

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090590.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 18:04
 Operator : AR\AJ
 Sample : Q3321-02MSD
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-DS-01MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/15/2025
 Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:41:07 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	62369052	561.6E6	19.188	20.457
2)	SA Decachlor...	9.064	8.062	98343443	627.0E6	20.382	19.344
Target Compounds							
2)	A alpha-BHC	3.994	3.386	338.6E6	2156.5E6	48.484	49.255
3)	MA gamma-BHC...	4.325	3.723	326.3E6	1990.9E6	49.319	48.874
4)	MA Heptachlor	4.923	4.075	262.8E6	1790.2E6	39.748	43.967
5)	MB Aldrin	5.264	4.360	301.2E6	1953.1E6	47.437	48.908
6)	B beta-BHC	4.512	4.018	118.8E6	850.4E6	46.044	49.056
7)	B delta-BHC	4.759	4.255	329.4E6	2029.6E6	51.005m	49.149
8)	B Heptachlo...	5.684	4.864	267.7E6	1806.7E6	46.835	49.008
9)	A Endosulfan I	6.068	5.238	242.0E6	1687.7E6	44.810	48.769
10)	B gamma-Chl...	5.940	5.117	265.3E6	1919.6E6	46.444	48.863
11)	B alpha-Chl...	6.019	5.181	277.0E6	1835.5E6	48.087m	48.731
12)	B 4,4'-DDE	6.190	5.366	246.4E6	1868.5E6	47.323	48.812
13)	MA Dieldrin	6.341	5.504	271.6E6	1885.8E6	47.123	48.421
14)	MA Endrin	6.568	5.780	232.0E6	1741.6E6	47.404	48.606
15)	B Endosulfa...	6.780	6.072	231.2E6	1627.1E6	47.392	48.208
16)	A 4,4'-DDD	6.699	5.920	189.9E6	1562.1E6	46.345	48.171
17)	MA 4,4'-DDT	7.015	6.174	190.3E6	1443.3E6	42.740	41.983
18)	B Endrin al...	6.909	6.250	170.4E6	1211.2E6	49.671	51.436
19)	B Endosulfa...	7.144	6.474	209.7E6	1547.4E6	45.577	47.334
20)	A Methoxychlor	7.488	6.745	92650146	698.7E6	39.317	40.153
21)	B Endrin ke...	7.625	6.983	220.8E6	1636.1E6	44.631	45.317
22)	Mirex	8.108	7.175	140.4E6	1080.8E6	37.897	39.152

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090590.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 18:04
Operator : AR\AJ
Sample : Q3321-02MSD
Misc :
ALS Vial : 19 Sample Multiplier: 1

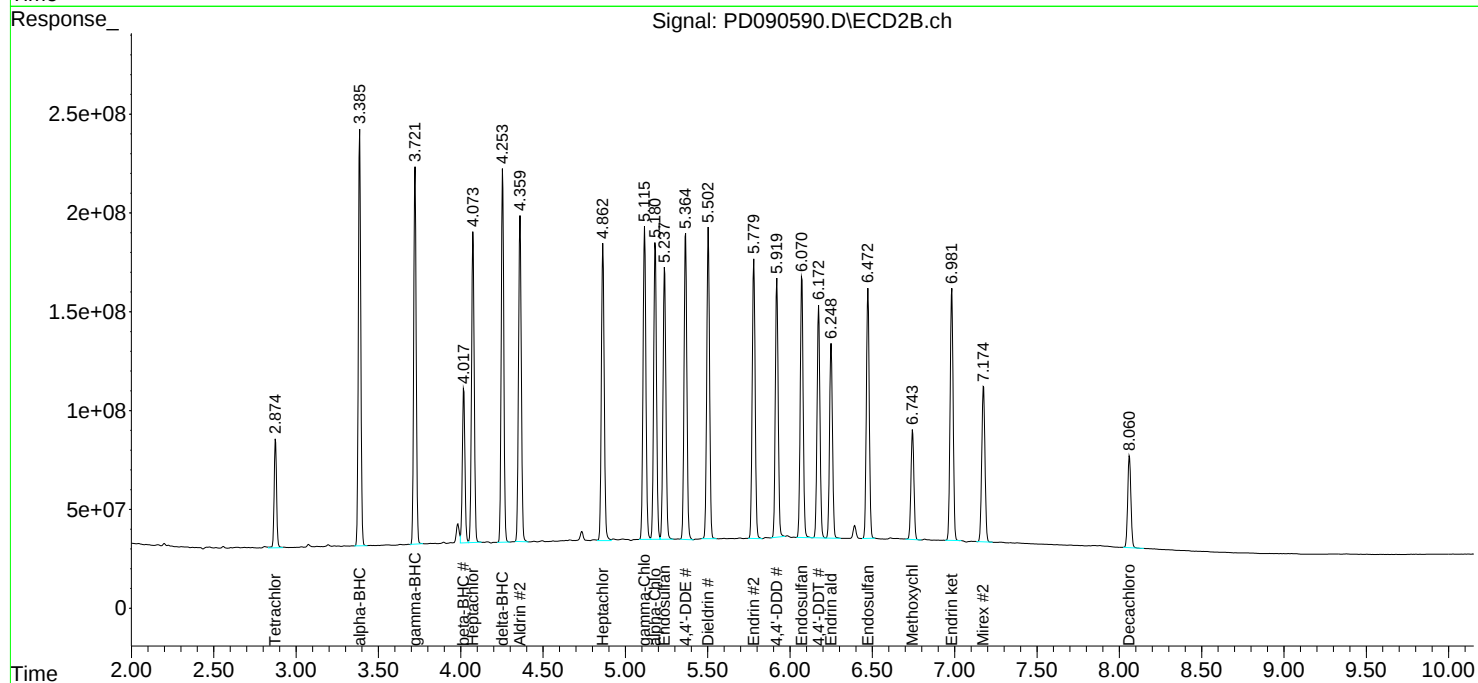
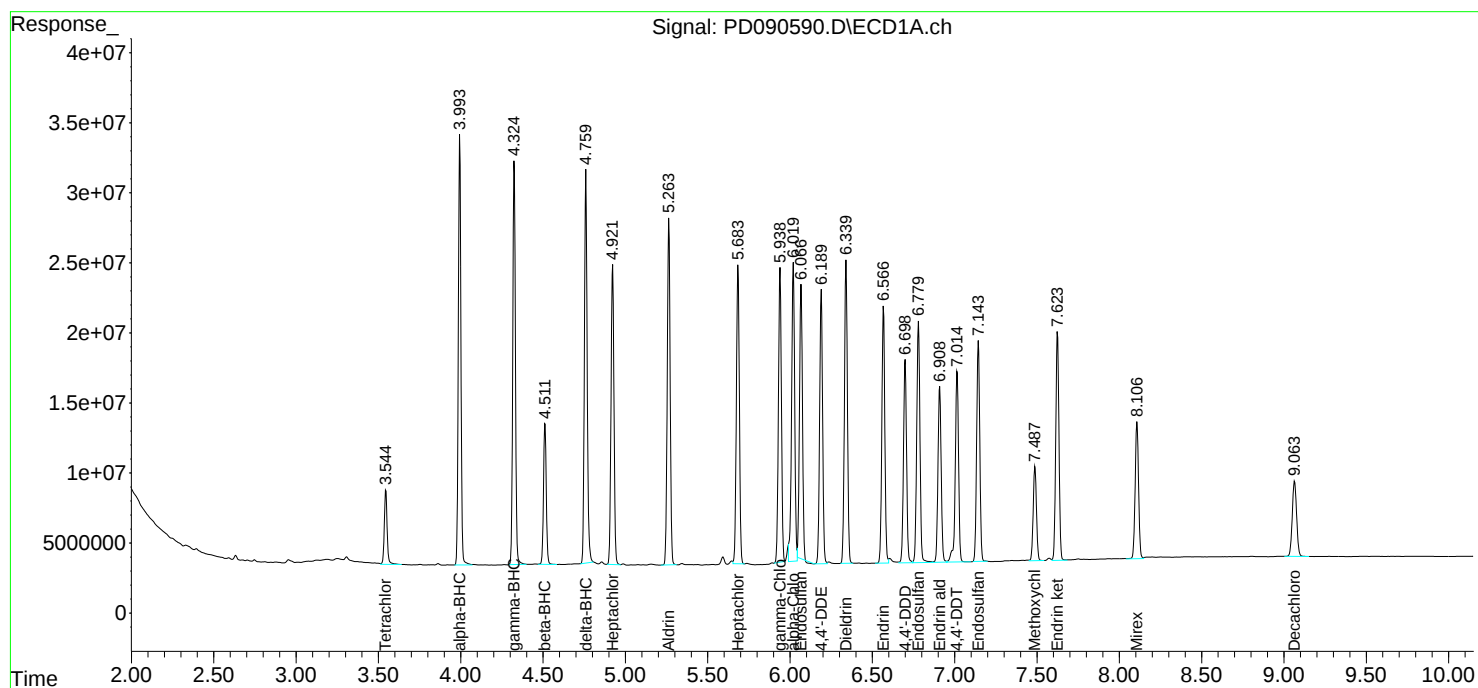
Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

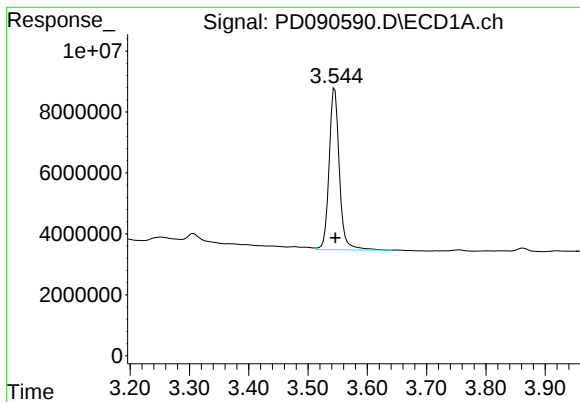
Manual Integrations
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Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:41:07 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





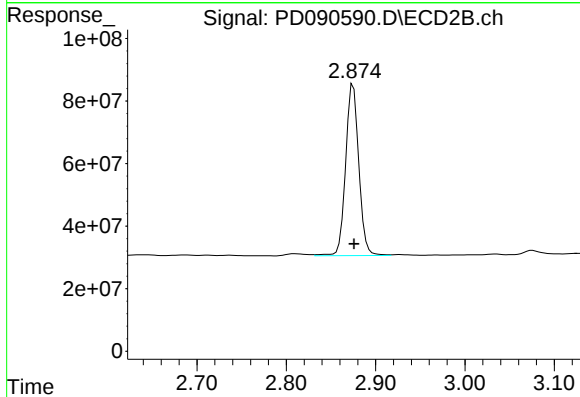
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 62369052
Conc: 19.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

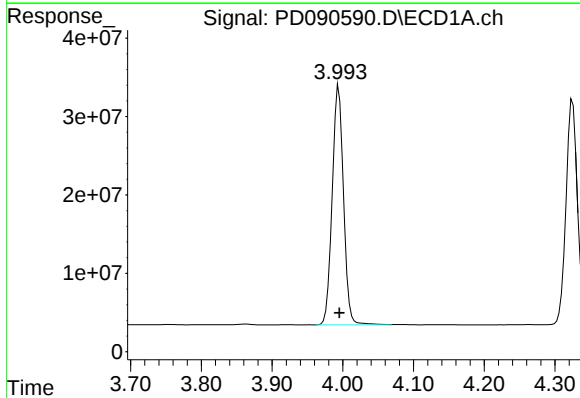
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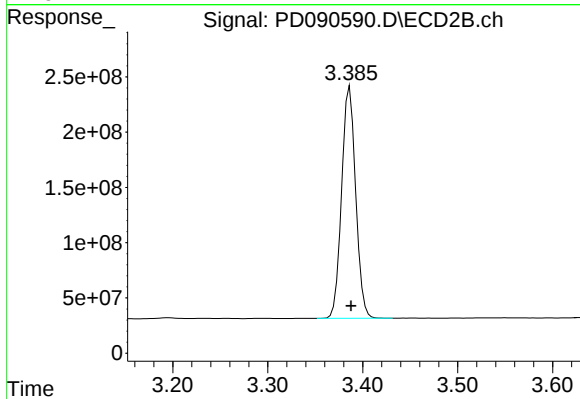
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 561557039
Conc: 20.46 ng/ml



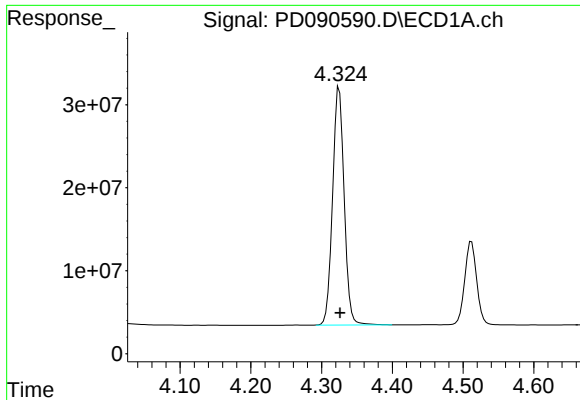
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 338637213
Conc: 48.48 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.001 min
Response: 2156527016
Conc: 49.25 ng/ml



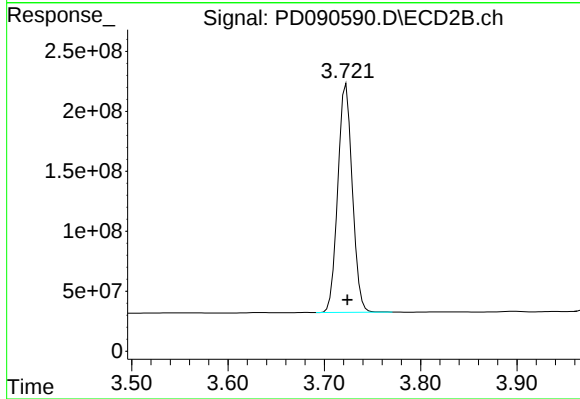
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 326339926
Conc: 49.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

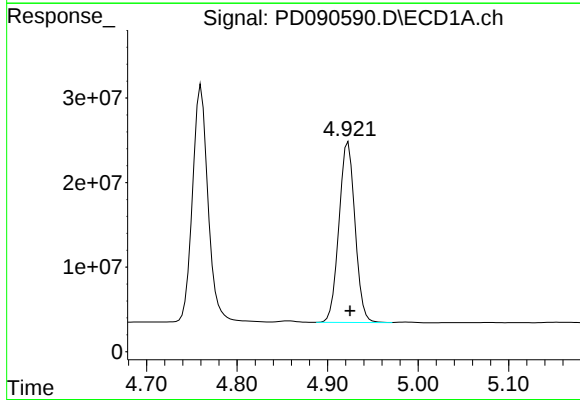
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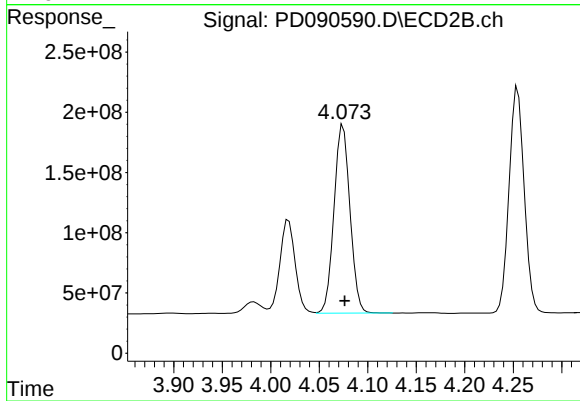
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: -0.001 min
Response: 1990914668
Conc: 48.87 ng/ml



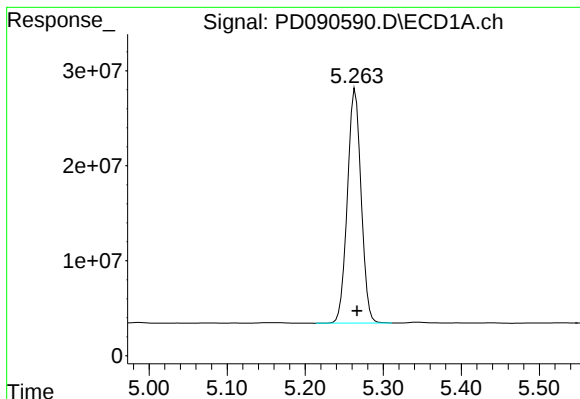
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 262835081
Conc: 39.75 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.002 min
Response: 1790190217
Conc: 43.97 ng/ml



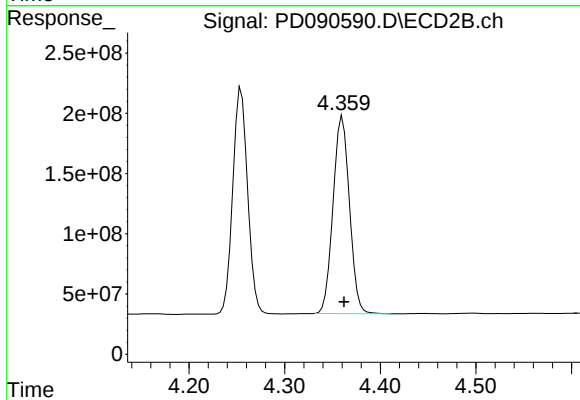
#5 Aldrin

R.T.: 5.264 min
Delta R.T.: -0.002 min
Response: 301223321
Conc: 47.44 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

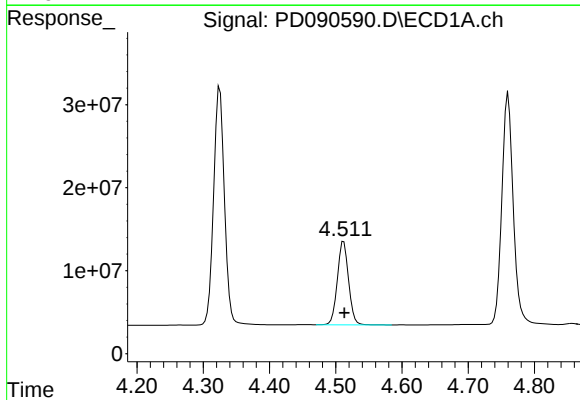
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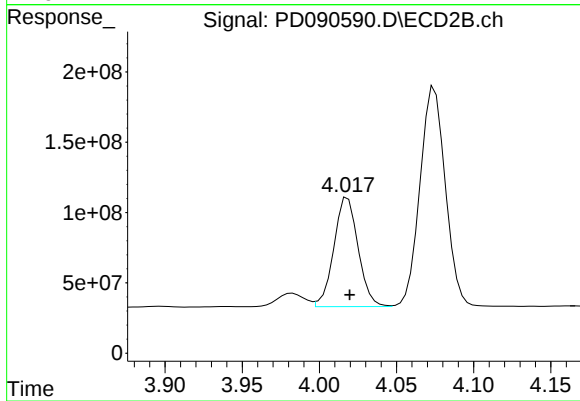
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: -0.002 min
Response: 1953141287
Conc: 48.91 ng/ml



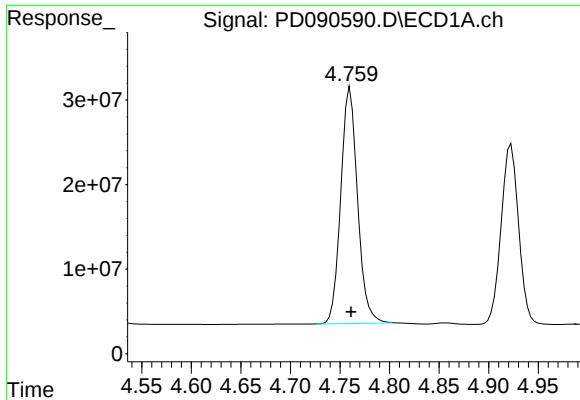
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 118788754
Conc: 46.04 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.001 min
Response: 850408081
Conc: 49.06 ng/ml



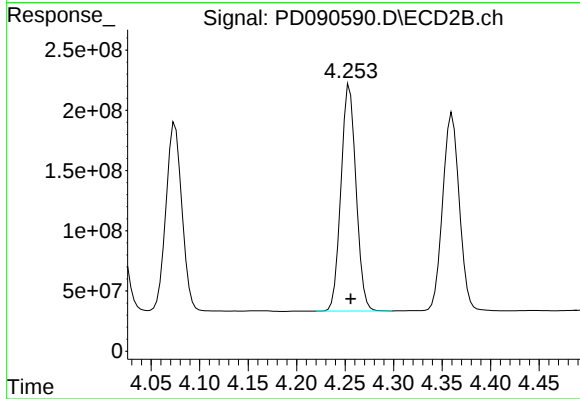
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 329361560
Conc: 51.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

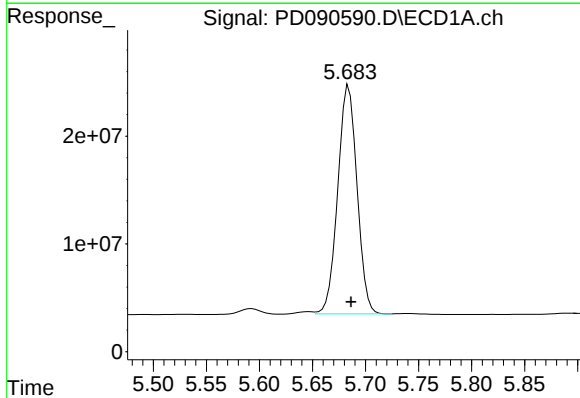
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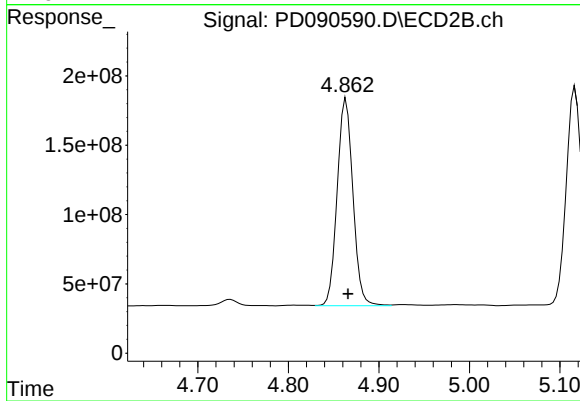
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 2029609937
Conc: 49.15 ng/ml



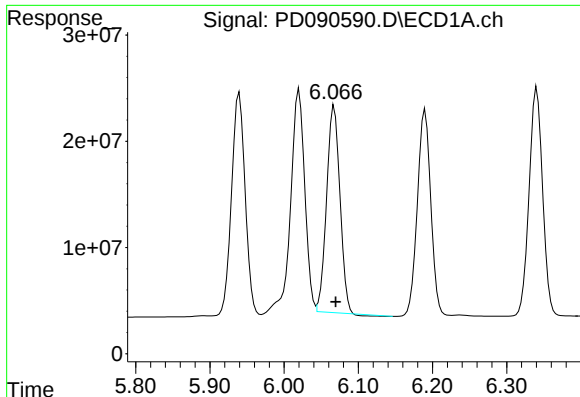
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 267659285
Conc: 46.84 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1806672378
Conc: 49.01 ng/ml



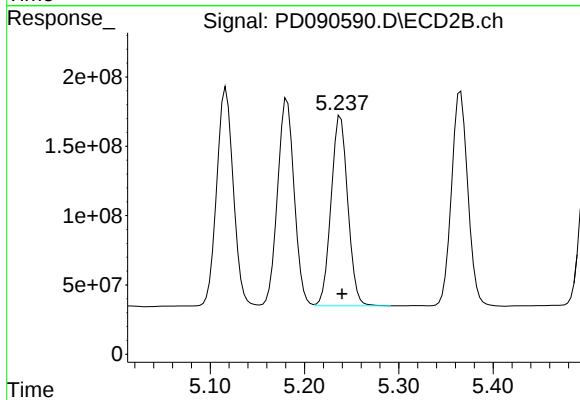
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 242041219
Conc: 44.81 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

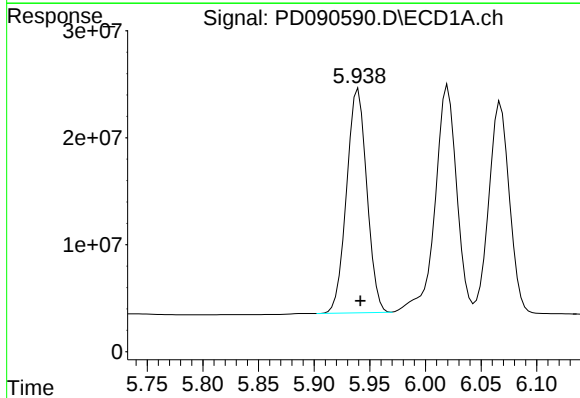
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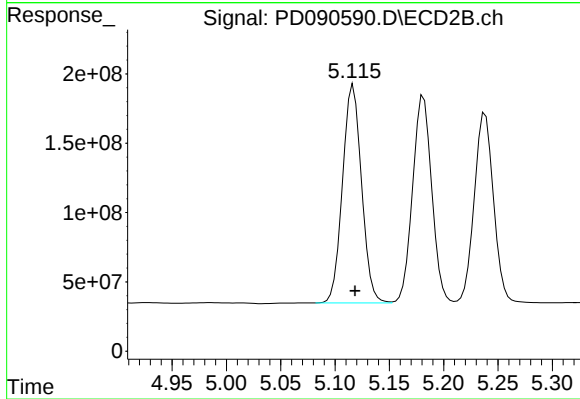
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1687653769
Conc: 48.77 ng/ml



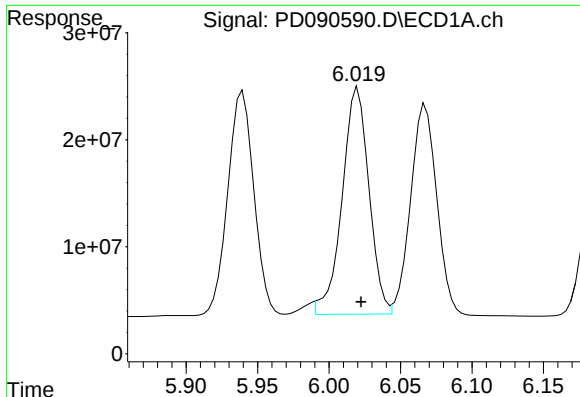
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.002 min
Response: 265287167
Conc: 46.44 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 1919644541
Conc: 48.86 ng/ml



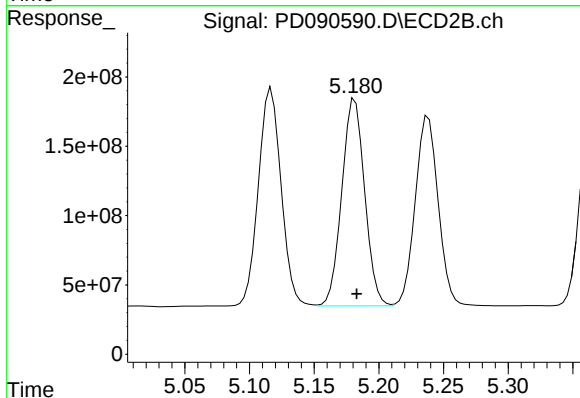
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 277020462
Conc: 48.09 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

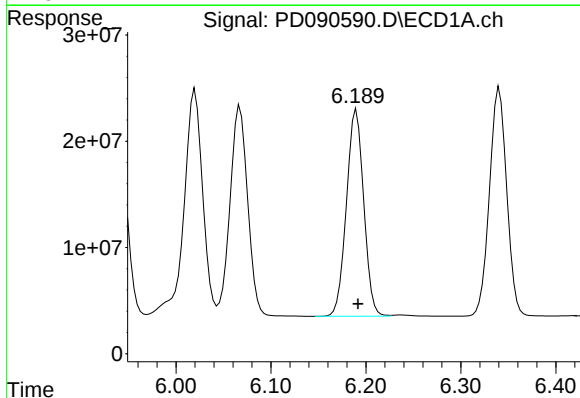
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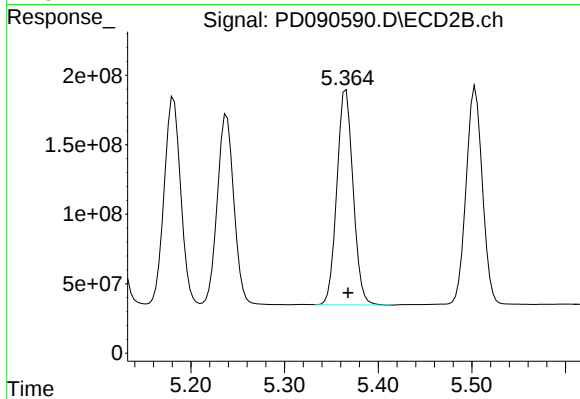
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.001 min
Response: 1835454436
Conc: 48.73 ng/ml



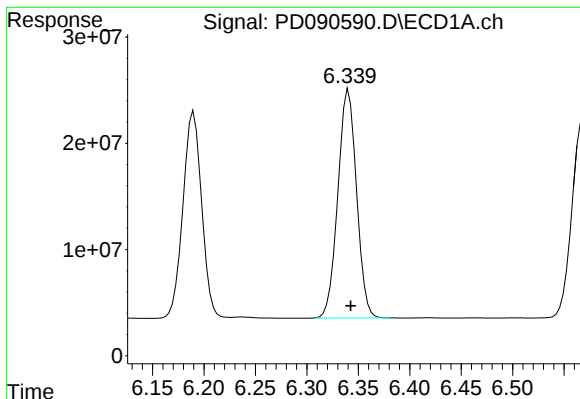
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 246436795
Conc: 47.32 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1868491729
Conc: 48.81 ng/ml



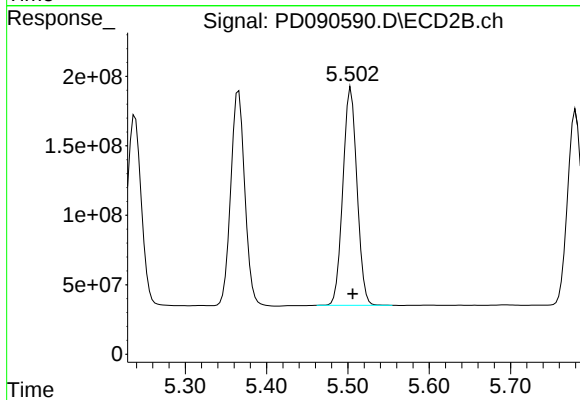
#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 271649169
Conc: 47.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

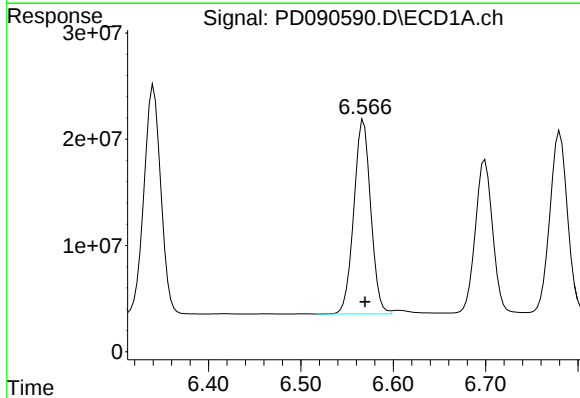
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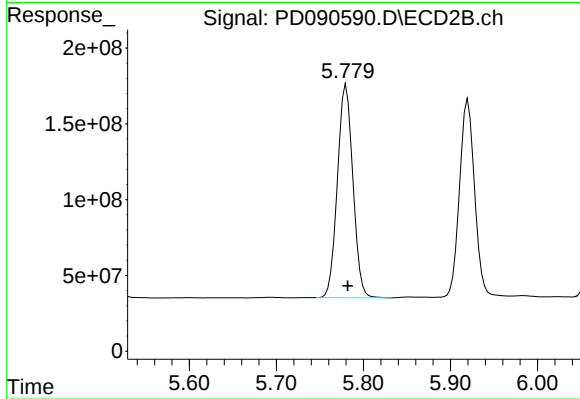
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1885783466
Conc: 48.42 ng/ml



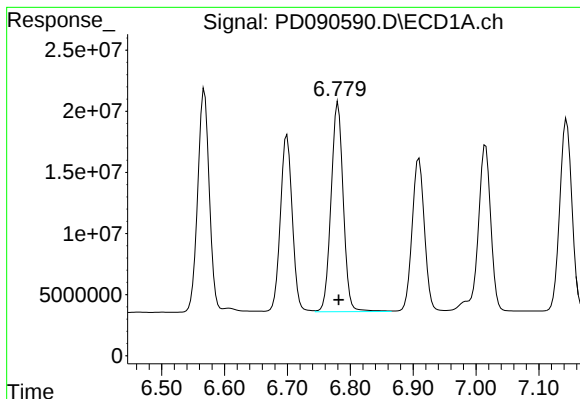
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 231993686
Conc: 47.40 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1741639667
Conc: 48.61 ng/ml



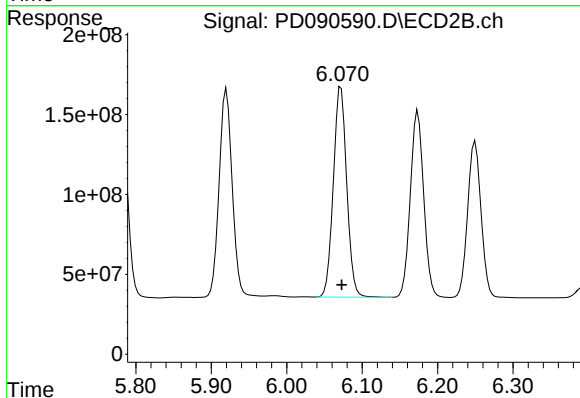
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.001 min
Response: 231171090
Conc: 47.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

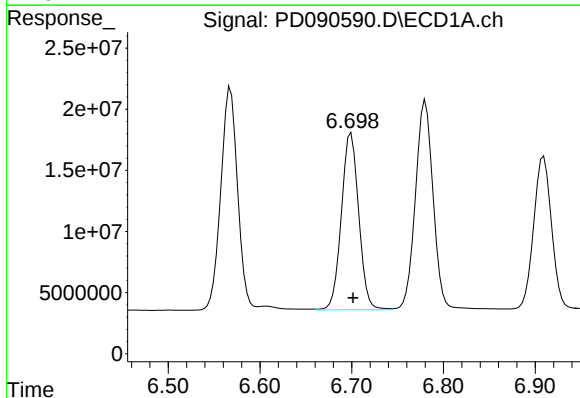
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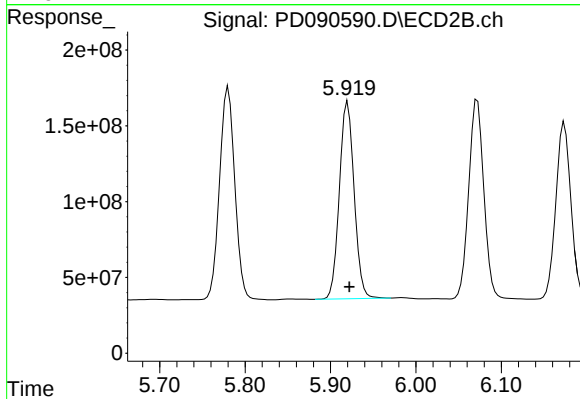
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1627064300
Conc: 48.21 ng/ml



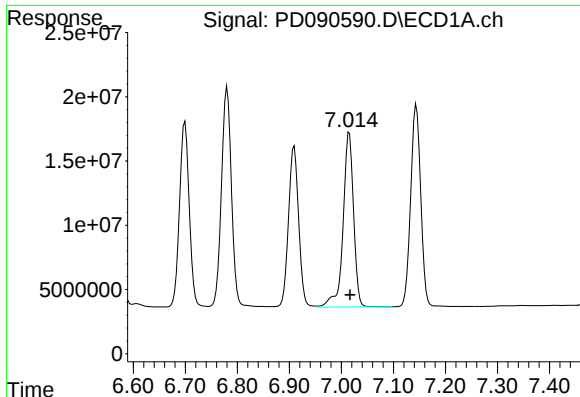
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 189913060
Conc: 46.34 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1562077278
Conc: 48.17 ng/ml



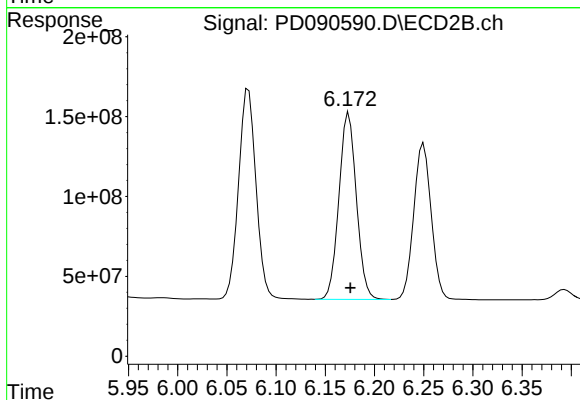
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 190296307
Conc: 42.74 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

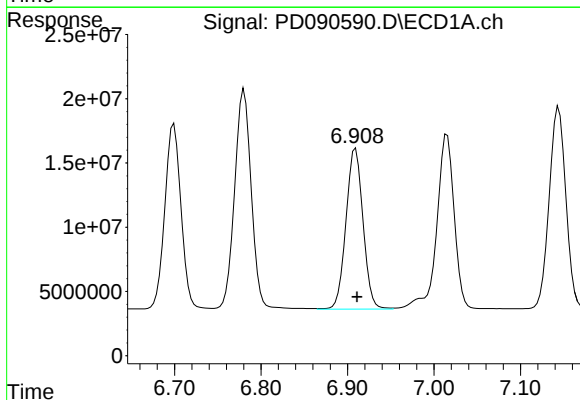
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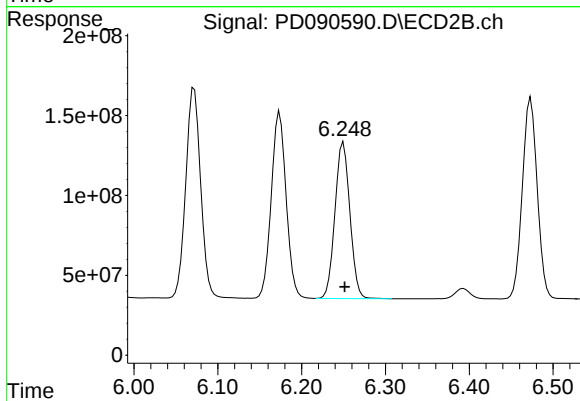
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1443345051
Conc: 41.98 ng/ml



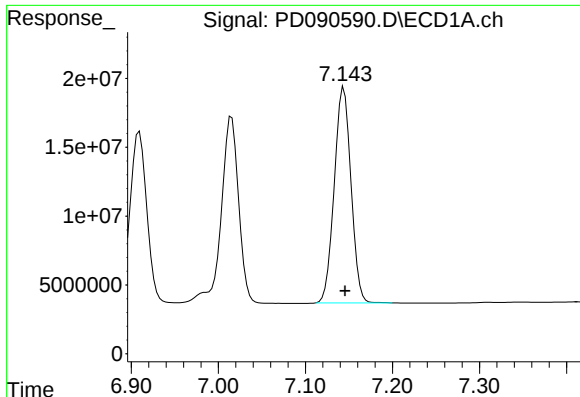
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 170402422
Conc: 49.67 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1211150829
Conc: 51.44 ng/ml



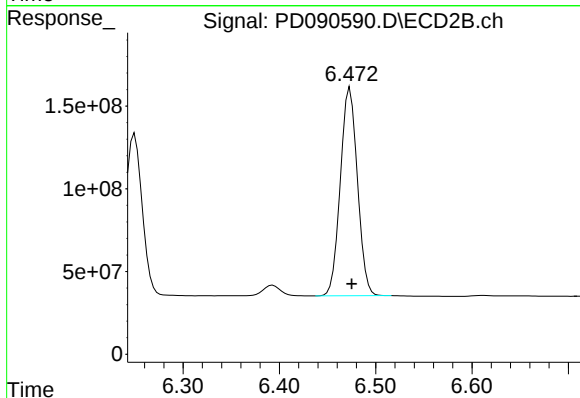
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 209672903
Conc: 45.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

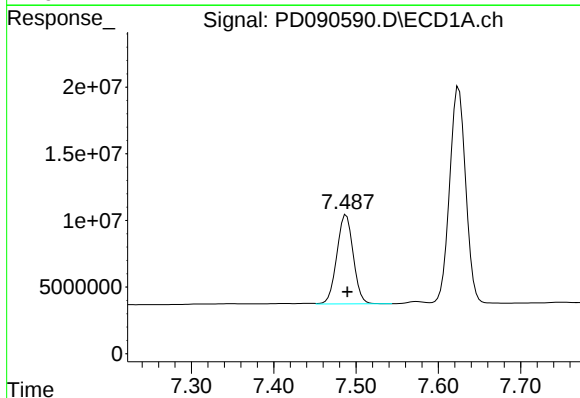
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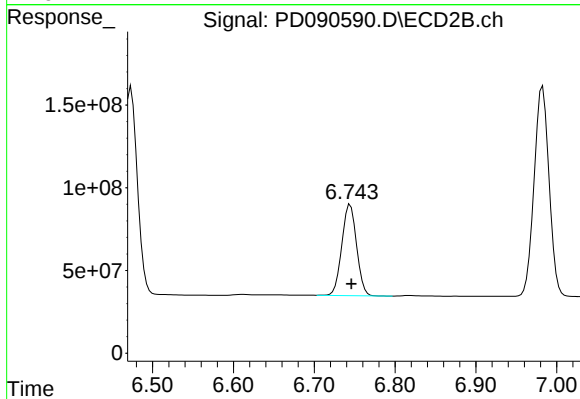
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1547364121
Conc: 47.33 ng/ml



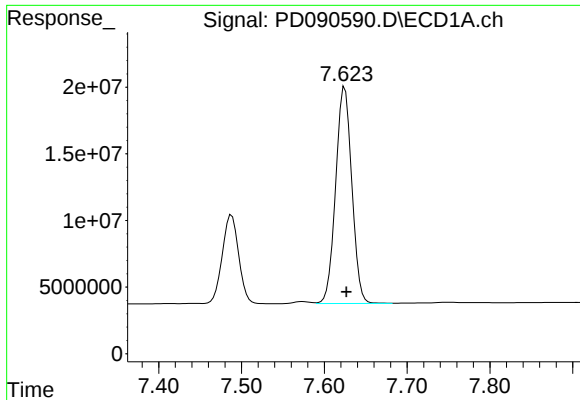
#20 Methoxychlor

R.T.: 7.488 min
Delta R.T.: -0.002 min
Response: 92650146
Conc: 39.32 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 698682353
Conc: 40.15 ng/ml



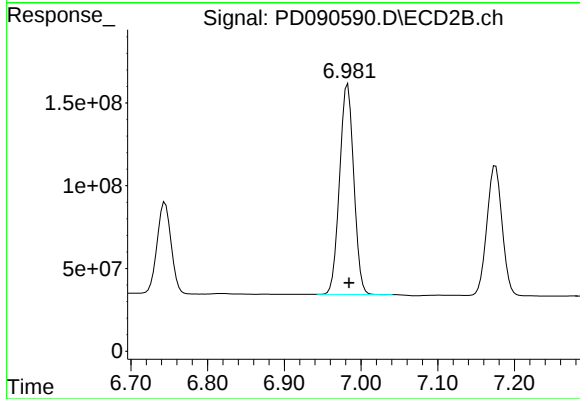
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 220806762
Conc: 44.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MSD

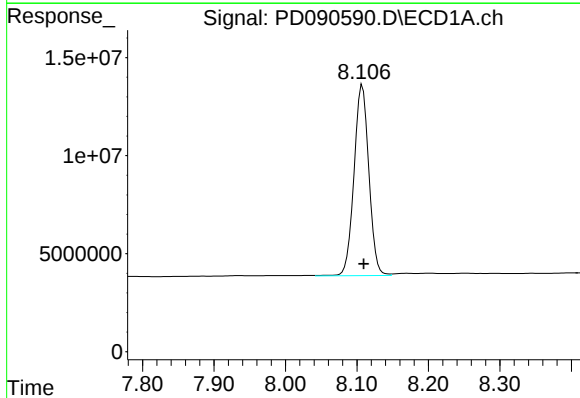
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



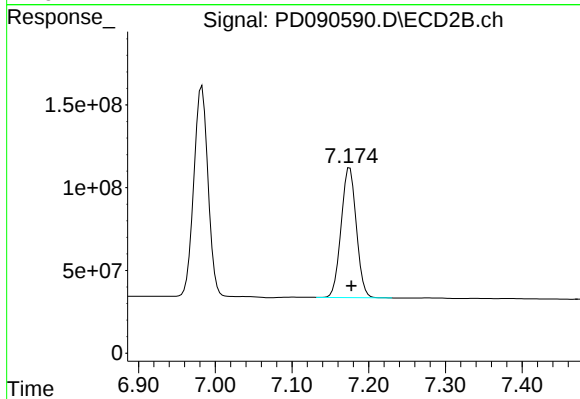
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.002 min
Response: 1636067191
Conc: 45.32 ng/ml



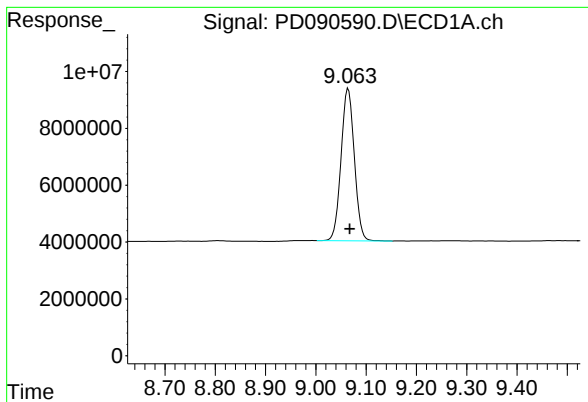
#22 Mirex

R.T.: 8.108 min
Delta R.T.: -0.002 min
Response: 140403431
Conc: 37.90 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1080835670
Conc: 39.15 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.003 min
Response: 98343443
Conc: 20.38 ng/ml

Instrument :

ECD_D

ClientSampleId :

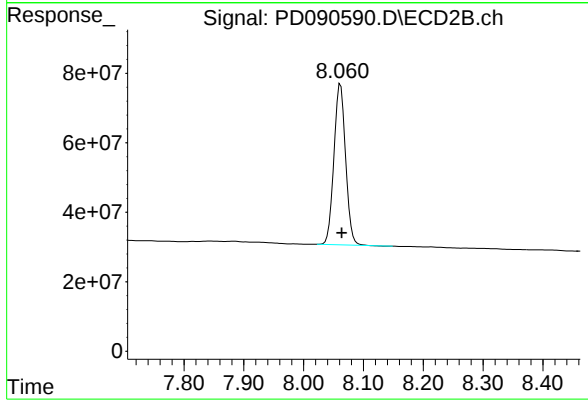
P001-DS-01MSD

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 627025630
Conc: 19.34 ng/ml