

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090418.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 14:24
 Operator : AR\AJ
 Sample : PSTDCCC050
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PSTDCCC050

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/30/2025
 Supervised By : mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:30:50 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...	3.552	2.874	161.5E6	1330.6E6	49.694	48.474
28)	SA Decachlor...	9.075	8.063	226.9E6	1413.0E6	47.017	43.590
Target Compounds							
2)	A alpha-BHC	4.002	3.386	387.4E6	2250.2E6	55.467	51.394
3)	MA gamma-BHC...	4.333	3.722	359.5E6	2069.9E6	54.338	50.814
4)	MA Heptachlor	4.931	4.075	365.0E6	2004.5E6	55.191	49.229
5)	MB Aldrin	5.273	4.361	343.9E6	2018.7E6	54.150	50.550
6)	B beta-BHC	4.520	4.019	132.5E6	852.3E6	51.358	49.165
7)	B delta-BHC	4.767	4.255	358.5E6	2076.1E6	55.521m	50.274
8)	B Heptachlo...	5.693	4.863	292.8E6	1955.1E6	51.227	53.035m
9)	A Endosulfan I	6.075	5.239	282.0E6	1726.6E6	52.213m	49.895
10)	B gamma-Chl...	5.949	5.117	298.0E6	1951.8E6	52.172	49.681
11)	B alpha-Chl...	6.028	5.182	297.9E6	1878.4E6	51.711m	49.871
12)	B 4,4'-DDE	6.198	5.367	283.6E6	1922.6E6	54.451	50.225
13)	MA Dieldrin	6.350	5.504	313.0E6	1912.7E6	54.291	49.111
14)	MA Endrin	6.577	5.781	269.4E6	1738.8E6	55.051	48.526
15)	B Endosulfa...	6.789	6.073	261.0E6	1677.1E6	53.513	49.691
16)	A 4,4'-DDD	6.708	5.921	218.6E6	1586.9E6	53.350m	48.935
17)	MA 4,4'-DDT	7.025	6.176	246.2E6	1708.8E6	55.304	49.705
18)	B Endrin al...	6.918	6.251	188.2E6	1214.7E6	54.847	51.587
19)	B Endosulfa...	7.153	6.474	242.0E6	1612.1E6	52.600	49.315
20)	A Methoxychlor	7.497	6.746	120.8E6	833.2E6	51.255	47.882
21)	B Endrin ke...	7.634	6.984	266.7E6	1675.0E6	53.901	46.396
22)	Mirex	8.115	7.176	166.2E6	1159.8E6	44.858m	42.012

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090418.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 14:24
Operator : AR\AJ
Sample : PSTDCCC050
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

PSTDCCC050

Manual Integrations

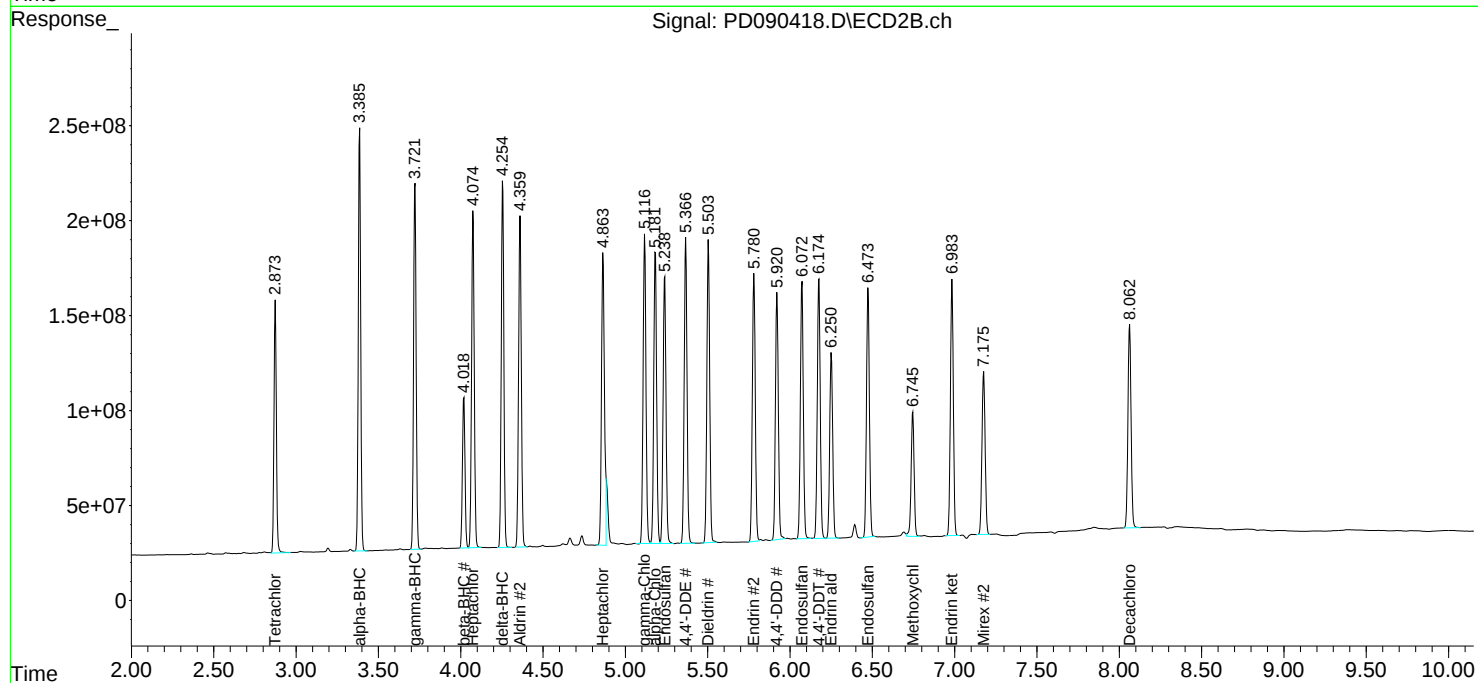
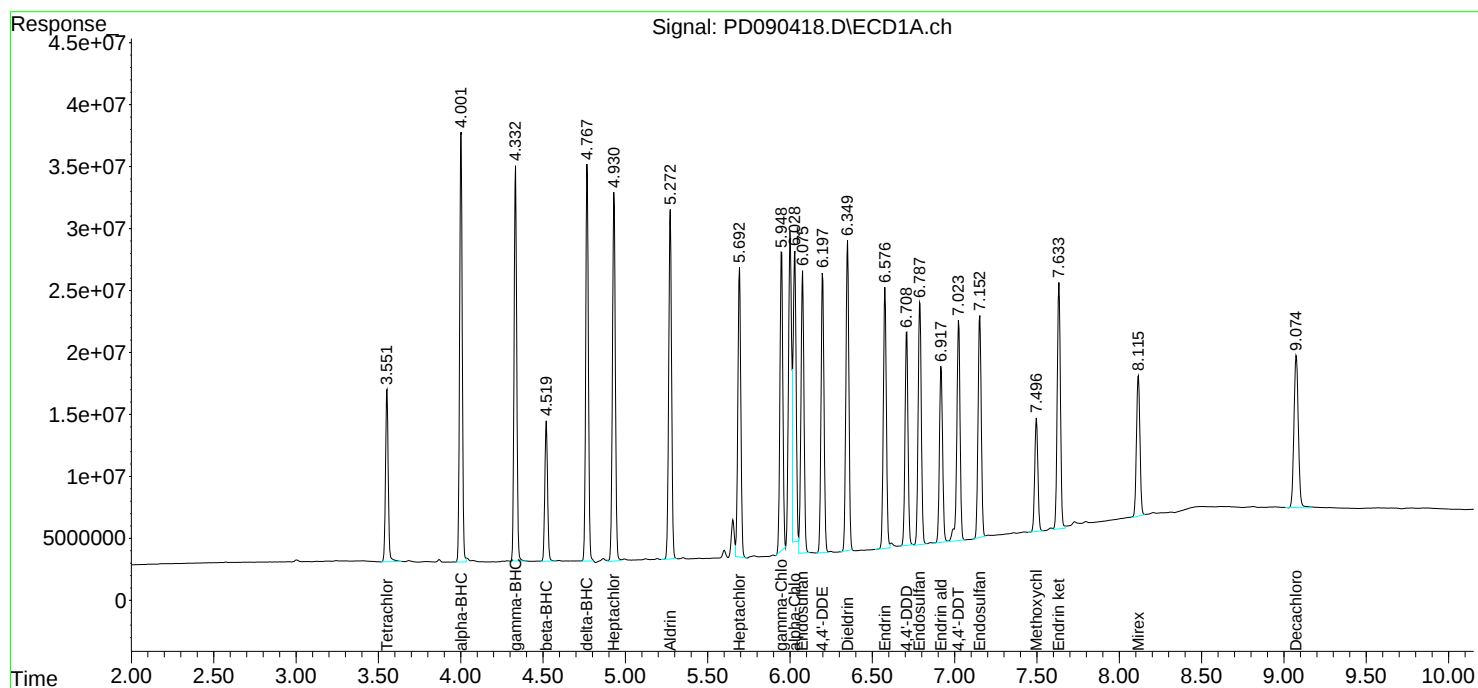
APPROVED

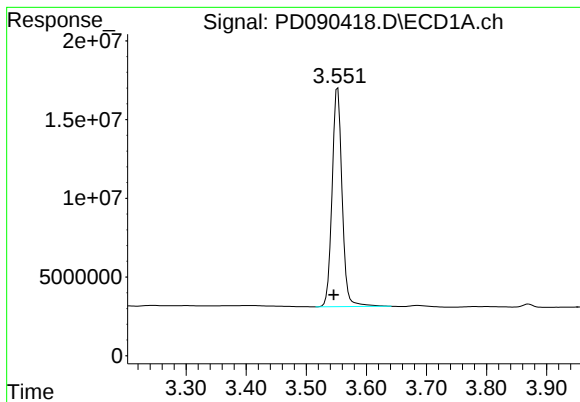
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:30:50 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





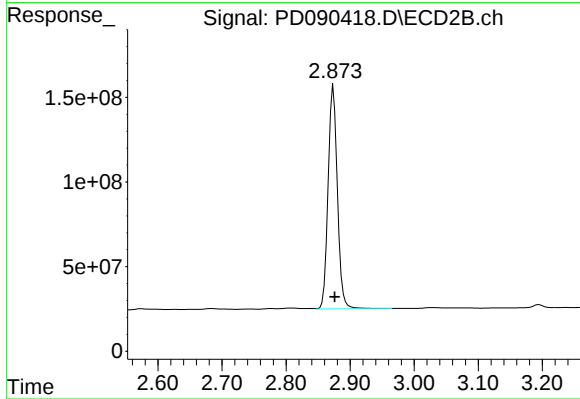
#1 Tetrachloro-m-xylene

R.T.: 3.552 min
Delta R.T.: 0.006 min
Response: 161528554
Conc: 49.69 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

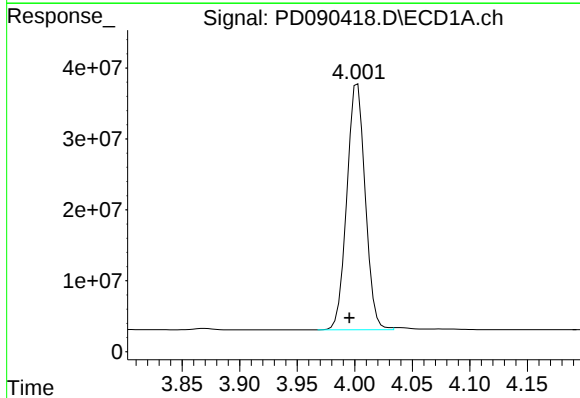
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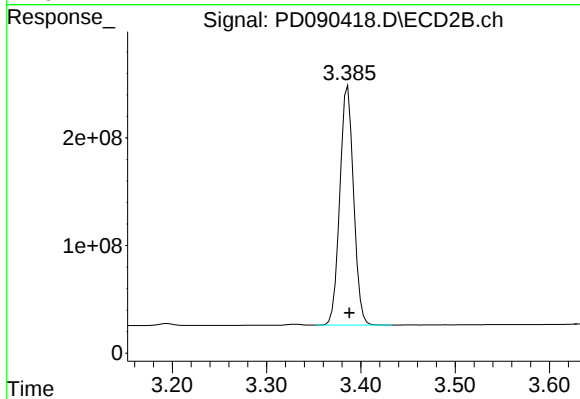
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 1330608614
Conc: 48.47 ng/ml



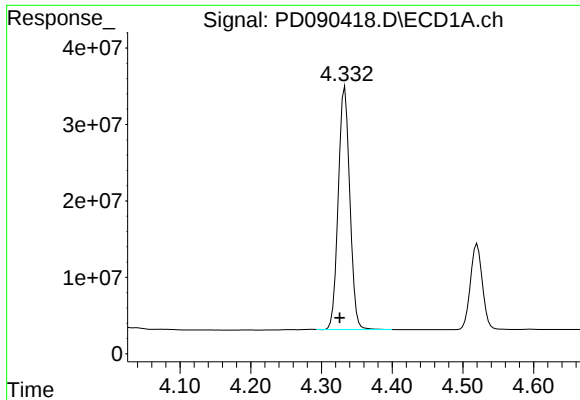
#2 alpha-BHC

R.T.: 4.002 min
Delta R.T.: 0.007 min
Response: 387413200
Conc: 55.47 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 2250201191
Conc: 51.39 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.007 min
Response: 359545370
Conc: 54.34 ng/ml

Instrument :

ECD_D

ClientSampleId :

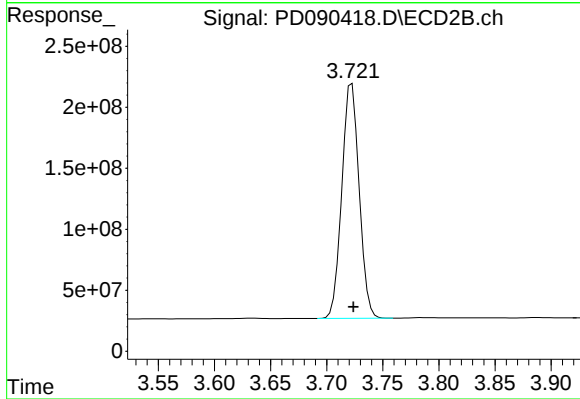
PSTDCCC050

Manual Integrations

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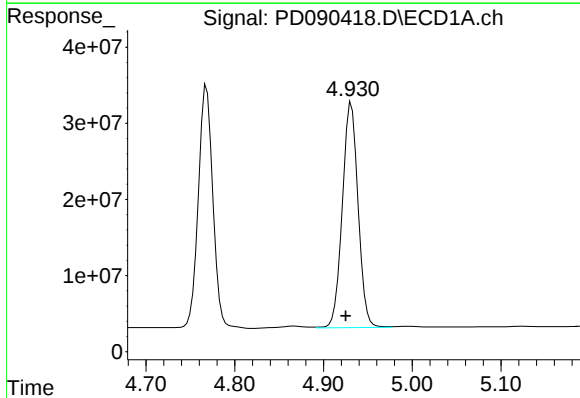
Reviewed By :Abdul Mirza 09/30/2025

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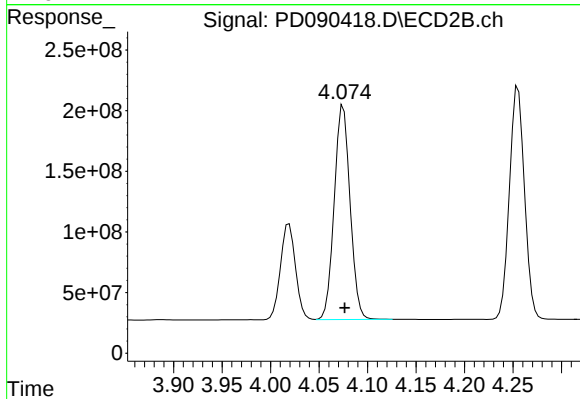
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 2069939337
Conc: 50.81 ng/ml



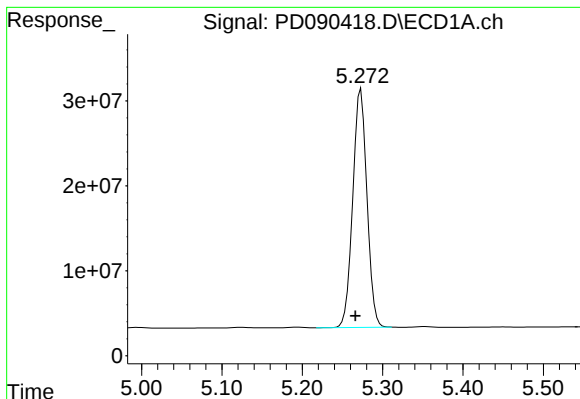
#4 Heptachlor

R.T.: 4.931 min
Delta R.T.: 0.006 min
Response: 364955460
Conc: 55.19 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 2004457323
Conc: 49.23 ng/ml



#5 Aldrin

R.T.: 5.273 min
Delta R.T.: 0.007 min
Response: 343852624
Conc: 54.15 ng/ml

Instrument :

ECD_D

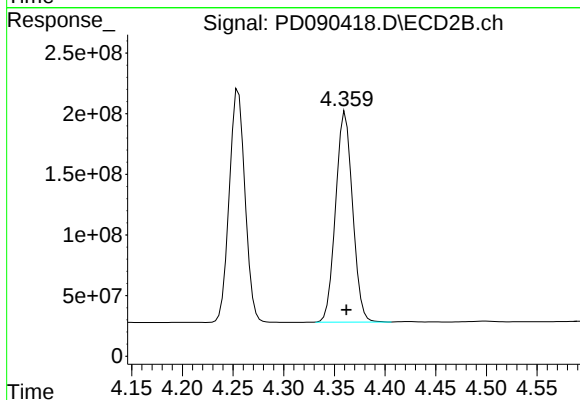
ClientSampleId :

PSTDCCC050

Manual Integrations

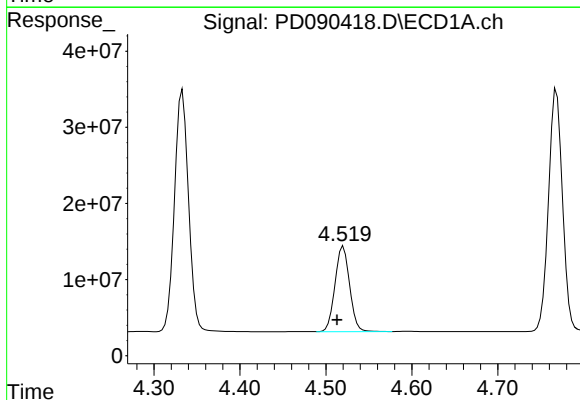
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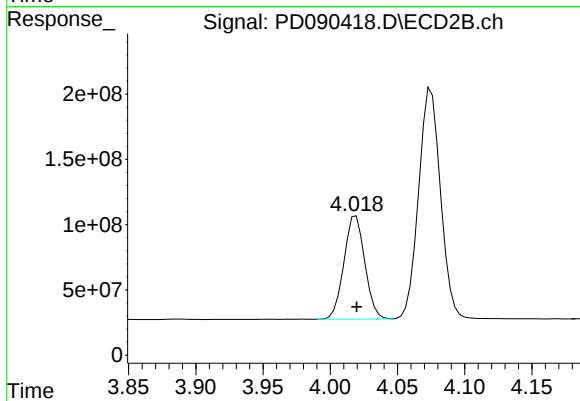
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 2018725128
Conc: 50.55 ng/ml



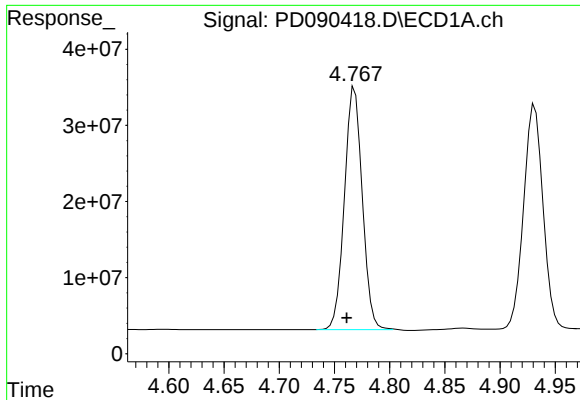
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.007 min
Response: 132498615
Conc: 51.36 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 852282392
Conc: 49.16 ng/ml



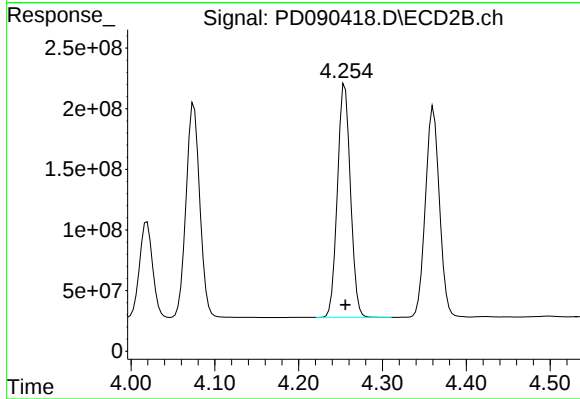
#7 delta-BHC

R.T.: 4.767 min
Delta R.T.: 0.006 min
Response: 358525598
Conc: 55.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

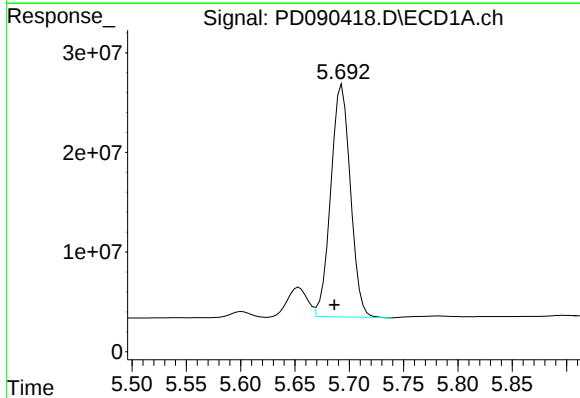
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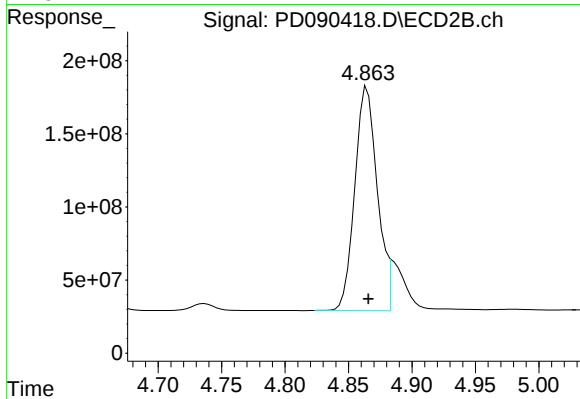
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2076053341
Conc: 50.27 ng/ml



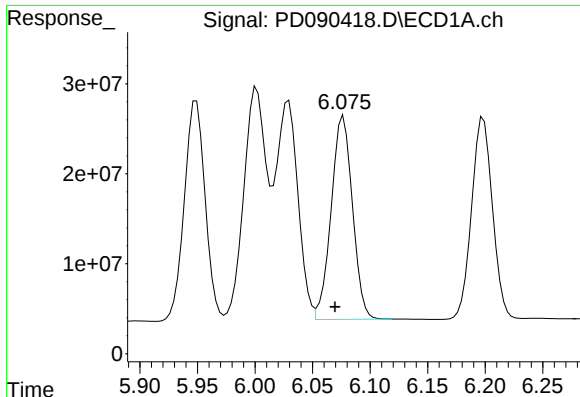
#8 Heptachlor epoxide

R.T.: 5.693 min
Delta R.T.: 0.007 min
Response: 292756150
Conc: 51.23 ng/ml



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: -0.002 min
Response: 1955149317
Conc: 53.04 ng/ml m



#9 Endosulfan I

R.T.: 6.075 min
Delta R.T.: 0.006 min
Response: 282028602
Conc: 52.21 ng/ml

Instrument :

ECD_D

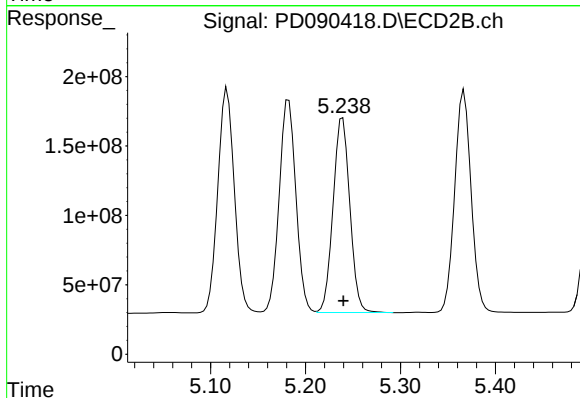
ClientSampleId :

PSTDCCC050

Manual Integrations

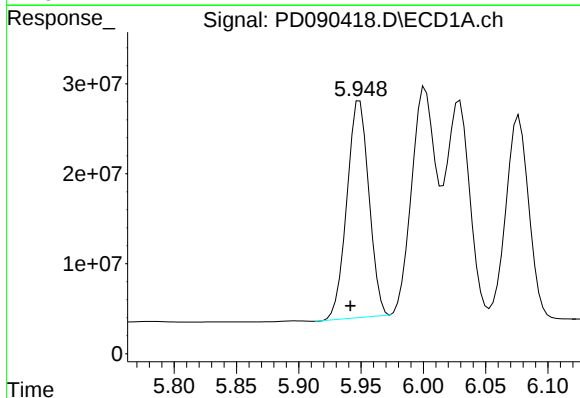
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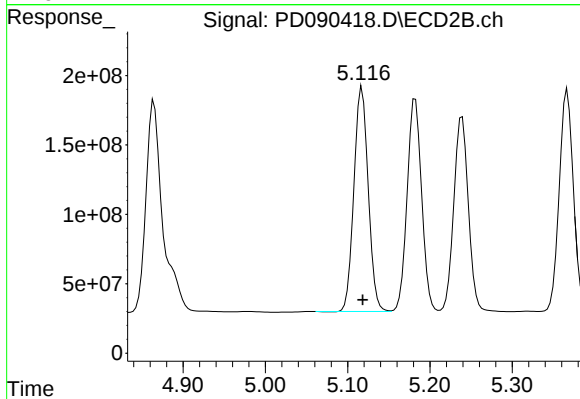
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: 0.000 min
Response: 1726629241
Conc: 49.90 ng/ml



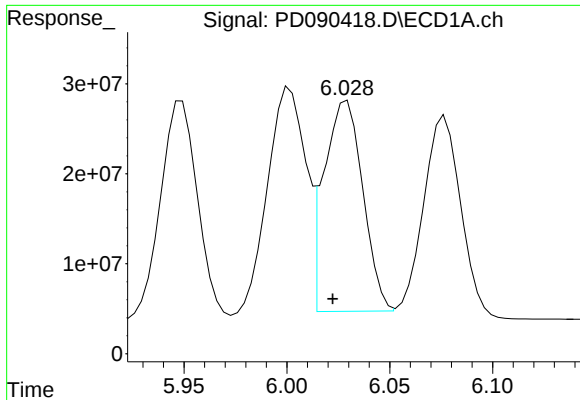
#10 gamma-Chlordane

R.T.: 5.949 min
Delta R.T.: 0.007 min
Response: 298002689
Conc: 52.17 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: 0.000 min
Response: 1951795823
Conc: 49.68 ng/ml



#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.006 min
Response: 297899481
Conc: 51.71 ng/ml

Instrument :

ECD_D

ClientSampleId :

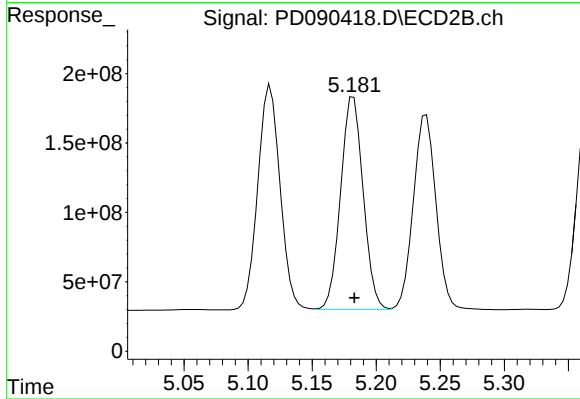
PSTDCCC050

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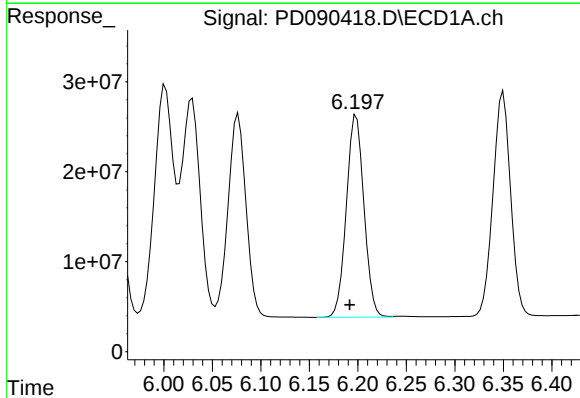
Reviewed By :Abdul Mirza 09/30/2025

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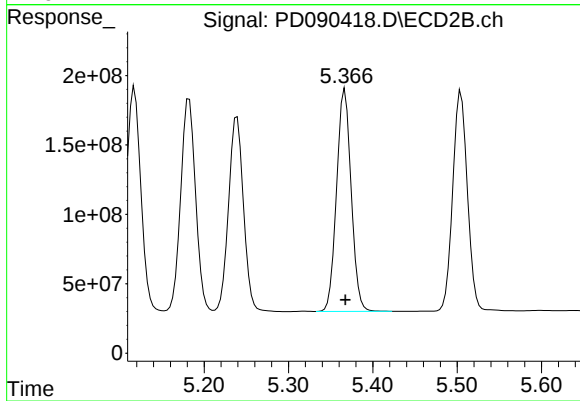
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1878388866
Conc: 49.87 ng/ml



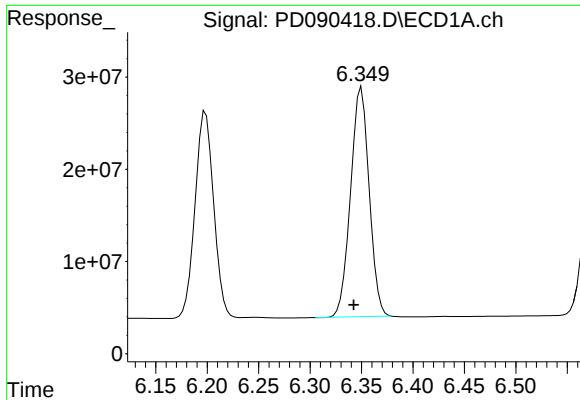
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.007 min
Response: 283553420
Conc: 54.45 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: 0.000 min
Response: 1922574055
Conc: 50.23 ng/ml



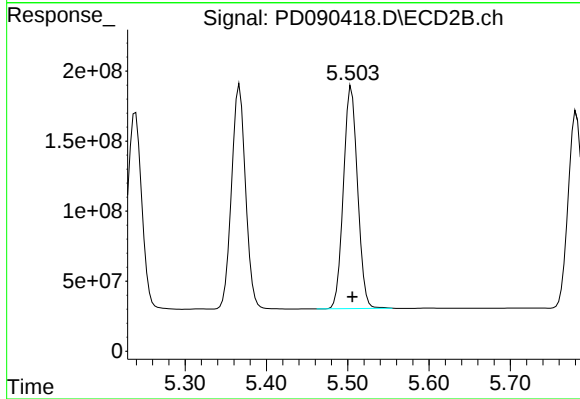
#13 Dieldrin

R.T.: 6.350 min
Delta R.T.: 0.007 min
Response: 312969539
Conc: 54.29 ng/ml

Instrument :
ECD_D
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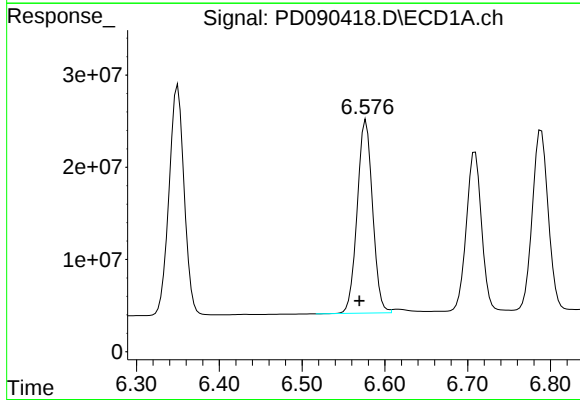
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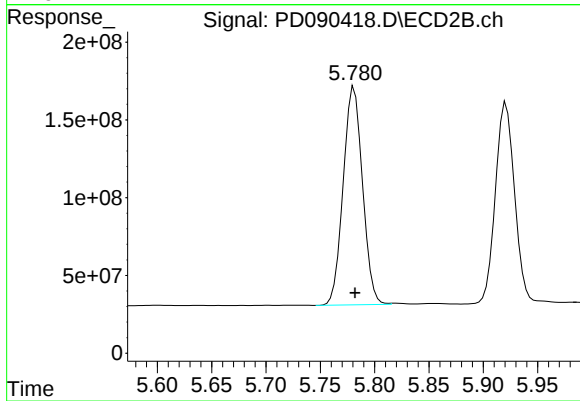
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.001 min
Response: 1912663606
Conc: 49.11 ng/ml



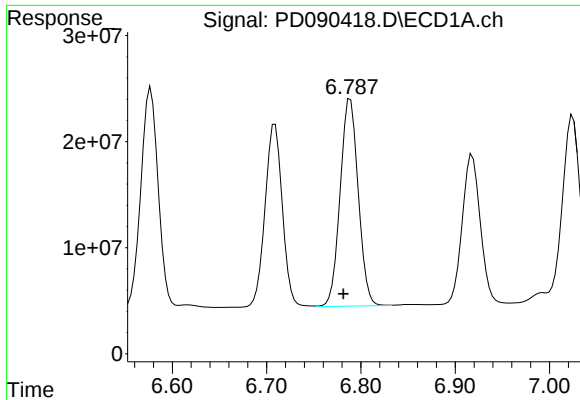
#14 Endrin

R.T.: 6.577 min
Delta R.T.: 0.008 min
Response: 269414842
Conc: 55.05 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: 0.000 min
Response: 1738775237
Conc: 48.53 ng/ml



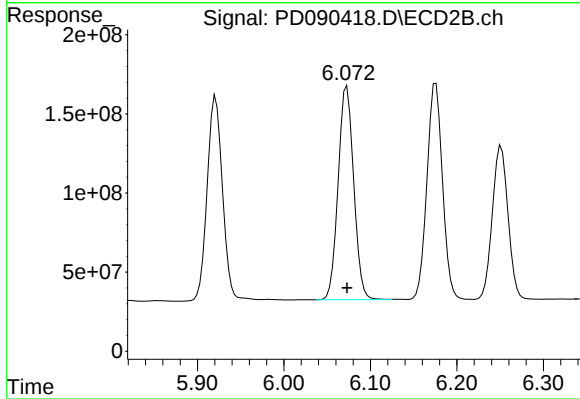
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.007 min
Response: 261025018
Conc: 53.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
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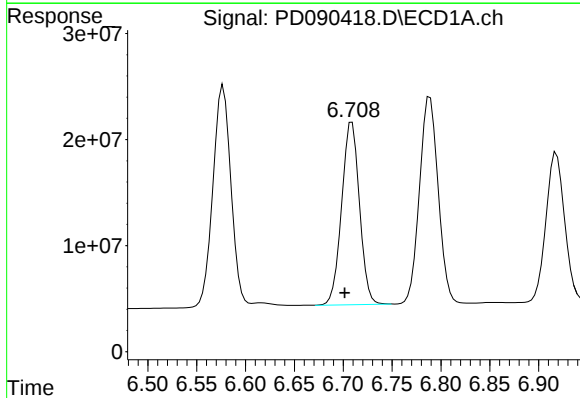
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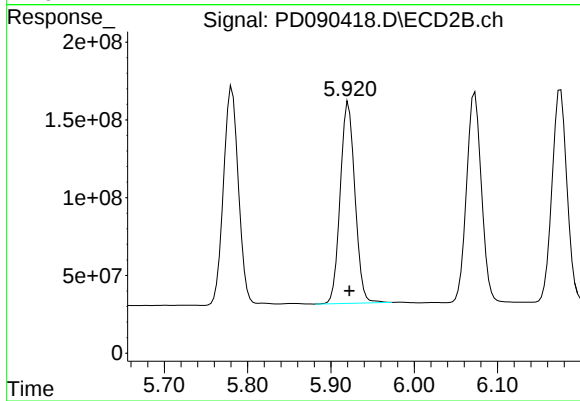
#15 Endosulfan II

R.T.: 6.073 min
Delta R.T.: 0.000 min
Response: 1677095636
Conc: 49.69 ng/ml



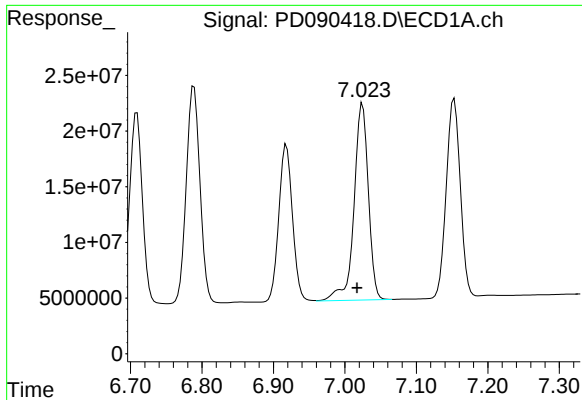
#16 4,4'-DDD

R.T.: 6.708 min
Delta R.T.: 0.006 min
Response: 218618212
Conc: 53.35 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 1586861554
Conc: 48.94 ng/ml



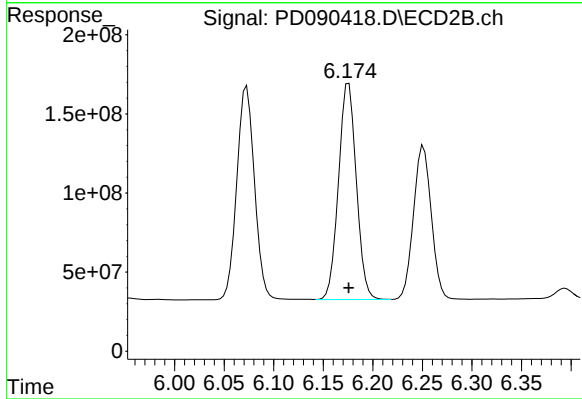
#17 4,4'-DDT

R.T.: 7.025 min
Delta R.T.: 0.008 min
Response: 246241053
Conc: 55.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

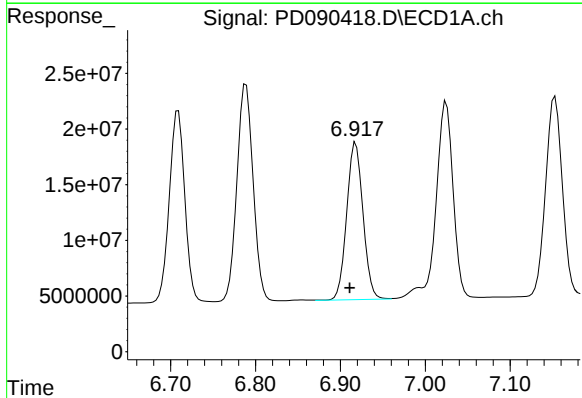
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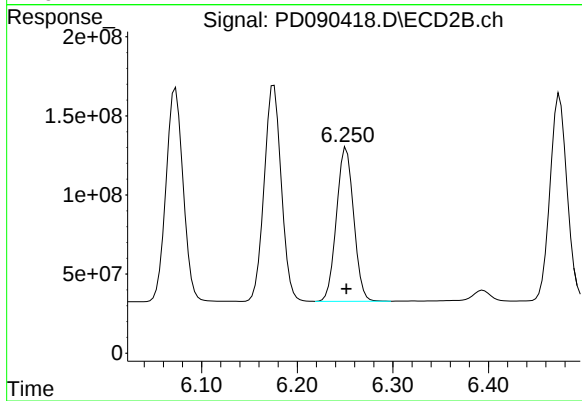
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 1708797029
Conc: 49.70 ng/ml



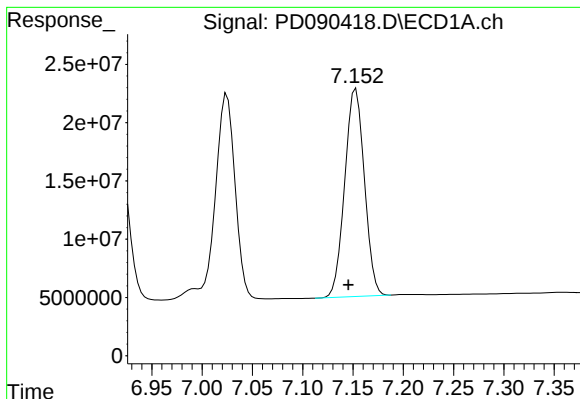
#18 Endrin aldehyde

R.T.: 6.918 min
Delta R.T.: 0.007 min
Response: 188155898
Conc: 54.85 ng/ml



#18 Endrin aldehyde

R.T.: 6.251 min
Delta R.T.: 0.000 min
Response: 1214699045
Conc: 51.59 ng/ml



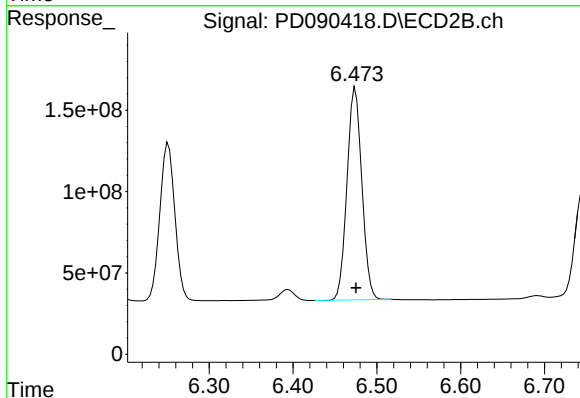
#19 Endosulfan Sulfate

R.T.: 7.153 min
Delta R.T.: 0.007 min
Response: 241977996
Conc: 52.60 ng/ml

Instrument :
ECD_D
ClientSampleId :
PSTDCCC050

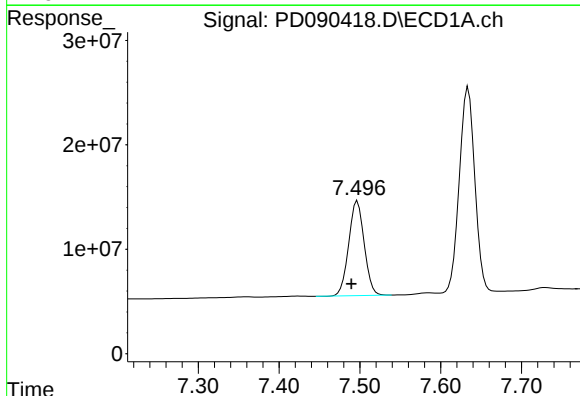
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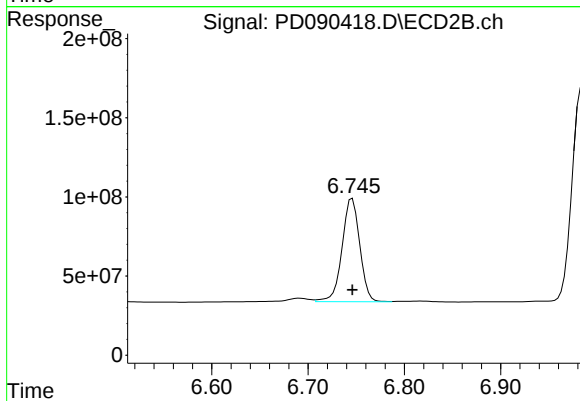
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: 0.000 min
Response: 1612128711
Conc: 49.32 ng/ml



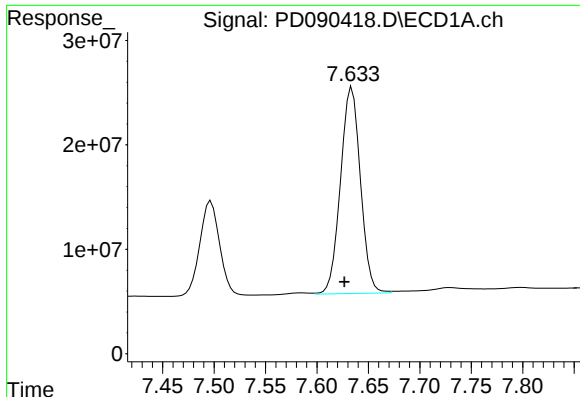
#20 Methoxychlor

R.T.: 7.497 min
Delta R.T.: 0.007 min
Response: 120783134
Conc: 51.26 ng/ml



#20 Methoxychlor

R.T.: 6.746 min
Delta R.T.: 0.000 min
Response: 833156969
Conc: 47.88 ng/ml



#21 Endrin ketone

R.T.: 7.634 min
Delta R.T.: 0.007 min
Response: 266669207
Conc: 53.90 ng/ml

Instrument :

ECD_D

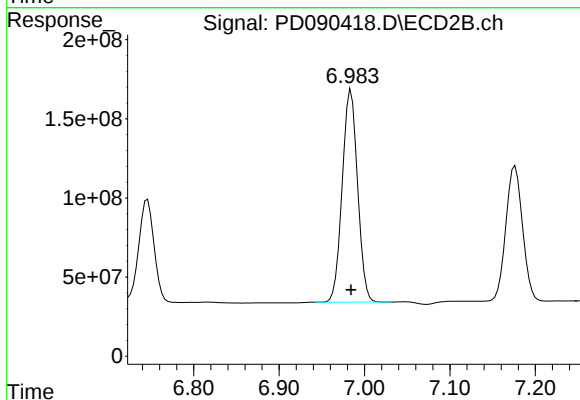
ClientSampleId :

PSTDCCC050

Manual Integrations

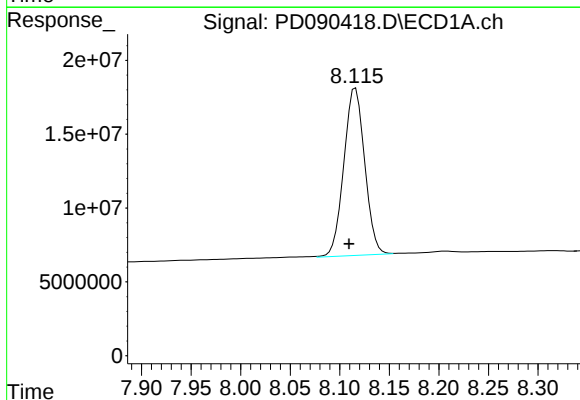
APPROVED

Reviewed By :Abdul Mirza 09/30/2025
Supervised By :mohammad ahmed 10/01/2025



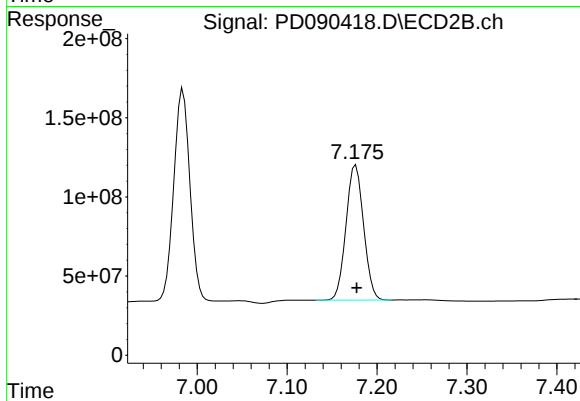
#21 Endrin ketone

R.T.: 6.984 min
Delta R.T.: 0.000 min
Response: 1675028120
Conc: 46.40 ng/ml



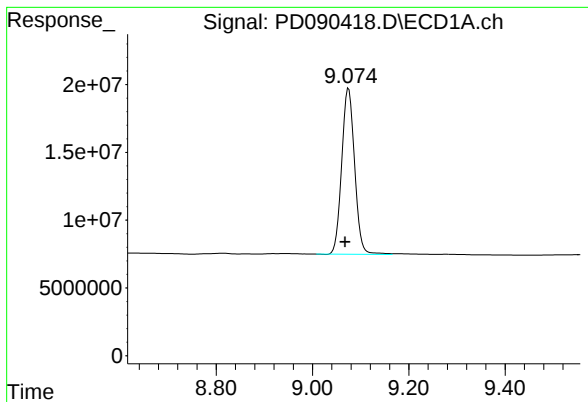
#22 Mirex

R.T.: 8.115 min
Delta R.T.: 0.005 min
Response: 166193557
Conc: 44.86 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: 0.000 min
Response: 1159778601
Conc: 42.01 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.075 min
Delta R.T.: 0.007 min
Response: 226859216
Conc: 47.02 ng/ml

Instrument :

ECD_D

ClientSampleId :

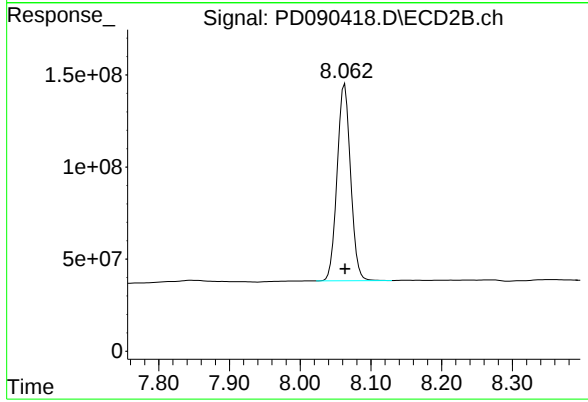
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Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: 0.000 min
Response: 1412968652
Conc: 43.59 ng/ml