

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
 Data File : PD090849.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Oct 2025 17:39
 Operator : AR\AJ
 Sample : Q3451-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 TP-11MSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/28/2025
 Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 28 01:10:24 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.543	2.874	56620935	548.6E6	18.182m	18.422
28)	SA Decachlor...	9.062	8.058	73562913	451.2E6	15.725	14.895
Target Compounds							
2)	A alpha-BHC	3.993	3.385	343.2E6	2248.4E6	47.819	44.003
3)	MA gamma-BHC...	4.323	3.721	318.8E6	2072.7E6	46.885	43.868
4)	MA Heptachlor	4.921	4.073	316.2E6	2039.7E6	56.567	45.731
5)	MB Aldrin	5.263	4.359	312.8E6	2041.7E6	47.768	44.080
6)	B beta-BHC	4.511	4.018	123.5E6	868.9E6	47.140	43.820
7)	B delta-BHC	4.759	4.253	326.9E6	2108.6E6	48.345	44.189
8)	B Heptachlo...	5.683	4.862	279.3E6	1875.8E6	48.241	43.993
9)	A Endosulfan I	6.066	5.236	263.2E6	1749.7E6	47.544	44.419
10)	B gamma-Chl...	5.938	5.115	277.0E6	1979.9E6	46.707	44.047
11)	B alpha-Chl...	6.019	5.179	288.4E6	1906.7E6	46.662	44.200
12)	B 4,4'-DDE	6.188	5.364	251.6E6	1940.0E6	47.237	44.254
13)	MA Dieldrin	6.339	5.502	277.9E6	1954.9E6	47.663	44.244
14)	MA Endrin	6.566	5.778	231.2E6	1850.6E6	46.675	45.701
15)	B Endosulfa...	6.779	6.070	217.6E6	1672.5E6	43.513	44.535
16)	A 4,4'-DDD	6.698	5.918	198.0E6	1587.8E6	48.836	43.576
17)	MA 4,4'-DDT	7.013	6.172	191.4E6	1562.2E6	46.556	44.540
18)	B Endrin al...	6.908	6.248	167.5E6	1199.0E6	45.720	43.296
19)	B Endosulfa...	7.142	6.471	207.8E6	1548.3E6	44.804	43.193
20)	A Methoxychlor	7.487	6.742	96868481	756.9E6	45.573	43.432
21)	B Endrin ke...	7.623	6.980	220.4E6	1629.8E6	45.355	43.212
22)	Mirex	8.105	7.173	132.6E6	1021.3E6	41.412	39.754

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102725\
Data File : PD090849.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 27 Oct 2025 17:39
Operator : AR\AJ
Sample : Q3451-01MSD
Misc :
ALS Vial : 18 Sample Multiplier: 1

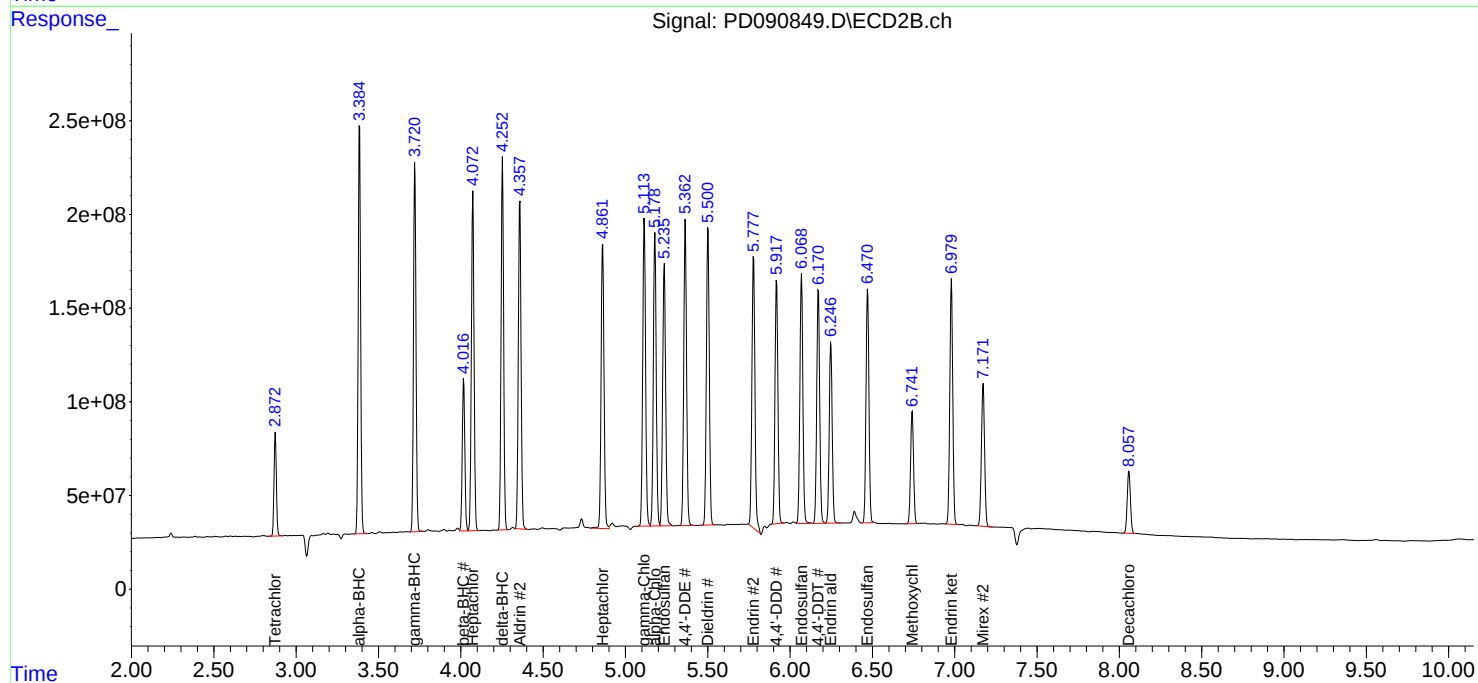
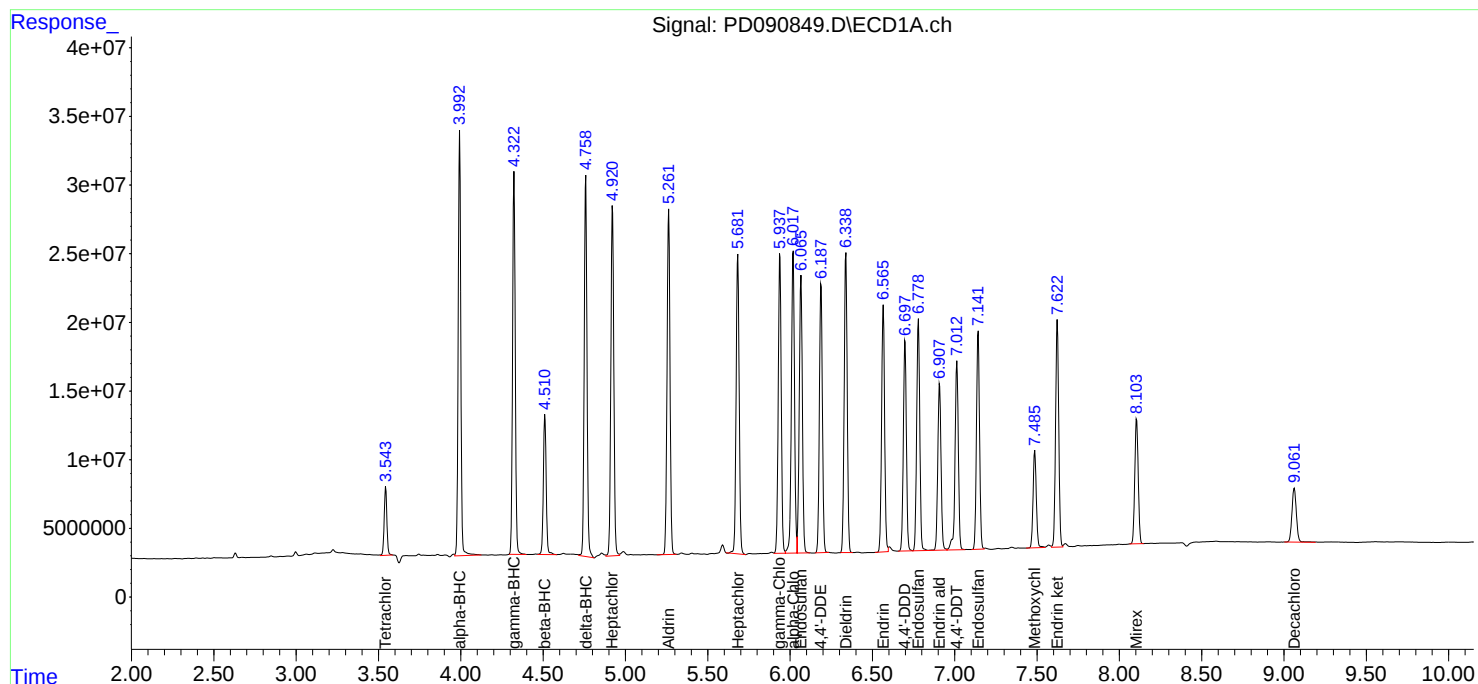
Instrument :
ECD_D
ClientSampleId :
TP-11MSD

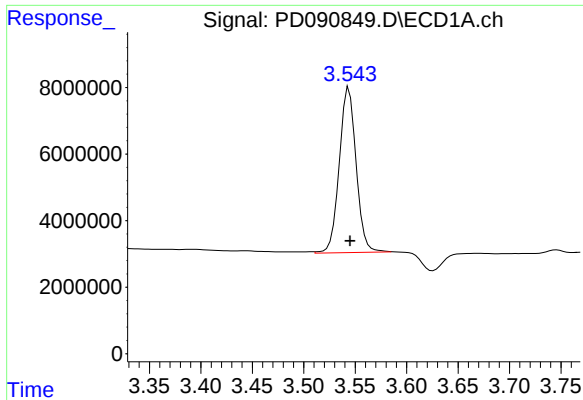
Manual Integrations
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Supervised By :mohammad ahmed 10/29/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 28 01:10:24 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





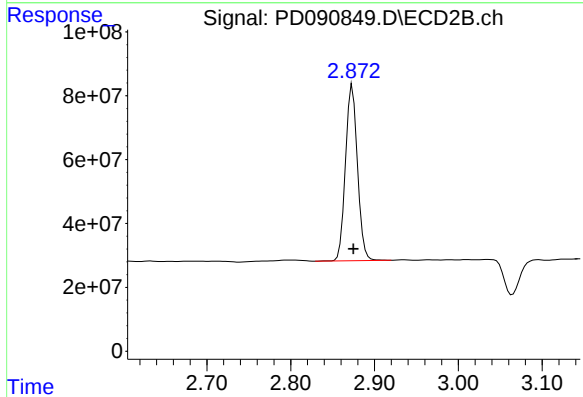
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: -0.002 min
Response: 56620935
Conc: 18.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

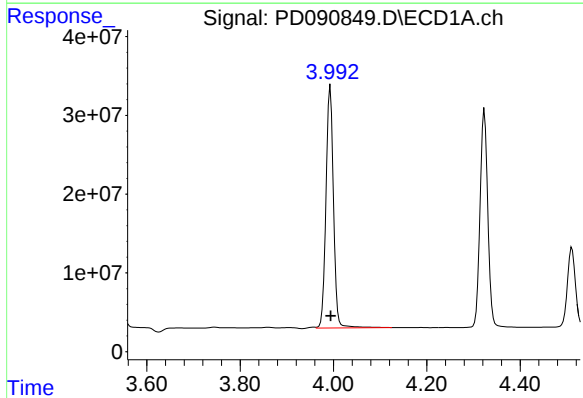
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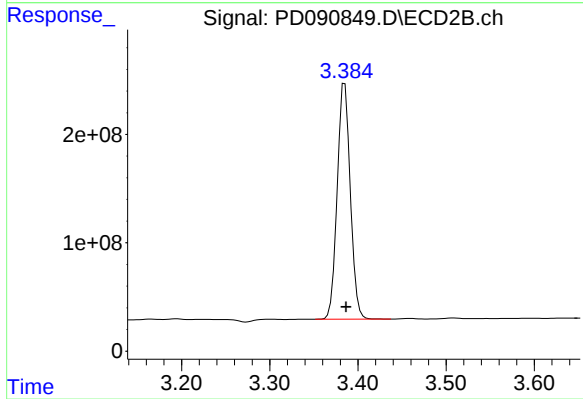
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.001 min
Response: 548554753
Conc: 18.42 ng/ml



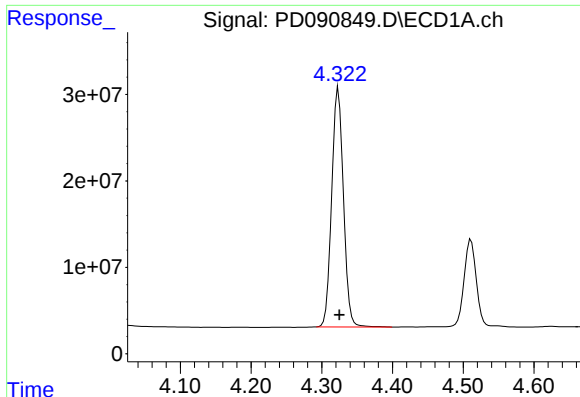
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 343200686
Conc: 47.82 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2248383548
Conc: 44.00 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.323 min
Delta R.T.: -0.002 min
Response: 318761575
Conc: 46.88 ng/ml

Instrument :

ECD_D

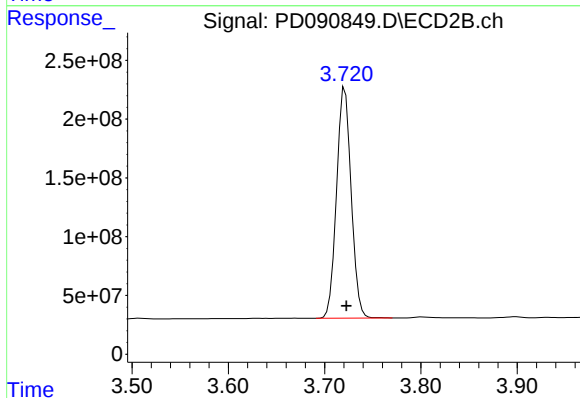
ClientSampleId :

TP-11MSD

Manual Integrations

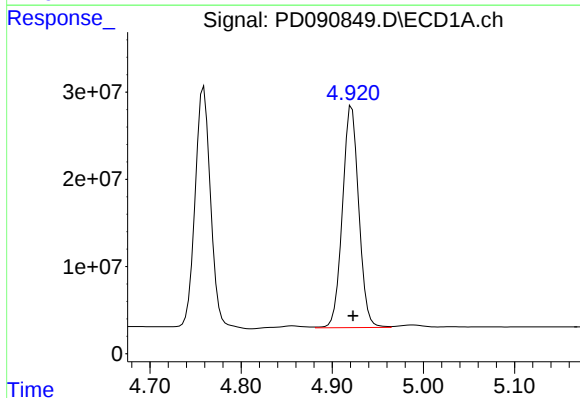
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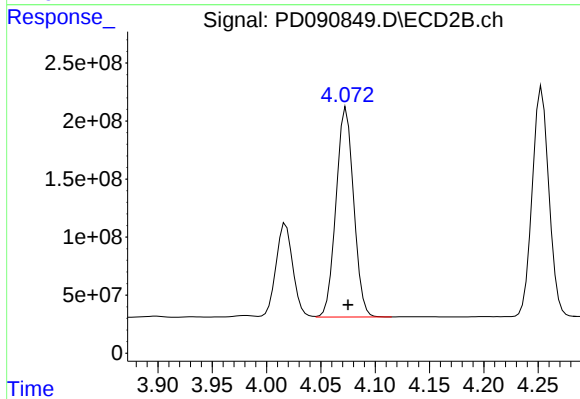
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2072701964
Conc: 43.87 ng/ml



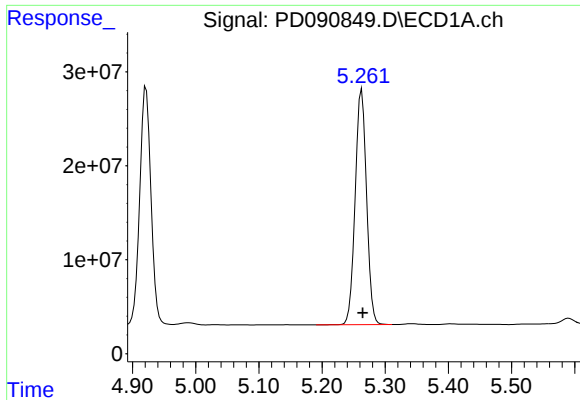
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: -0.001 min
Response: 316185875
Conc: 56.57 ng/ml



#4 Heptachlor

R.T.: 4.073 min
Delta R.T.: -0.002 min
Response: 2039726797
Conc: 45.73 ng/ml



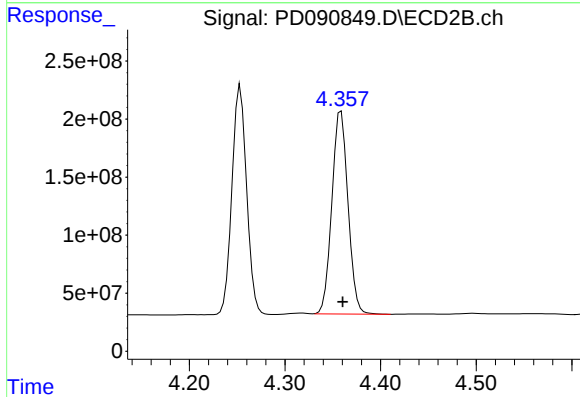
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.001 min
Response: 312752929
Conc: 47.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

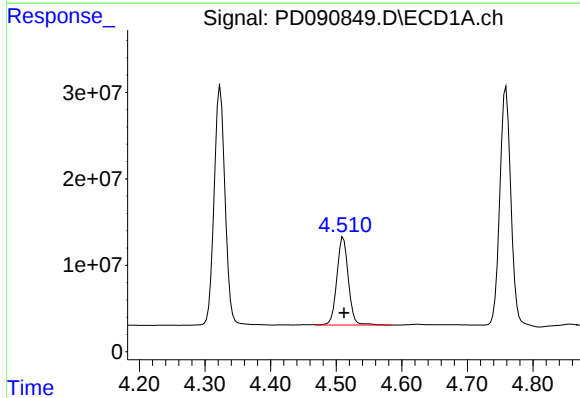
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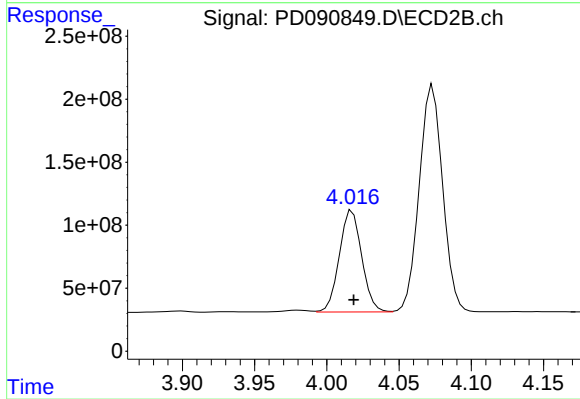
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2041734349
Conc: 44.08 ng/ml



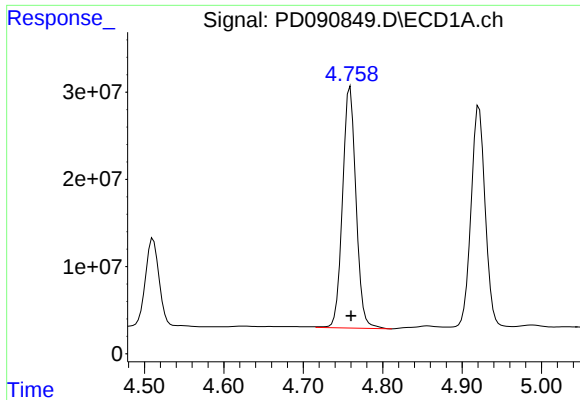
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.001 min
Response: 123489260
Conc: 47.14 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 868928194
Conc: 43.82 ng/ml



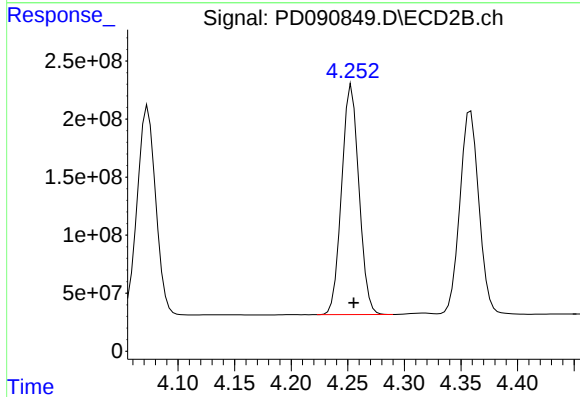
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.001 min
Response: 326896614
Conc: 48.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

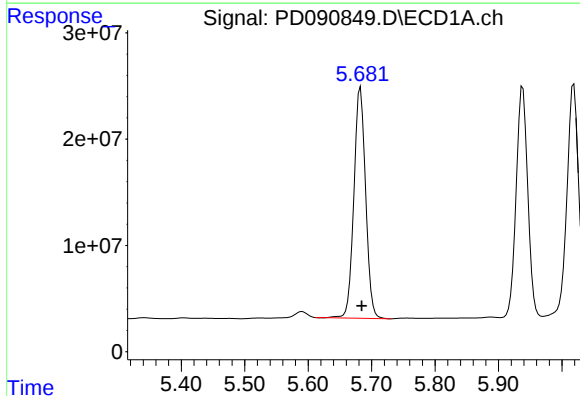
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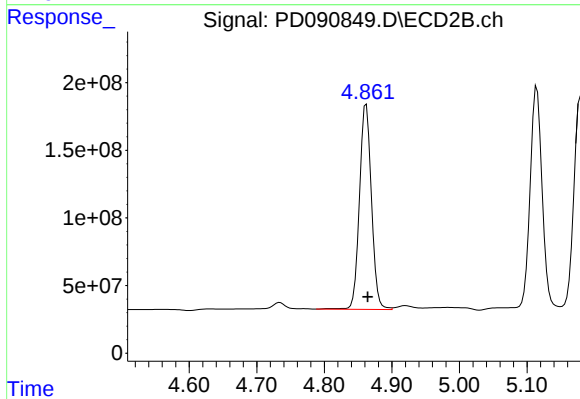
#7 delta-BHC

R.T.: 4.253 min
Delta R.T.: -0.002 min
Response: 2108554409
Conc: 44.19 ng/ml



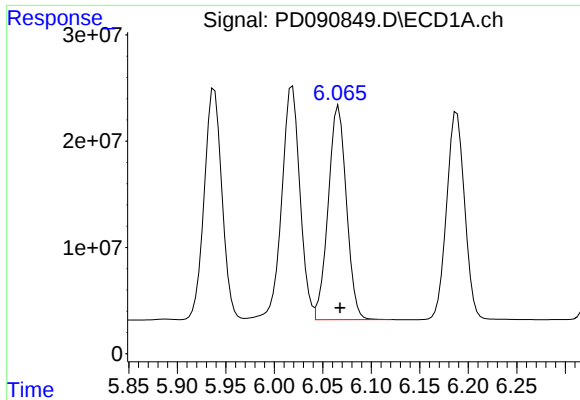
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.002 min
Response: 279269105
Conc: 48.24 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 1875797803
Conc: 43.99 ng/ml



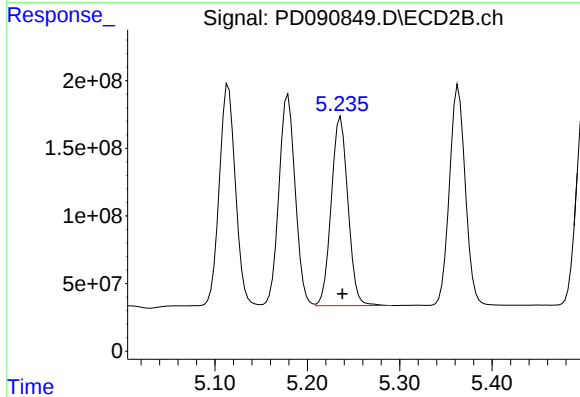
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.002 min
Response: 263233574
Conc: 47.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

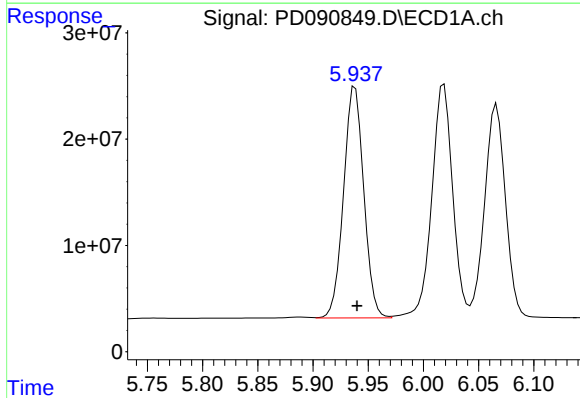
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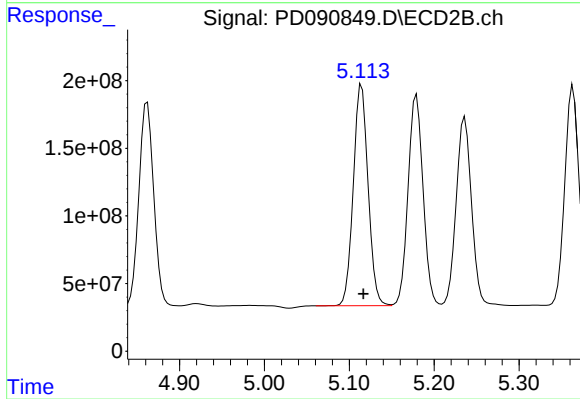
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.002 min
Response: 1749664944
Conc: 44.42 ng/ml



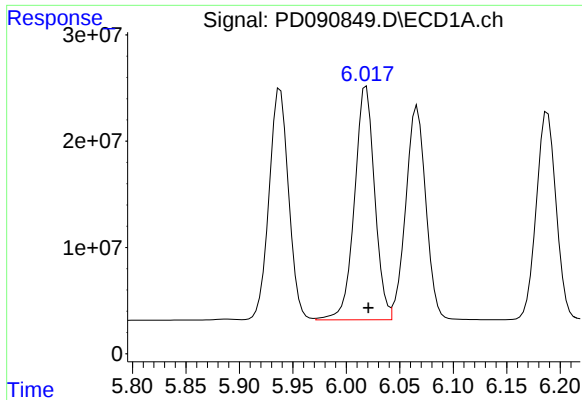
#10 gamma-Chlordane

R.T.: 5.938 min
Delta R.T.: -0.002 min
Response: 277030392
Conc: 46.71 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 1979859398
Conc: 44.05 ng/ml



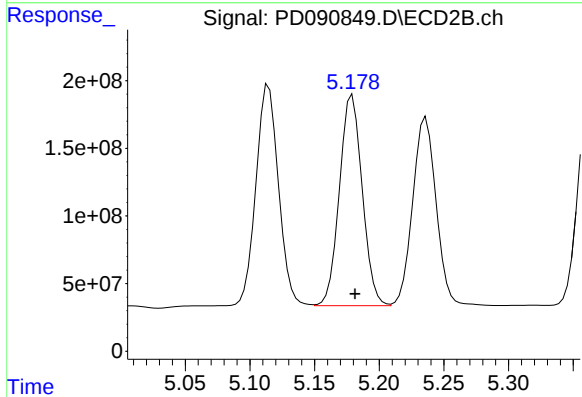
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.002 min
Response: 288382152
Conc: 46.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

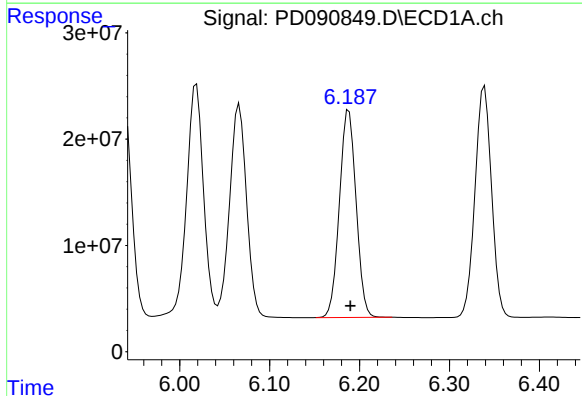
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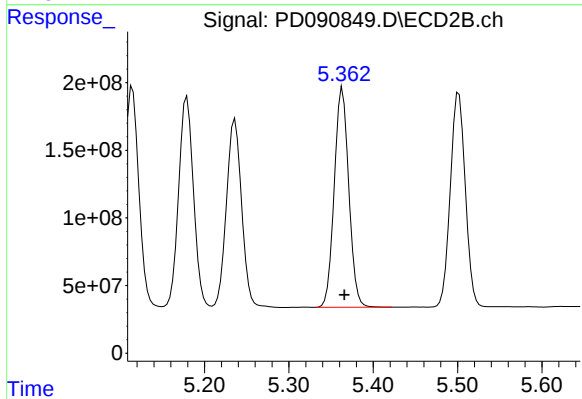
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 1906689161
Conc: 44.20 ng/ml



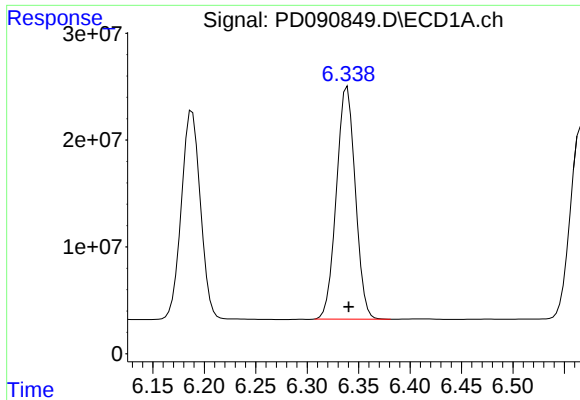
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: -0.002 min
Response: 251612025
Conc: 47.24 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 1940003220
Conc: 44.25 ng/ml



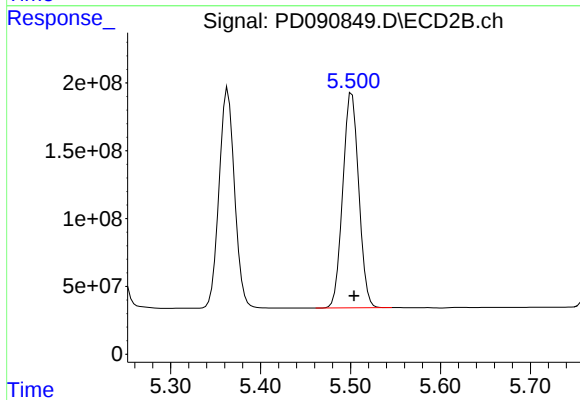
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: -0.001 min
Response: 277938136
Conc: 47.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

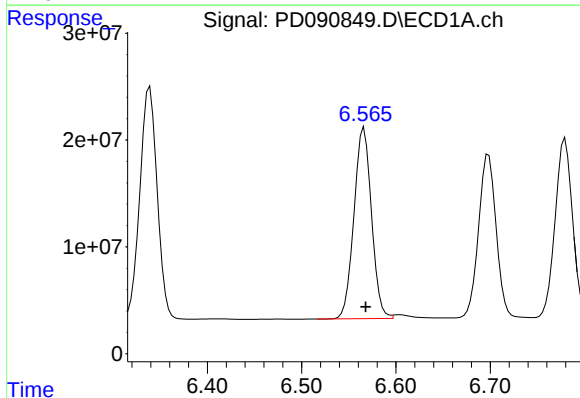
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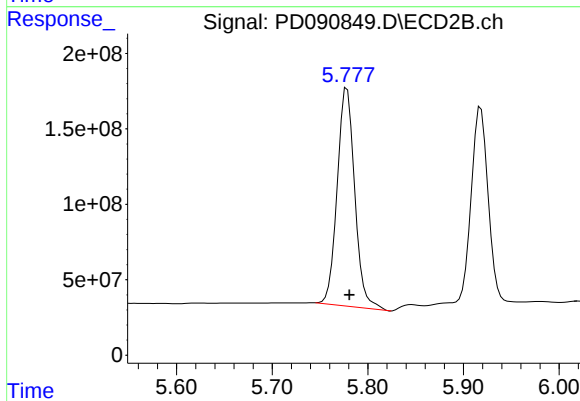
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 1954861996
Conc: 44.24 ng/ml



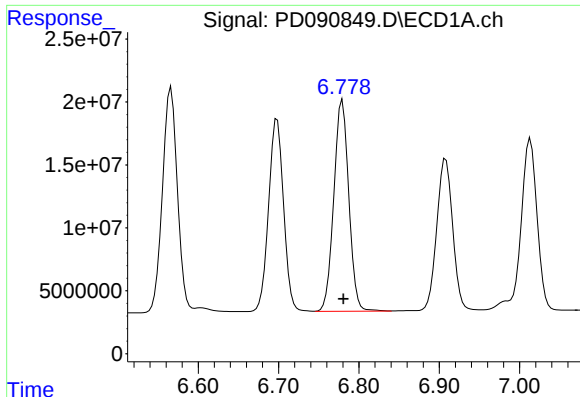
#14 Endrin

R.T.: 6.566 min
Delta R.T.: -0.002 min
Response: 231216617
Conc: 46.68 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.002 min
Response: 1850601139
Conc: 45.70 ng/ml



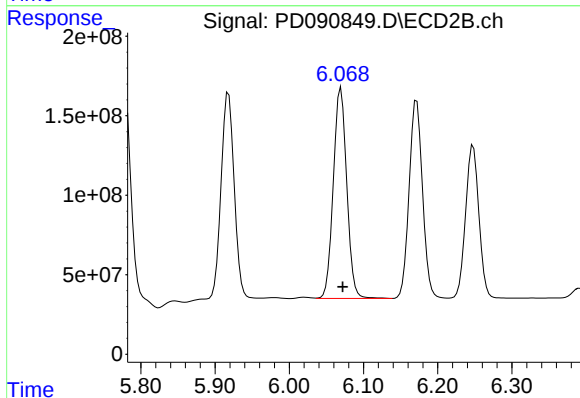
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.001 min
Response: 217561671
Conc: 43.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
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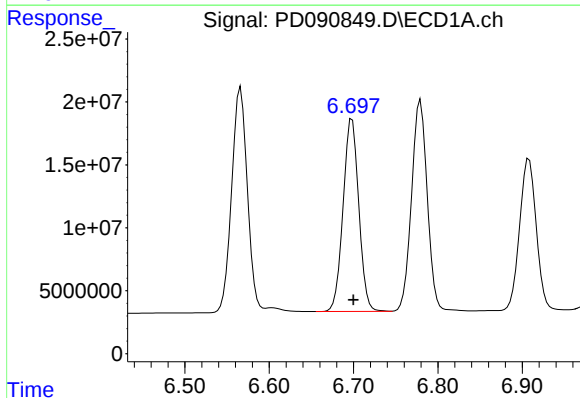
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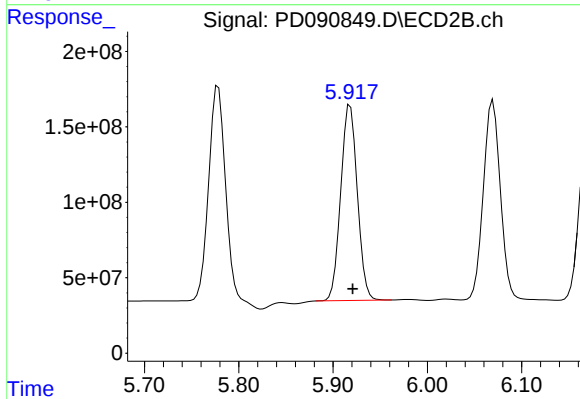
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 1672534269
Conc: 44.54 ng/ml



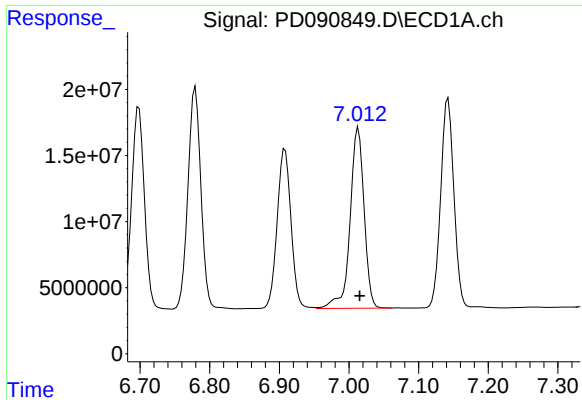
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.002 min
Response: 197989733
Conc: 48.84 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.003 min
Response: 1587833196
Conc: 43.58 ng/ml



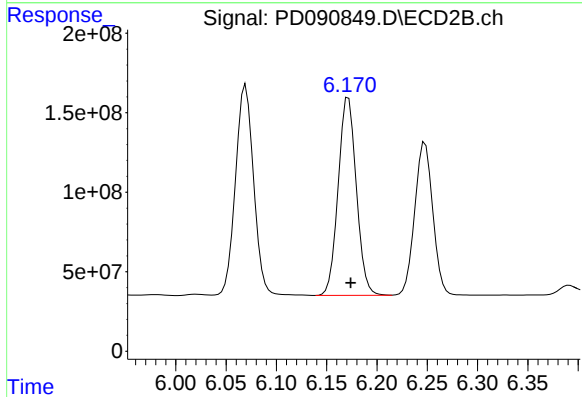
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 191368802
Conc: 46.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

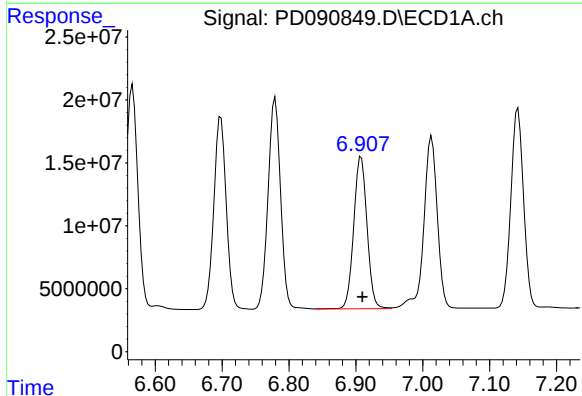
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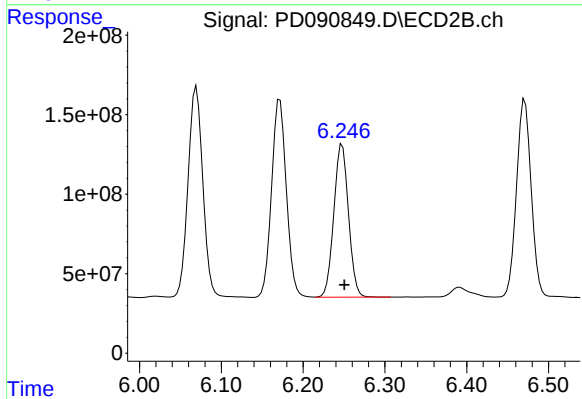
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1562164588
Conc: 44.54 ng/ml



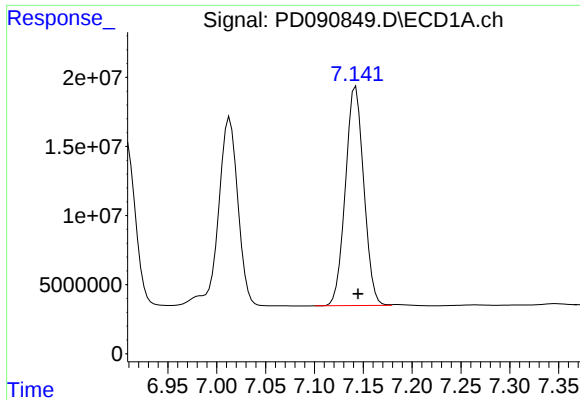
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.002 min
Response: 167457277
Conc: 45.72 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1198989453
Conc: 43.30 ng/ml



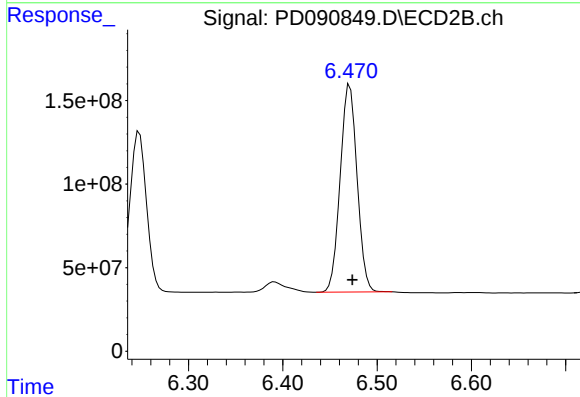
#19 Endosulfan Sulfate

R.T.: 7.142 min
Delta R.T.: -0.002 min
Response: 207810552
Conc: 44.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

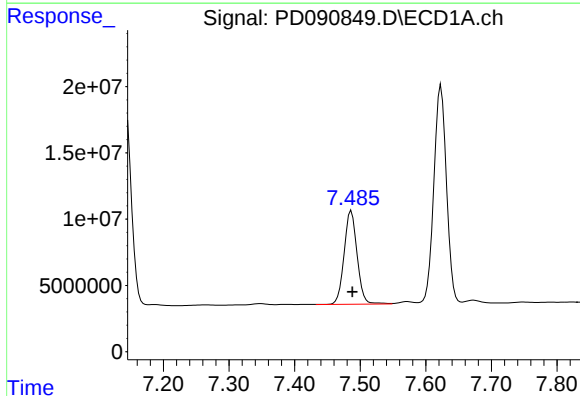
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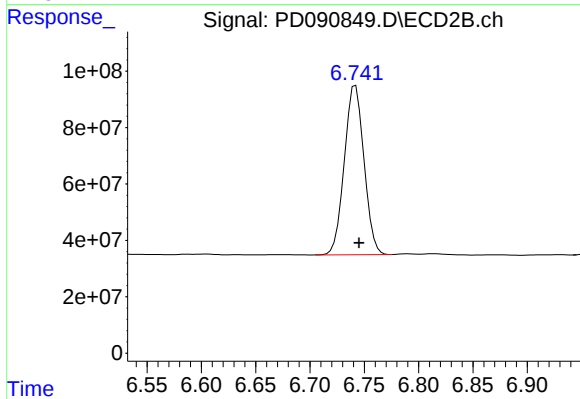
#19 Endosulfan Sulfate

R.T.: 6.471 min
Delta R.T.: -0.003 min
Response: 1548271937
Conc: 43.19 ng/ml



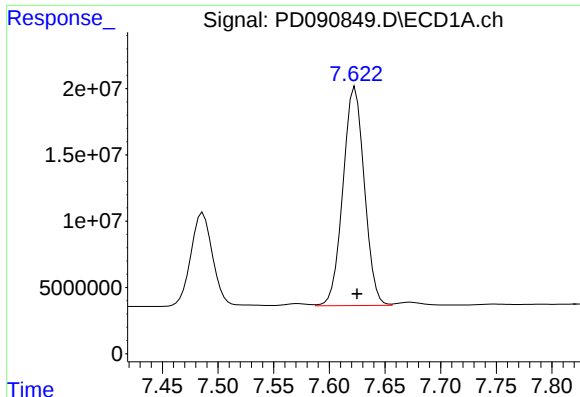
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 96868481
Conc: 45.57 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: -0.003 min
Response: 756930612
Conc: 43.43 ng/ml



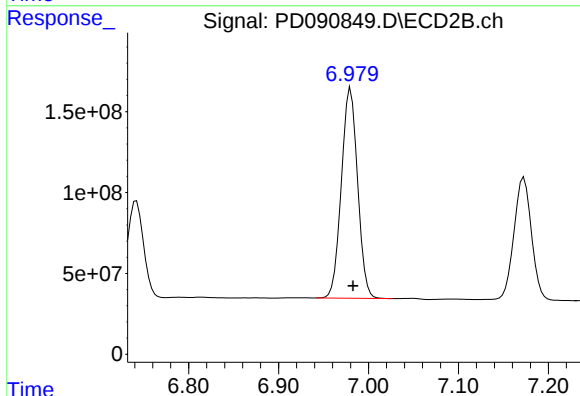
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.002 min
Response: 220371967
Conc: 45.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

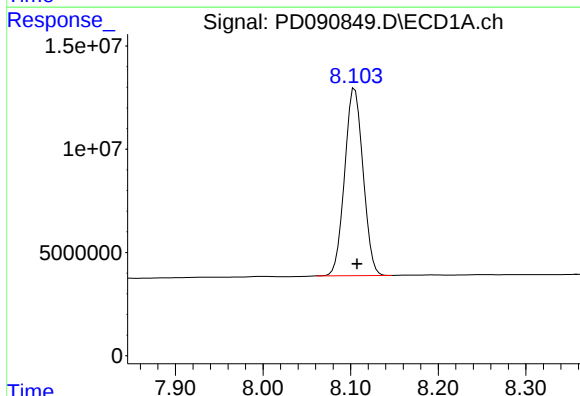
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



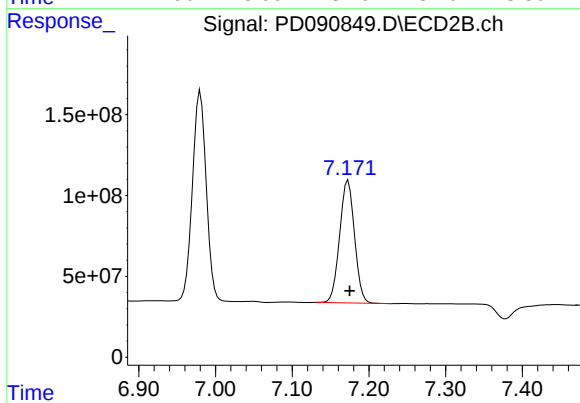
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.002 min
Response: 1629846954
Conc: 43.21 ng/ml



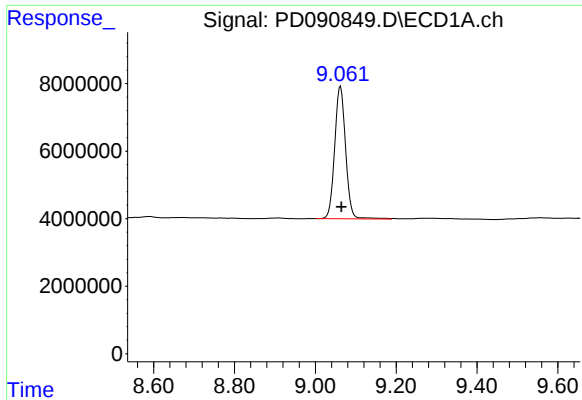
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.003 min
Response: 132553732
Conc: 41.41 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1021315683
Conc: 39.75 ng/ml



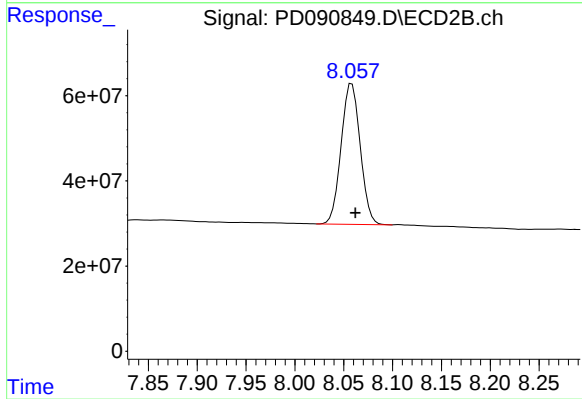
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 73562913
Conc: 15.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
TP-11MSD

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/28/2025
Supervised By :mohammad ahmed 10/29/2025



#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: -0.003 min
Response: 451192345
Conc: 14.90 ng/ml