

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090828.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 18:14
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 5 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 23:40:42 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...	3.544	2.874	178.9E6	1626.2E6	57.458	54.613
28)	SA Decachlor...	9.064	8.059	227.5E6	1304.2E6	48.641	43.054
Target Compounds							
2)	A alpha-BHC	3.994	3.386	418.6E6	2728.9E6	58.319	53.407
3)	MA gamma-BHC...	4.324	3.722	397.7E6	2554.3E6	58.501	54.061
4)	MA Heptachlor	4.922	4.074	373.6E6	2424.6E6	66.846	54.359
5)	MB Aldrin	5.263	4.359	373.6E6	2483.1E6	57.063	53.609
6)	B beta-BHC	4.511	4.018	148.9E6	1060.8E6	56.835	53.496
7)	B delta-BHC	4.760	4.254	398.7E6	2582.2E6	58.968	54.115
8)	B Heptachlo...	5.682	4.862	325.3E6	2257.7E6	56.189m	52.950
9)	A Endosulfan I	6.067	5.237	303.9E6	2030.7E6	54.881	51.552
10)	B gamma-Chl...	5.939	5.115	325.5E6	2390.0E6	54.884	53.172
11)	B alpha-Chl...	6.020	5.180	340.0E6	2277.4E6	55.016	52.794
12)	B 4,4'-DDE	6.189	5.364	289.8E6	2304.8E6	54.406	52.574
13)	MA Dieldrin	6.340	5.502	327.6E6	2304.4E6	56.179	52.154
14)	MA Endrin	6.567	5.779	252.7E6	2070.9E6	51.007	51.140
15)	B Endosulfa...	6.780	6.070	252.8E6	1906.5E6	50.555	50.764
16)	A 4,4'-DDD	6.699	5.918	227.5E6	1939.7E6	56.113	53.232
17)	MA 4,4'-DDT	7.014	6.172	199.8E6	1720.3E6	48.608	49.050
18)	B Endrin al...	6.909	6.248	183.3E6	1352.7E6	50.059	48.848
19)	B Endosulfa...	7.143	6.472	230.1E6	1683.0E6	49.600	46.953
20)	A Methoxychlor	7.487	6.743	99918008	790.6E6	47.007	45.364
21)	B Endrin ke...	7.624	6.981	250.0E6	1746.8E6	51.456	46.312
22)	Mirex	8.106	7.173	165.9E6	1222.4E6	51.832	47.582

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
Data File : PD090828.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 18:14
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

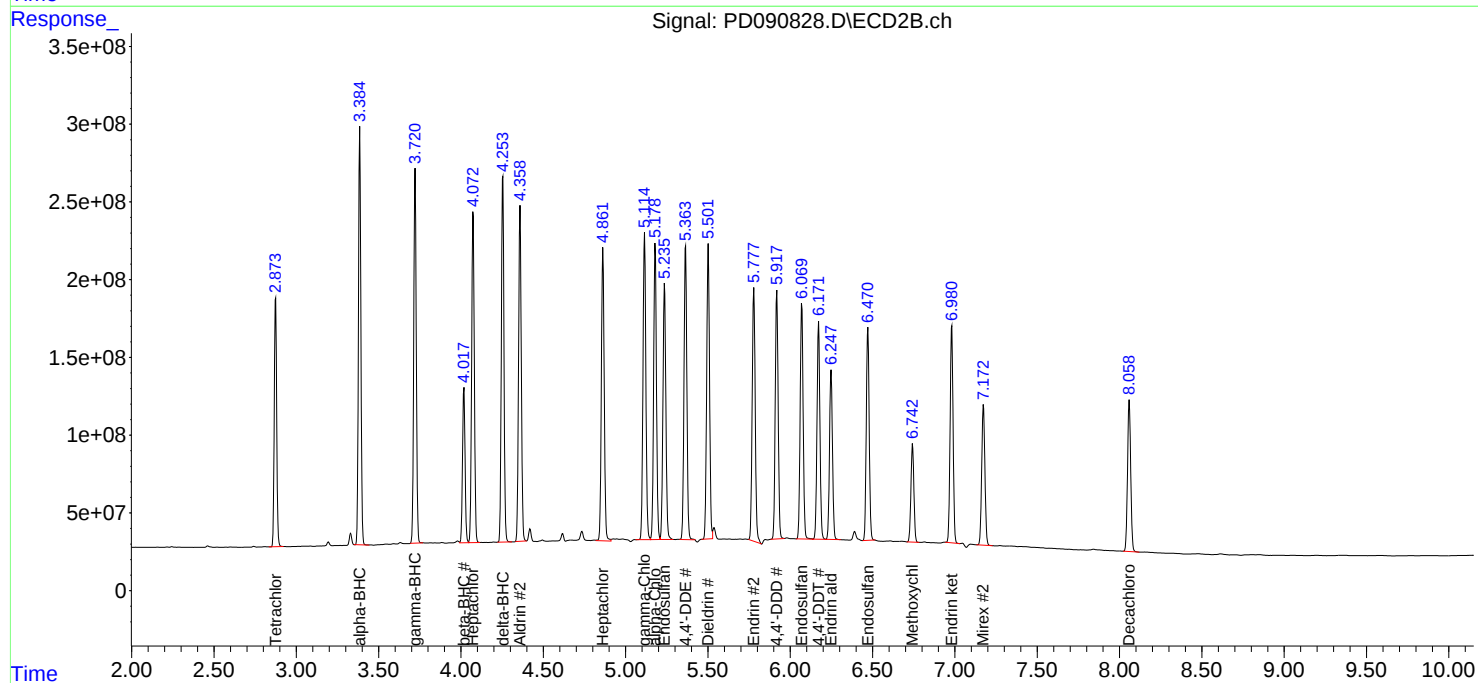
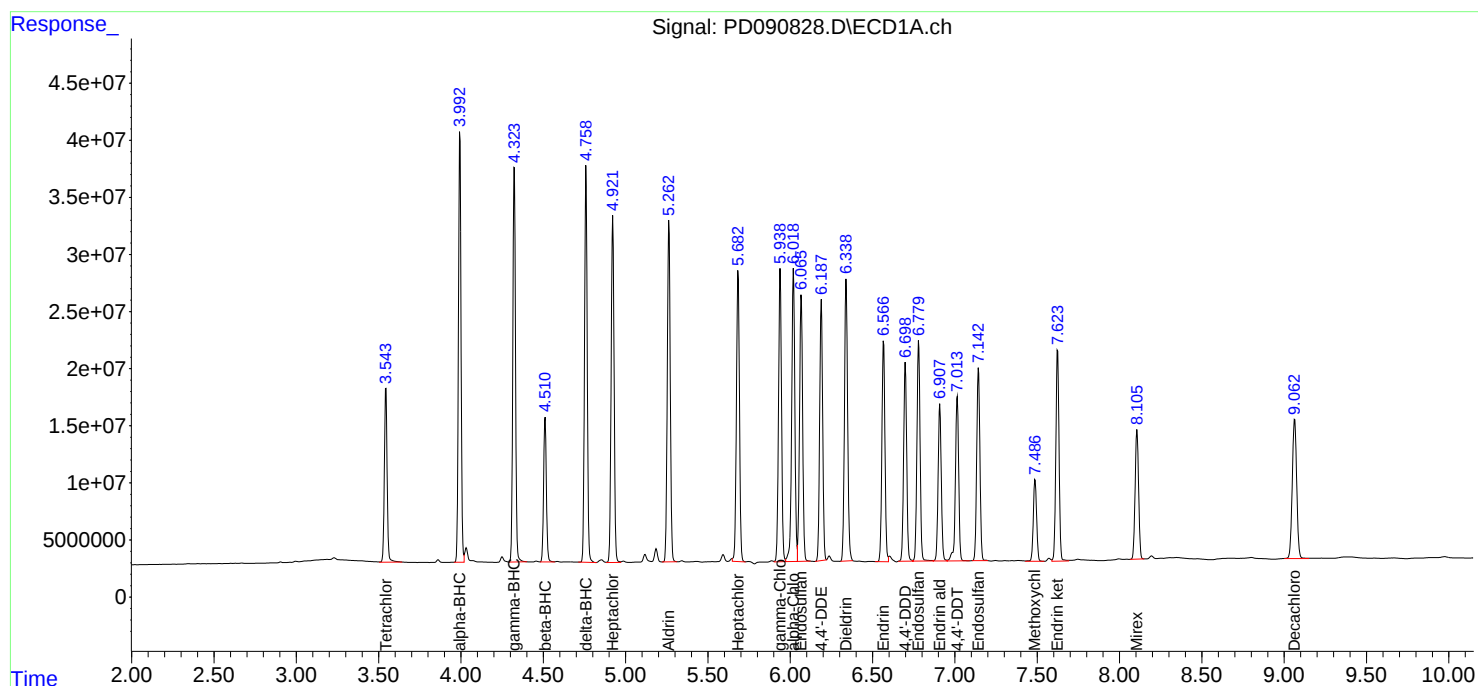
APPROVED

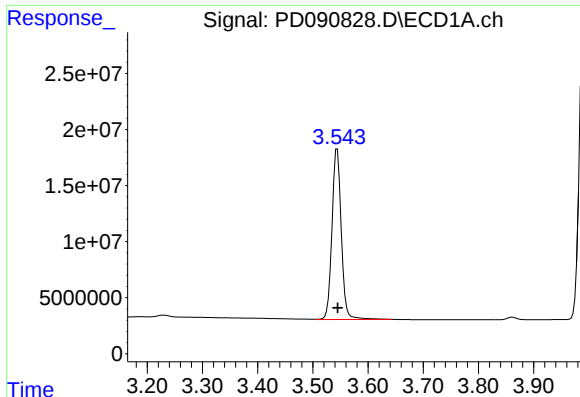
Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:40:42 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.: 3.544 min
Delta R.T.: 0.000 min
Response: 178933536
Conc: 57.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

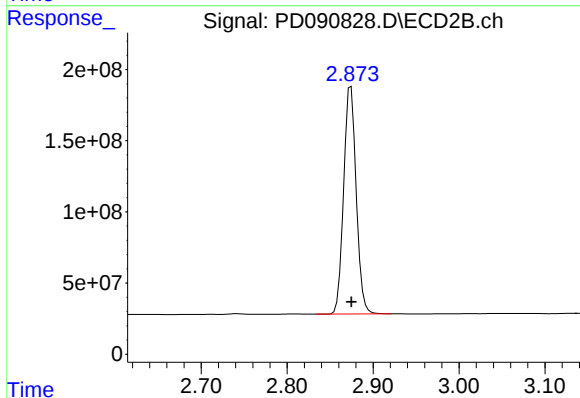
PSTDCCC050

Manual Integrations

APPROVED

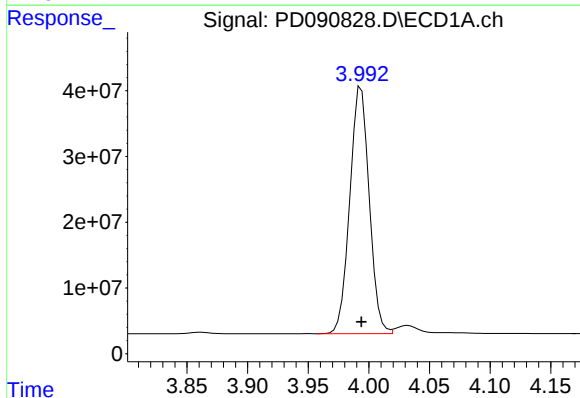
Reviewed By :Abdul Mirza 10/27/2025

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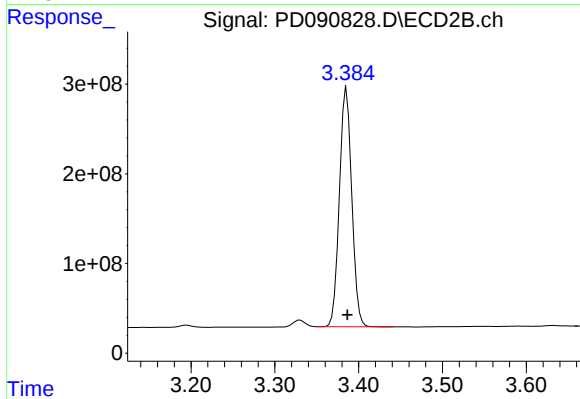
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 1626221620
Conc: 54.61 ng/ml



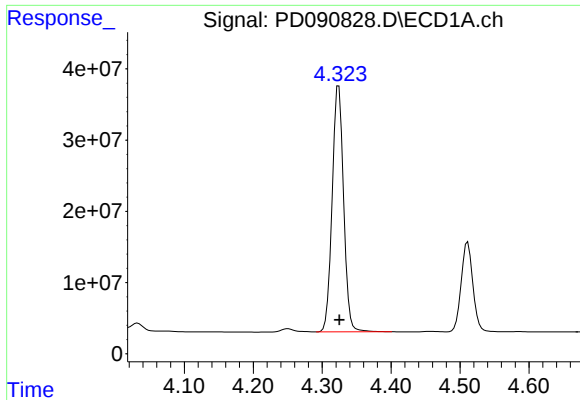
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 418560534
Conc: 58.32 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 2728896269
Conc: 53.41 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 397734778
Conc: 58.50 ng/ml

Instrument :

ECD_D

ClientSampleId :

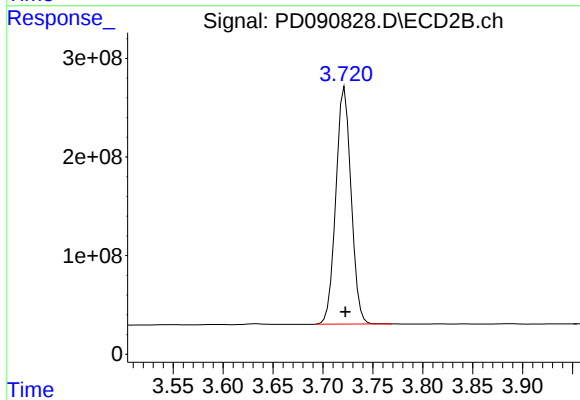
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Manual Integrations

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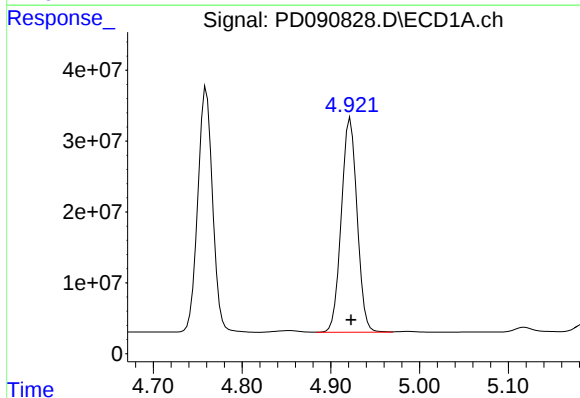
Reviewed By :Abdul Mirza 10/27/2025

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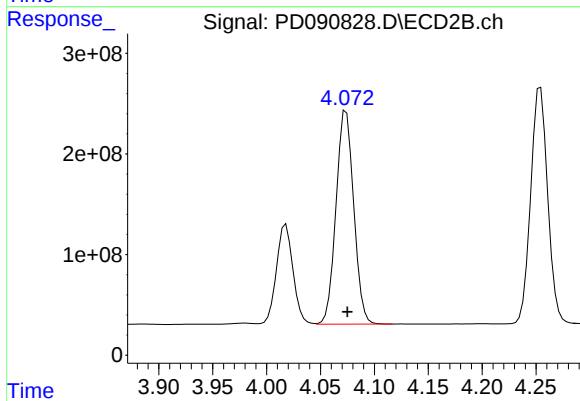
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 2554318556
Conc: 54.06 ng/ml



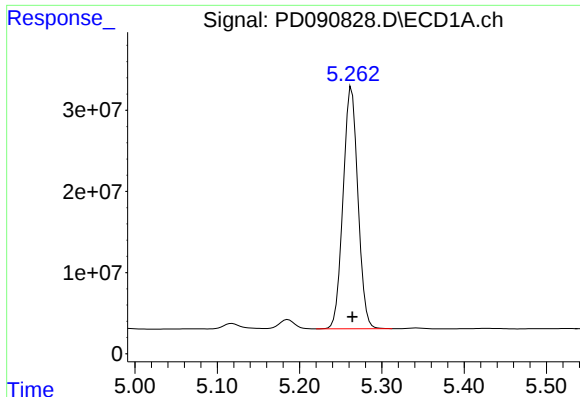
#4 Heptachlor

R.T.: 4.922 min
Delta R.T.: 0.000 min
Response: 373639893
Conc: 66.85 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2424557071
Conc: 54.36 ng/ml



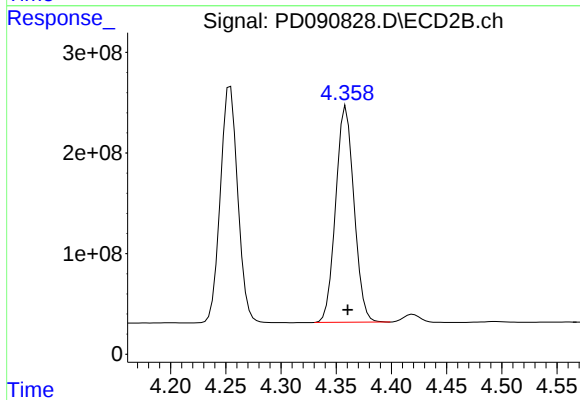
#5 Aldrin

R.T.: 5.263 min
Delta R.T.: -0.001 min
Response: 373604161
Conc: 57.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

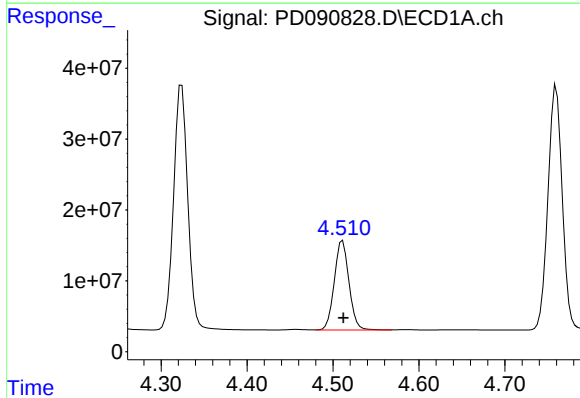
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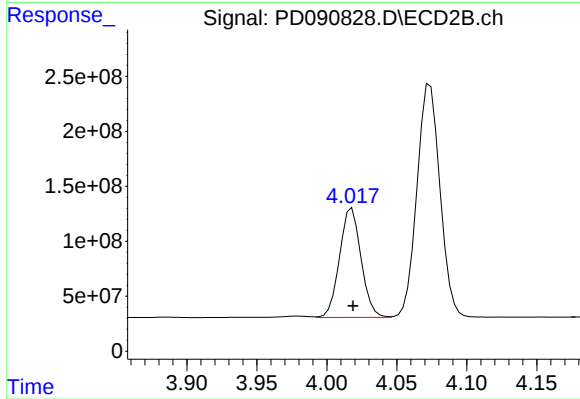
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2483127875
Conc: 53.61 ng/ml



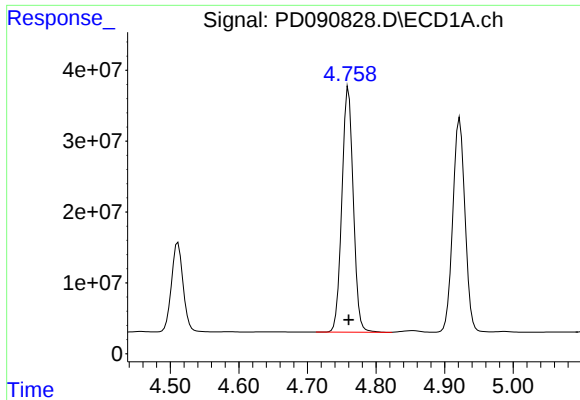
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 148885624
Conc: 56.83 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 1060811122
Conc: 53.50 ng/ml



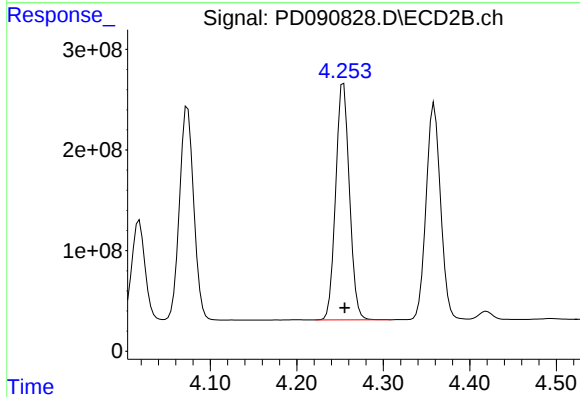
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 398722988
Conc: 58.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

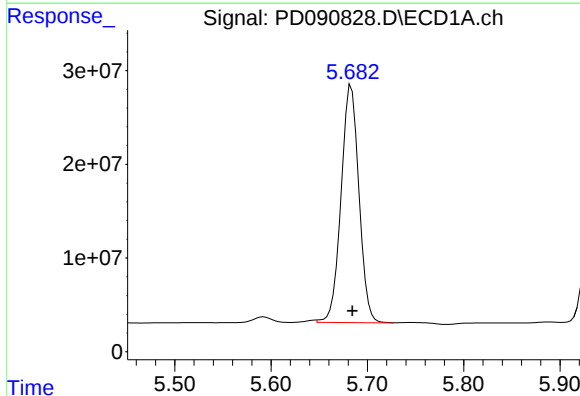
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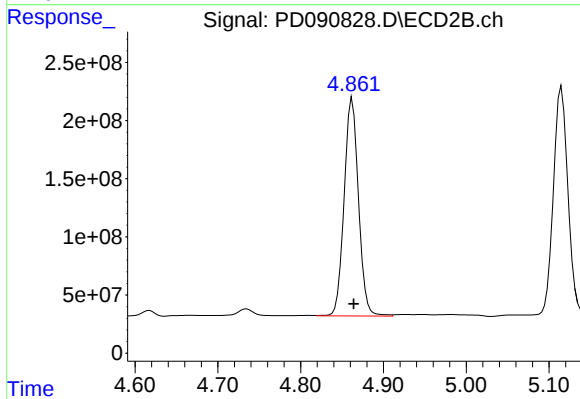
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2582188949
Conc: 54.12 ng/ml



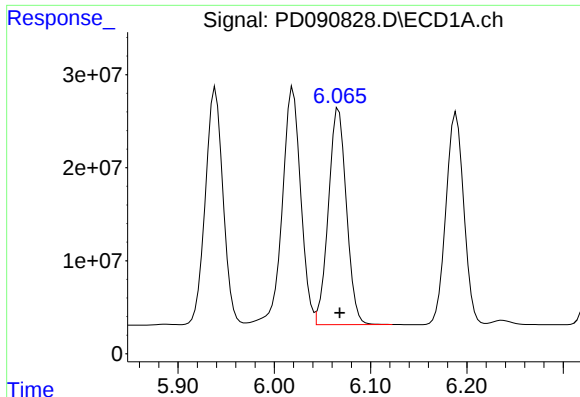
#8 Heptachlor epoxide

R.T.: 5.682 min
Delta R.T.: -0.002 min
Response: 325283765
Conc: 56.19 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2257748918
Conc: 52.95 ng/ml



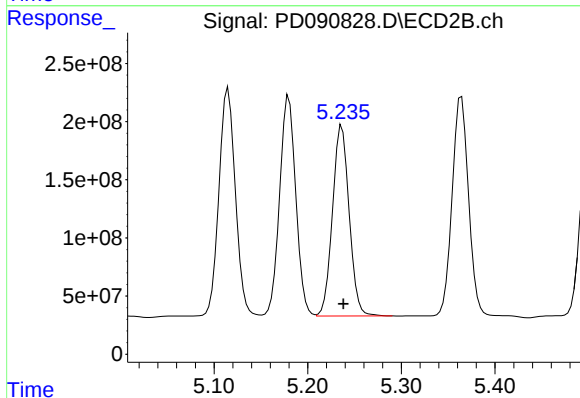
#9 Endosulfan I

R.T.: 6.067 min
Delta R.T.: -0.001 min
Response: 303854237
Conc: 54.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

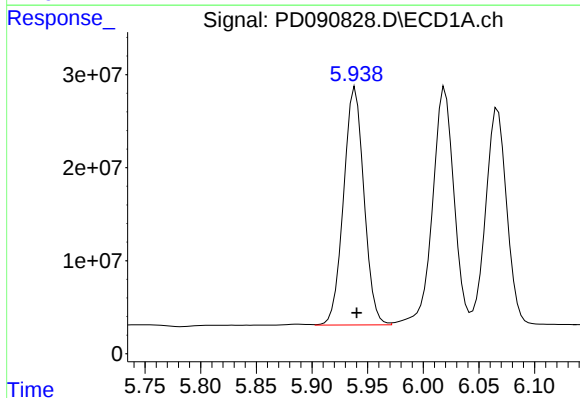
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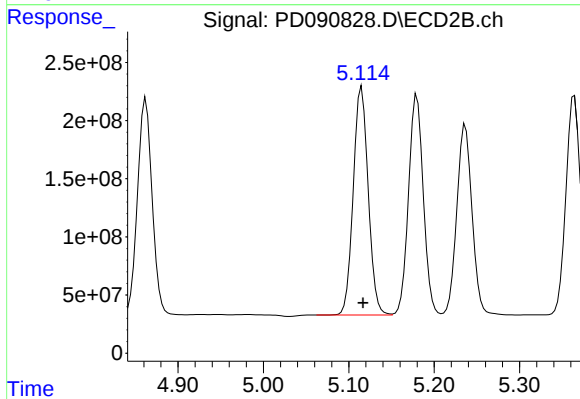
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.002 min
Response: 2030668595
Conc: 51.55 ng/ml



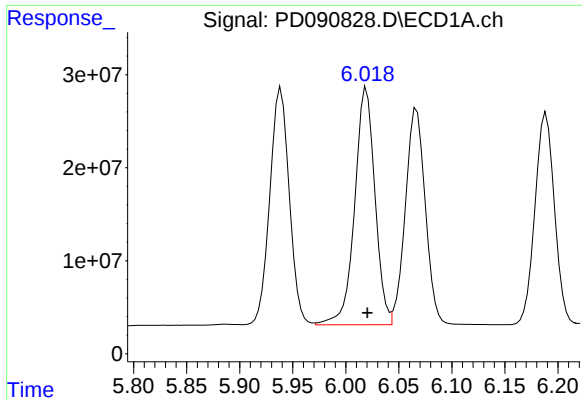
#10 gamma-Chlordane

R.T.: 5.939 min
Delta R.T.: -0.001 min
Response: 325524274
Conc: 54.88 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2390017218
Conc: 53.17 ng/ml



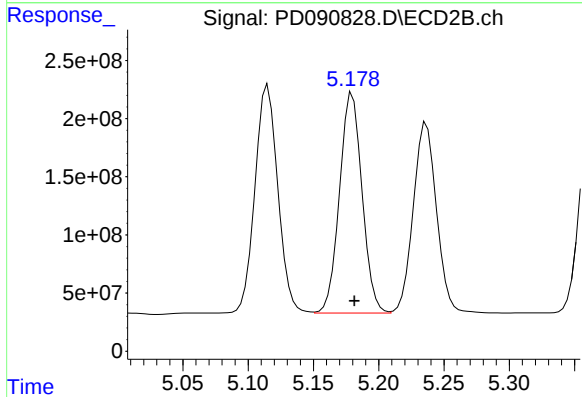
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.001 min
Response: 340009896
Conc: 55.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

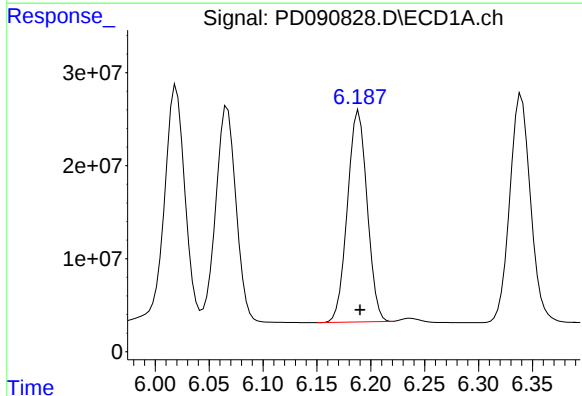
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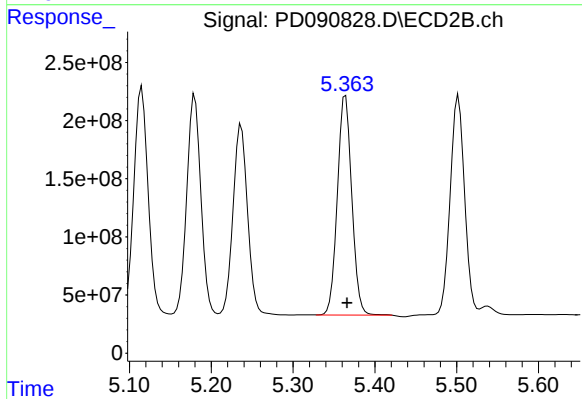
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.002 min
Response: 2277432295
Conc: 52.79 ng/ml



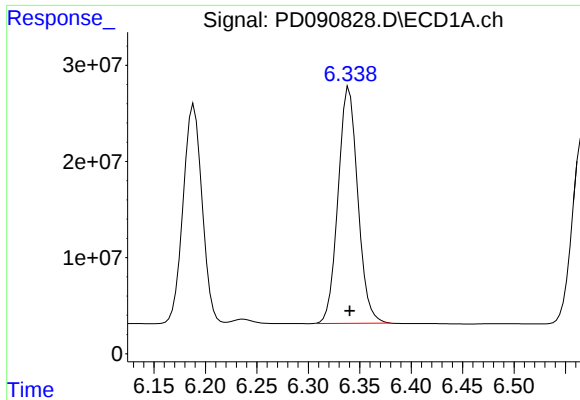
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: -0.001 min
Response: 289802274
Conc: 54.41 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.002 min
Response: 2304764093
Conc: 52.57 ng/ml



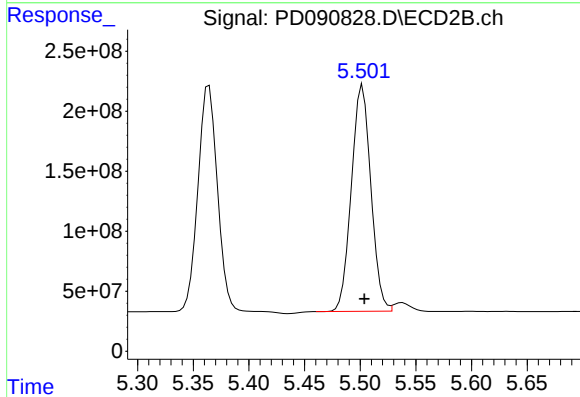
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 327597228
Conc: 56.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

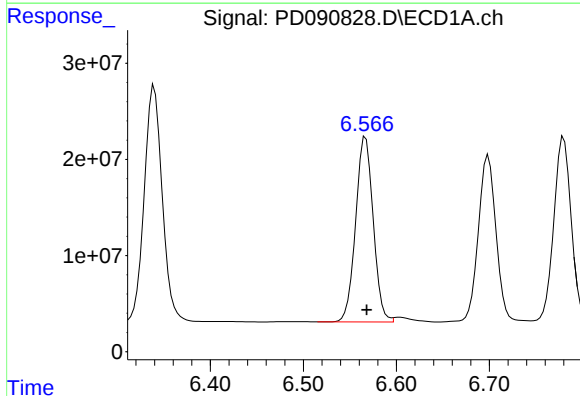
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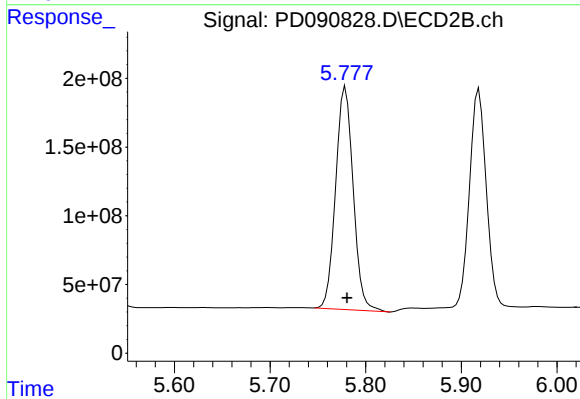
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2304392596
Conc: 52.15 ng/ml



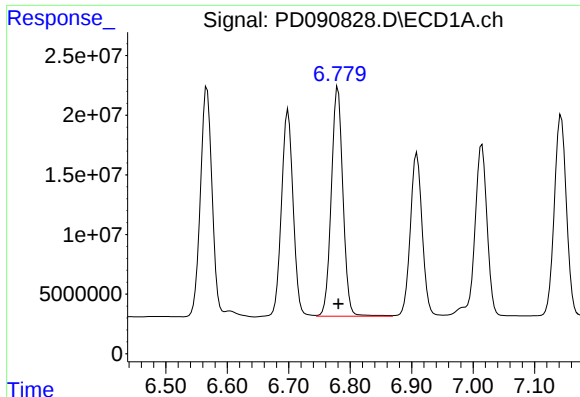
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.001 min
Response: 252672852
Conc: 51.01 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.002 min
Response: 2070861771
Conc: 51.14 ng/ml



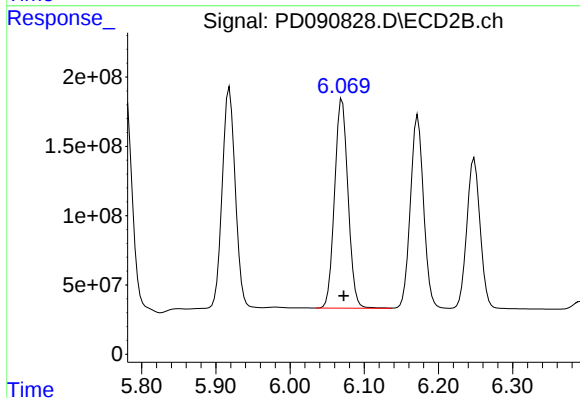
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: 0.000 min
Response: 252771754
Conc: 50.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

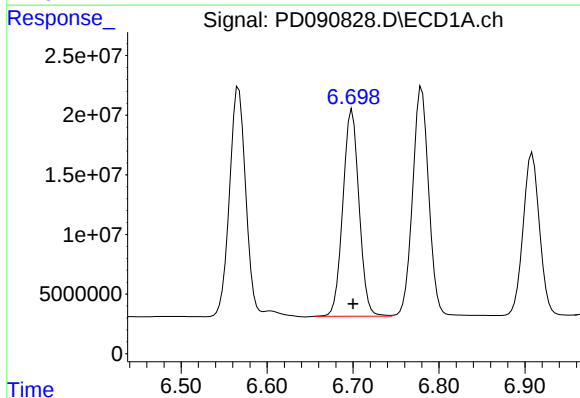
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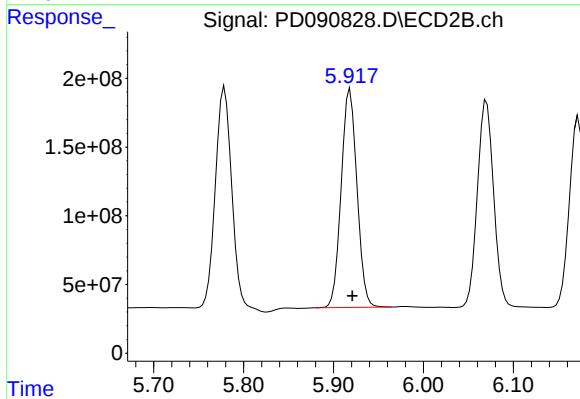
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1906482775
Conc: 50.76 ng/ml



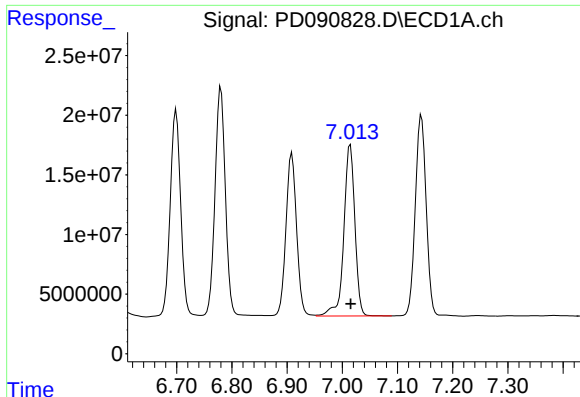
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.001 min
Response: 227492636
Conc: 56.11 ng/ml



#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: -0.002 min
Response: 1939654502
Conc: 53.23 ng/ml



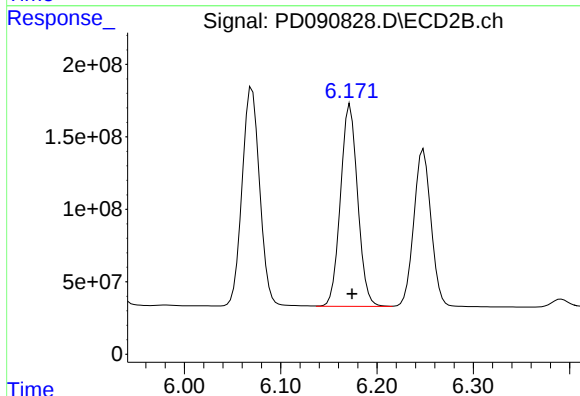
#17 4,4'-DDT

R.T.: 7.014 min
Delta R.T.: 0.000 min
Response: 199803130
Conc: 48.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

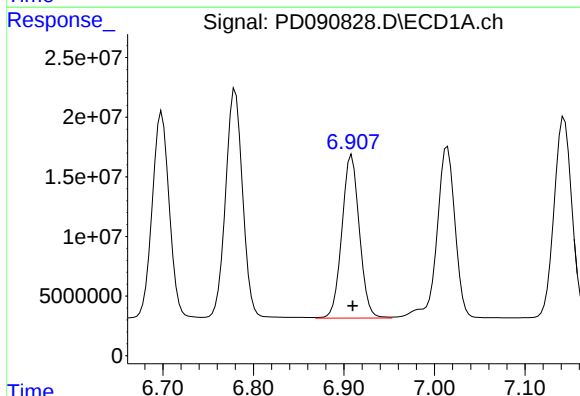
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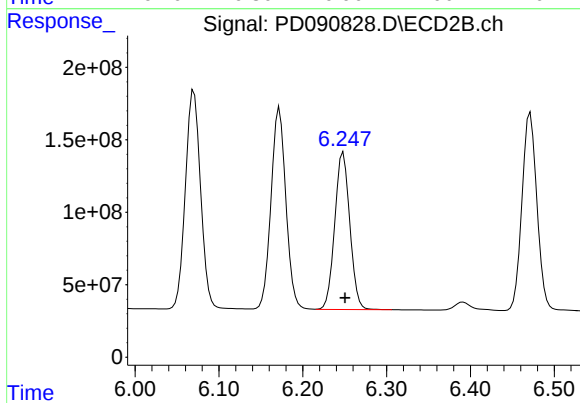
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1720319940
Conc: 49.05 ng/ml



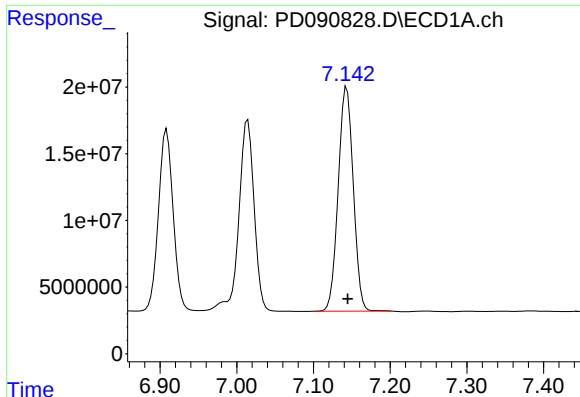
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.001 min
Response: 183349828
Conc: 50.06 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1352740597
Conc: 48.85 ng/ml



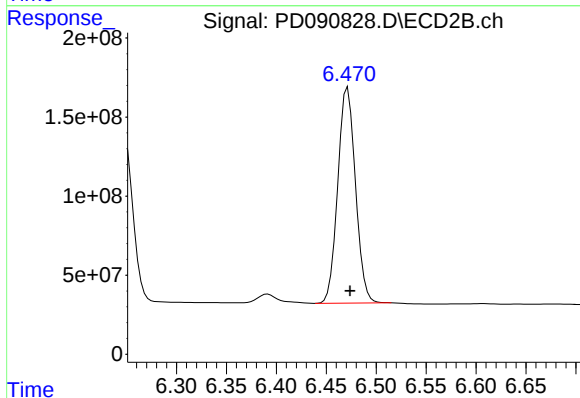
#19 Endosulfan Sulfate

R.T.: 7.143 min
Delta R.T.: -0.002 min
Response: 230056512
Conc: 49.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

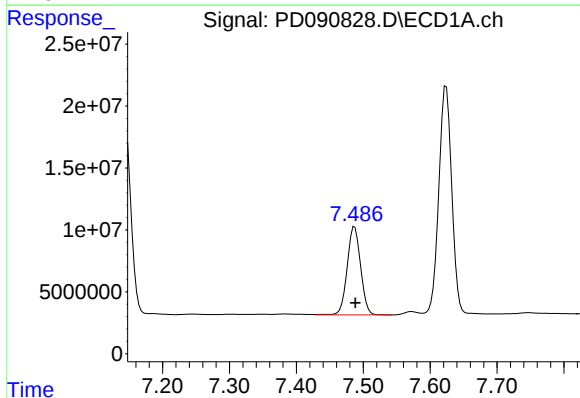
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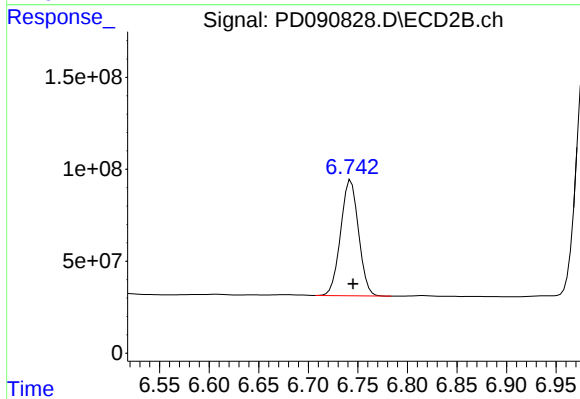
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1683042542
Conc: 46.95 ng/ml



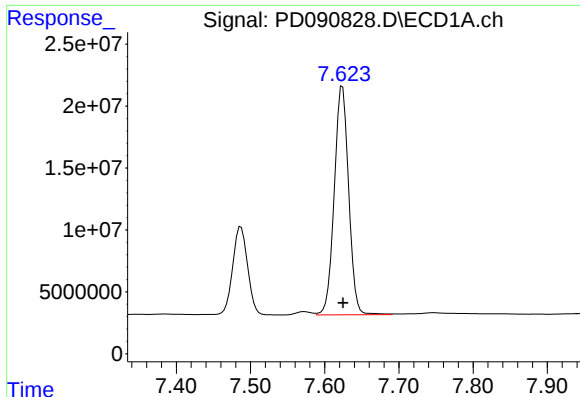
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.001 min
Response: 99918008
Conc: 47.01 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 790592534
Conc: 45.36 ng/ml



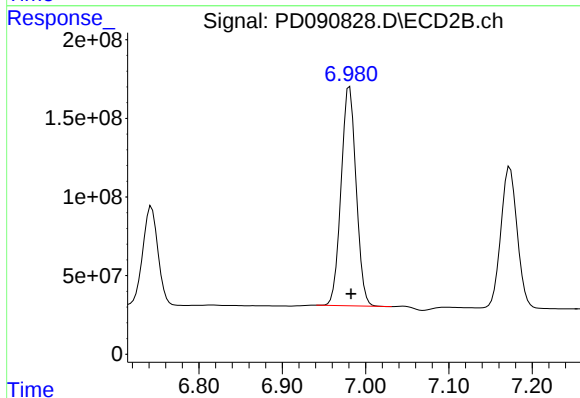
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 250017954
Conc: 51.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

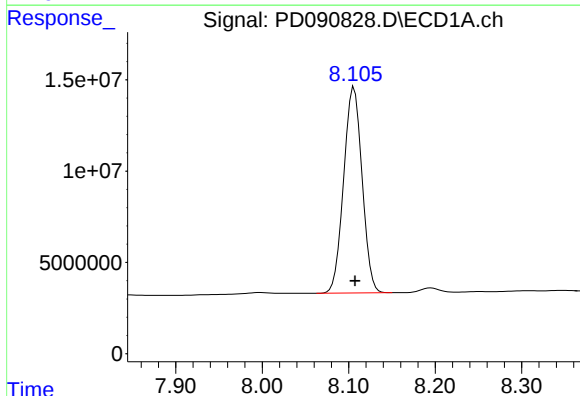
Manual Integrations
APPROVED

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



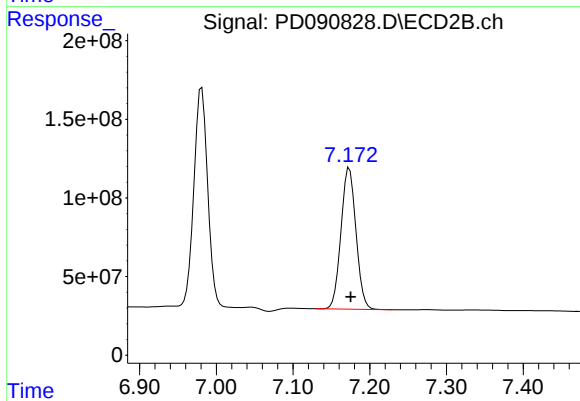
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.002 min
Response: 1746794594
Conc: 46.31 ng/ml



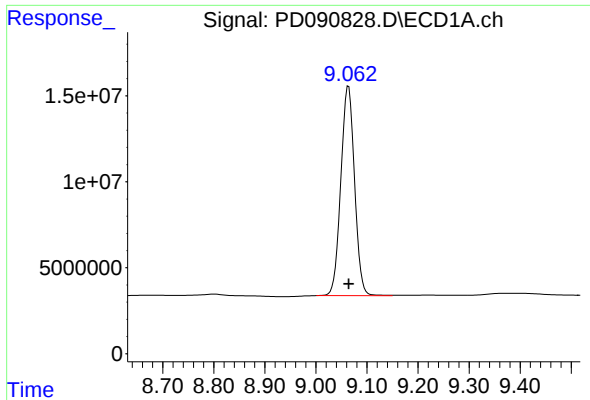
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.001 min
Response: 165905308
Conc: 51.83 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1222437828
Conc: 47.58 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 227540319
Conc: 48.64 ng/ml

Instrument :

ECD_D

ClientSampleId :

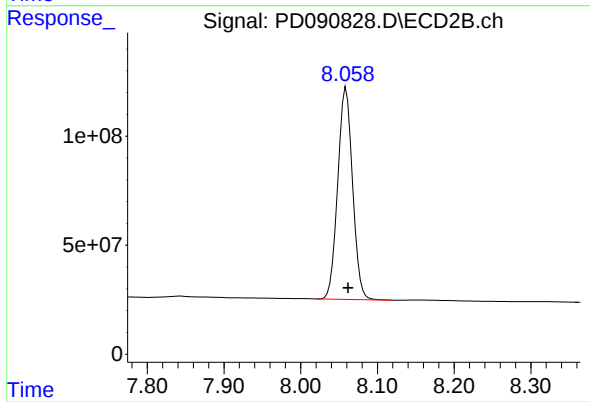
PSTDCCC050

Manual Integrations

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Reviewed By :Abdul Mirza 10/27/2025

Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.003 min
Response: 1304150365
Conc: 43.05 ng/ml