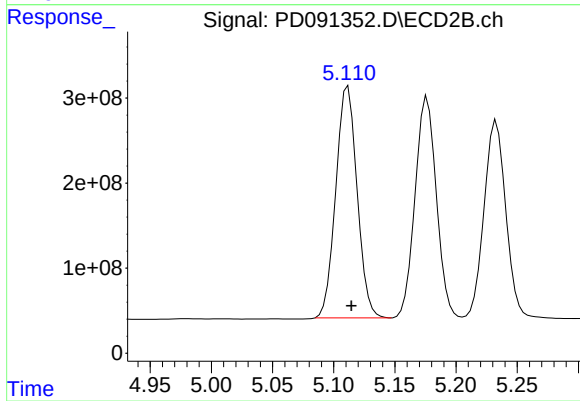
#9 Endosulfan I

R.T.: 5.233 min
Delta R.T.: -0.003 min
Response: 2902528606
Conc: 60.66 ng/ml



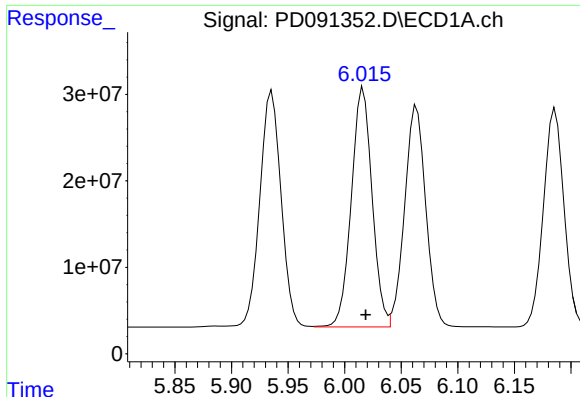
#10 gamma-Chlordane

R.T.: 5.936 min
Delta R.T.: -0.002 min
Response: 357347366
Conc: 54.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.110 min
Delta R.T.: -0.004 min
Response: 3294716017
Conc: 60.31 ng/ml m



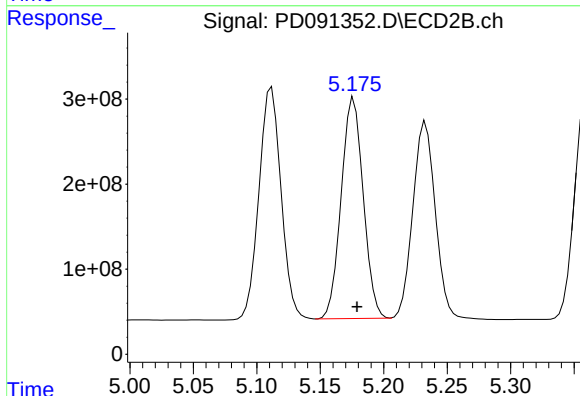
#11 alpha-Chlordane

R.T.: 6.017 min
Delta R.T.: -0.002 min
Response: 353644192
Conc: 51.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

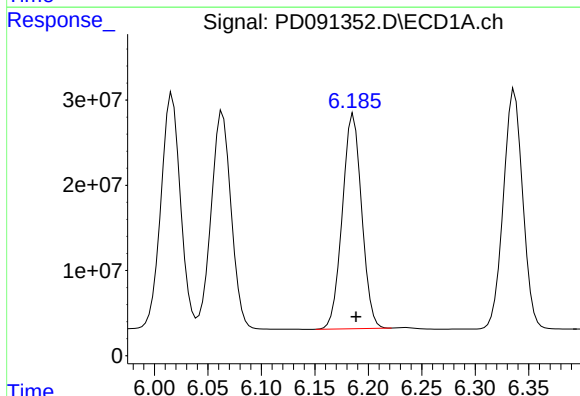
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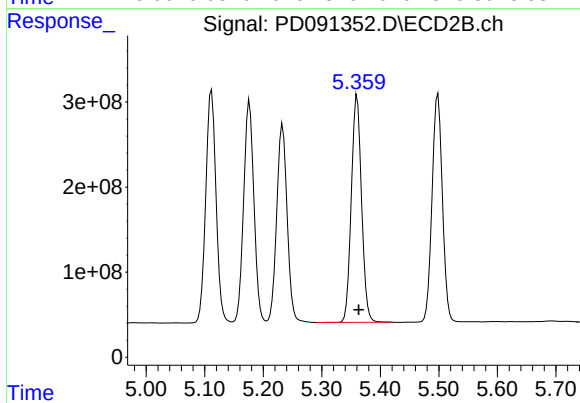
#11 alpha-Chlordane

R.T.: 5.175 min
Delta R.T.: -0.004 min
Response: 3140979603
Conc: 60.02 ng/ml m



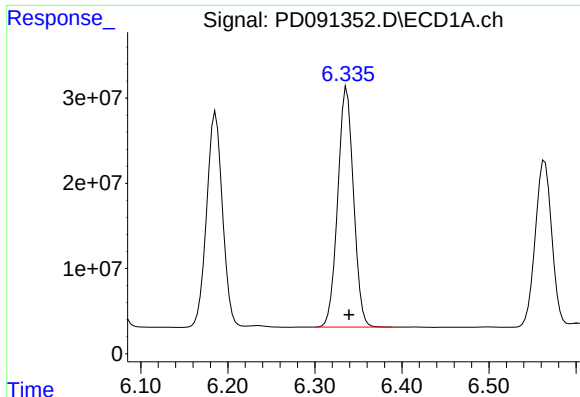
#12 4,4'-DDE

R.T.: 6.186 min
Delta R.T.: -0.002 min
Response: 317558707
Conc: 54.76 ng/ml



#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: -0.003 min
Response: 3241116738
Conc: 60.65 ng/ml



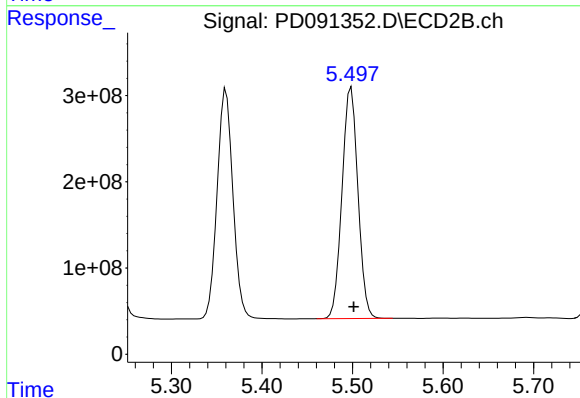
#13 Dieldrin

R.T.: 6.337 min
Delta R.T.: -0.002 min
Response: 354756139
Conc: 54.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

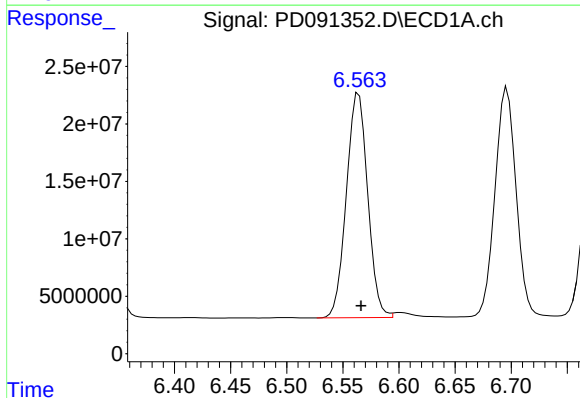
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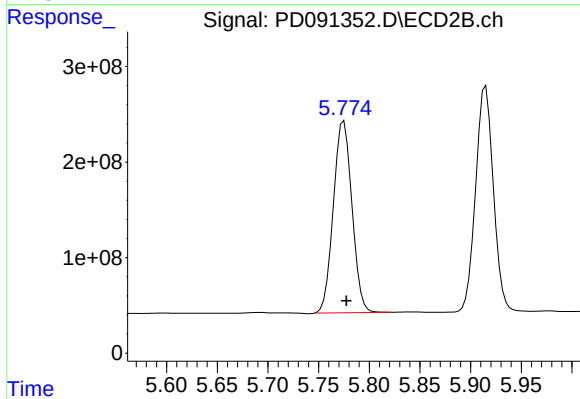
#13 Dieldrin

R.T.: 5.499 min
Delta R.T.: -0.003 min
Response: 3281400556
Conc: 60.42 ng/ml



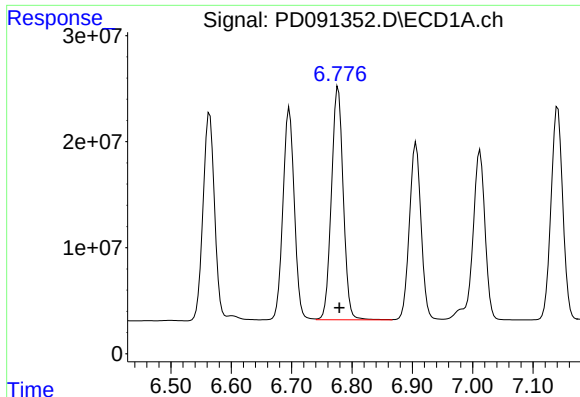
#14 Endrin

R.T.: 6.564 min
Delta R.T.: -0.002 min
Response: 258530467
Conc: 52.09 ng/ml



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.003 min
Response: 2565438767
Conc: 56.77 ng/ml



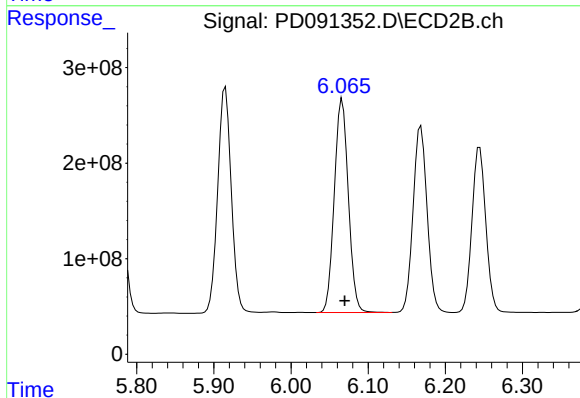
#15 Endosulfan II

R.T.: 6.777 min
Delta R.T.: -0.002 min
Response: 299504702
Conc: 53.87 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

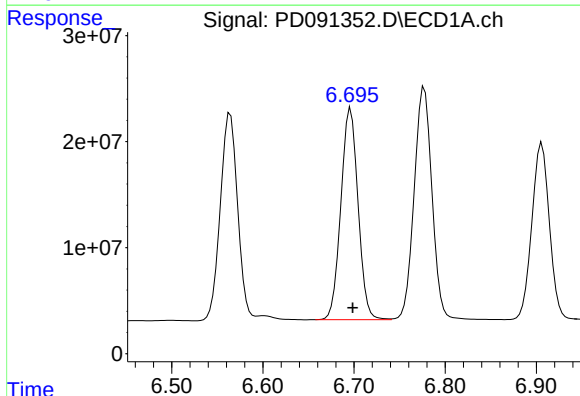
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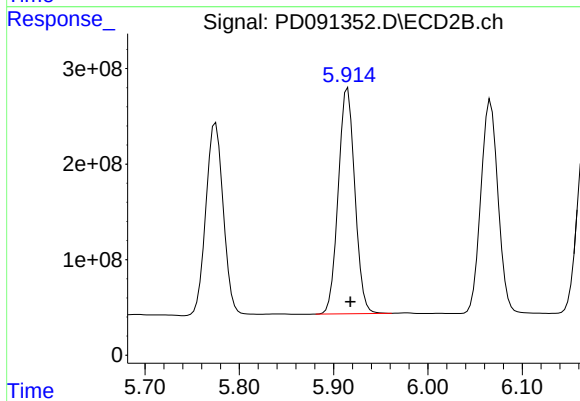
#15 Endosulfan II

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 2839943948
Conc: 60.84 ng/ml



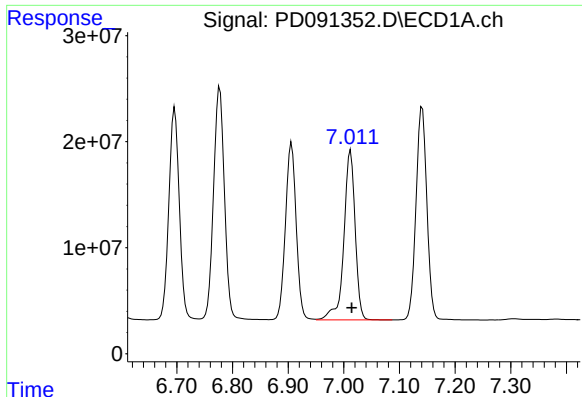
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 261271518
Conc: 53.20 ng/ml



#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 2886242192
Conc: 59.06 ng/ml



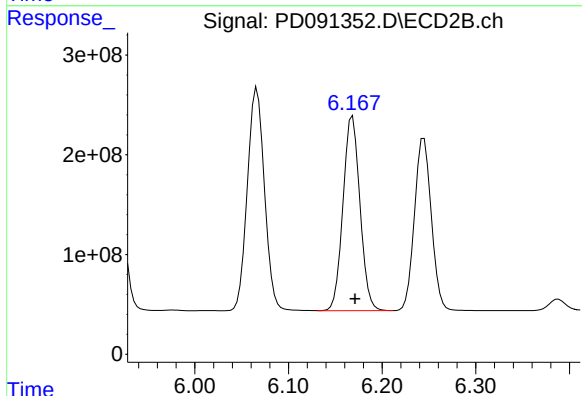
#17 4,4'-DDT

R.T.: 7.012 min
Delta R.T.: -0.002 min
Response: 225834098
Conc: 54.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

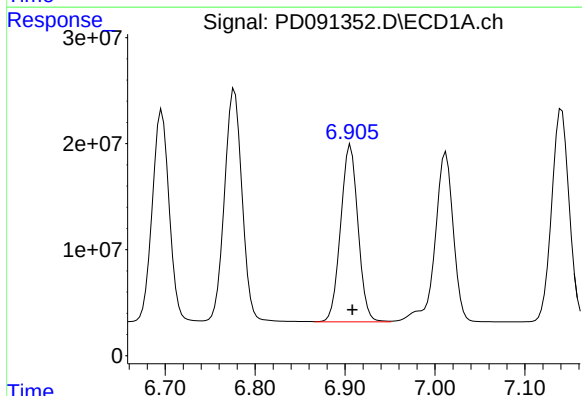
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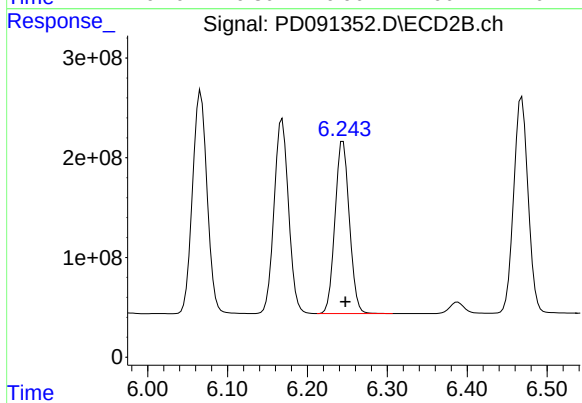
#17 4,4'-DDT

R.T.: 6.168 min
Delta R.T.: -0.003 min
Response: 2459332238
Conc: 62.85 ng/ml



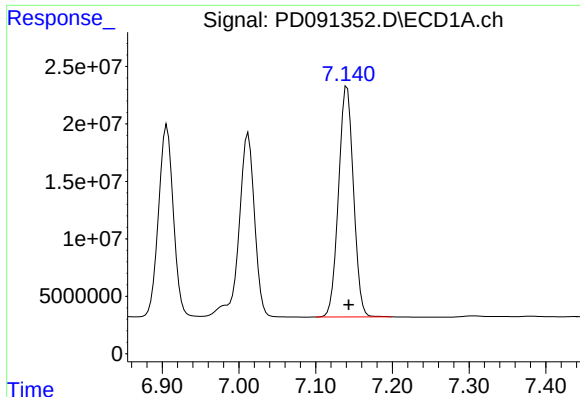
#18 Endrin aldehyde

R.T.: 6.906 min
Delta R.T.: -0.002 min
Response: 224121951
Conc: 53.80 ng/ml



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.003 min
Response: 2161103031
Conc: 61.24 ng/ml



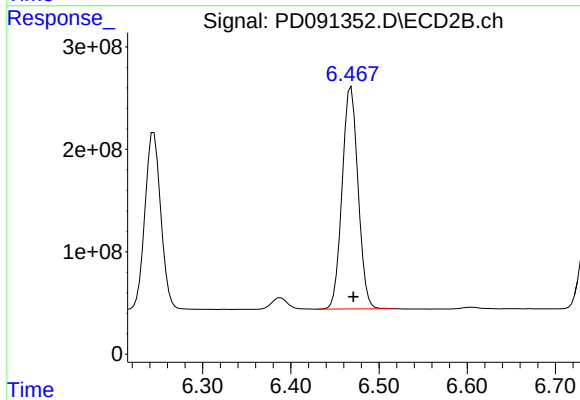
#19 Endosulfan Sulfate

R.T.: 7.141 min
Delta R.T.: -0.002 min
Response: 271837940
Conc: 52.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

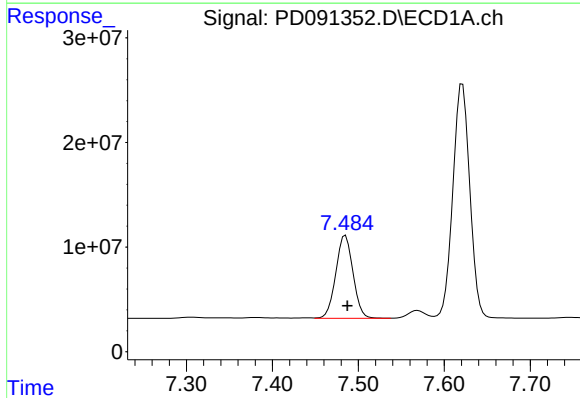
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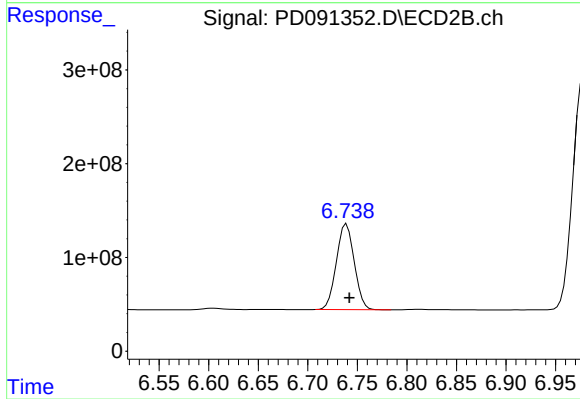
#19 Endosulfan Sulfate

R.T.: 6.468 min
Delta R.T.: -0.003 min
Response: 2719918650
Conc: 60.67 ng/ml



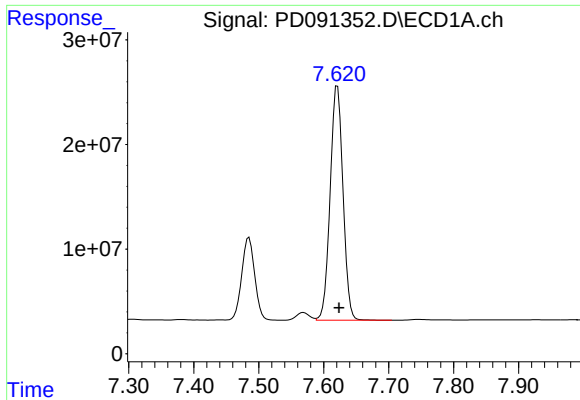
#20 Methoxychlor

R.T.: 7.485 min
Delta R.T.: -0.002 min
Response: 109928855
Conc: 50.56 ng/ml



#20 Methoxychlor

R.T.: 6.739 min
Delta R.T.: -0.003 min
Response: 1148017072
Conc: 57.25 ng/ml



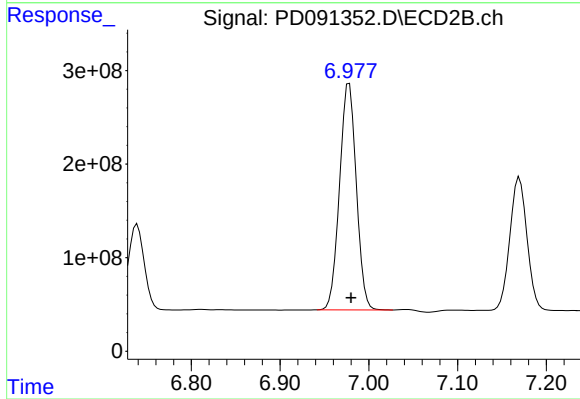
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.003 min
Response: 307071944
Conc: 54.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

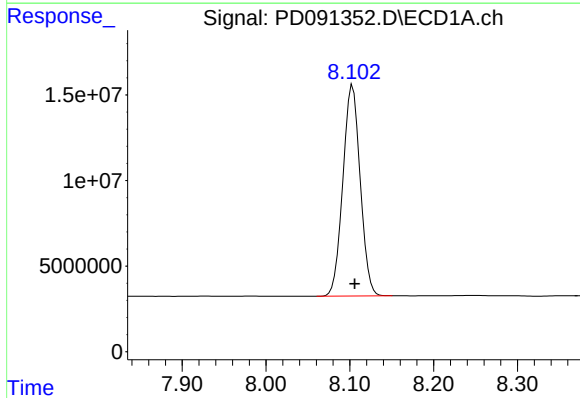
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



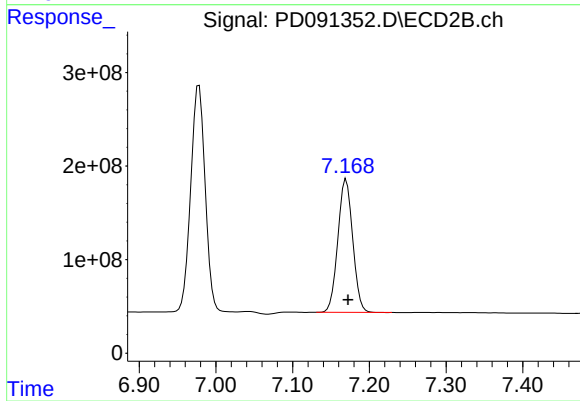
#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.002 min
Response: 3174263439
Conc: 62.29 ng/ml



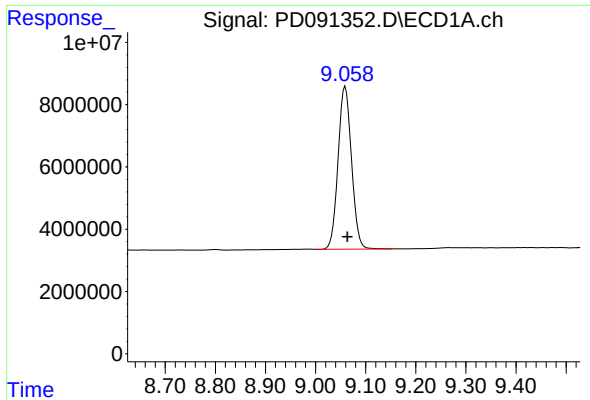
#22 Mirex

R.T.: 8.103 min
Delta R.T.: -0.002 min
Response: 177372452
Conc: 49.87 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.002 min
Response: 1913386810
Conc: 57.74 ng/ml



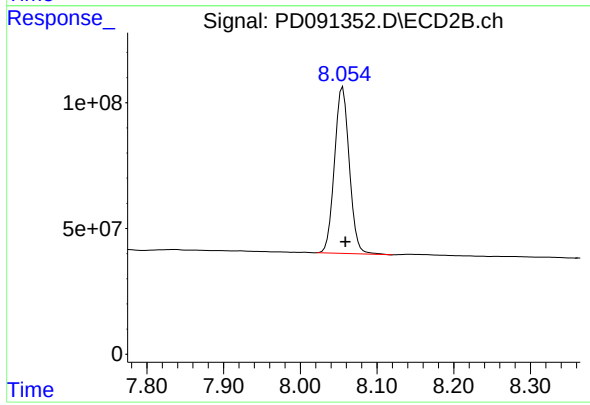
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: -0.004 min
Response: 97532781
Conc: 19.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170704BS

Manual Integrations
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Supervised By :mohammad ahmed 11/27/2025



#28 Decachlorobiphenyl

R.T.: 8.055 min
Delta R.T.: -0.003 min
Response: 888277656
Conc: 22.45 ng/ml