

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090824.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 15:42
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/27/2025
 Supervised By : mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:38:52 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...	3.549	2.873	164.3E6	1542.2E6	52.767	51.790
28)	SA Decachlor...	9.069	8.061	215.3E6	1214.5E6	46.026	40.095
Target Compounds							
2)	A alpha-BHC	3.998	3.386	383.2E6	2585.7E6	53.386	50.605
3)	MA gamma-BHC...	4.330	3.722	358.1E6	2406.2E6	52.670	50.925
4)	MA Heptachlor	4.927	4.074	332.8E6	2257.5E6	59.534	50.613
5)	MB Aldrin	5.268	4.360	331.5E6	2286.7E6	50.632	49.368
6)	B beta-BHC	4.517	4.018	136.4E6	987.7E6	52.085	49.810
7)	B delta-BHC	4.765	4.254	355.9E6	2387.6E6	52.628	50.037
8)	B Heptachlo...	5.687	4.864	295.5E6	2059.2E6	51.043m	48.293
9)	A Endosulfan I	6.072	5.238	270.4E6	1854.3E6	48.837	47.076
10)	B gamma-Chl...	5.944	5.116	289.6E6	2149.2E6	48.829	47.815
11)	B alpha-Chl...	6.024	5.181	314.4E6	2050.8E6	50.879	47.542
12)	B 4,4'-DDE	6.194	5.366	253.2E6	2075.0E6	47.542	47.334
13)	MA Dieldrin	6.345	5.503	284.5E6	2078.0E6	48.788	47.030
14)	MA Endrin	6.572	5.780	223.8E6	1796.7E6	45.183	44.370
15)	B Endosulfa...	6.785	6.072	234.1E6	1673.8E6	46.828	44.568
16)	A 4,4'-DDD	6.704	5.920	201.6E6	1696.4E6	49.725	46.555
17)	MA 4,4'-DDT	7.019	6.173	180.3E6	1520.8E6	43.875	43.362
18)	B Endrin al...	6.914	6.250	169.5E6	1197.7E6	46.274	43.249
19)	B Endosulfa...	7.148	6.473	211.6E6	1536.6E6	45.621	42.867
20)	A Methoxychlor	7.492	6.744	91534616	729.3E6	43.063	41.850
21)	B Endrin ke...	7.629	6.982	223.7E6	1569.4E6	46.042	41.609
22)	Mirex	8.111	7.175	155.6E6	1114.6E6	48.601	43.387

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090824.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 15:42
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

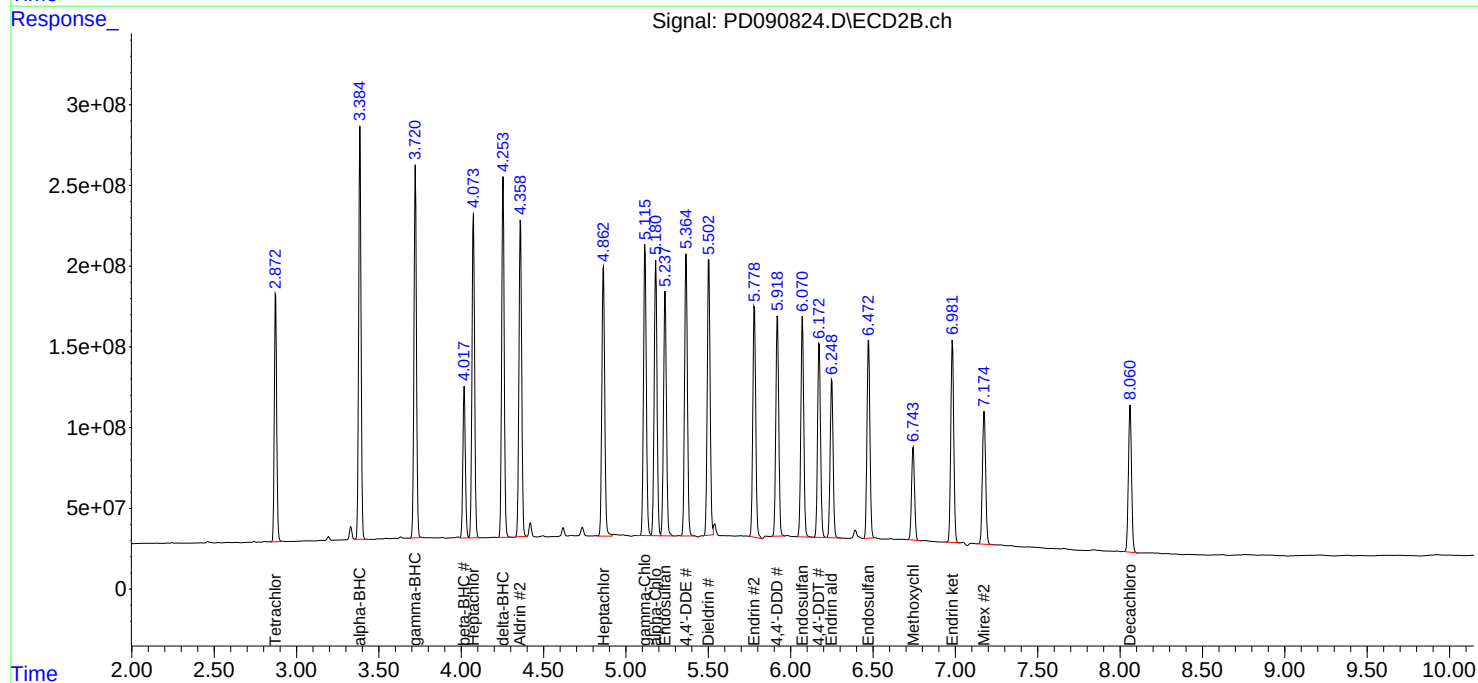
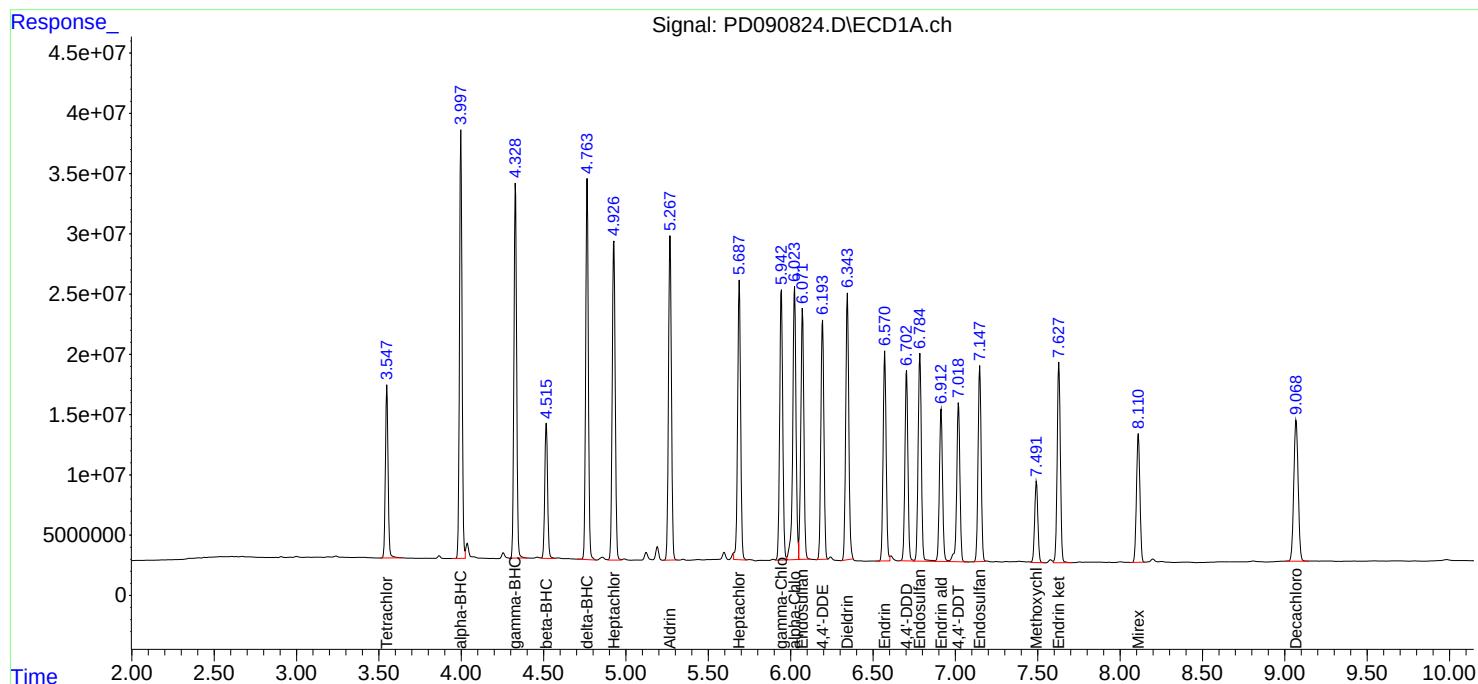
APPROVED

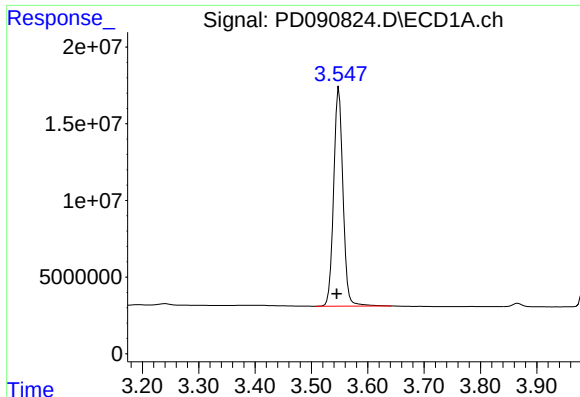
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:38:52 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





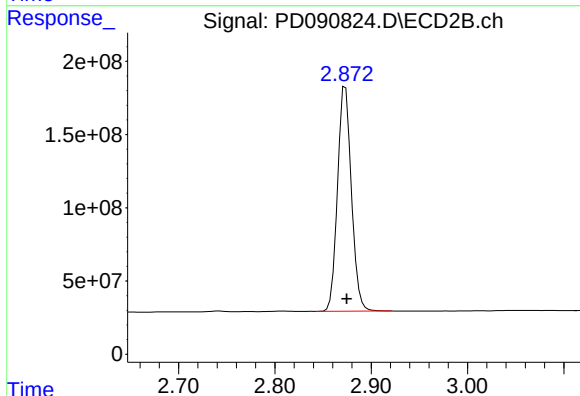
#1 Tetrachloro-m-xylene

R.T.: 3.549 min
Delta R.T.: 0.004 min
Response: 164325660
Conc: 52.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

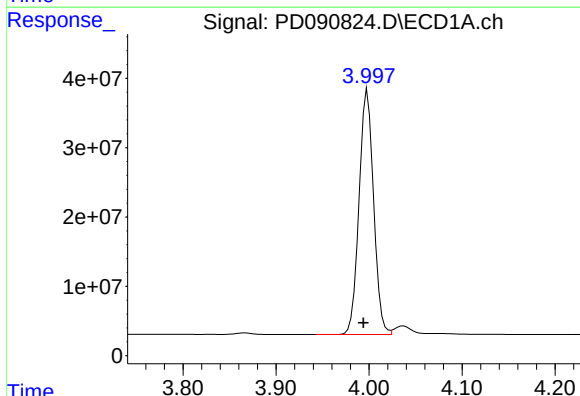
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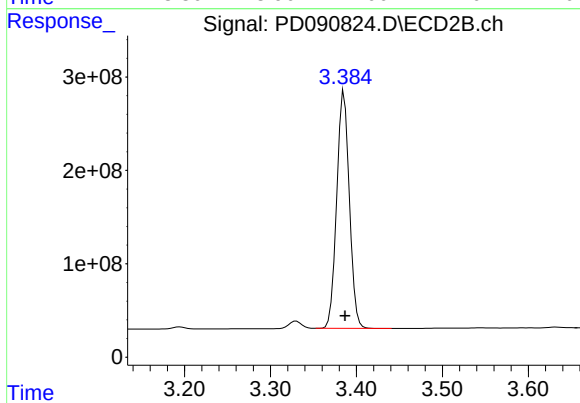
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.001 min
Response: 1542172600
Conc: 51.79 ng/ml



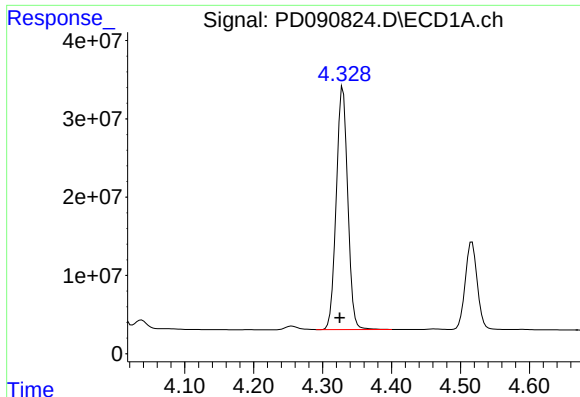
#2 alpha-BHC

R.T.: 3.998 min
Delta R.T.: 0.004 min
Response: 383158495
Conc: 53.39 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2585711678
Conc: 50.61 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.330 min
Delta R.T.: 0.005 min
Response: 358095743
Conc: 52.67 ng/ml

Instrument :

ECD_D

ClientSampleId :

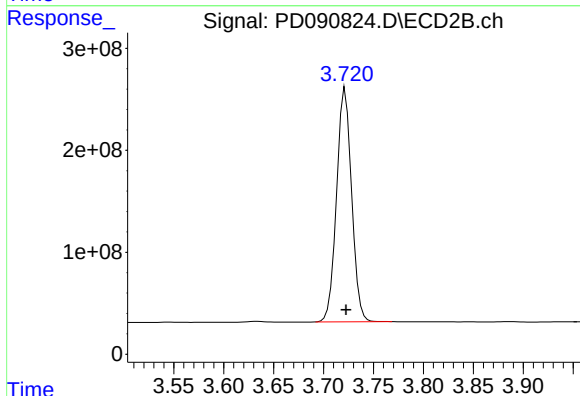
PSTDCCC050

Manual Integrations

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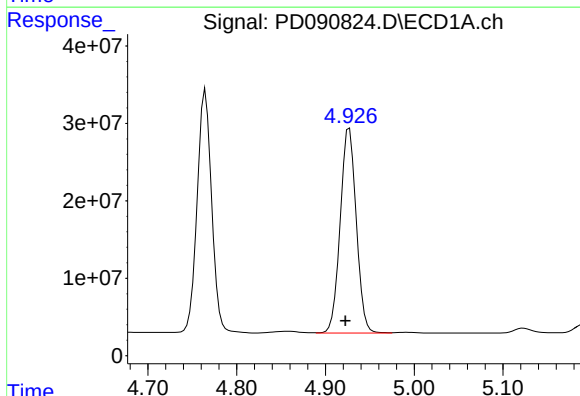
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



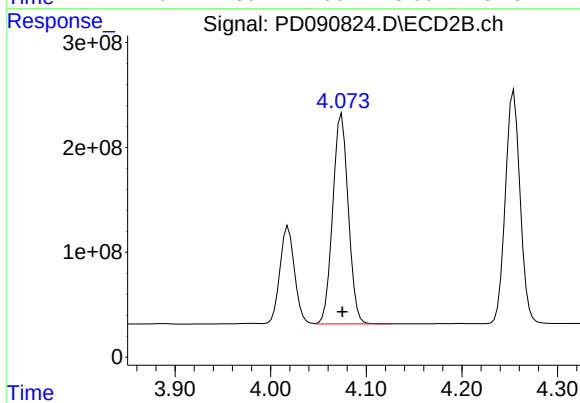
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2406154207
Conc: 50.93 ng/ml



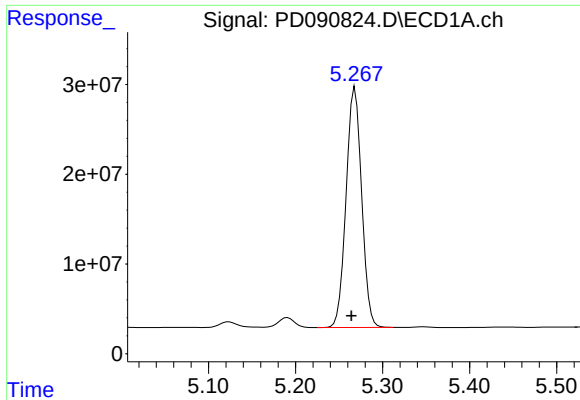
#4 Heptachlor

R.T.: 4.927 min
Delta R.T.: 0.004 min
Response: 332766879
Conc: 59.53 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: 0.000 min
Response: 2257481677
Conc: 50.61 ng/ml



#5 Aldrin

R.T.: 5.268 min
Delta R.T.: 0.004 min
Response: 331500646
Conc: 50.63 ng/ml

Instrument :

ECD_D

ClientSampleId :

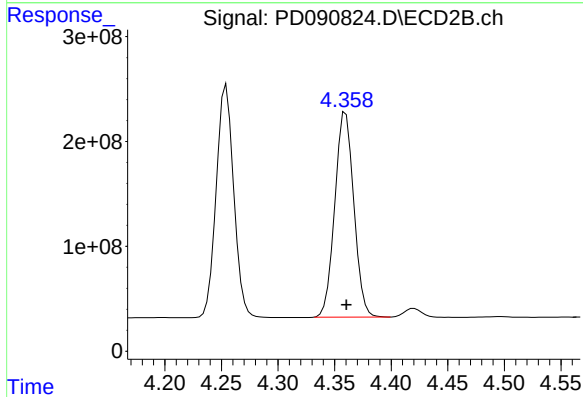
PSTDCCC050

Manual Integrations

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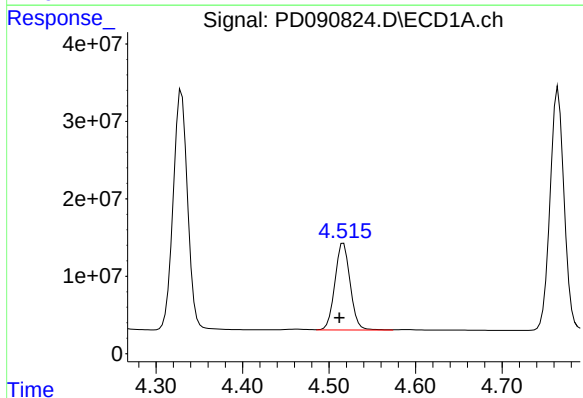
Reviewed By :Abdul Mirza 10/27/2025

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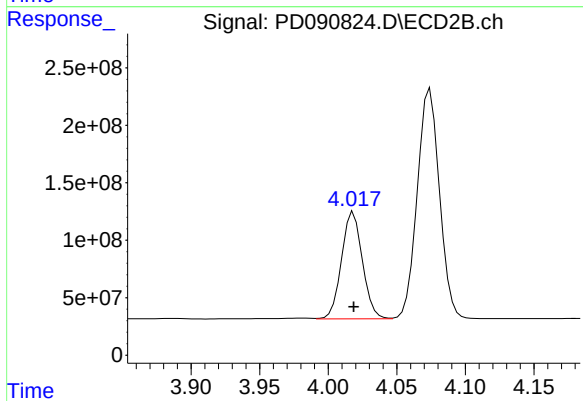
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 2286688455
Conc: 49.37 ng/ml



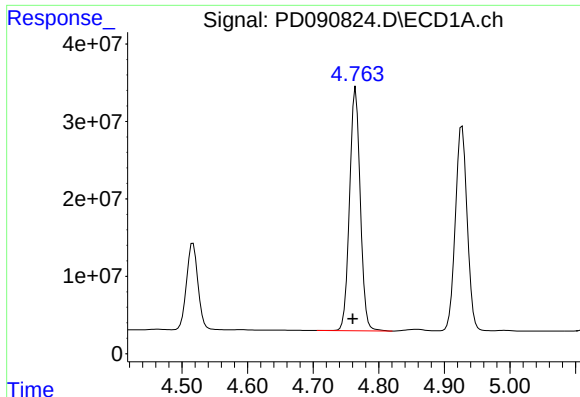
#6 beta-BHC

R.T.: 4.517 min
Delta R.T.: 0.005 min
Response: 136442714
Conc: 52.08 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 987700923
Conc: 49.81 ng/ml



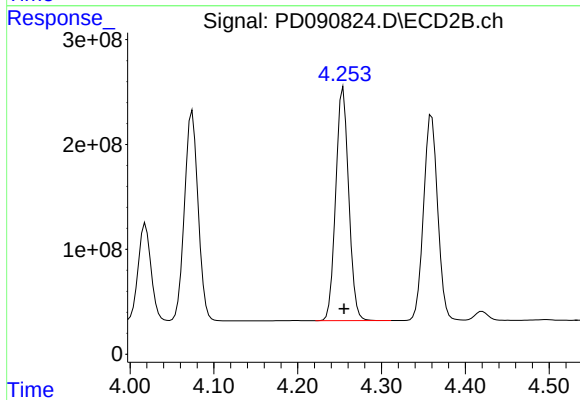
#7 delta-BHC

R.T.: 4.765 min
Delta R.T.: 0.005 min
Response: 355857317
Conc: 52.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

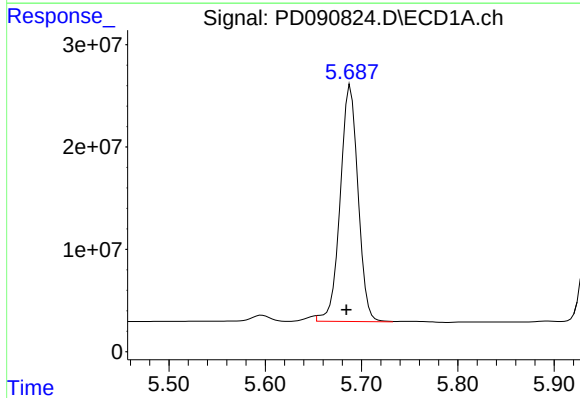
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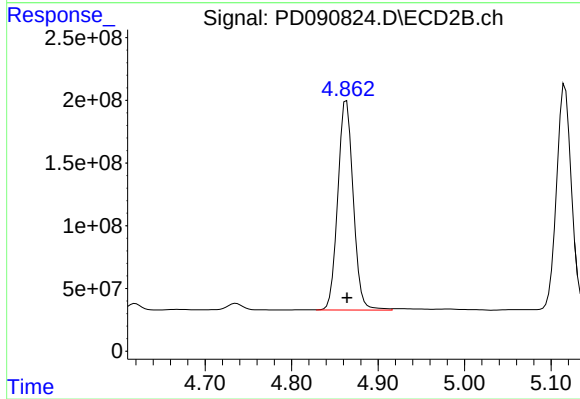
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: 0.000 min
Response: 2387594453
Conc: 50.04 ng/ml



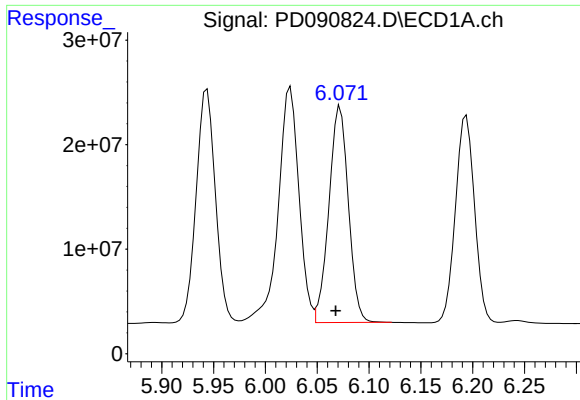
#8 Heptachlor epoxide

R.T.: 5.687 min
Delta R.T.: 0.003 min
Response: 295490314
Conc: 51.04 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: 0.000 min
Response: 2059163889
Conc: 48.29 ng/ml



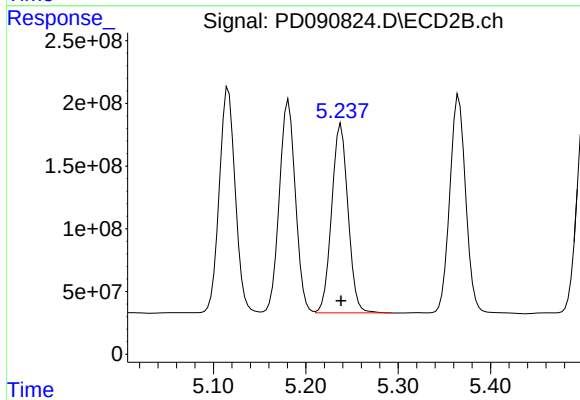
#9 Endosulfan I

R.T.: 6.072 min
Delta R.T.: 0.004 min
Response: 270395428
Conc: 48.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

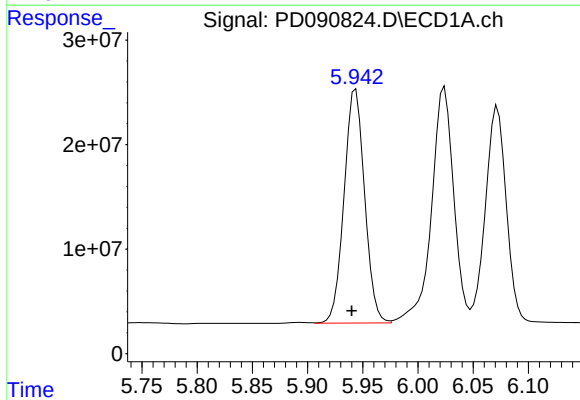
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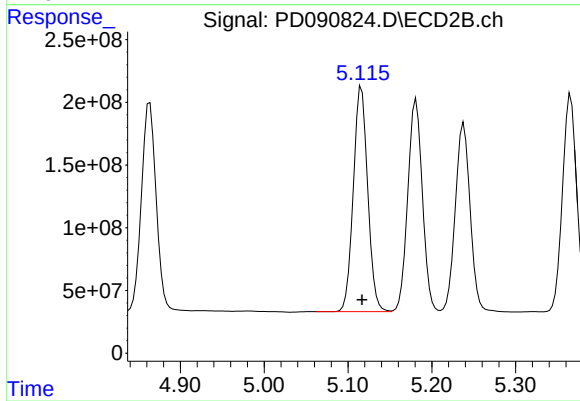
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1854325873
Conc: 47.08 ng/ml



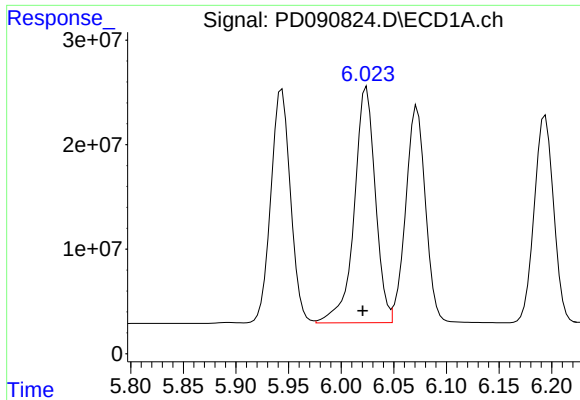
#10 gamma-Chlordane

R.T.: 5.944 min
Delta R.T.: 0.004 min
Response: 289615862
Conc: 48.83 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 2149215777
Conc: 47.81 ng/ml



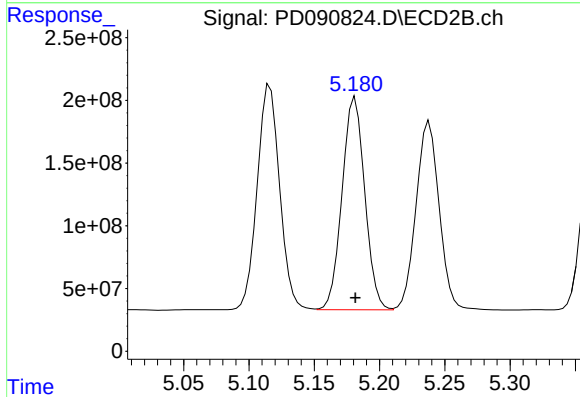
#11 alpha-Chlordane

R.T.: 6.024 min
Delta R.T.: 0.004 min
Response: 314447569
Conc: 50.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

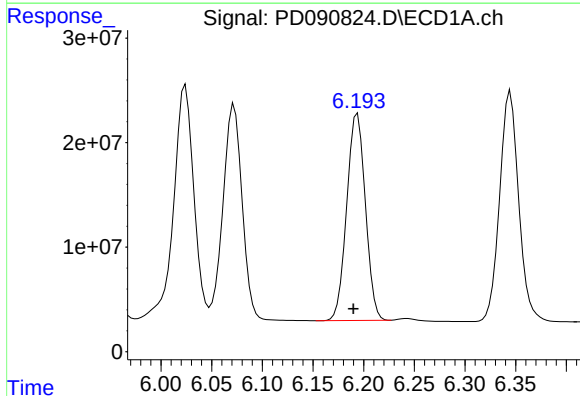
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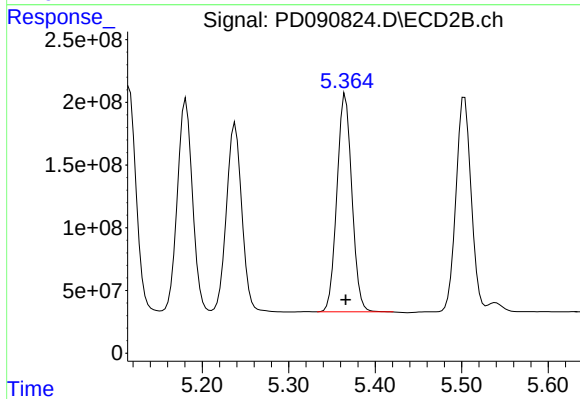
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 2050844940
Conc: 47.54 ng/ml



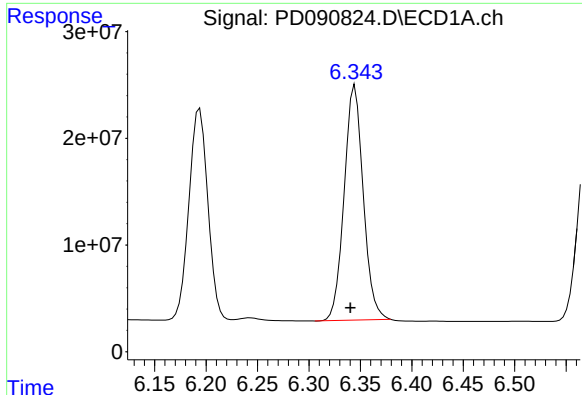
#12 4,4'-DDE

R.T.: 6.194 min
Delta R.T.: 0.004 min
Response: 253238360
Conc: 47.54 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 2075024035
Conc: 47.33 ng/ml



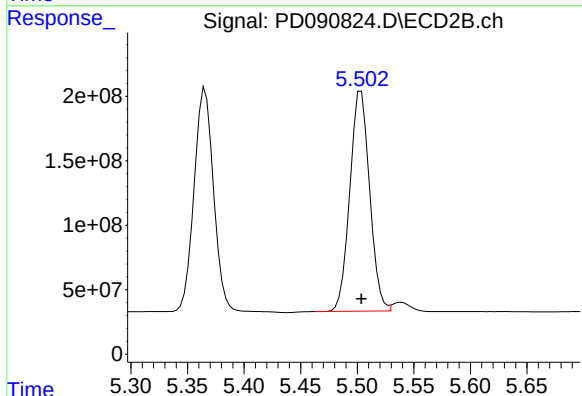
#13 Dieldrin

R.T.: 6.345 min
Delta R.T.: 0.004 min
Response: 284502279
Conc: 48.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

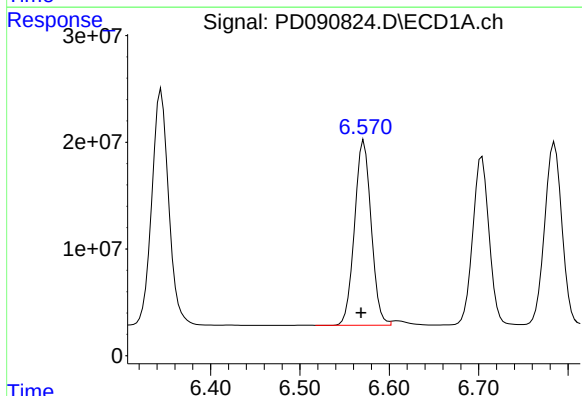
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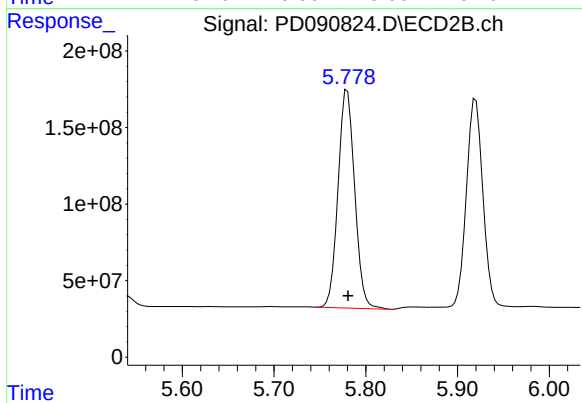
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 2077983180
Conc: 47.03 ng/ml



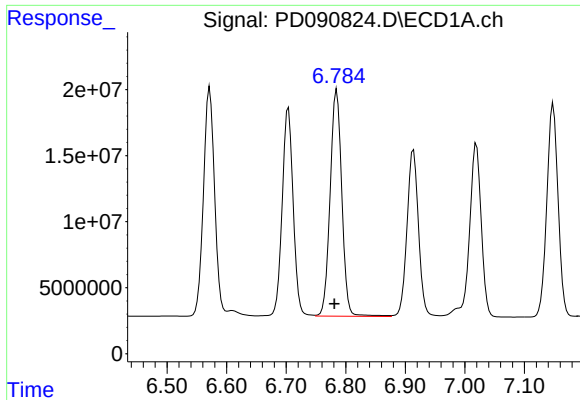
#14 Endrin

R.T.: 6.572 min
Delta R.T.: 0.004 min
Response: 223824292
Conc: 45.18 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1796701711
Conc: 44.37 ng/ml



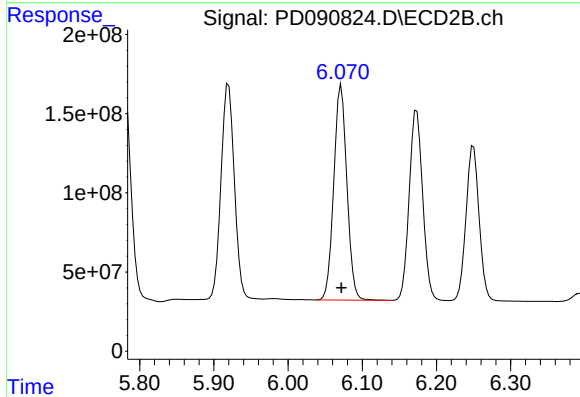
#15 Endosulfan II

R.T.: 6.785 min
Delta R.T.: 0.004 min
Response: 234140510
Conc: 46.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

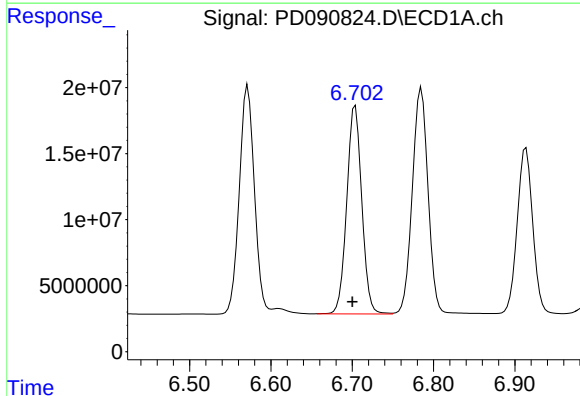
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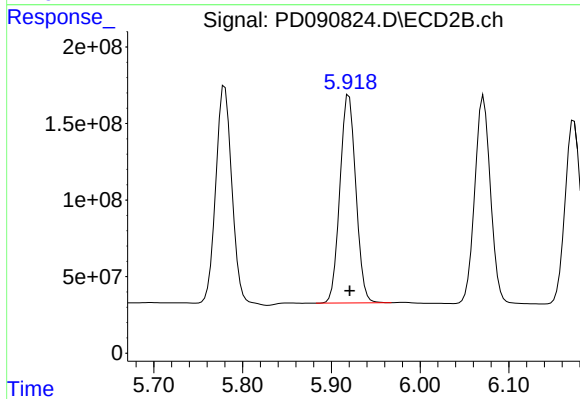
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1673755976
Conc: 44.57 ng/ml



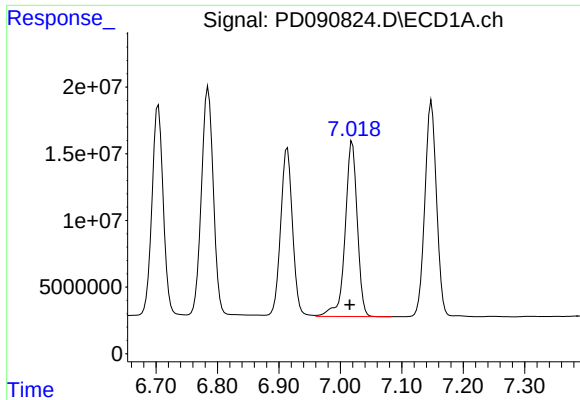
#16 4,4'-DDD

R.T.: 6.704 min
Delta R.T.: 0.004 min
Response: 201594673
Conc: 49.72 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 1696372854
Conc: 46.56 ng/ml



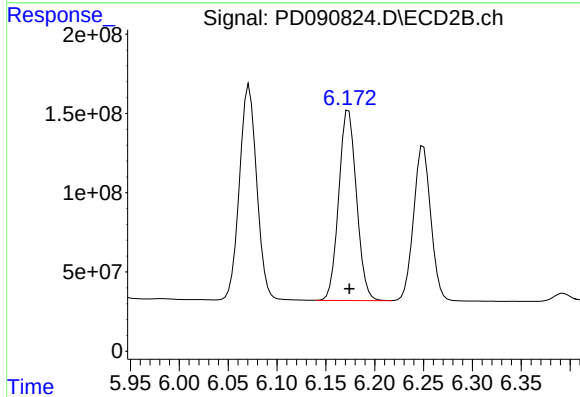
#17 4,4'-DDT

R.T.: 7.019 min
Delta R.T.: 0.004 min
Response: 180348186
Conc: 43.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

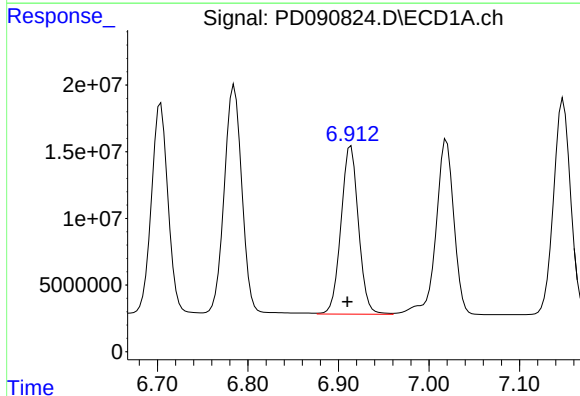
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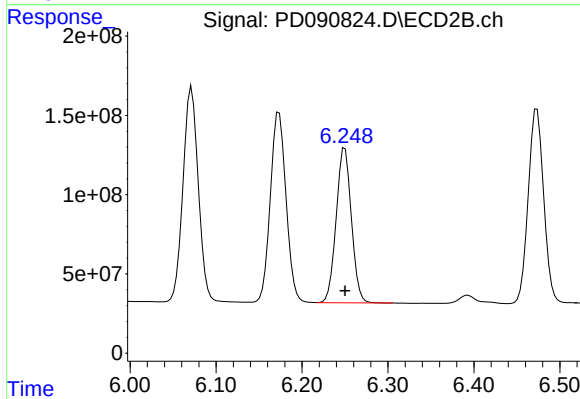
#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 1520822162
Conc: 43.36 ng/ml



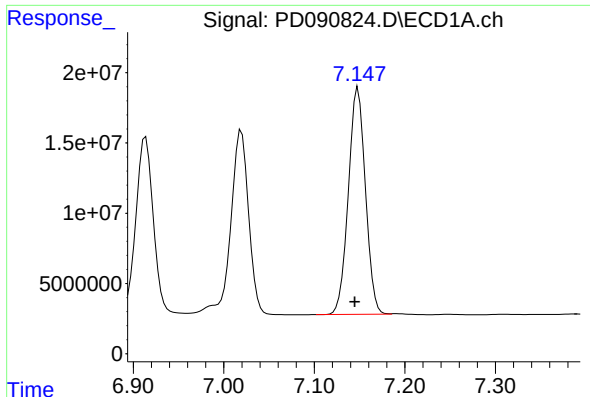
#18 Endrin aldehyde

R.T.: 6.914 min
Delta R.T.: 0.004 min
Response: 169488712
Conc: 46.27 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 1197685185
Conc: 43.25 ng/ml



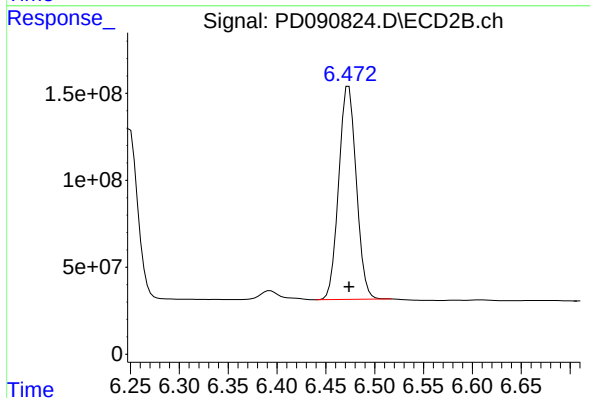
#19 Endosulfan Sulfate

R.T.: 7.148 min
Delta R.T.: 0.004 min
Response: 211599616
Conc: 45.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

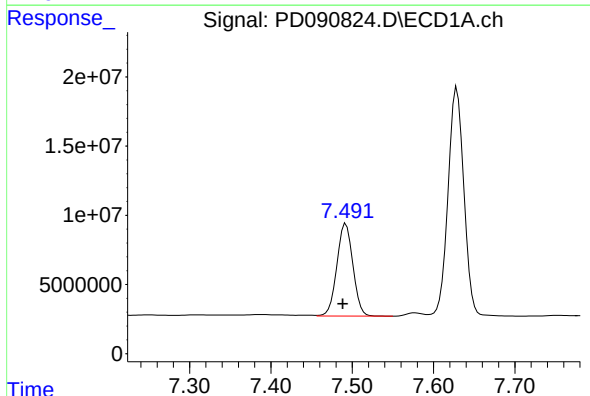
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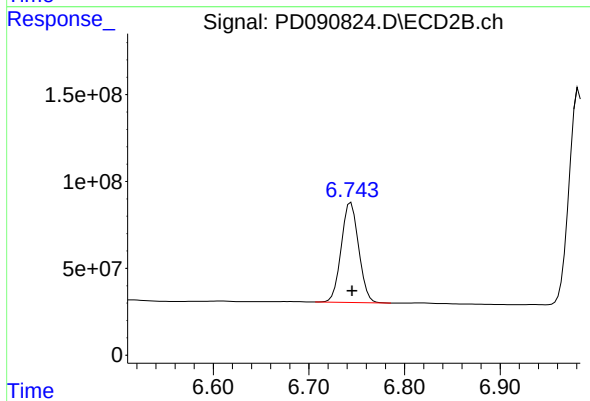
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1536560752
Conc: 42.87 ng/ml



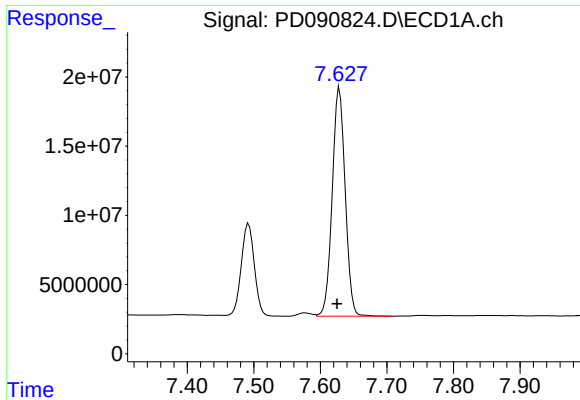
#20 Methoxychlor

R.T.: 7.492 min
Delta R.T.: 0.004 min
Response: 91534616
Conc: 43.06 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.001 min
Response: 729346988
Conc: 41.85 ng/ml



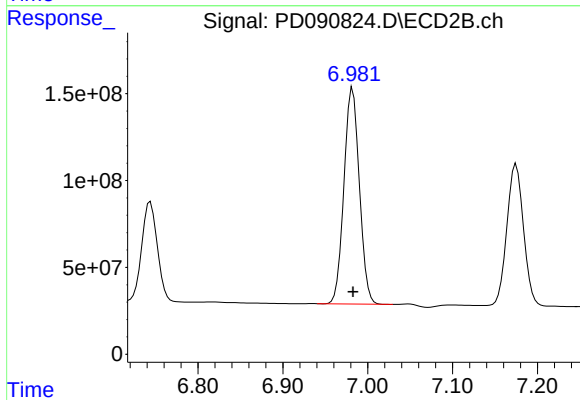
#21 Endrin ketone

R.T.: 7.629 min
Delta R.T.: 0.004 min
Response: 223711994
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

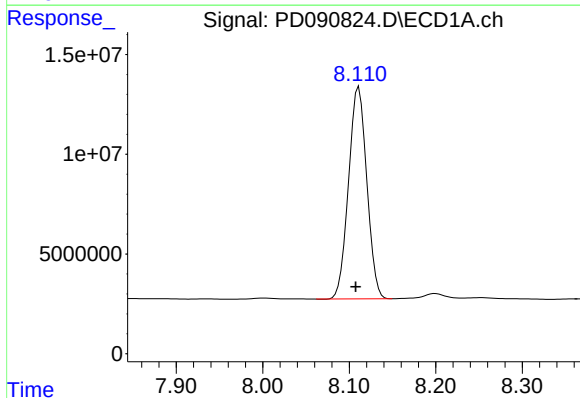
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



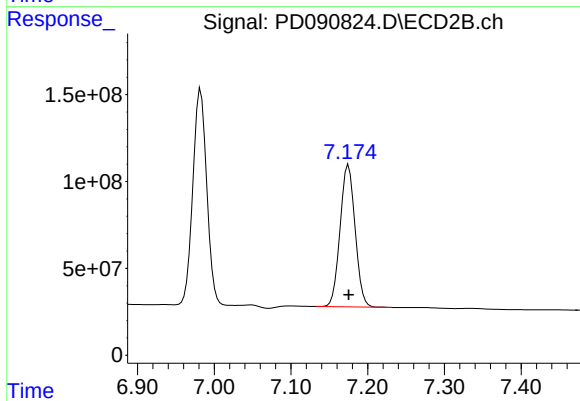
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1569407204
Conc: 41.61 ng/ml



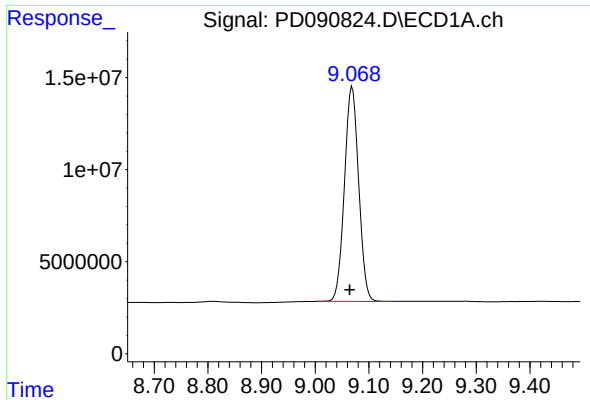
#22 Mirex

R.T.: 8.111 min
Delta R.T.: 0.004 min
Response: 155564089
Conc: 48.60 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1114644700
Conc: 43.39 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.069 min
Delta R.T.: 0.005 min
Response: 215306456
Conc: 46.03 ng/ml

Instrument :

ECD_D

ClientSampleId :

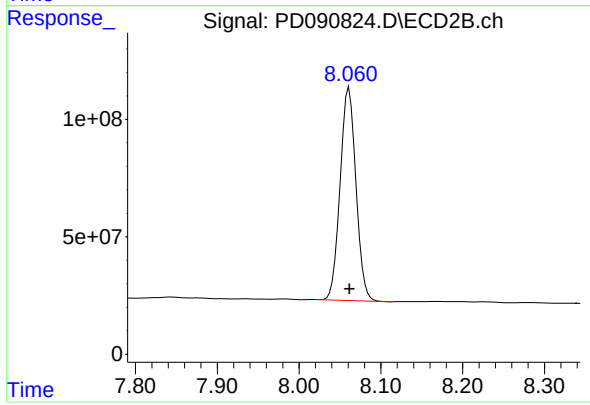
PSTDCCC050

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: 0.000 min
Response: 1214523963
Conc: 40.09 ng/ml