

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
 Data File : PD090550.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 09 Oct 2025 15:47
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

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 08:23:37 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	140.8E6	1243.7E6	43.332	45.306
28)	SA Decachlor...	9.061	8.060	205.5E6	1435.7E6	42.589	44.290
Target Compounds							
2)	A alpha-BHC	3.994	3.386	320.6E6	2064.9E6	45.904	47.162
3)	MA gamma-BHC...	4.324	3.722	303.4E6	1913.1E6	45.849	46.963
4)	MA Heptachlor	4.922	4.074	301.7E6	1892.7E6	45.626	46.484
5)	MB Aldrin	5.263	4.359	290.7E6	1884.3E6	45.788	47.185
6)	B beta-BHC	4.511	4.018	116.0E6	812.9E6	44.981	46.893
7)	B delta-BHC	4.758	4.254	299.8E6	1939.6E6	46.429m	46.971
8)	B Heptachlo...	5.683	4.863	258.3E6	1724.0E6	45.199	46.765
9)	A Endosulfan I	6.067	5.237	245.6E6	1635.7E6	45.466	47.269
10)	B gamma-Chl...	5.939	5.115	262.6E6	1855.1E6	45.979	47.219
11)	B alpha-Chl...	6.020	5.180	263.9E6	1783.5E6	45.802	47.350
12)	B 4,4'-DDE	6.189	5.365	239.9E6	1818.8E6	46.063	47.514
13)	MA Dieldrin	6.339	5.503	264.7E6	1837.0E6	45.914	47.168
14)	MA Endrin	6.567	5.779	226.0E6	1697.7E6	46.179	47.379
15)	B Endosulfa...	6.779	6.071	220.6E6	1598.5E6	45.225	47.361
16)	A 4,4'-DDD	6.698	5.919	187.9E6	1515.2E6	45.854	46.727
17)	MA 4,4'-DDT	7.014	6.173	202.1E6	1611.3E6	45.390	46.867
18)	B Endrin al...	6.908	6.249	163.7E6	1162.9E6	47.730	49.388
19)	B Endosulfa...	7.143	6.472	204.8E6	1510.7E6	44.522	46.211
20)	A Methoxychlor	7.486	6.743	104.6E6	789.4E6	44.375	45.368
21)	B Endrin ke...	7.623	6.981	222.7E6	1672.4E6	45.014	46.322
22)	Mirex	8.105	7.173	161.9E6	1265.1E6	43.699	45.827

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101125\
Data File : PD090550.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 09 Oct 2025 15:47
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

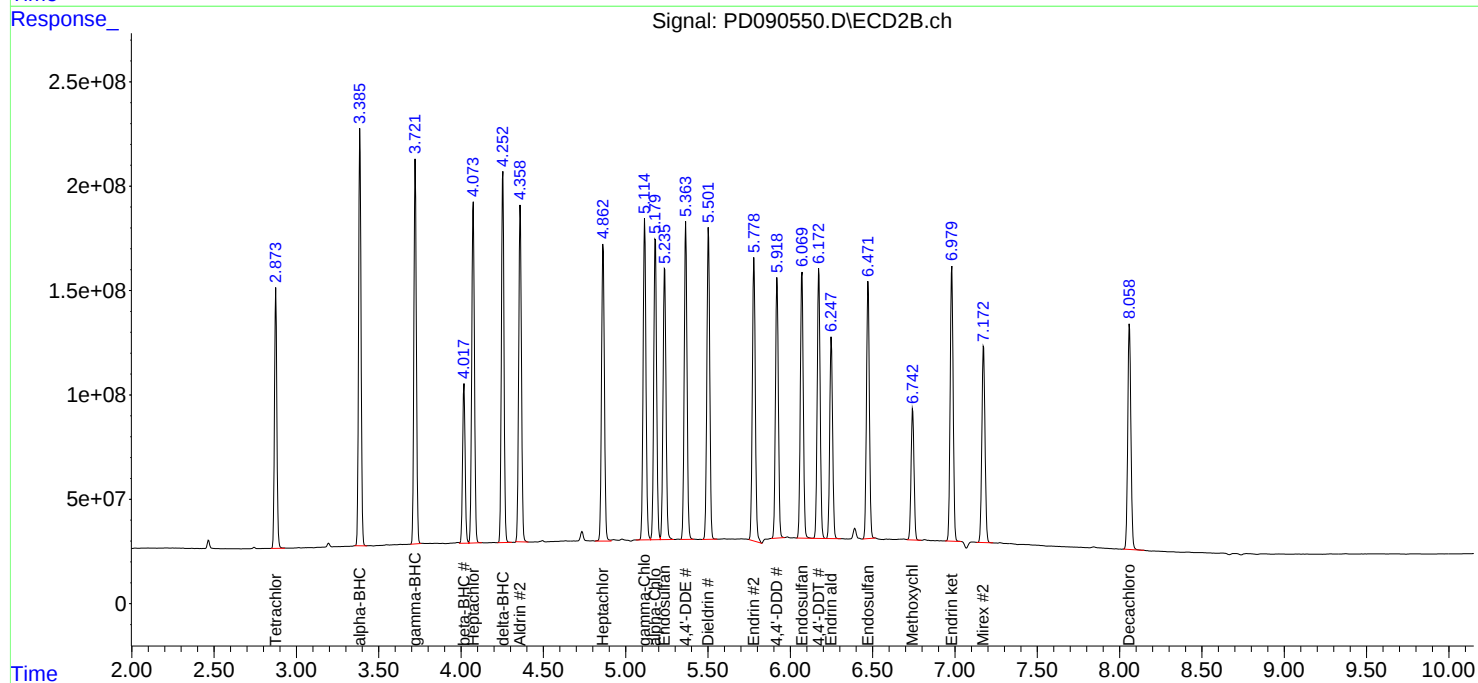
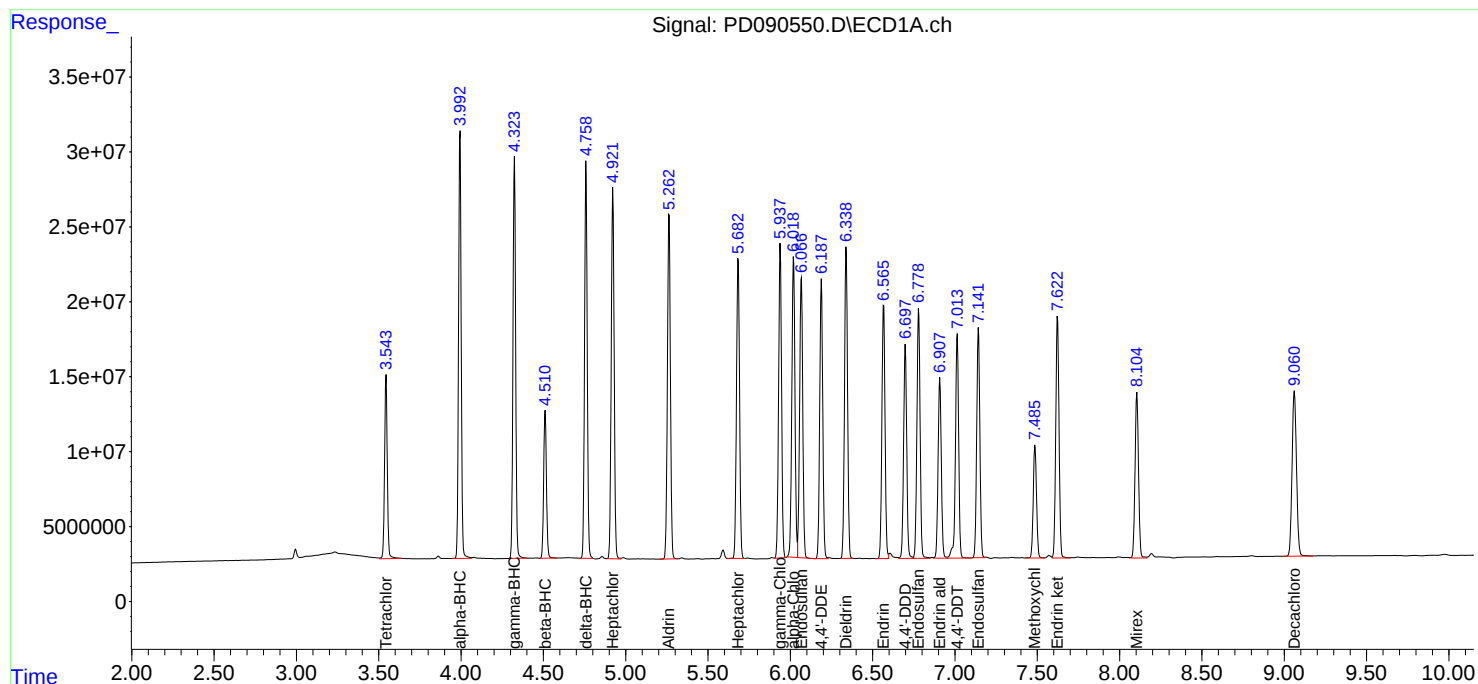
APPROVED

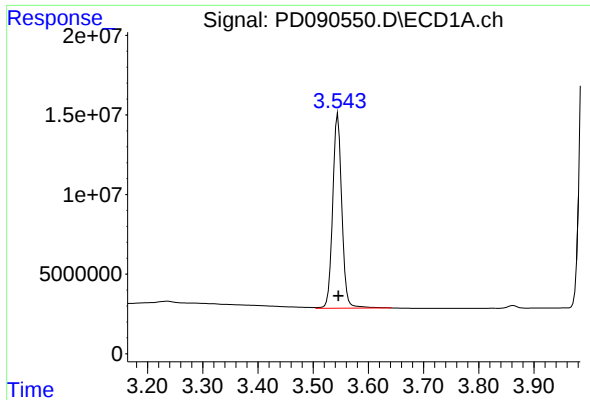
Reviewed By :Abdul Mirza 10/10/2025

Supervised By :mohammad ahmed 10/11/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 10 08:23:37 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





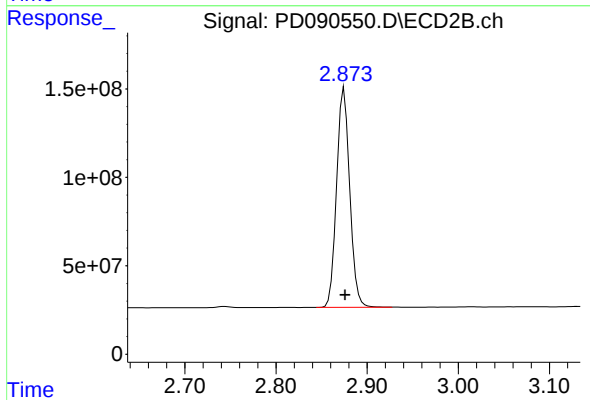
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 140848680
Conc: 43.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

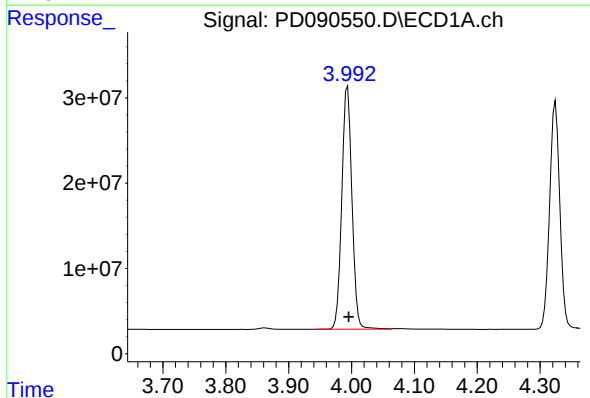
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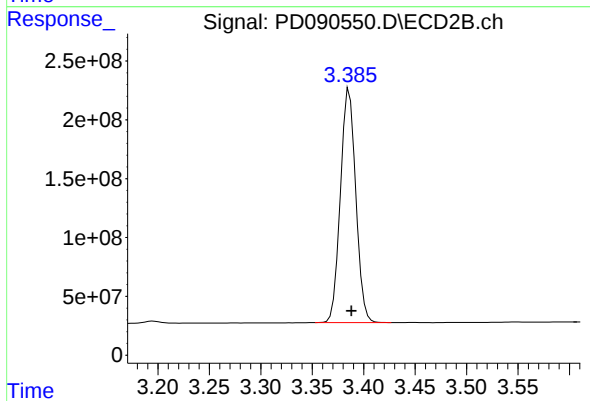
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 1243657727
Conc: 45.31 ng/ml



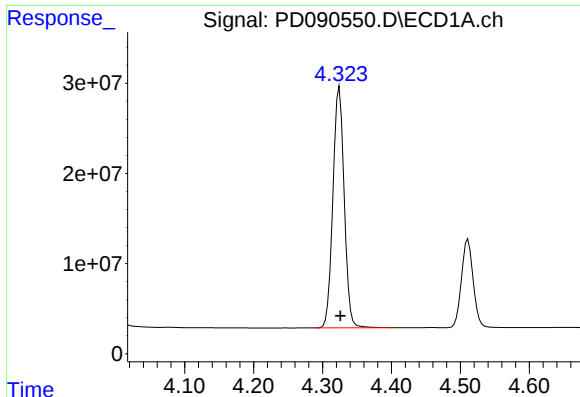
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.002 min
Response: 320616168
Conc: 45.90 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2064900817
Conc: 47.16 ng/ml



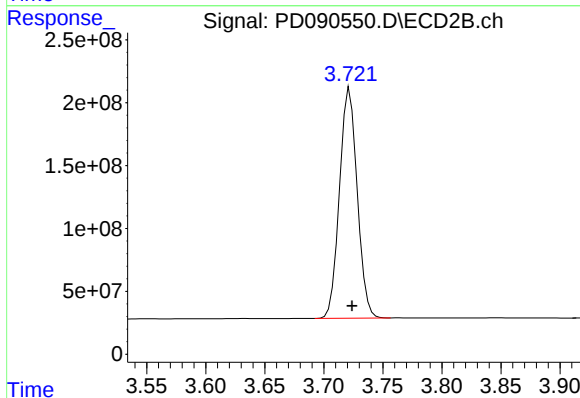
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 303377677
Conc: 45.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

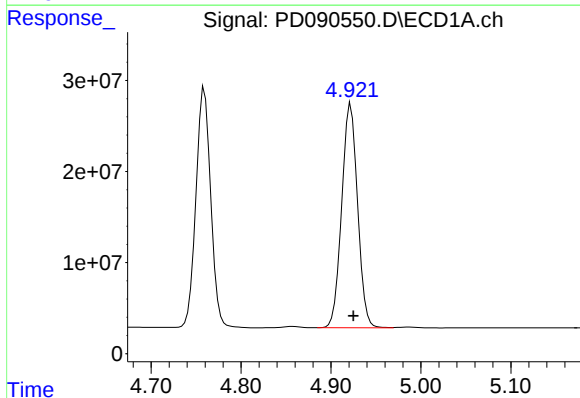
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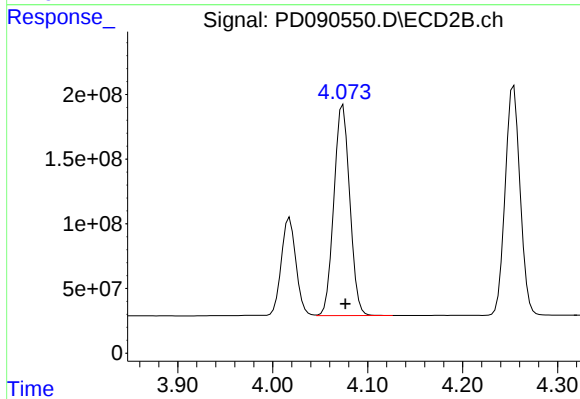
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 1913077941
Conc: 46.96 ng/ml



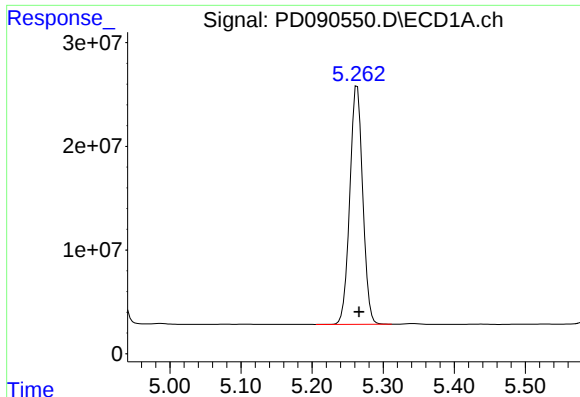
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: -0.003 min
Response: 301705279
Conc: 45.63 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.002 min
Response: 1892696252
Conc: 46.48 ng/ml



#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.003 min
Response: 290748566
Conc: 45.79 ng/ml

Instrument :

ECD_D

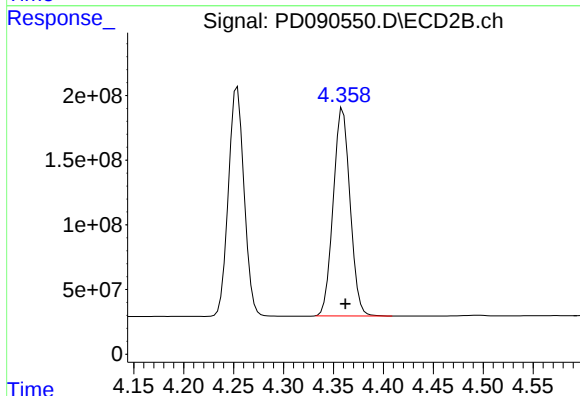
ClientSampleId :

PSTDCCC050

Manual Integrations

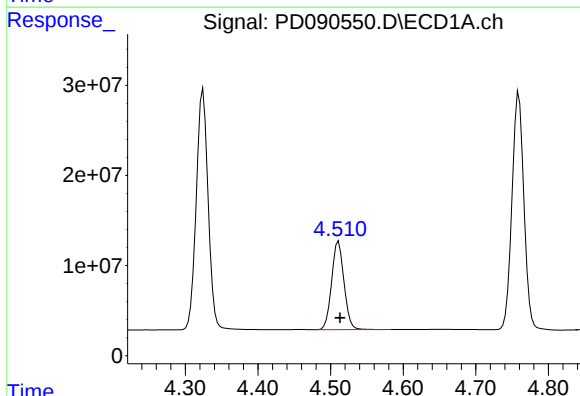
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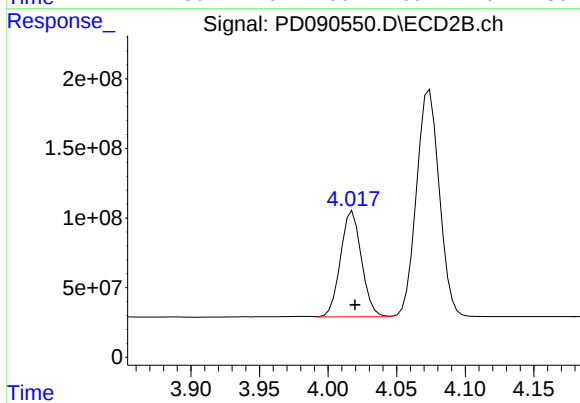
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.003 min
Response: 1884343144
Conc: 47.19 ng/ml



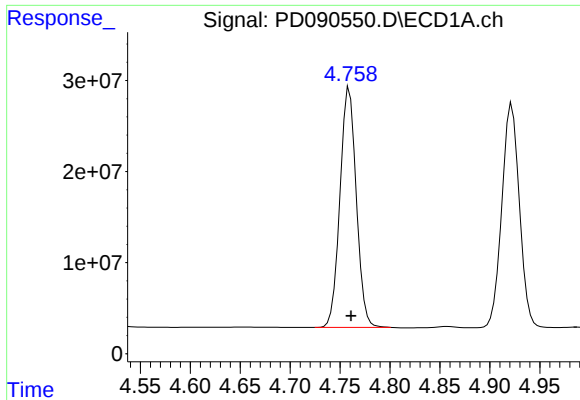
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: -0.002 min
Response: 116046255
Conc: 44.98 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: -0.002 min
Response: 812911684
Conc: 46.89 ng/ml



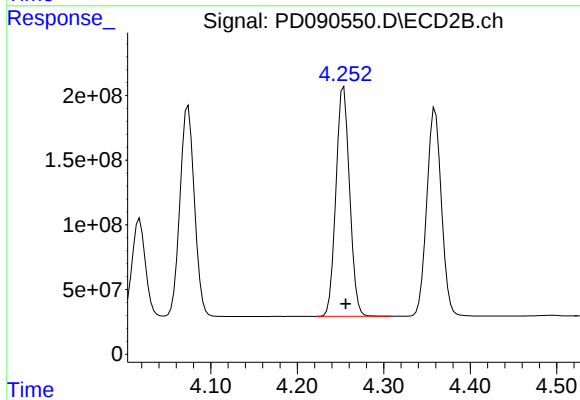
#7 delta-BHC

R.T.: 4.758 min
Delta R.T.: -0.003 min
Response: 299813823
Conc: 46.43 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

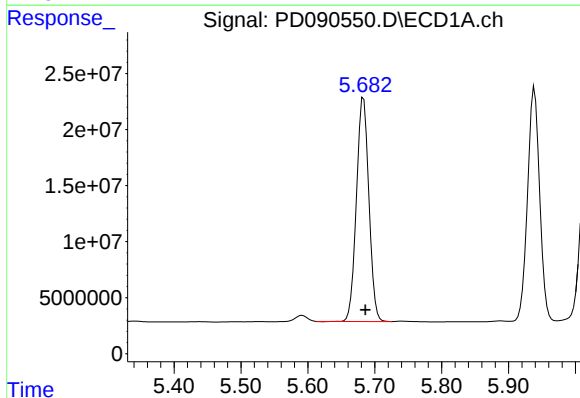
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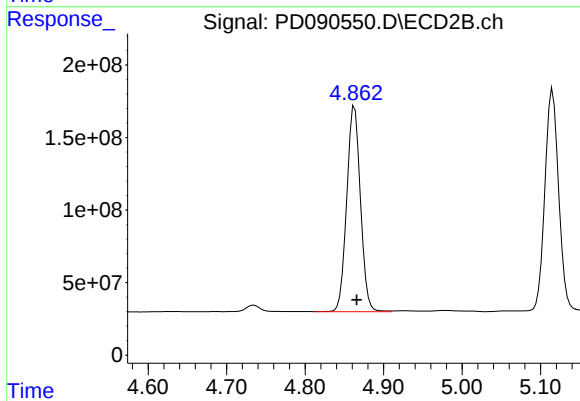
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.002 min
Response: 1939647543
Conc: 46.97 ng/ml



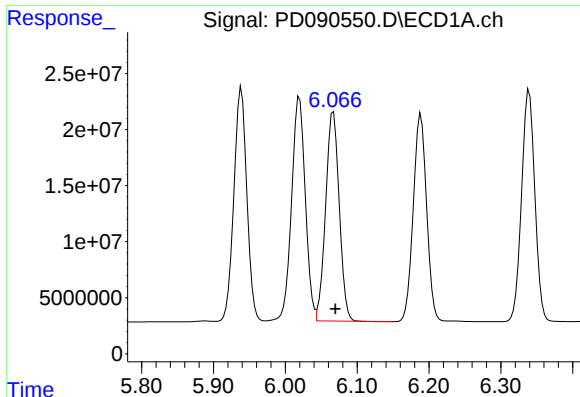
#8 Heptachlor epoxide

R.T.: 5.683 min
Delta R.T.: -0.003 min
Response: 258309258
Conc: 45.20 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.003 min
Response: 1723995357
Conc: 46.77 ng/ml



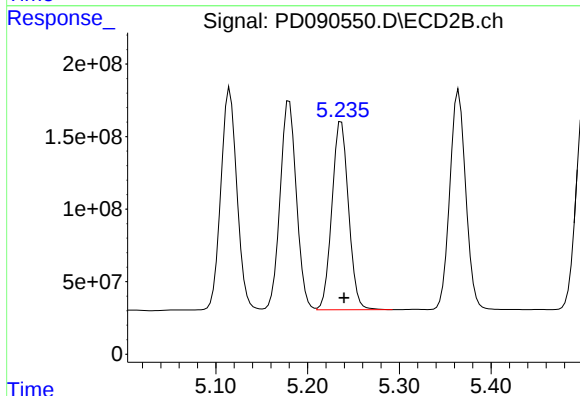
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.003 min
Response: 245580532
Conc: 45.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

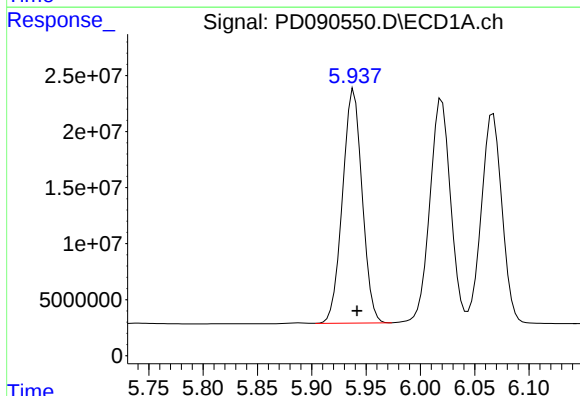
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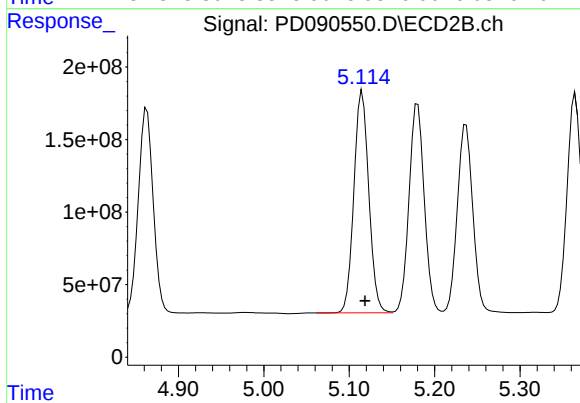
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.003 min
Response: 1635745187
Conc: 47.27 ng/ml



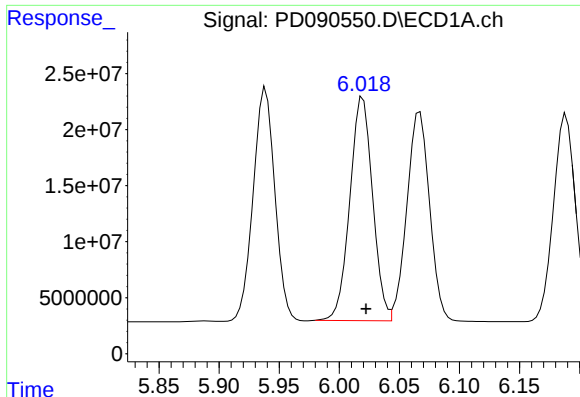
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.003 min
Response: 262631120
Conc: 45.98 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.003 min
Response: 1855066775
Conc: 47.22 ng/ml



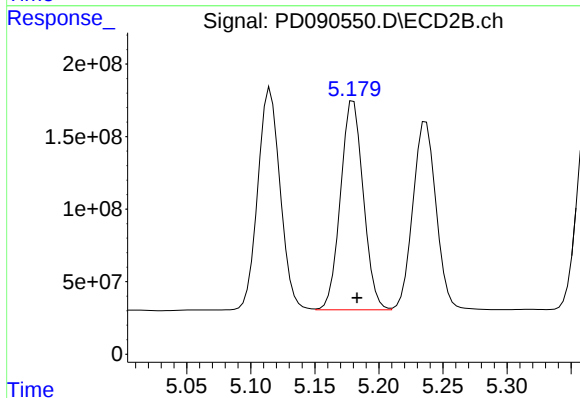
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 263859714
Conc: 45.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

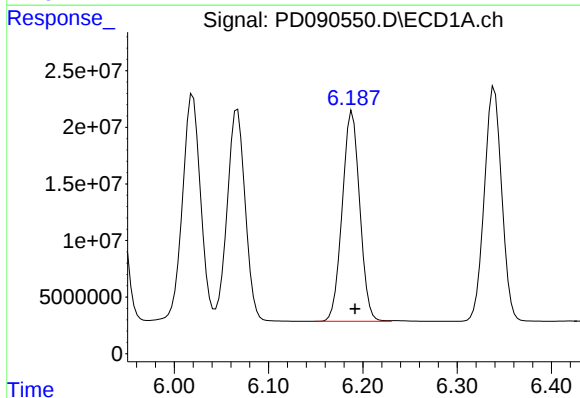
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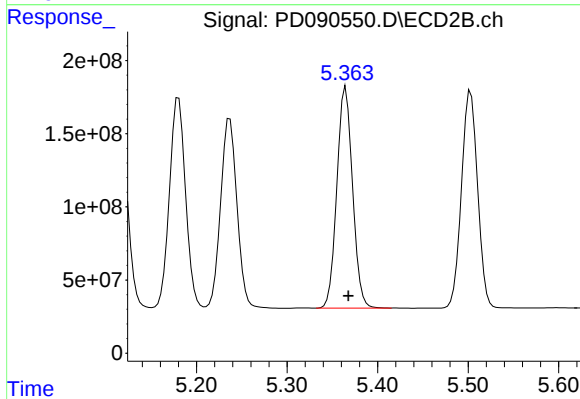
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.003 min
Response: 1783463125
Conc: 47.35 ng/ml



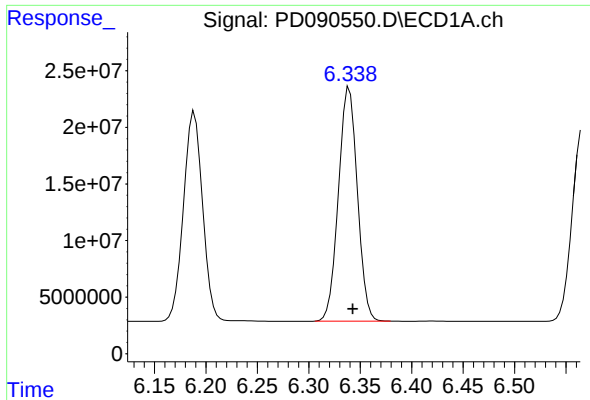
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.003 min
Response: 239875766
Conc: 46.06 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1818786978
Conc: 47.51 ng/ml



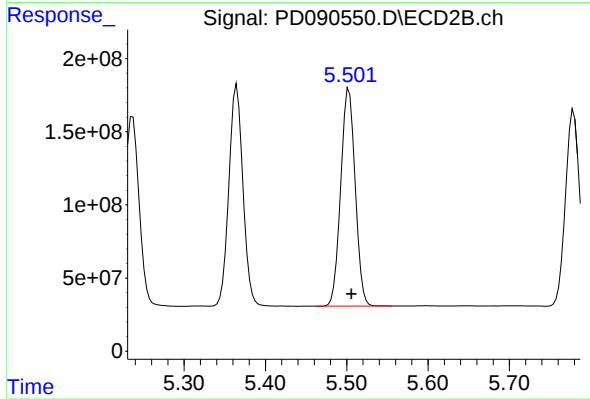
#13 Dieldrin

R.T.: 6.339 min
Delta R.T.: -0.003 min
Response: 264678698
Conc: 45.91 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

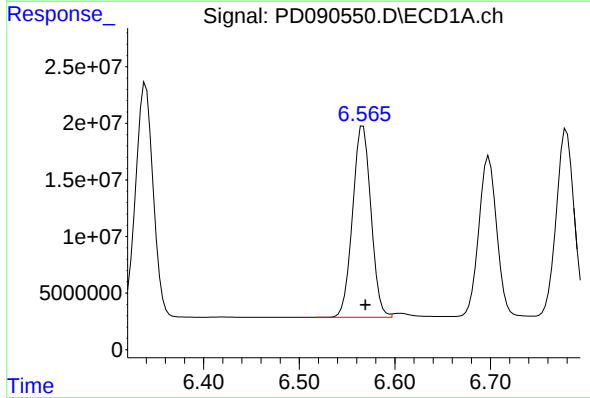
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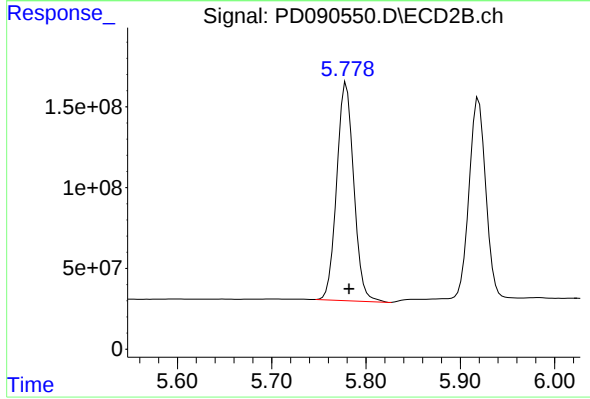
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.003 min
Response: 1837006362
Conc: 47.17 ng/ml



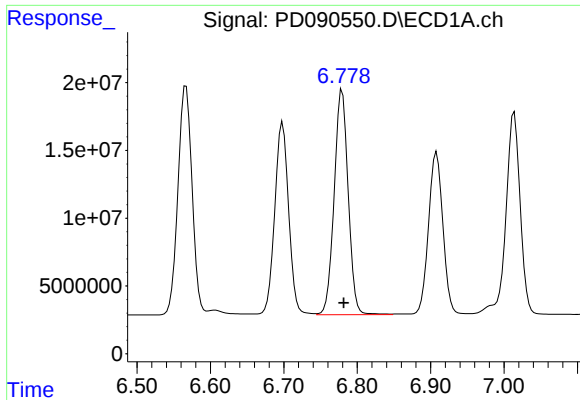
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.003 min
Response: 225999322
Conc: 46.18 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 1697695798
Conc: 47.38 ng/ml



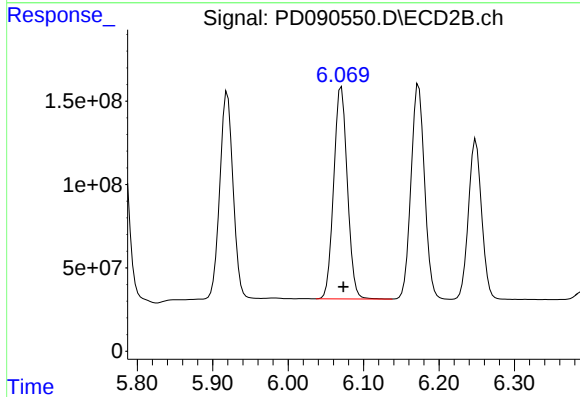
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.002 min
Response: 220600504
Conc: 45.23 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

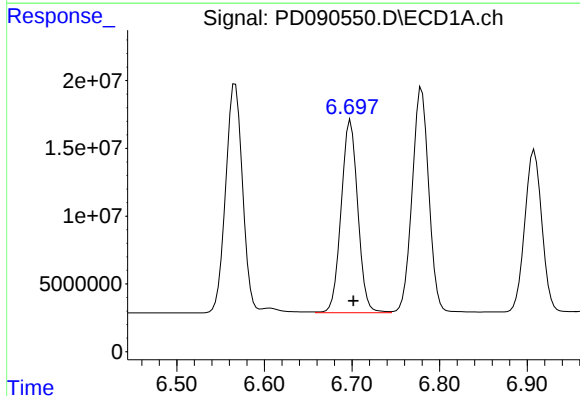
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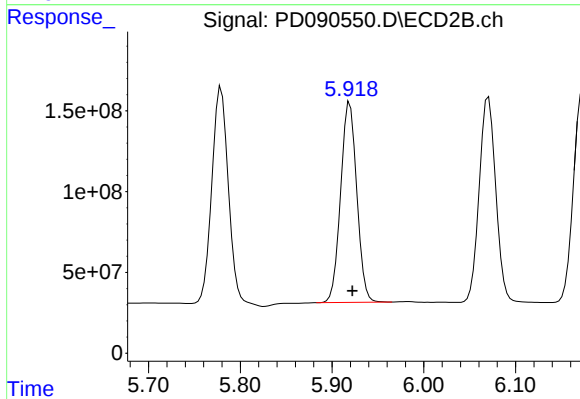
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.003 min
Response: 1598471896
Conc: 47.36 ng/ml



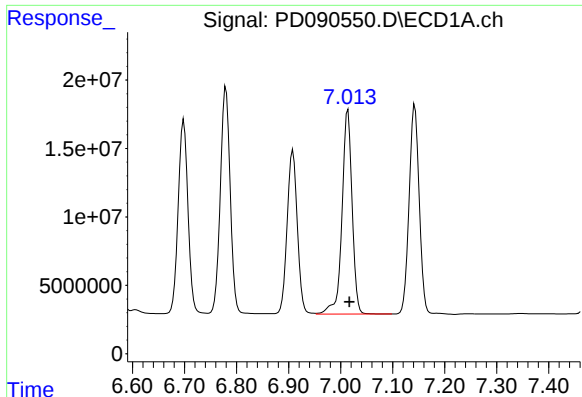
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: -0.003 min
Response: 187900451
Conc: 45.85 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.003 min
Response: 1515237872
Conc: 46.73 ng/ml



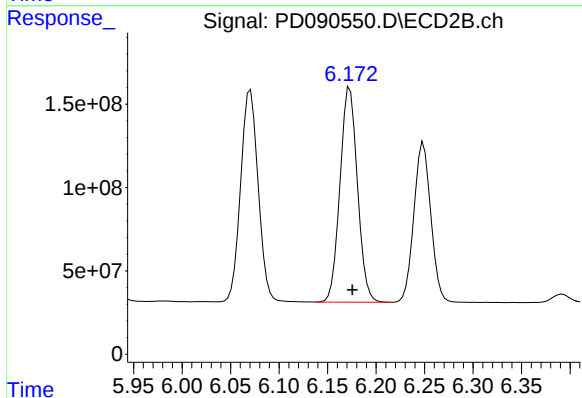
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: -0.003 min
Response: 202095237
Conc: 45.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

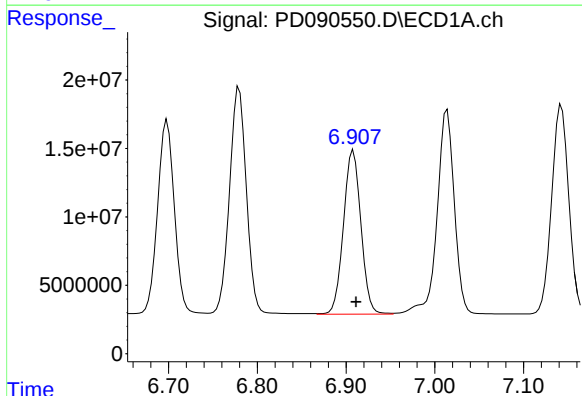
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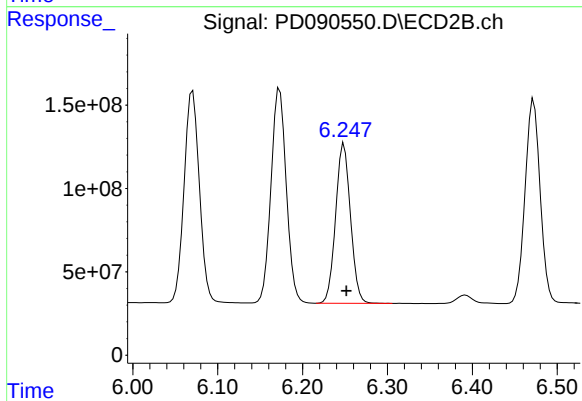
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: -0.003 min
Response: 1611250440
Conc: 46.87 ng/ml



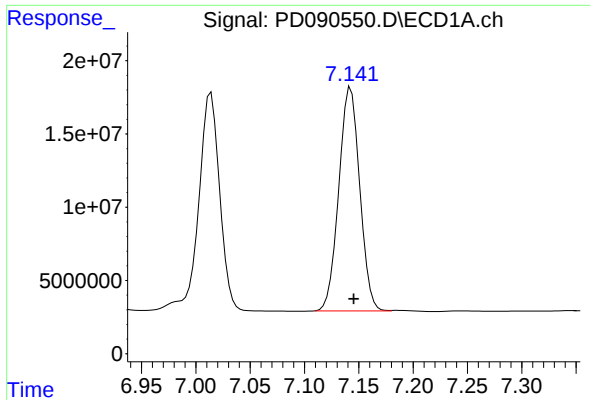
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 163743435
Conc: 47.73 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.003 min
Response: 1162927370
Conc: 49.39 ng/ml



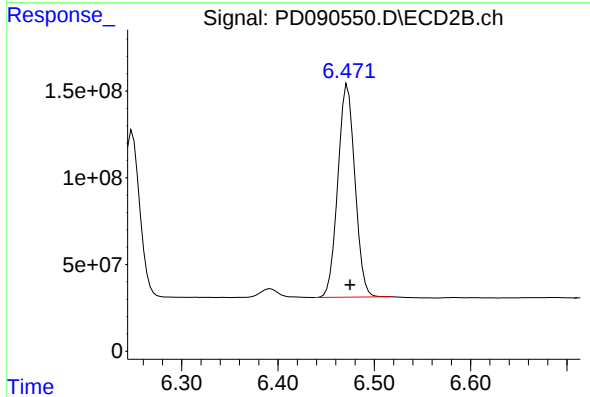
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.003 min
Response: 204815612
Conc: 44.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

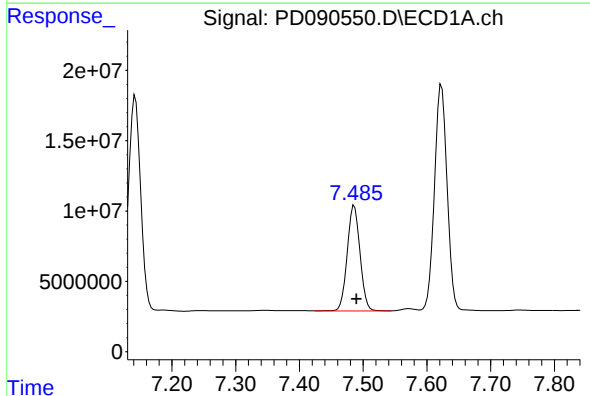
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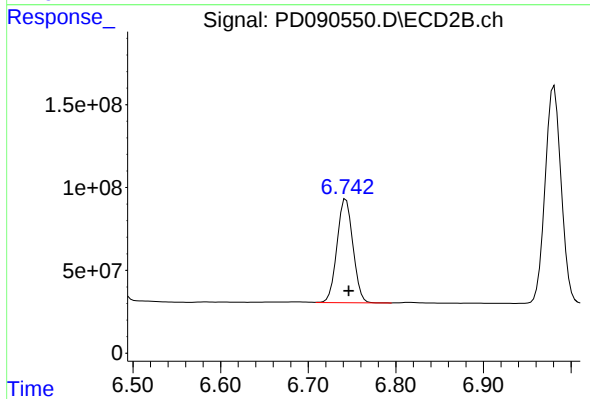
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.003 min
Response: 1510667846
Conc: 46.21 ng/ml



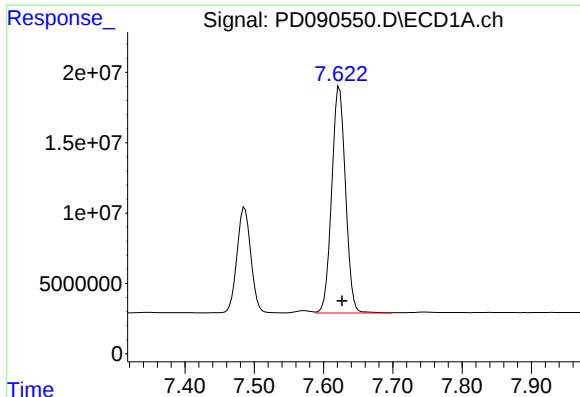
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 104569870
Conc: 44.37 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.003 min
Response: 789418422
Conc: 45.37 ng/ml



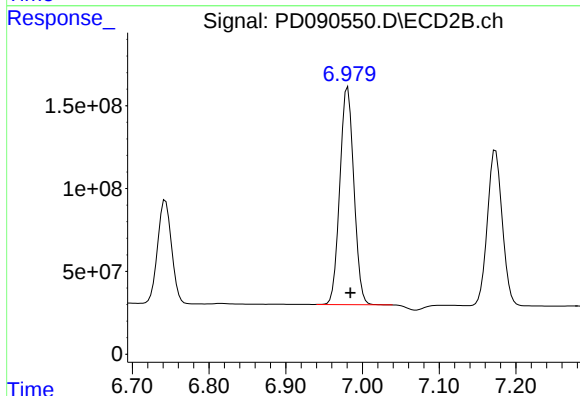
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 222699956
Conc: 45.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

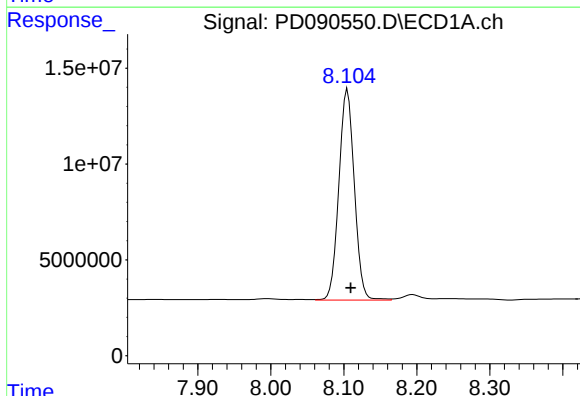
Manual Integrations
APPROVED

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



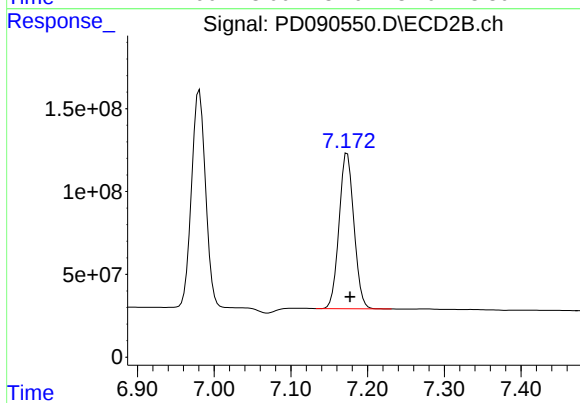
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.003 min
Response: 1672353129
Conc: 46.32 ng/ml



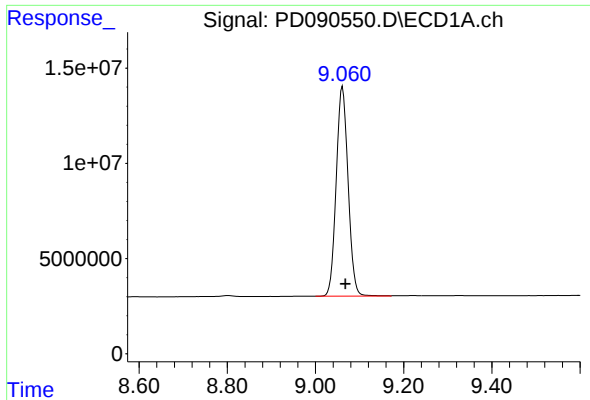
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.004 min
Response: 161899088
Conc: 43.70 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.004 min
Response: 1265098568
Conc: 45.83 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.006 min
Response: 205494885
Conc: 42.59 ng/ml

Instrument :

ECD_D

ClientSampleId :

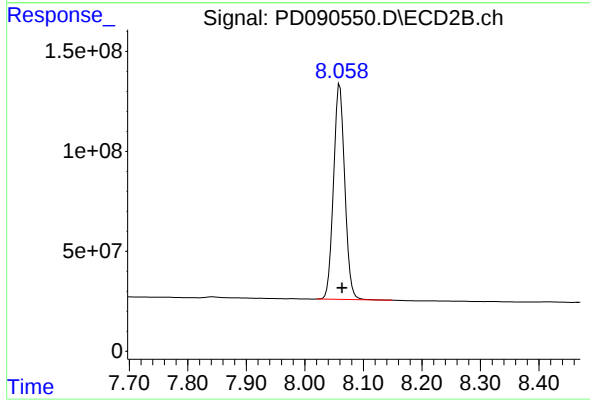
PSTDCCC050

Manual Integrations

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Supervised By :mohammad ahmed 10/11/2025



#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.004 min
Response: 1435657486
Conc: 44.29 ng/ml