

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
 Data File : PD090552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2025 16:20
 Operator : AR\AJ
 Sample : PB170043BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170043BS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/10/2025
 Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 10 08:24:30 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.875	54037556	493.0E6	16.625	17.962
28)	SA Decachlor...	9.063	8.060	87274611	598.3E6	18.088	18.456
Target Compounds							
2)	A alpha-BHC	3.994	3.387	316.8E6	2070.6E6	45.351	47.293
3)	MA gamma-BHC...	4.325	3.723	300.8E6	1922.1E6	45.464	47.185
4)	MA Heptachlor	4.923	4.075	302.3E6	1902.3E6	45.710	46.720
5)	MB Aldrin	5.264	4.360	290.9E6	1888.8E6	45.809	47.297
6)	B beta-BHC	4.511	4.018	114.6E6	821.3E6	44.420	47.375
7)	B delta-BHC	4.758	4.254	308.0E6	1964.9E6	47.699m	47.582
8)	B Heptachlo...	5.684	4.863	262.8E6	1737.3E6	45.991	47.125
9)	A Endosulfan I	6.066	5.237	246.8E6	1583.3E6	45.682m	45.753
10)	B gamma-Chl...	5.939	5.116	261.3E6	1859.7E6	45.741	47.337
11)	B alpha-Chl...	6.018	5.180	270.2E6	1779.2E6	46.911m	47.237
12)	B 4,4'-DDE	6.189	5.365	239.4E6	1828.3E6	45.975	47.763
13)	MA Dieldrin	6.340	5.503	265.9E6	1841.4E6	46.125	47.281
14)	MA Endrin	6.567	5.779	228.2E6	1743.0E6	46.622	48.643
15)	B Endosulfa...	6.780	6.071	231.3E6	1599.7E6	47.416	47.399
16)	A 4,4'-DDD	6.699	5.919	192.8E6	1543.7E6	47.061	47.605
17)	MA 4,4'-DDT	7.015	6.173	205.3E6	1600.5E6	46.109	46.554
18)	B Endrin al...	6.909	6.249	172.8E6	1212.4E6	50.375	51.487
19)	B Endosulfa...	7.143	6.472	210.7E6	1549.6E6	45.801	47.404
20)	A Methoxychlor	7.487	6.744	105.9E6	795.4E6	44.951	45.710
21)	B Endrin ke...	7.624	6.979	225.5E6	1755.1E6	45.574	48.614m
22)	Mirex	8.106	7.174	160.6E6	1244.6E6	43.339	45.084

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
Data File : PD090552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 16:20
Operator : AR\AJ
Sample : PB170043BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB170043BS

Manual Integrations

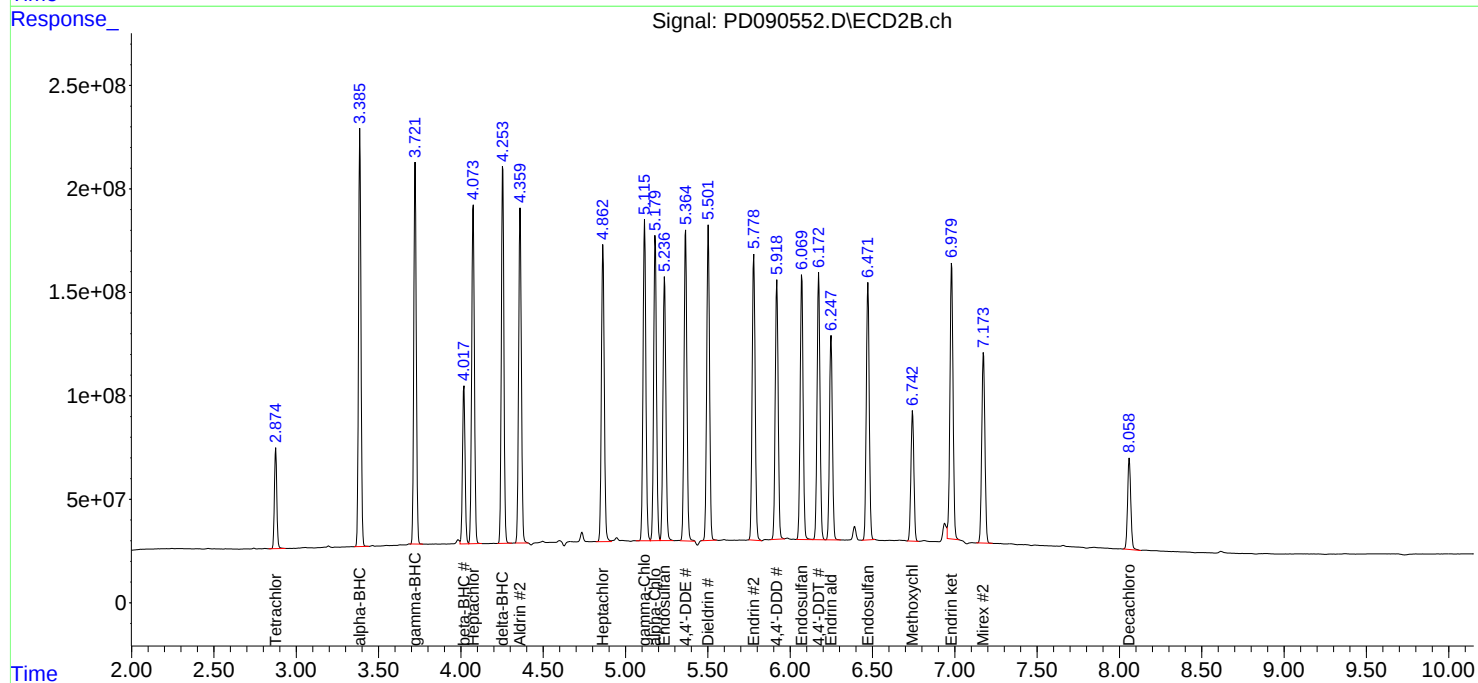
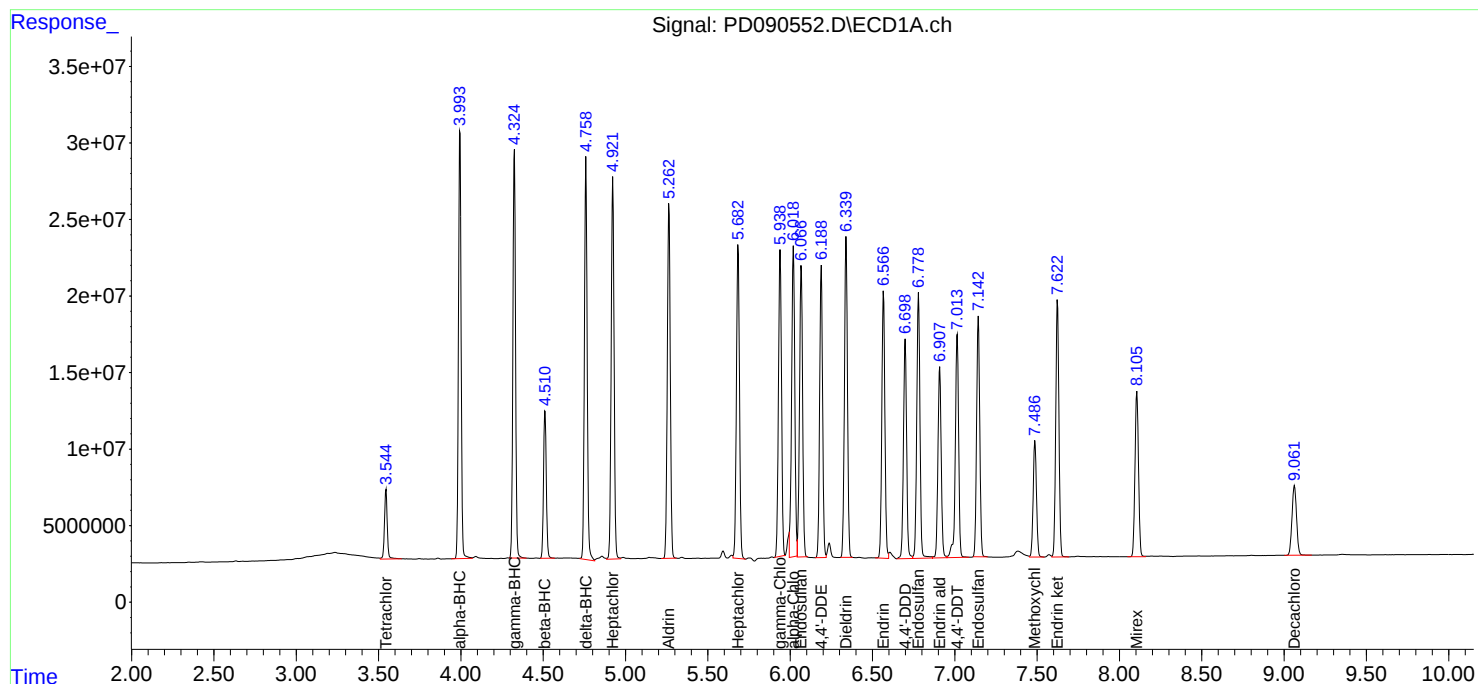
APPROVED

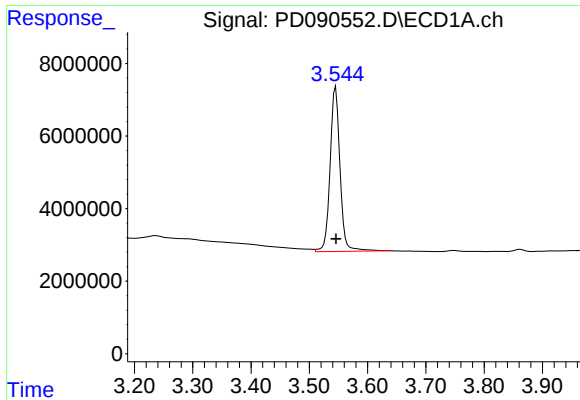
Reviewed By :Abdul Mirza 10/10/2025

Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 08:24:30 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 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





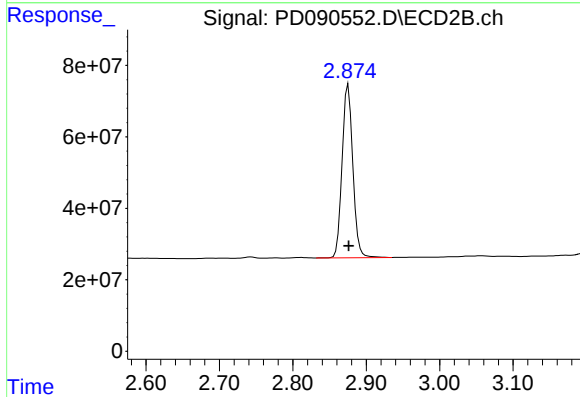
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 54037556
Conc: 16.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

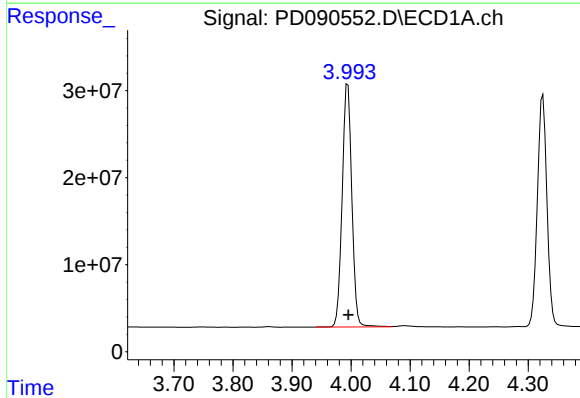
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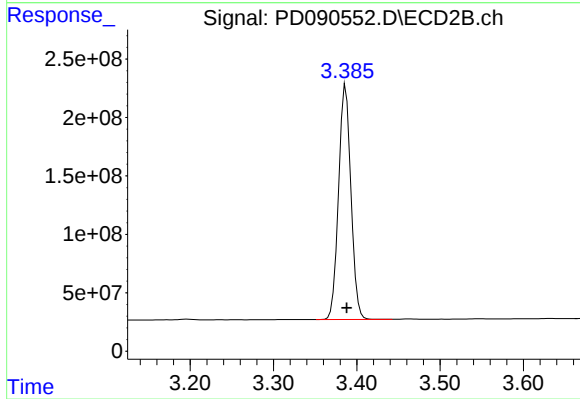
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 493048466
Conc: 17.96 ng/ml



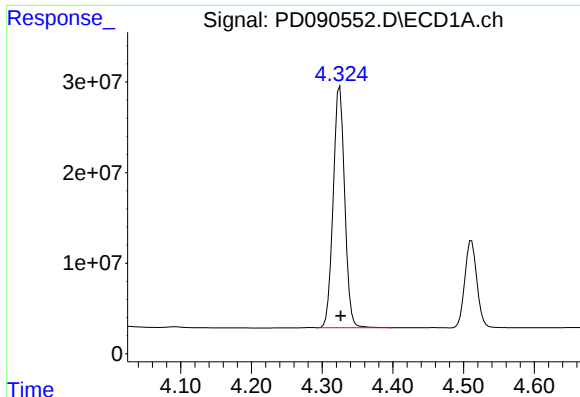
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 316756123
Conc: 45.35 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2070642375
Conc: 47.29 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 300832226
Conc: 45.46 ng/ml

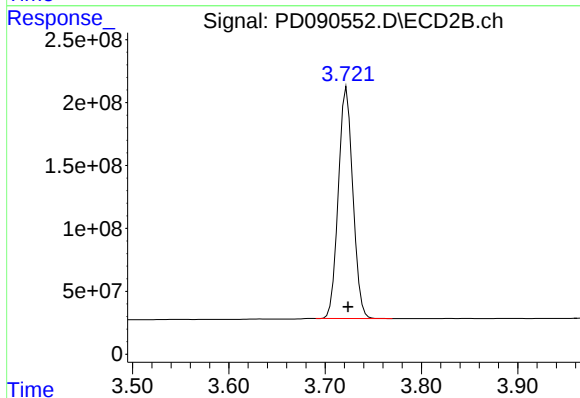
Instrument :

ECD_D

ClientSampleId :
PB170043BS

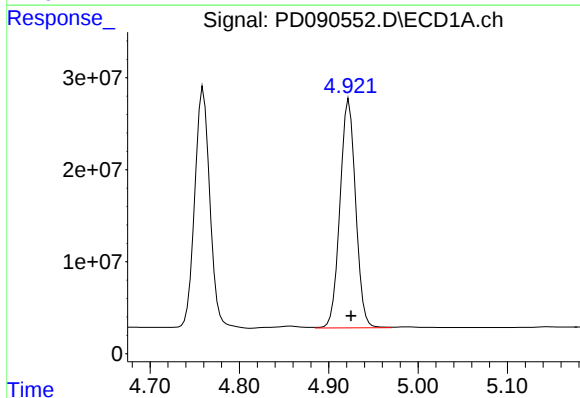
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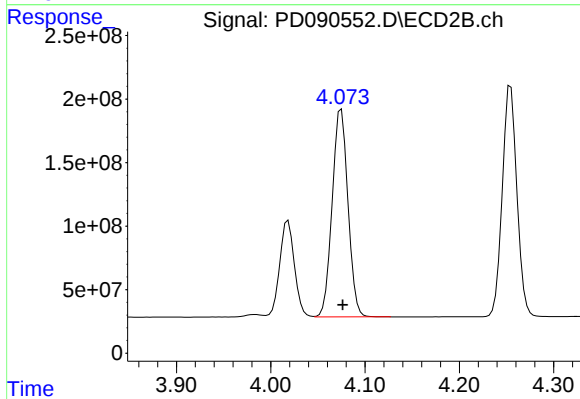
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 1922100765
Conc: 47.18 ng/ml



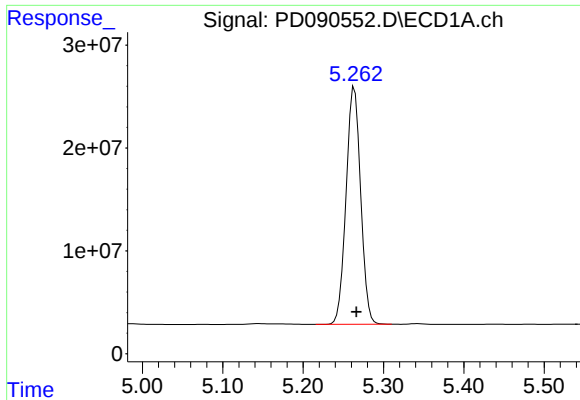
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 302263183
Conc: 45.71 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 1902287788
Conc: 46.72 ng/ml



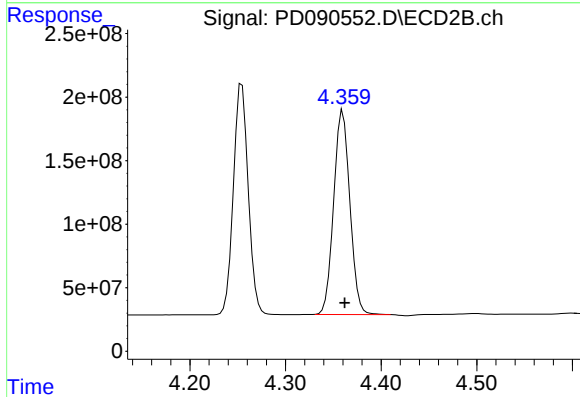
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 290886977
Conc: 45.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

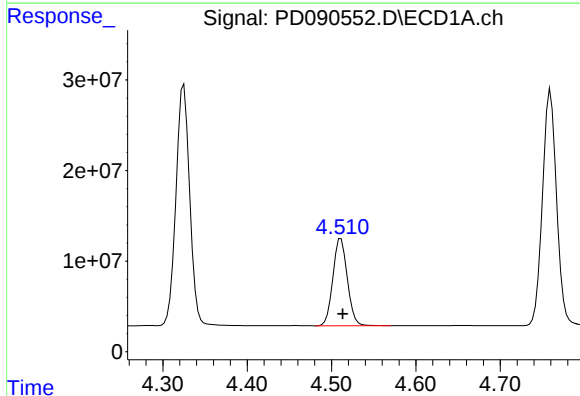
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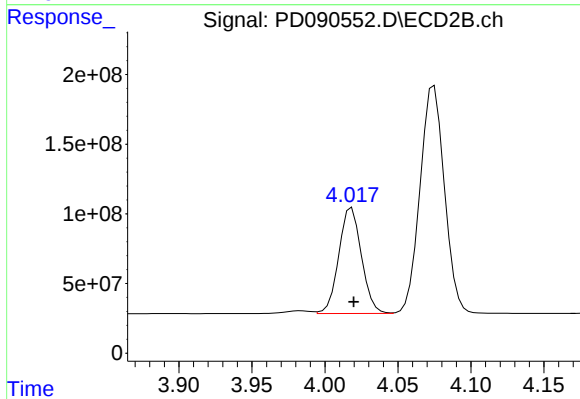
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1888789653
Conc: 47.30 ng/ml



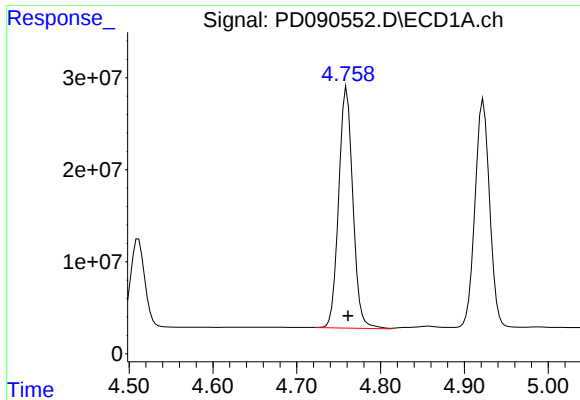
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.002 min
Response: 114599048
Conc: 44.42 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 821260850
Conc: 47.38 ng/ml



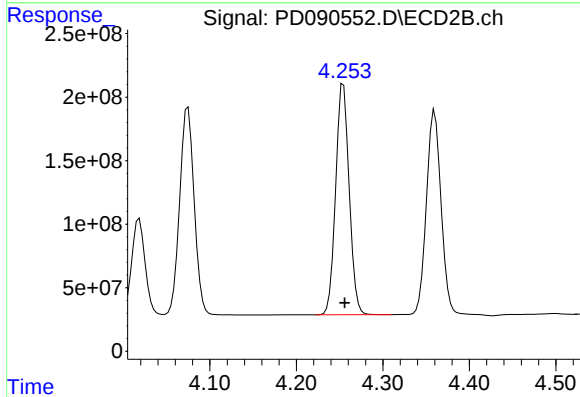
#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 308017399
Conc: 47.70 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

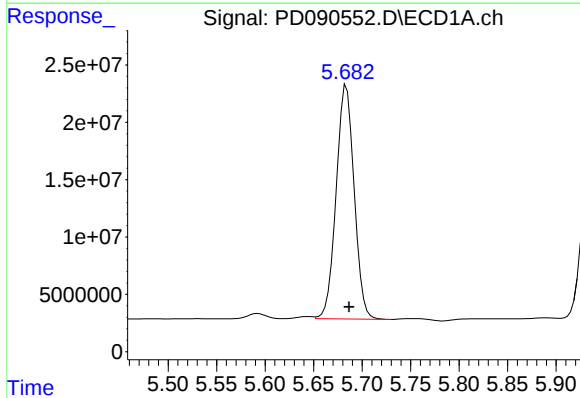
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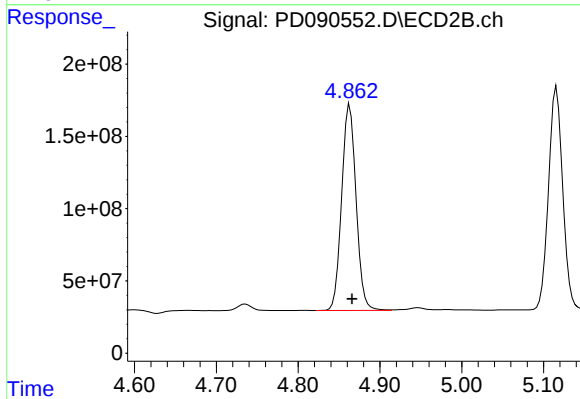
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 1964895490
Conc: 47.58 ng/ml



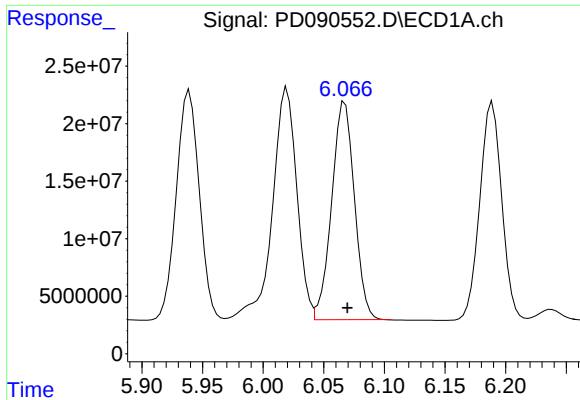
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 262832889
Conc: 45.99 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.003 min
Response: 1737251750
Conc: 47.12 ng/ml



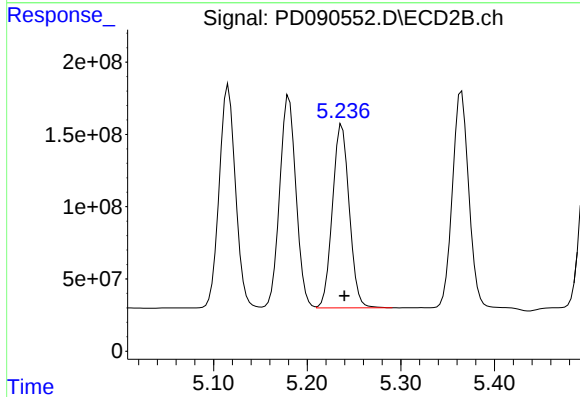
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.004 min
Response: 246751598
Conc: 45.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

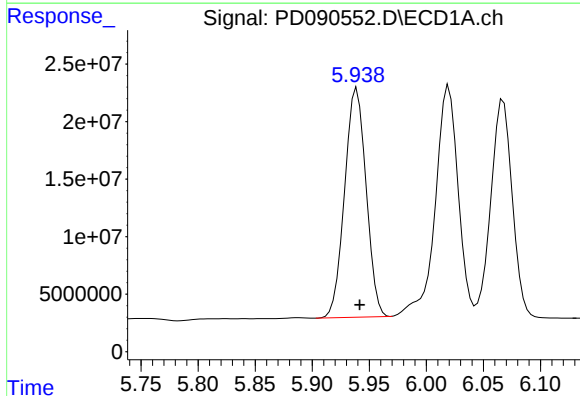
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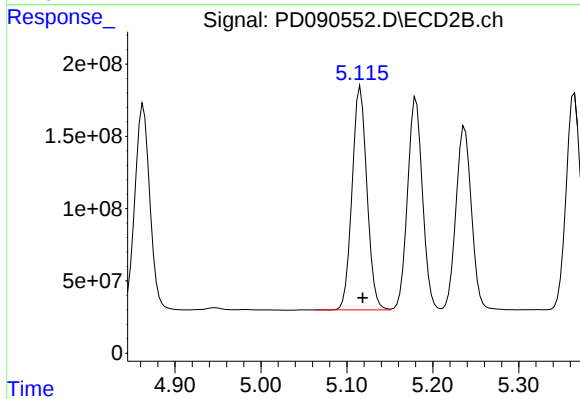
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.003 min
Response: 1583292152
Conc: 45.75 ng/ml



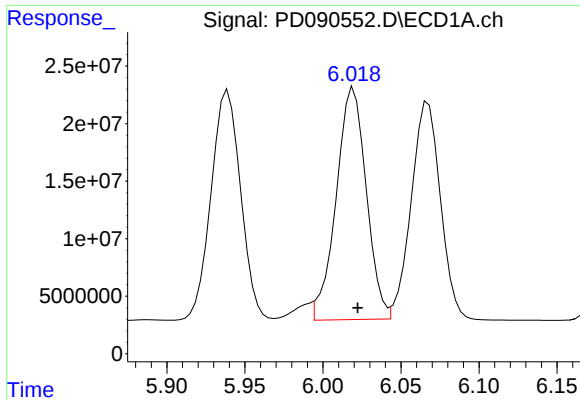
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.002 min
Response: 261268981
Conc: 45.74 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.002 min
Response: 1859698478
Conc: 47.34 ng/ml



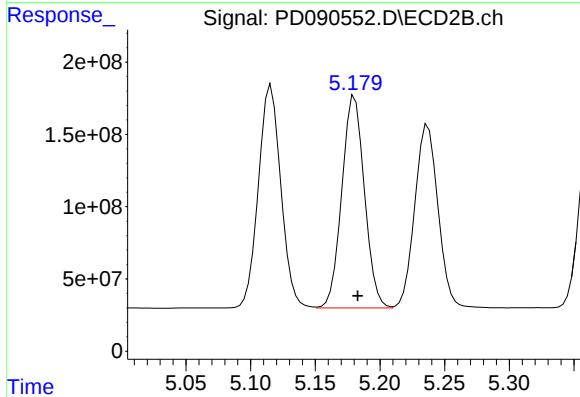
#11 alpha-Chlordane

R.T.: 6.018 min
Delta R.T.: -0.004 min
Response: 270246548
Conc: 46.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

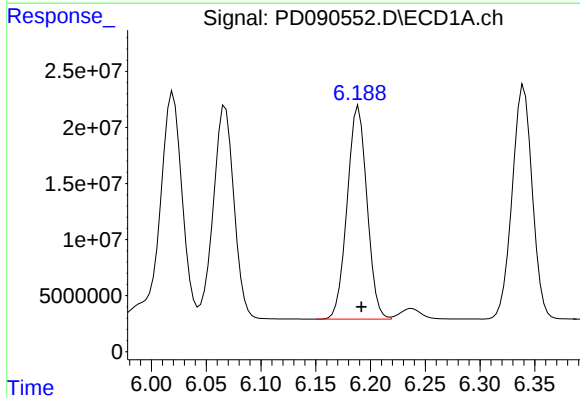
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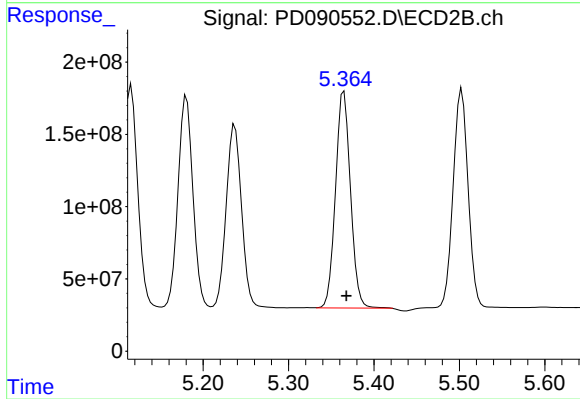
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 1779208007
Conc: 47.24 ng/ml



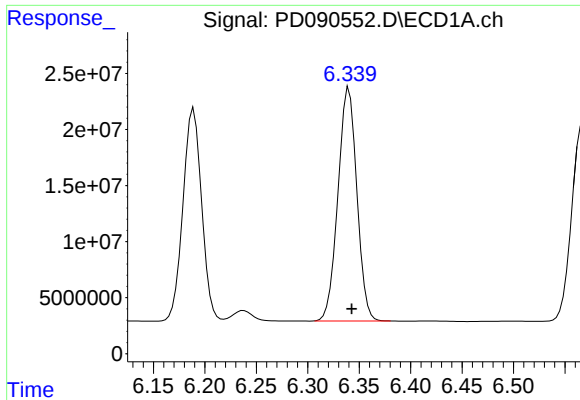
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 239415648
Conc: 45.98 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1828314926
Conc: 47.76 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.003 min
Response: 265894215
Conc: 46.12 ng/ml

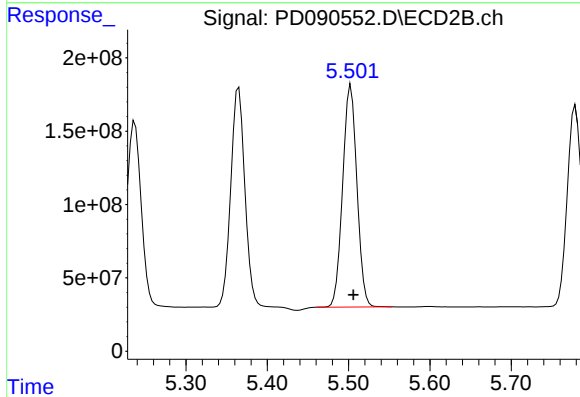
Instrument :

ECD_D

ClientSampleId :
PB170043BS

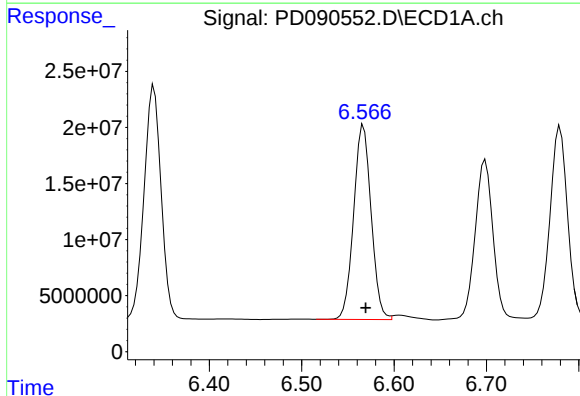
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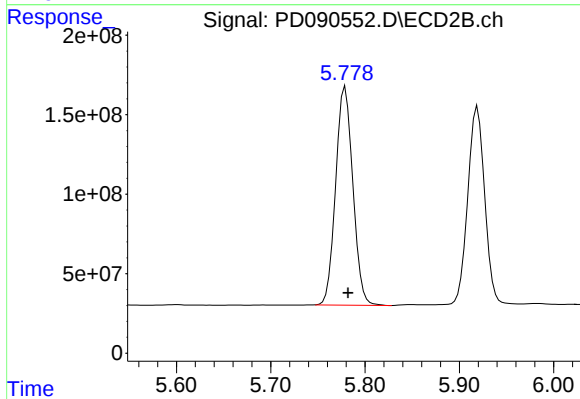
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 1841401368
Conc: 47.28 ng/ml



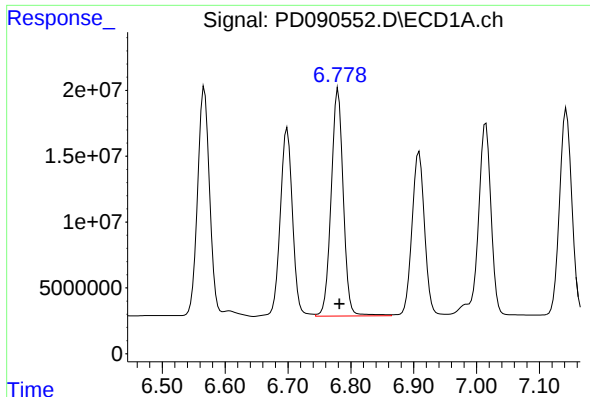
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 228165074
Conc: 46.62 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1742967968
Conc: 48.64 ng/ml



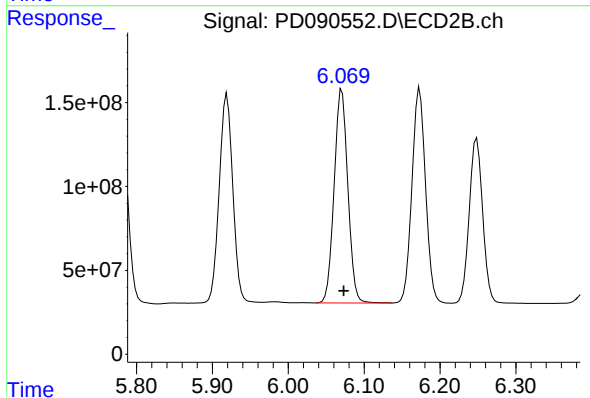
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.002 min
Response: 231287133
Conc: 47.42 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

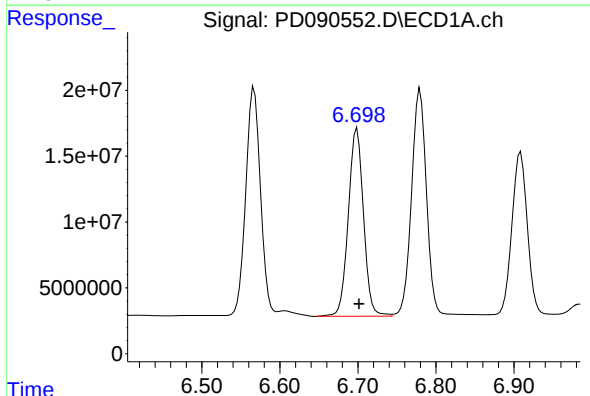
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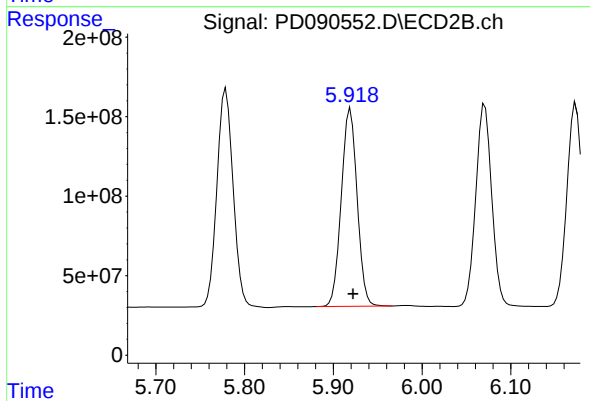
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 1599742249
Conc: 47.40 ng/ml



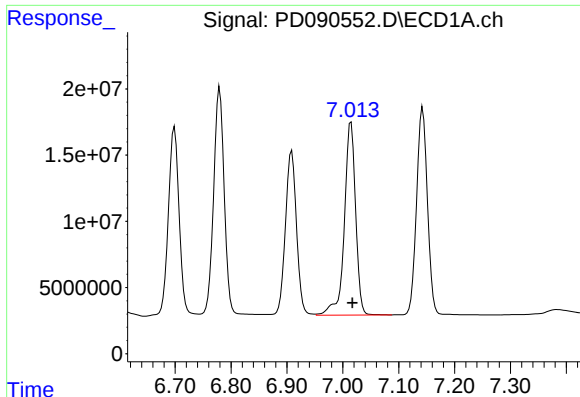
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 192849181
Conc: 47.06 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 1543725043
Conc: 47.60 ng/ml



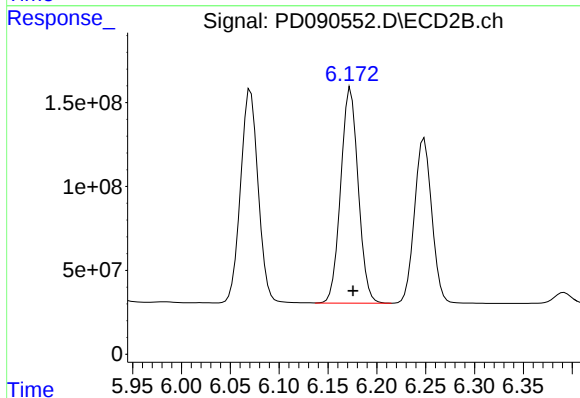
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 205300160
Conc: 46.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

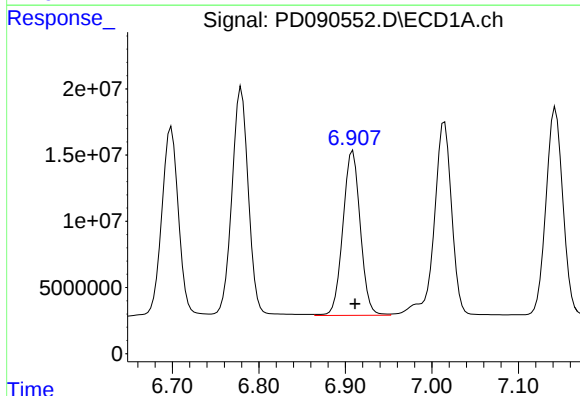
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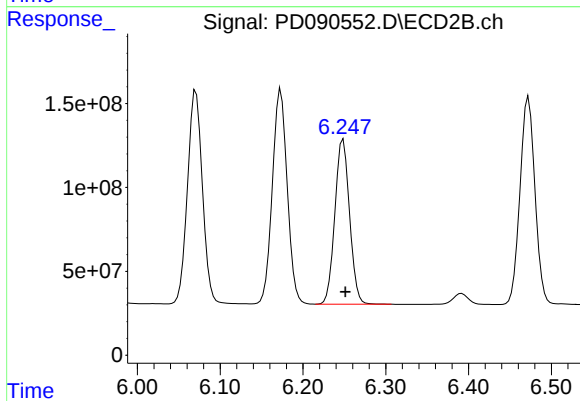
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.002 min
Response: 1600496525
Conc: 46.55 ng/ml



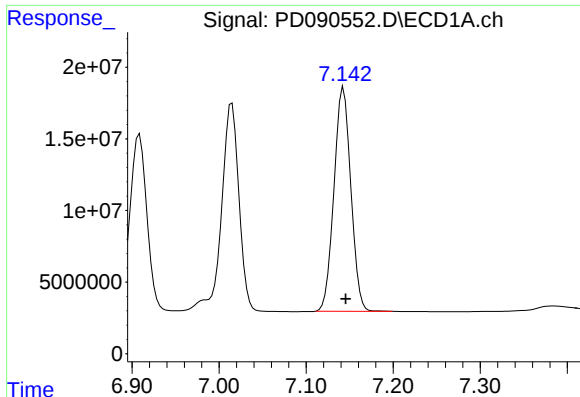
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.003 min
Response: 172815503
Conc: 50.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.003 min
Response: 1212355372
Conc: 51.49 ng/ml



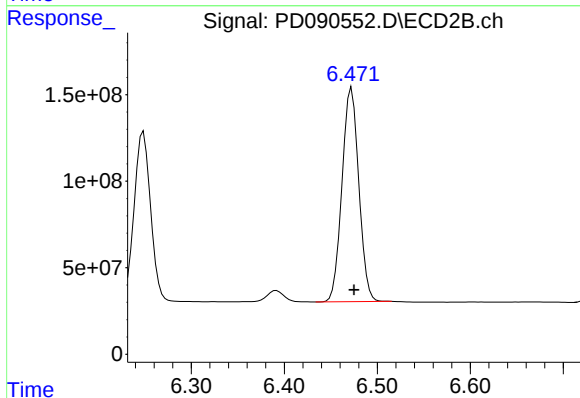
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 210701485
Conc: 45.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

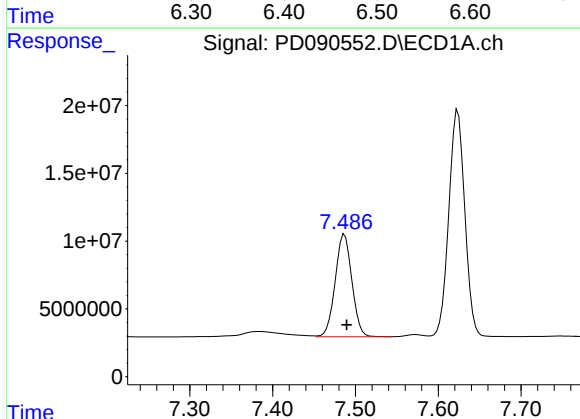
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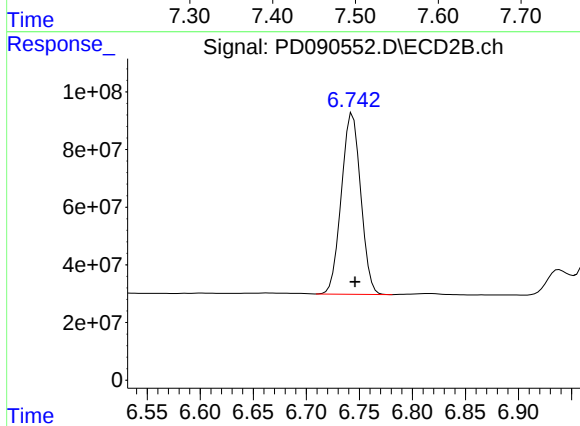
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.003 min
Response: 1549646749
Conc: 47.40 ng/ml



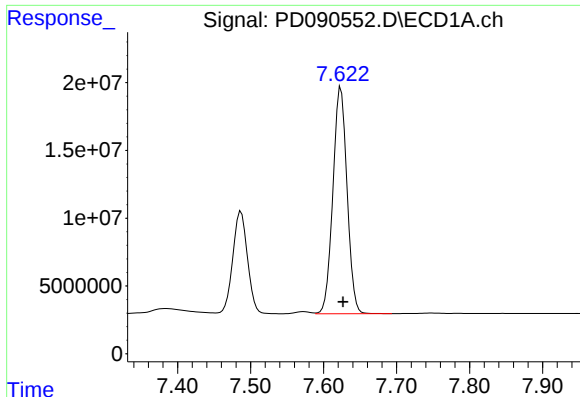
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.003 min
Response: 105926487
Conc: 44.95 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 795371555
Conc: 45.71 ng/ml



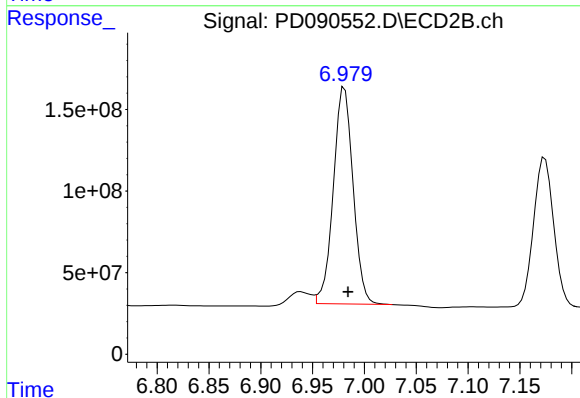
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.003 min
Response: 225469240
Conc: 45.57 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

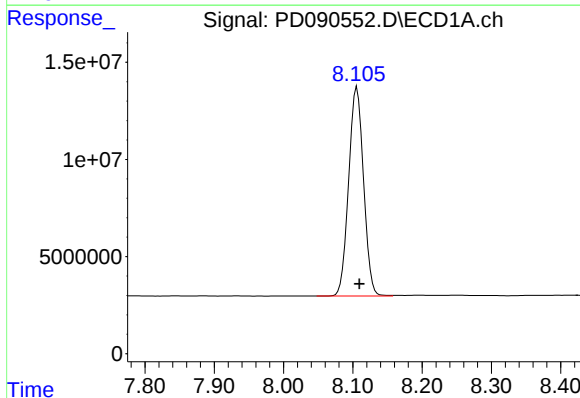
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



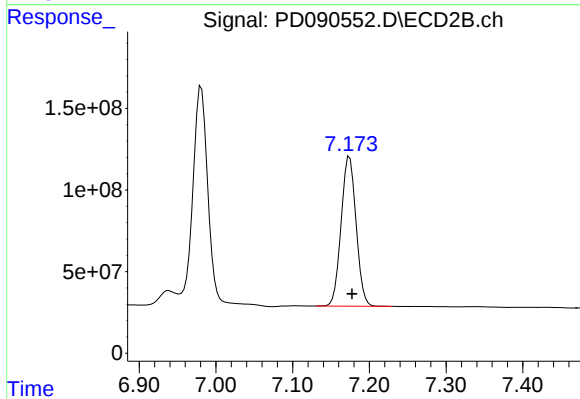
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: -0.005 min
Response: 1755097133
Conc: 48.61 ng/ml m



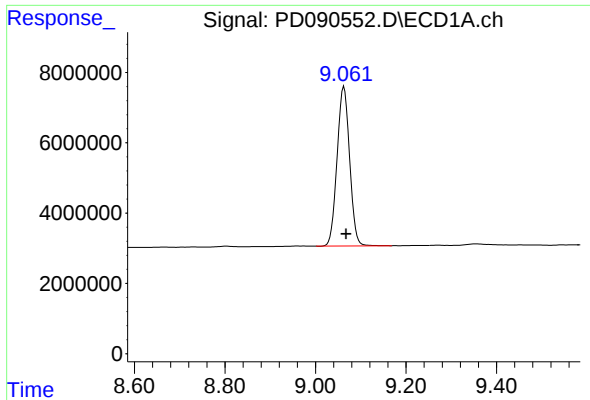
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.003 min
Response: 160564461
Conc: 43.34 ng/ml



#22 Mirex

R.T.: 7.174 min
Delta R.T.: -0.003 min
Response: 1244591379
Conc: 45.08 ng/ml



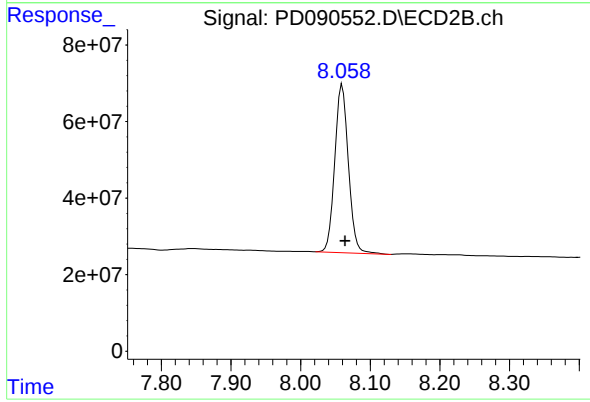
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.005 min
Response: 87274611
Conc: 18.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170043BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/10/2025
Supervised By :mohammad ahmed 10/11/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 598254713
Conc: 18.46 ng/ml