

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091525\
 Data File : PD090278.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Sep 2025 17:34
 Operator : AR\AJ
 Sample : PB169551BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169551BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/16/2025
 Supervised By : mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 16 07:08:02 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...	3.551	2.876	59297318	536.0E6	20.205	24.307
28)	SA Decachlor...	9.072	8.064	108.0E6	701.2E6	25.034	27.088
Target Compounds							
2)	A alpha-BHC	4.000	3.388	277.4E6	1782.2E6	46.213m	52.512
3)	MA gamma-BHC...	4.330	3.724	263.1E6	1643.5E6	45.940m	52.725
4)	MA Heptachlor	4.930	4.077	268.0E6	1644.0E6	47.773	52.708
5)	MB Aldrin	5.270	4.363	255.7E6	1624.4E6	47.216m	53.337
6)	B beta-BHC	4.517	4.021	99874899	694.3E6	44.527m	52.083
7)	B delta-BHC	4.767	4.257	261.6E6	1643.7E6	50.524	52.099
8)	B Heptachlo...	5.691	4.867	228.9E6	1485.4E6	46.651	53.636
9)	A Endosulfan I	6.075	5.242	219.8E6	1417.6E6	47.634	54.060
10)	B gamma-Chl...	5.947	5.120	229.5E6	1601.8E6	46.916	54.094
11)	B alpha-Chl...	6.027	5.185	232.2E6	1539.6E6	47.165	53.948
12)	B 4,4'-DDE	6.197	5.369	212.3E6	1562.5E6	48.371	54.211
13)	MA Dieldrin	6.346	5.507	235.6E6	1585.3E6	48.133m	54.129
14)	MA Endrin	6.573	5.782	200.4E6	1424.3E6	48.375m	53.479m
15)	B Endosulfa...	6.788	6.075	190.1E6	1379.8E6	45.059	54.547
16)	A 4,4'-DDD	6.706	5.923	165.1E6	1319.0E6	47.730	54.859
17)	MA 4,4'-DDT	7.020	6.177	176.6E6	1407.5E6	46.361m	56.143
18)	B Endrin al...	6.916	6.253	146.3E6	1023.2E6	51.027	59.419
19)	B Endosulfa...	7.149	6.476	187.3E6	1322.8E6	47.796m	54.258
20)	A Methoxychlor	7.494	6.747	95556974	700.8E6	47.645	54.341
21)	B Endrin ke...	7.631	6.985	203.5E6	1464.5E6	49.102	54.964
22)	Mirex	8.114	7.178	148.8E6	1119.9E6	47.171	54.218

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091525\
Data File : PD090278.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 15 Sep 2025 17:34
Operator : AR\AJ
Sample : PB169551BS
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PB169551BS

Manual Integrations

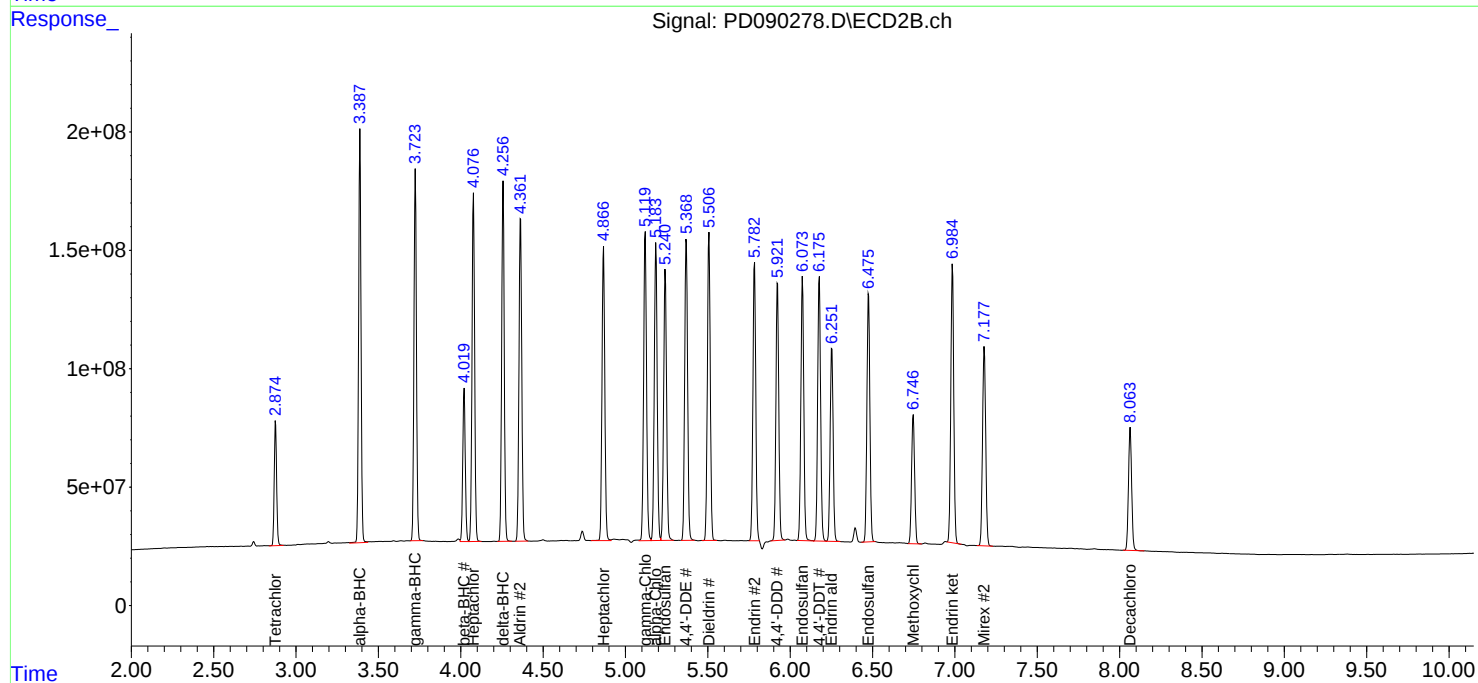
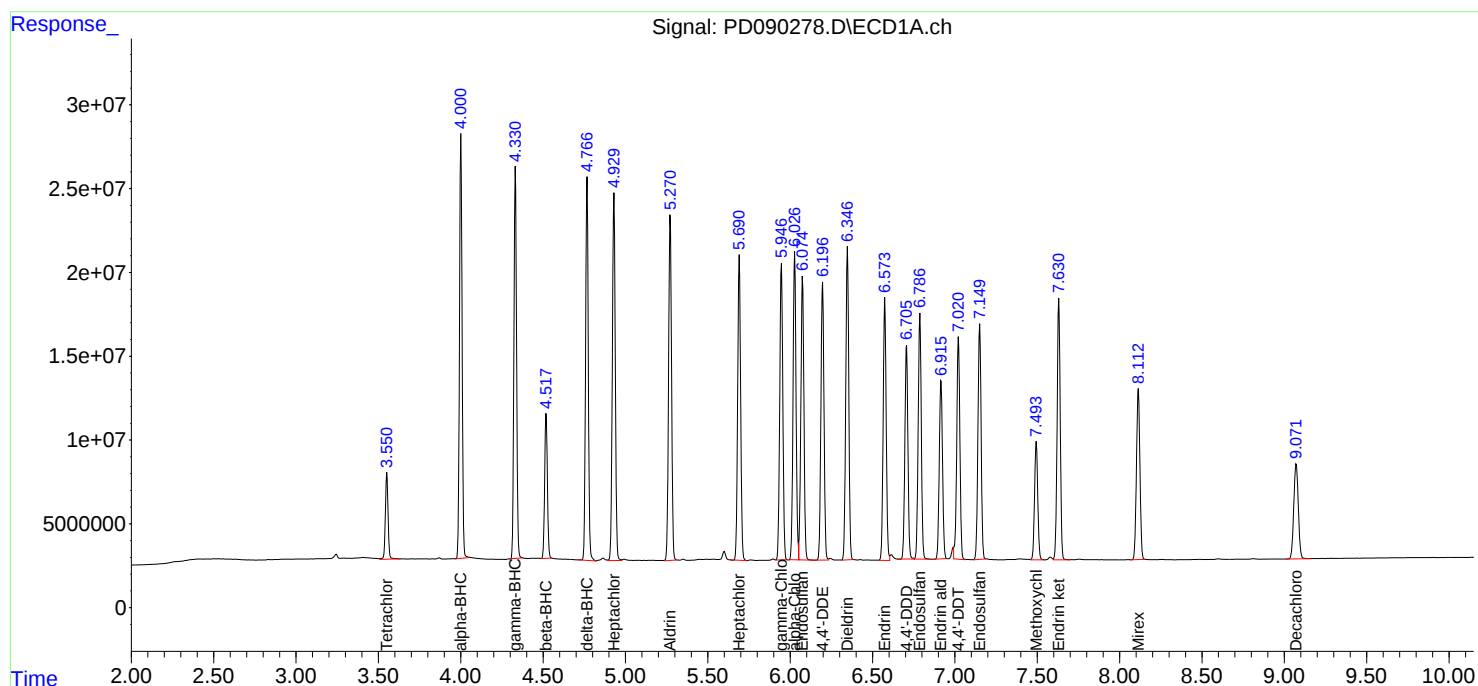
APPROVED

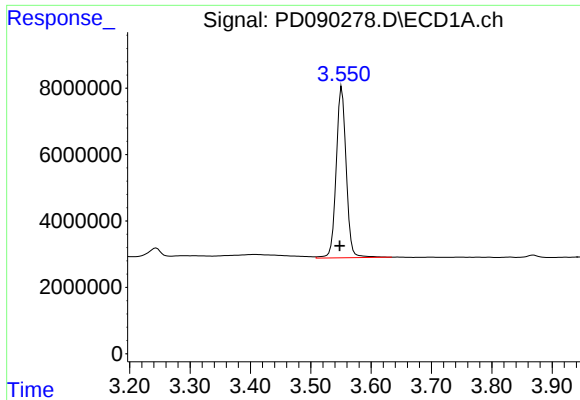
Reviewed By :Abdul Mirza 09/16/2025

Supervised By :mohammad ahmed 09/17/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 16 07:08:02 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





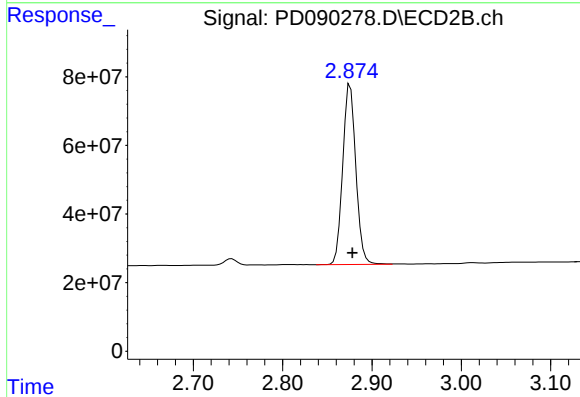
#1 Tetrachloro-m-xylene

R.T.: 3.551 min
Delta R.T.: 0.003 min
Response: 59297318
Conc: 20.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

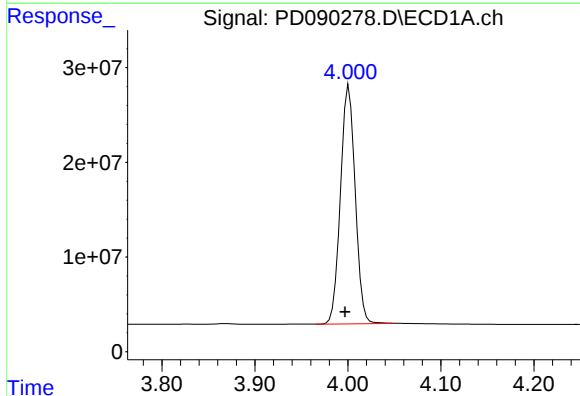
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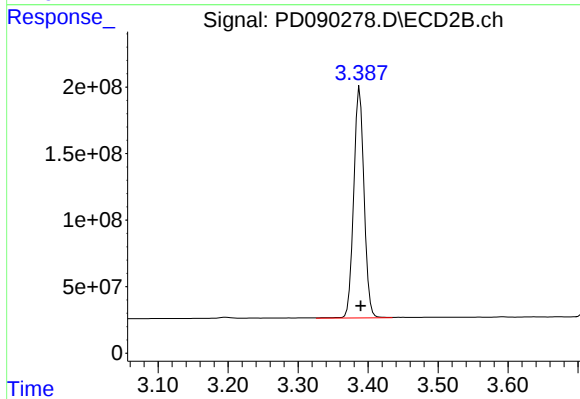
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 535979161
Conc: 24.31 ng/ml



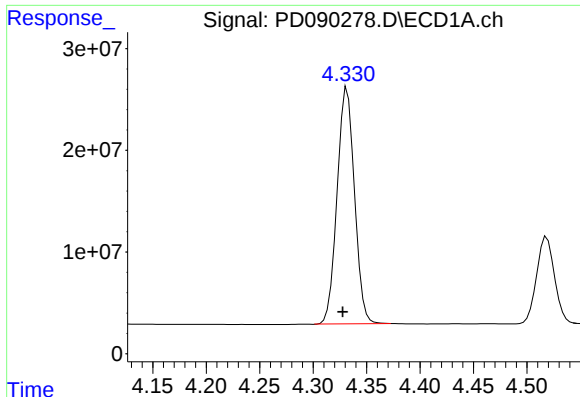
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.003 min
Response: 277381628
Conc: 46.21 ng/ml m



#2 alpha-BHC

R.T.: 3.388 min
Delta R.T.: -0.001 min
Response: 1782188927
Conc: 52.51 ng/ml



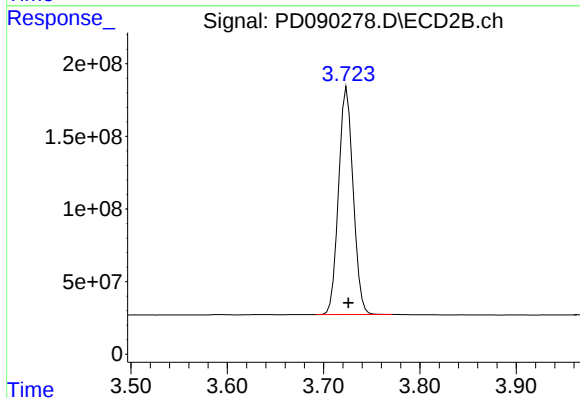
#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.003 min
Response: 263092591
Conc: 45.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

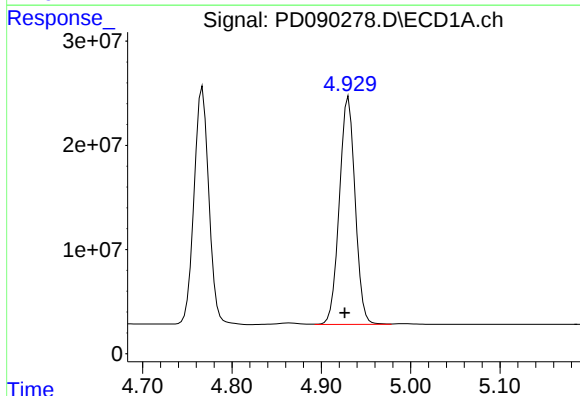
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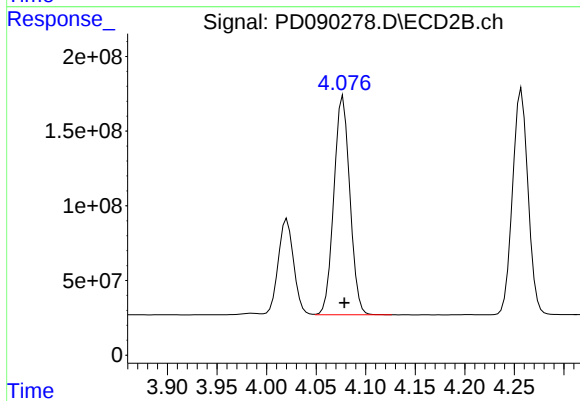
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.001 min
Response: 1643488205
Conc: 52.73 ng/ml



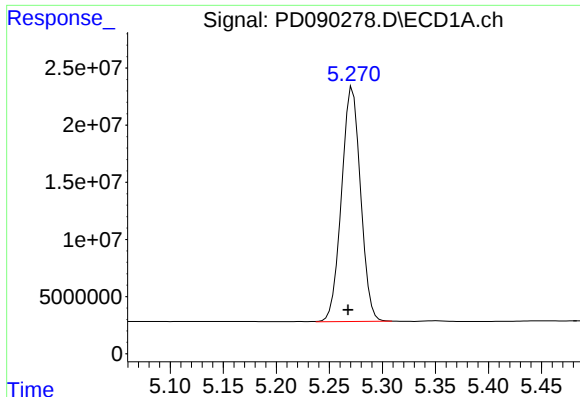
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.004 min
Response: 267965271
Conc: 47.77 ng/ml



#4 Heptachlor

R.T.: 4.077 min
Delta R.T.: -0.001 min
Response: 1644037607
Conc: 52.71 ng/ml



#5 Aldrin

R.T.: 5.270 min
Delta R.T.: 0.003 min
Response: 255650114
Conc: 47.22 ng/ml

Instrument :

ECD_D

ClientSampleId :

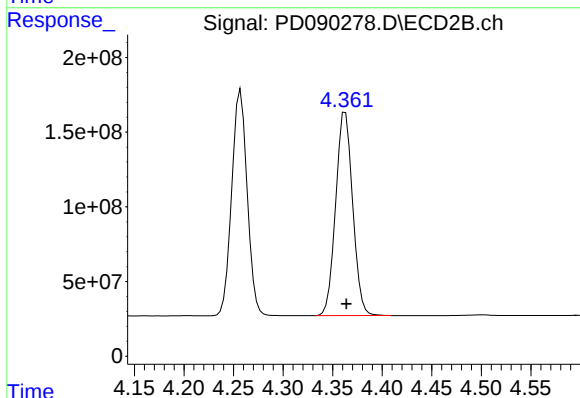
PB169551BS

Manual Integrations

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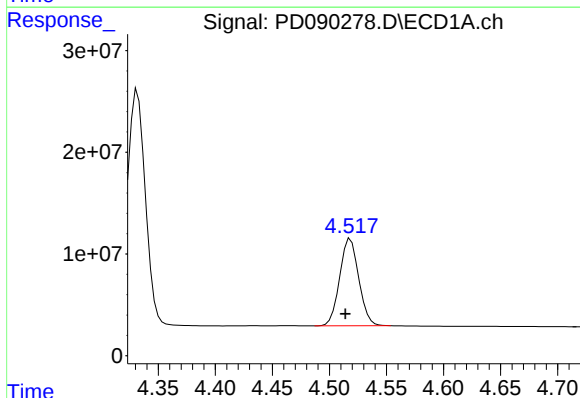
Reviewed By :Abdul Mirza 09/16/2025

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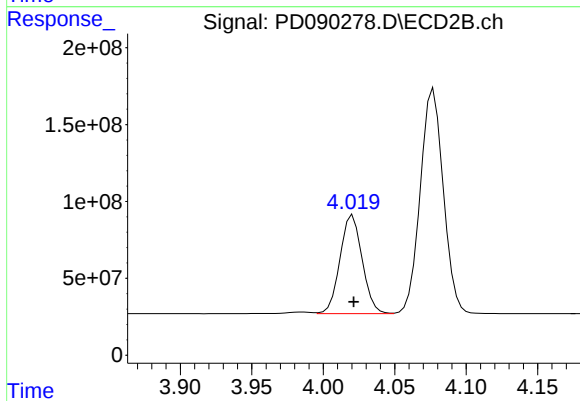
#5 Aldrin

R.T.: 4.363 min
Delta R.T.: 0.000 min
Response: 1624410232
Conc: 53.34 ng/ml



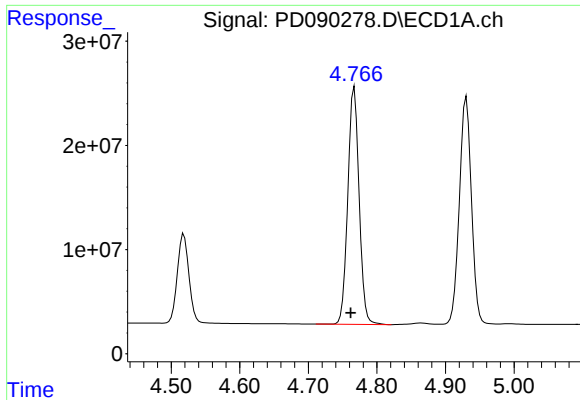
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.003 min
Response: 99874899
Conc: 44.53 ng/ml m



#6 beta-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 694270286
Conc: 52.08 ng/ml



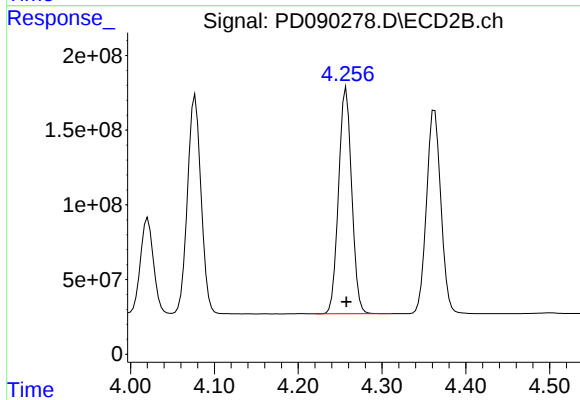
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.005 min
Response: 261599742
Conc: 50.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

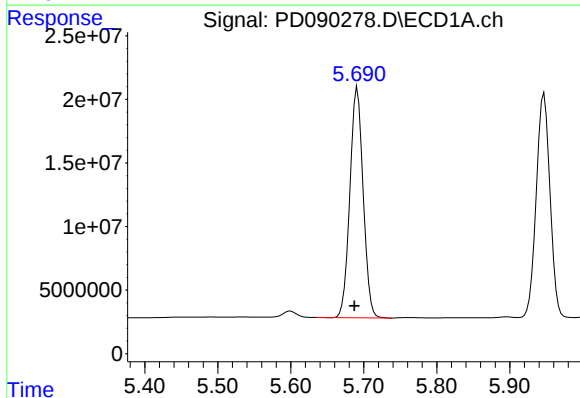
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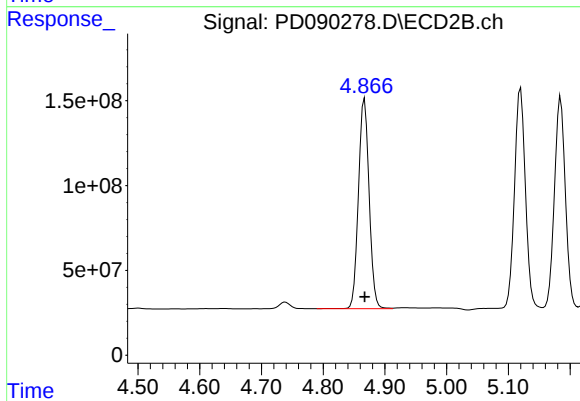
#7 delta-BHC

R.T.: 4.257 min
Delta R.T.: 0.000 min
Response: 1643700507
Conc: 52.10 ng/ml



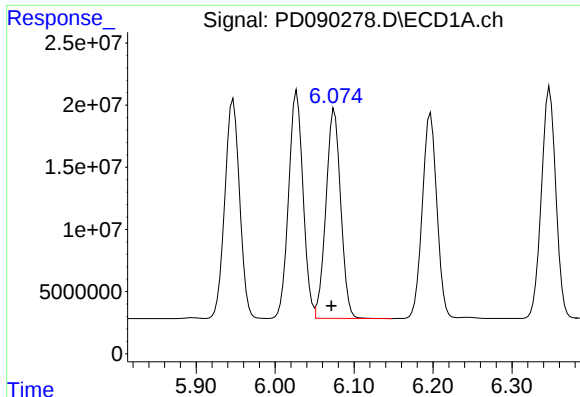
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.004 min
Response: 228908887
Conc: 46.65 ng/ml



#8 Heptachlor epoxide

R.T.: 4.867 min
Delta R.T.: 0.000 min
Response: 1485445589
Conc: 53.64 ng/ml



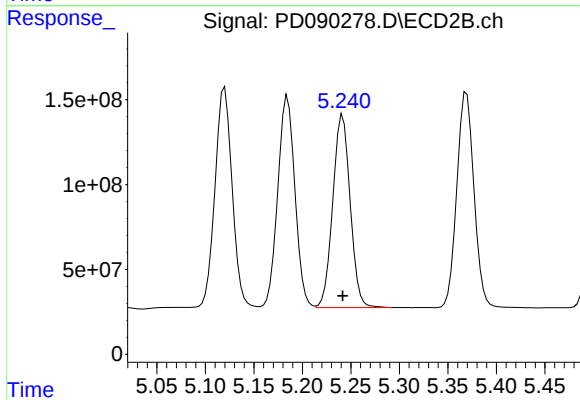
#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.004 min
Response: 219824385
Conc: 47.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

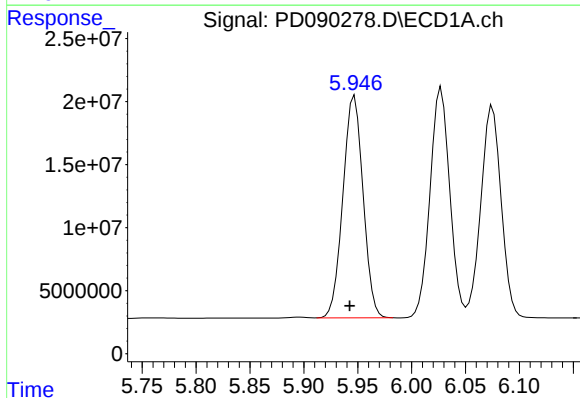
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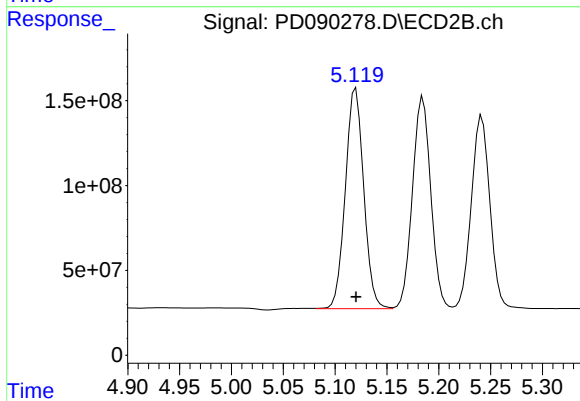
#9 Endosulfan I

R.T.: 5.242 min
Delta R.T.: 0.000 min
Response: 1417550826
Conc: 54.06 ng/ml



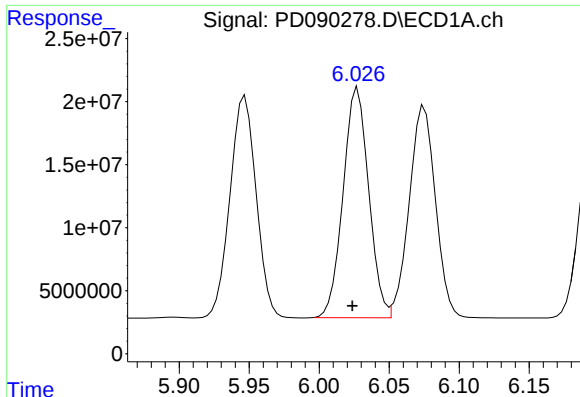
#10 gamma-Chlordane

R.T.: 5.947 min
Delta R.T.: 0.004 min
Response: 229466682
Conc: 46.92 ng/ml



#10 gamma-Chlordane

R.T.: 5.120 min
Delta R.T.: 0.000 min
Response: 1601797367
Conc: 54.09 ng/ml



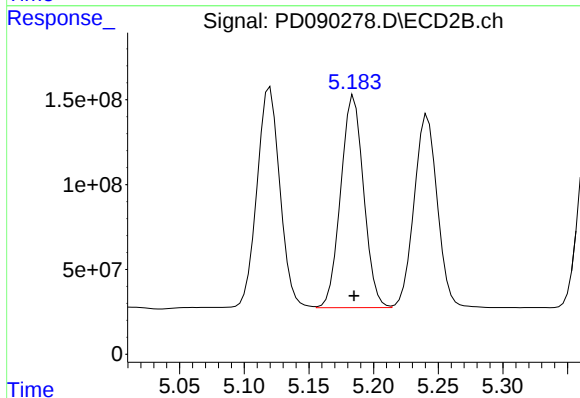
#11 alpha-Chlordane

R.T.: 6.027 min
Delta R.T.: 0.004 min
Response: 232164064
Conc: 47.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

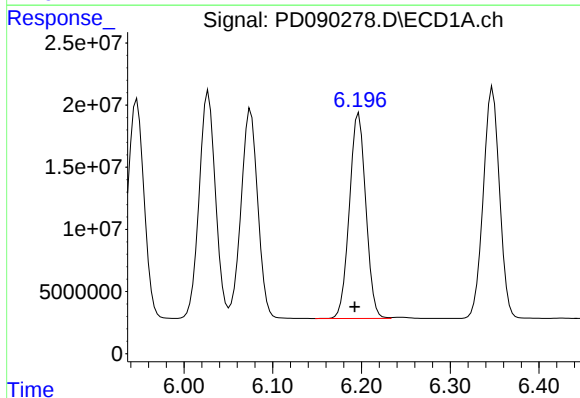
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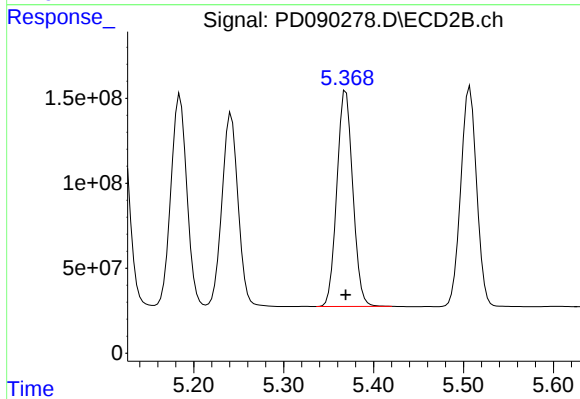
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: 0.000 min
Response: 1539581005
Conc: 53.95 ng/ml



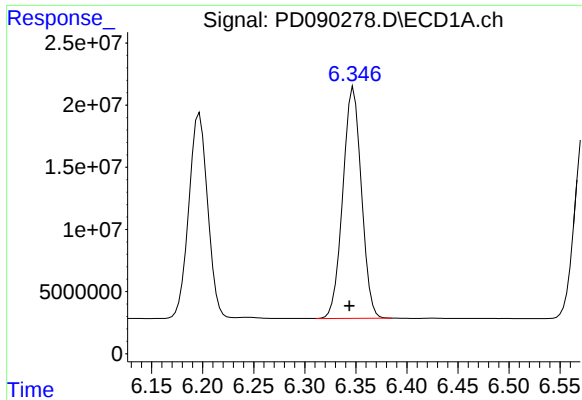
#12 4,4'-DDE

R.T.: 6.197 min
Delta R.T.: 0.005 min
Response: 212266720
Conc: 48.37 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: 0.000 min
Response: 1562518975
Conc: 54.21 ng/ml



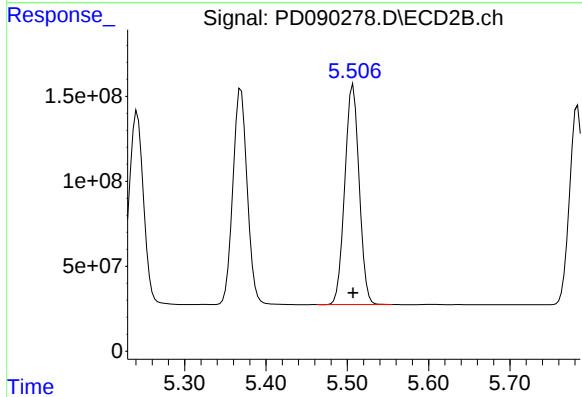
#13 Dieldrin

R.T.: 6.346 min
Delta R.T.: 0.003 min
Response: 235645526
Conc: 48.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

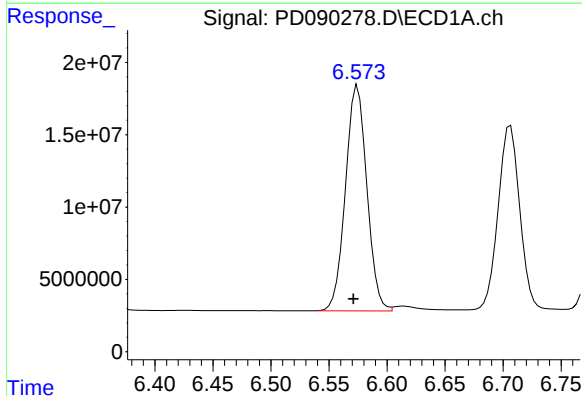
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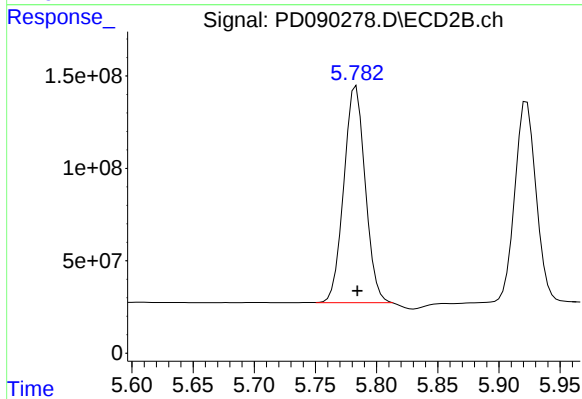
#13 Dieldrin

R.T.: 5.507 min
Delta R.T.: 0.000 min
Response: 1585290623
Conc: 54.13 ng/ml



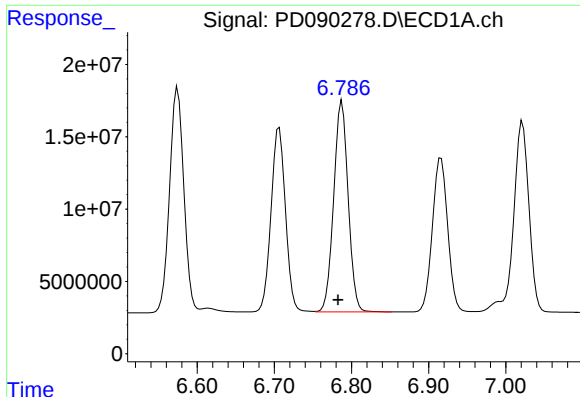
#14 Endrin

R.T.: 6.573 min
Delta R.T.: 0.002 min
Response: 200447352
Conc: 48.38 ng/ml m



#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.002 min
Response: 1424260090
Conc: 53.48 ng/ml m



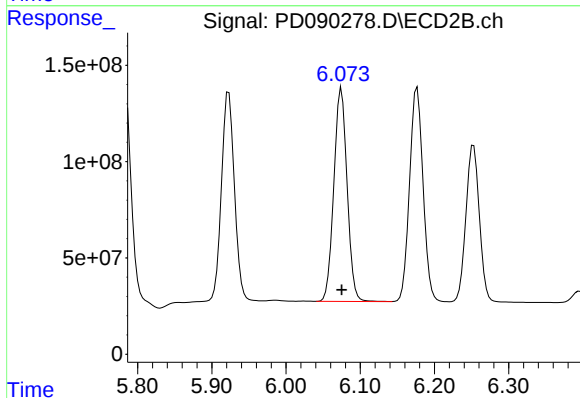
#15 Endosulfan II

R.T.: 6.788 min
Delta R.T.: 0.005 min
Response: 190136576
Conc: 45.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

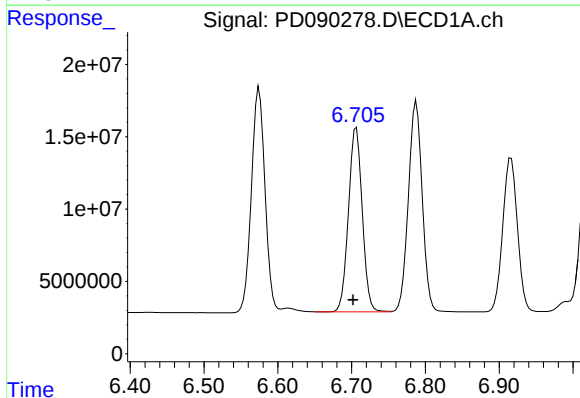
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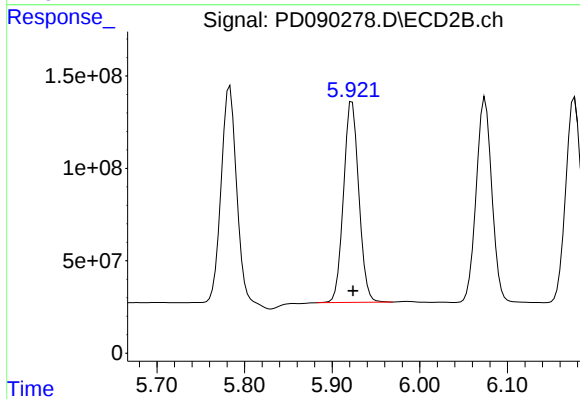
#15 Endosulfan II

R.T.: 6.075 min
Delta R.T.: 0.000 min
Response: 1379750162
Conc: 54.55 ng/ml



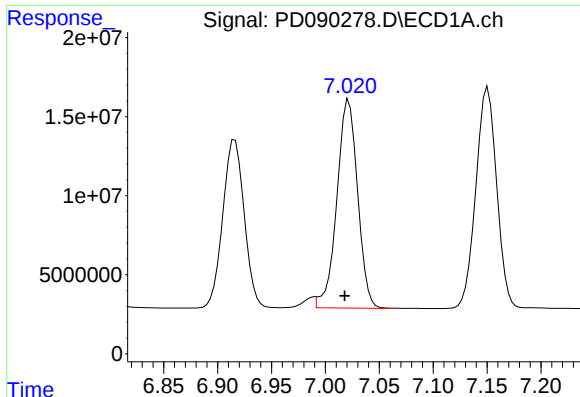
#16 4,4'-DDD

R.T.: 6.706 min
Delta R.T.: 0.005 min
Response: 165102970
Conc: 47.73 ng/ml



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.001 min
Response: 1319019355
Conc: 54.86 ng/ml



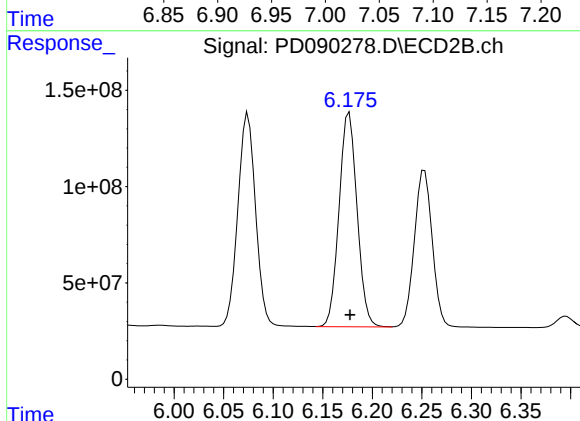
#17 4,4'-DDT

R.T.: 7.020 min
Delta R.T.: 0.002 min
Response: 176622003
Conc: 46.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

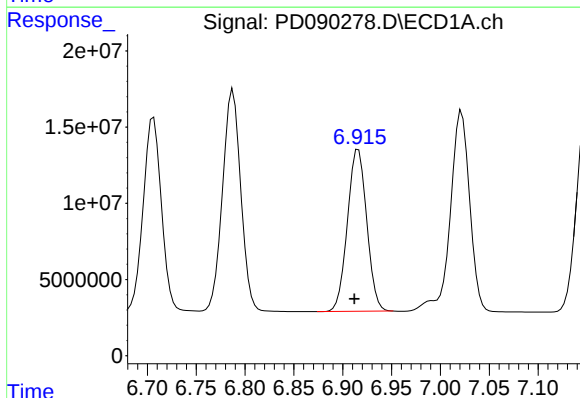
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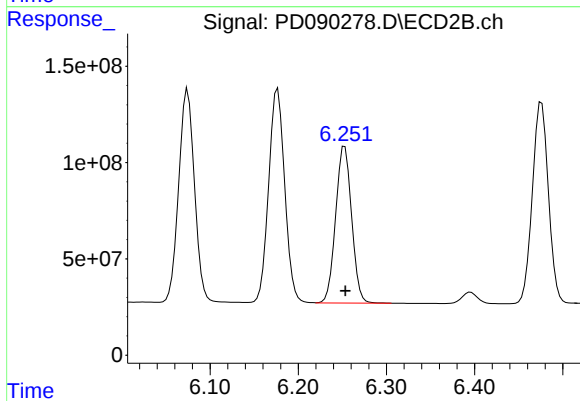
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 1407493580
Conc: 56.14 ng/ml



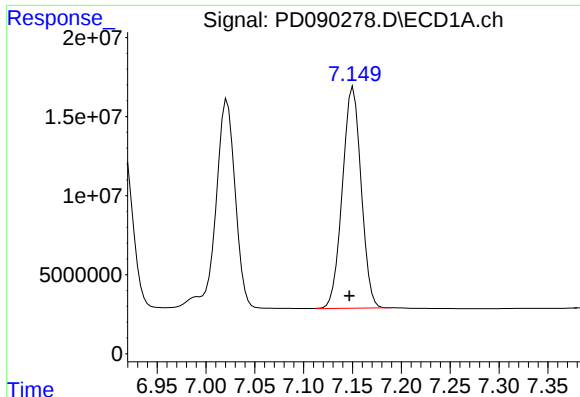
#18 Endrin aldehyde

R.T.: 6.916 min
Delta R.T.: 0.004 min
Response: 146302101
Conc: 51.03 ng/ml



#18 Endrin aldehyde

R.T.: 6.253 min
Delta R.T.: 0.000 min
Response: 1023186194
Conc: 59.42 ng/ml



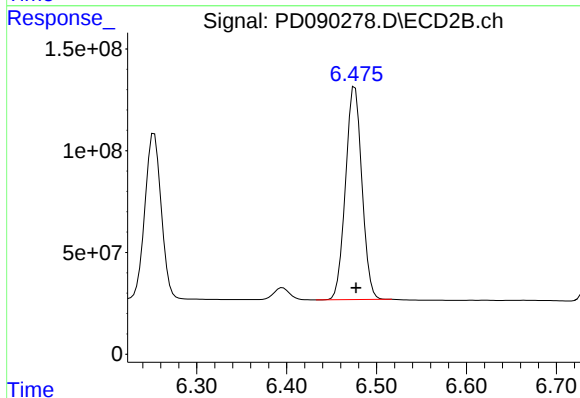
#19 Endosulfan Sulfate

R.T.: 7.149 min
Delta R.T.: 0.003 min
Response: 187287525
Conc: 47.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

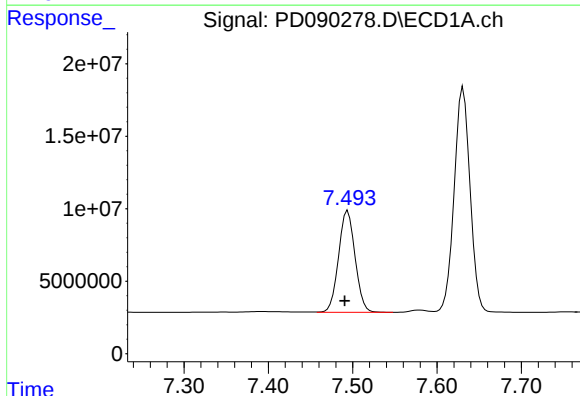
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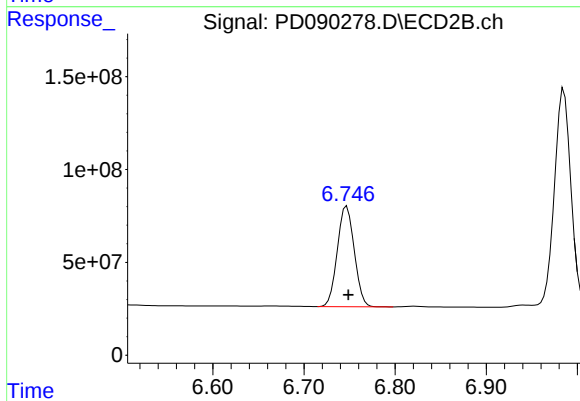
#19 Endosulfan Sulfate

R.T.: 6.476 min
Delta R.T.: -0.001 min
Response: 1322776097
Conc: 54.26 ng/ml



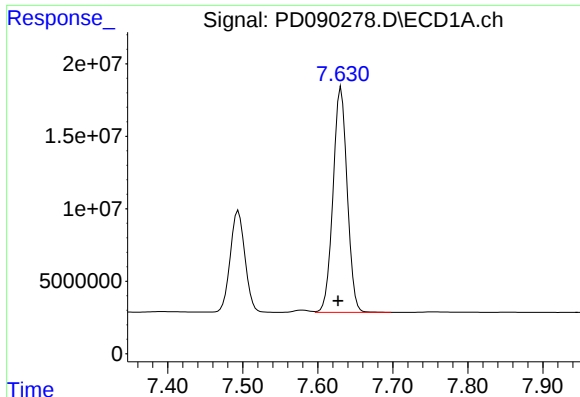
#20 Methoxychlor

R.T.: 7.494 min
Delta R.T.: 0.004 min
Response: 95556974
Conc: 47.64 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 700771256
Conc: 54.34 ng/ml



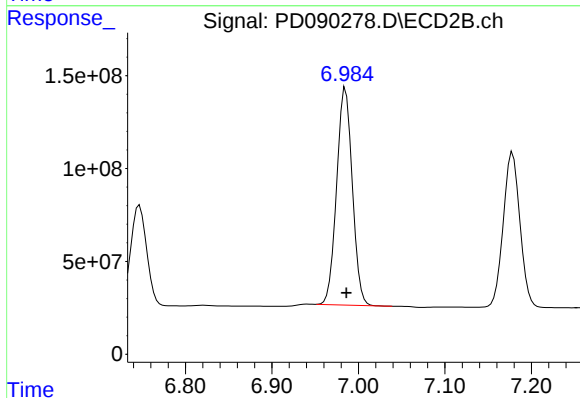
#21 Endrin ketone

R.T.: 7.631 min
Delta R.T.: 0.004 min
Response: 203503666
Conc: 49.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

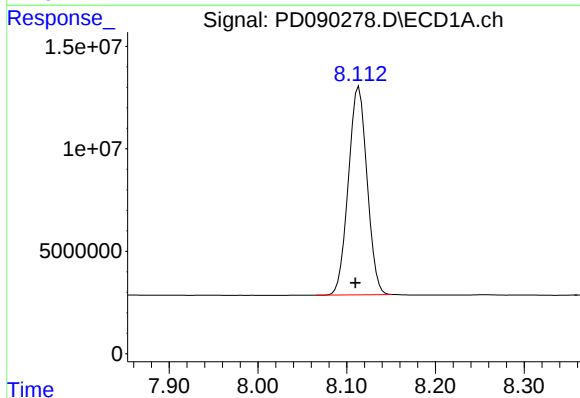
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/16/2025
Supervised By :mohammad ahmed 09/17/2025



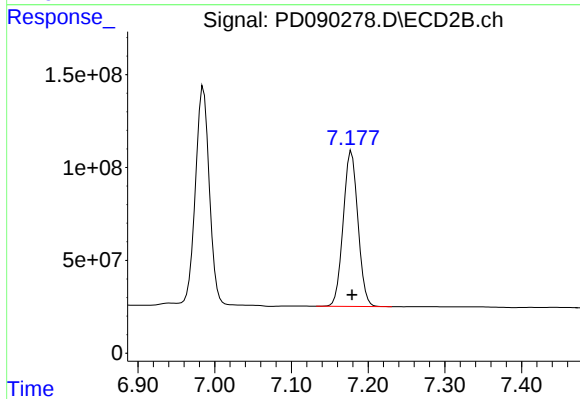
#21 Endrin ketone

R.T.: 6.985 min
Delta R.T.: -0.001 min
Response: 1464479456
Conc: 54.96 ng/ml



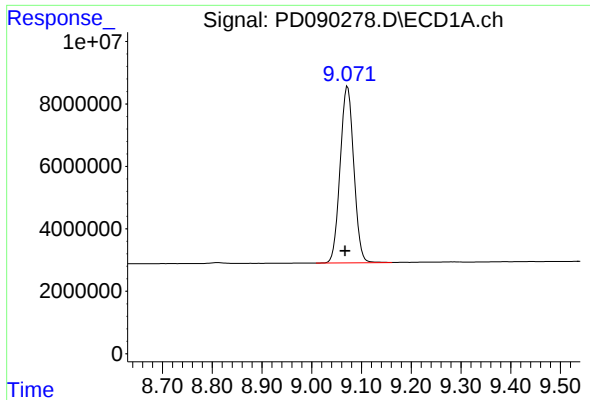
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.004 min
Response: 148800528
Conc: 47.17 ng/ml



#22 Mirex

R.T.: 7.178 min
Delta R.T.: 0.000 min
Response: 1119912990
Conc: 54.22 ng/ml



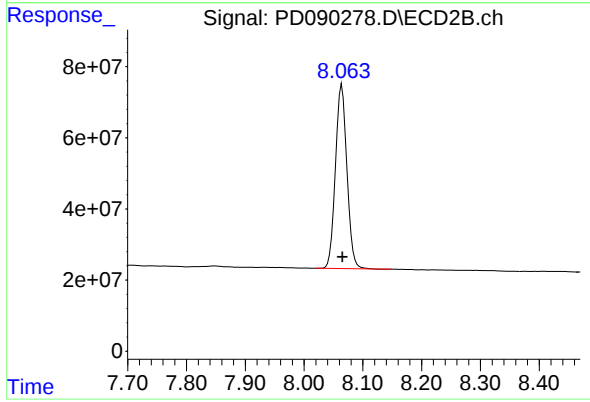
#28 Decachlorobiphenyl

R.T.: 9.072 min
Delta R.T.: 0.005 min
Response: 108044321
Conc: 25.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169551BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/16/2025
Supervised By :mohammad ahmed 09/17/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 701201726
Conc: 27.09 ng/ml