

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090423.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 17:37
 Operator : AR\AJ
 Sample : PB169882BS
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169882BS

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 02:31:41 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	77815800	652.4E6	23.940	23.768
28)	SA Decachlor...	9.065	8.062	112.1E6	725.5E6	23.234	22.381
Target Compounds							
2)	A alpha-BHC	3.995	3.387	340.9E6	2041.8E6	48.803	46.635
3)	MA gamma-BHC...	4.325	3.722	316.7E6	1892.9E6	47.868	46.468
4)	MA Heptachlor	4.924	4.075	328.3E6	1908.6E6	49.646	46.875
5)	MB Aldrin	5.266	4.361	308.6E6	1858.2E6	48.600	46.530
6)	B beta-BHC	4.512	4.019	118.2E6	796.4E6	45.825	45.941
7)	B delta-BHC	4.759	4.255	317.4E6	1915.3E6	49.159m	46.382
8)	B Heptachlo...	5.685	4.864	274.0E6	2088.0E6	47.943	56.639
9)	A Endosulfan I	6.068	5.238	257.0E6	1525.4E6	47.571m	44.079
10)	B gamma-Chl...	5.941	5.117	262.6E6	1797.6E6	45.974	45.756
11)	B alpha-Chl...	6.020	5.181	257.7E6	1728.0E6	44.726m	45.878
12)	B 4,4'-DDE	6.191	5.366	253.0E6	1781.7E6	48.590	46.545
13)	MA Dieldrin	6.342	5.504	282.8E6	1776.3E6	49.058	45.610
14)	MA Endrin	6.569	5.781	247.0E6	1775.3E6	50.481	49.546
15)	B Endosulfa...	6.781	6.072	245.5E6	1556.9E6	50.327	46.130
16)	A 4,4'-DDD	6.700	5.921	208.7E6	1489.9E6	50.924	45.945
17)	MA 4,4'-DDT	7.016	6.174	216.8E6	1593.4E6	48.681	46.349
18)	B Endrin al...	6.910	6.250	176.0E6	1136.4E6	51.313	48.262
19)	B Endosulfa...	7.145	6.474	221.2E6	1494.6E6	48.074	45.719
20)	A Methoxychlor	7.487	6.745	125.6E6	807.1E6	53.279m	46.383
21)	B Endrin ke...	7.625	6.982	238.7E6	1852.6E6	48.244	51.314m
22)	Mirex	8.106	7.176	154.8E6	1095.6E6	41.777m	39.687

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090423.D
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Acq On : 29 Sep 2025 17:37
Operator : AR\AJ
Sample : PB169882BS
Misc :
ALS Vial : 9 Sample Multiplier: 1

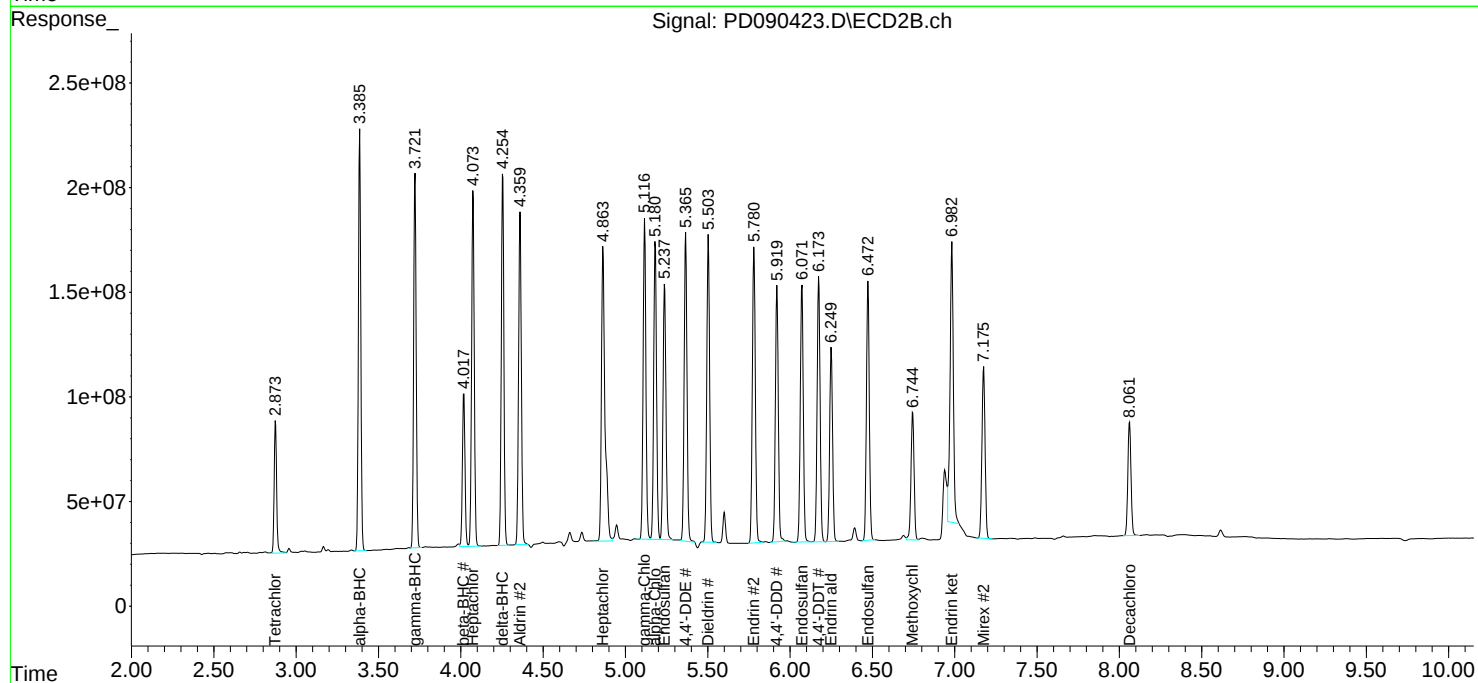
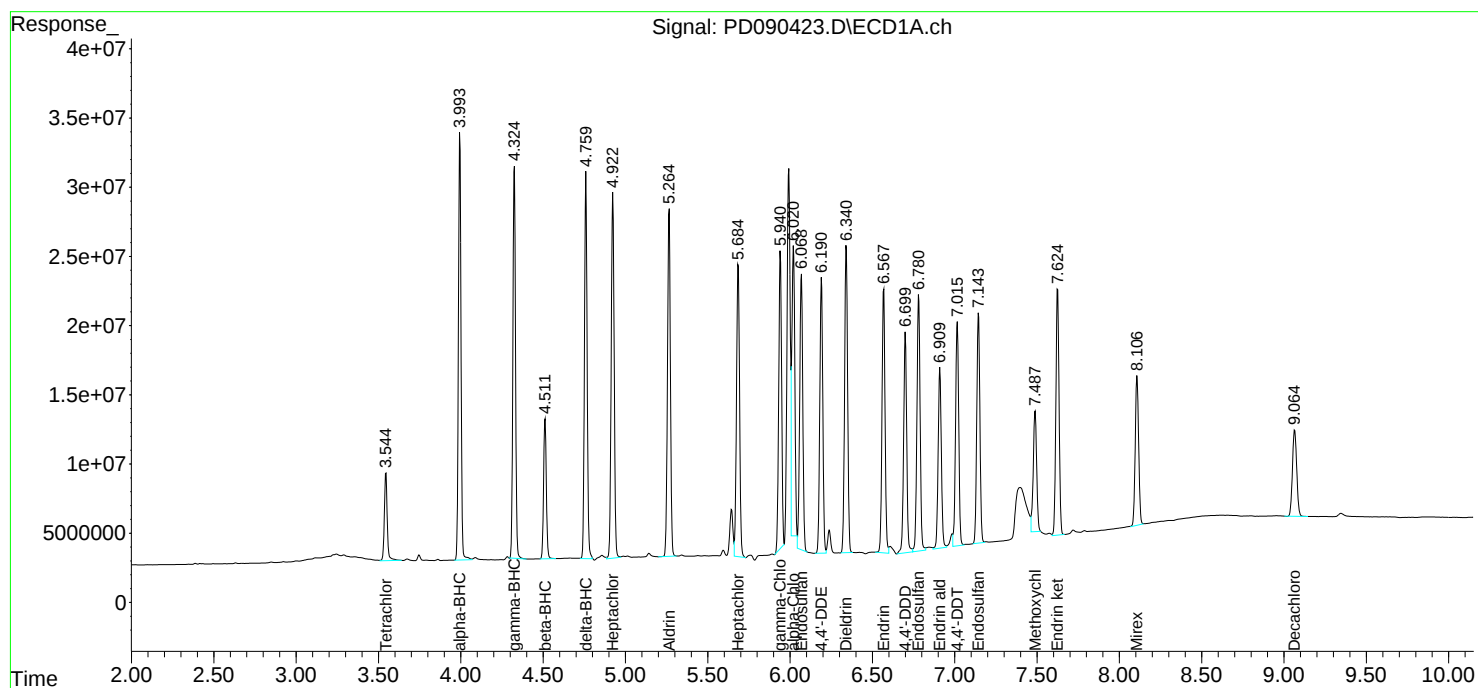
Instrument :
ECD_D
ClientSampleId :
PB169882BS

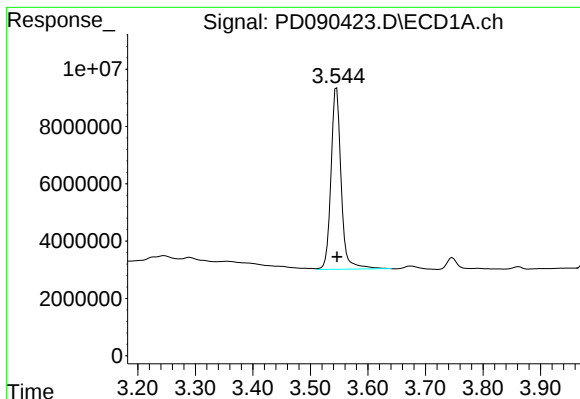
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:31:41 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
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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





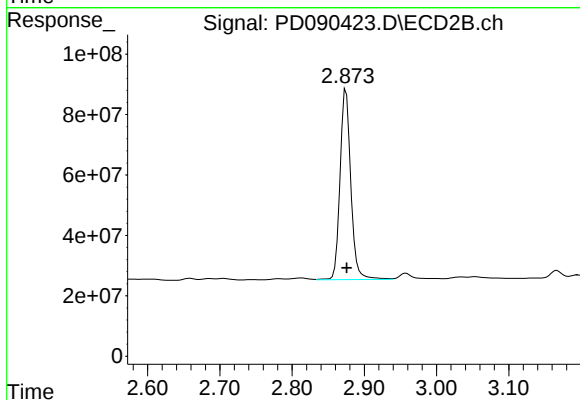
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 77815800
Conc: 23.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BS

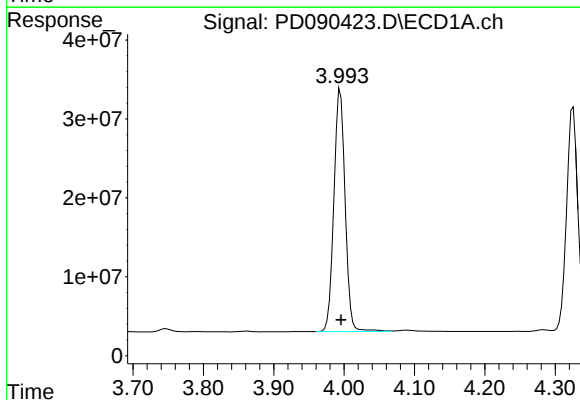
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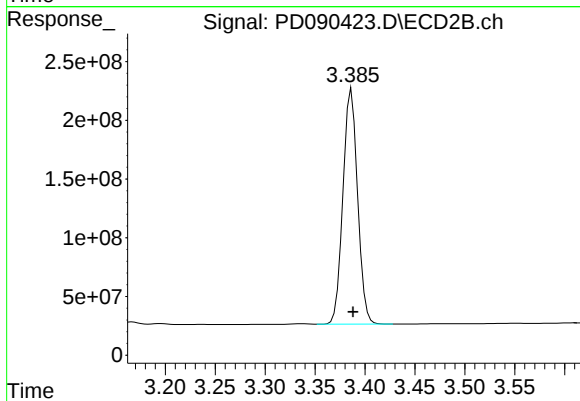
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 652436637
Conc: 23.77 ng/ml



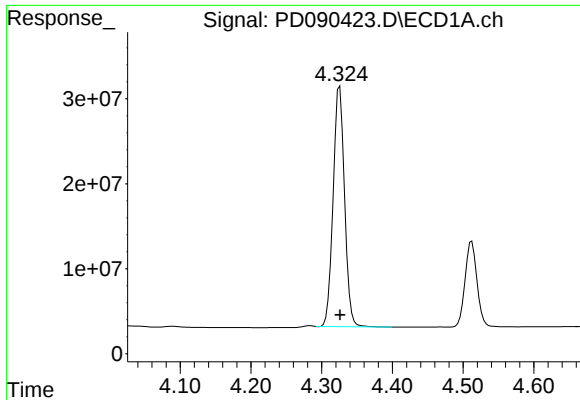
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 340866831
Conc: 48.80 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 2041807551
Conc: 46.63 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 316739883
Conc: 47.87 ng/ml

Instrument :

ECD_D

ClientSampleId :

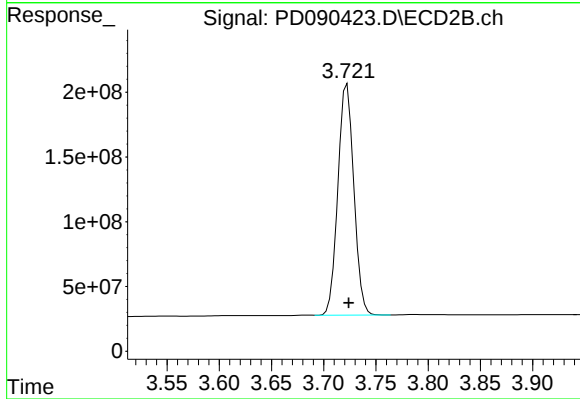
PB169882BS

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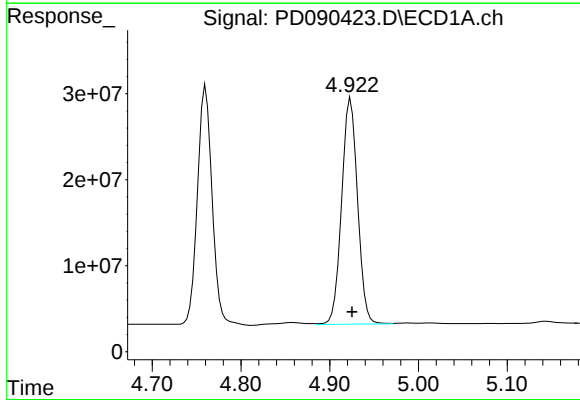
Reviewed By :Abdul Mirza 09/30/2025

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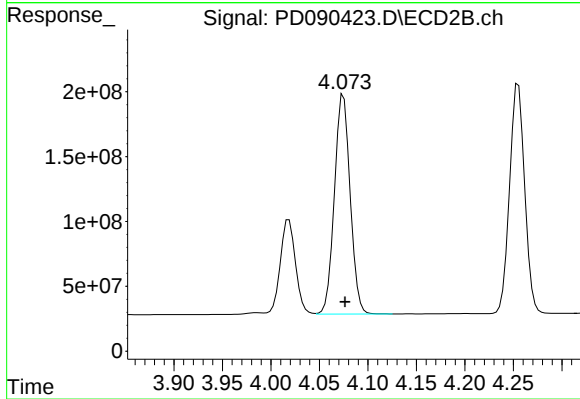
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 1892902501
Conc: 46.47 ng/ml



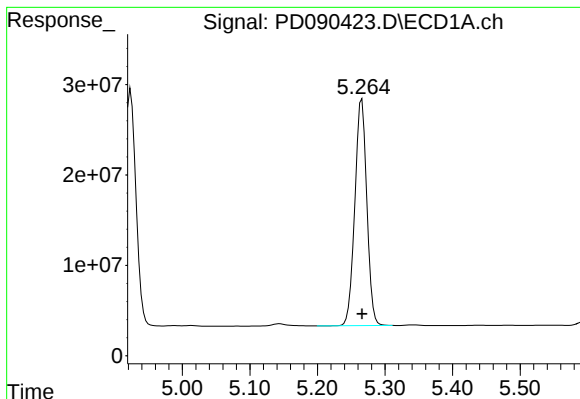
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 328286587
Conc: 49.65 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 1908601777
Conc: 46.88 ng/ml



#5 Aldrin

R.T.: 5.266 min
Delta R.T.: 0.000 min
Response: 308606269
Conc: 48.60 ng/ml

Instrument :

ECD_D

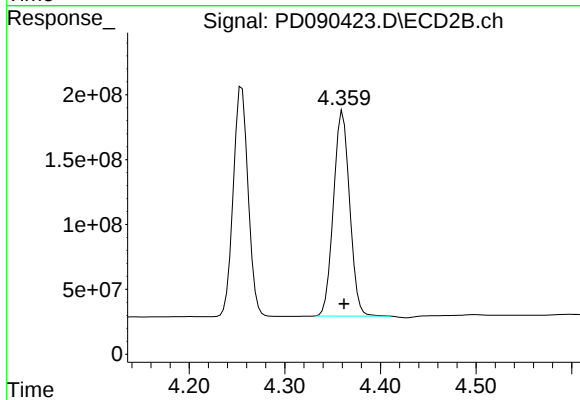
ClientSampleId :

PB169882BS

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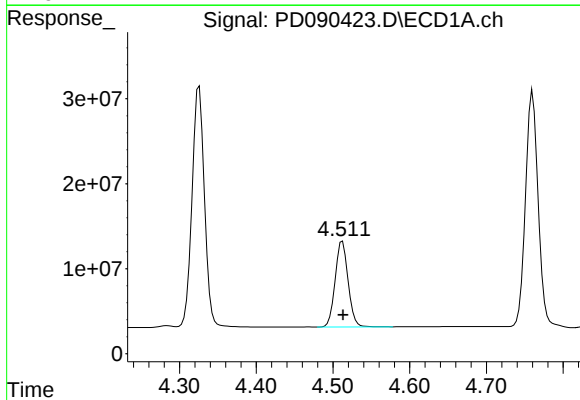
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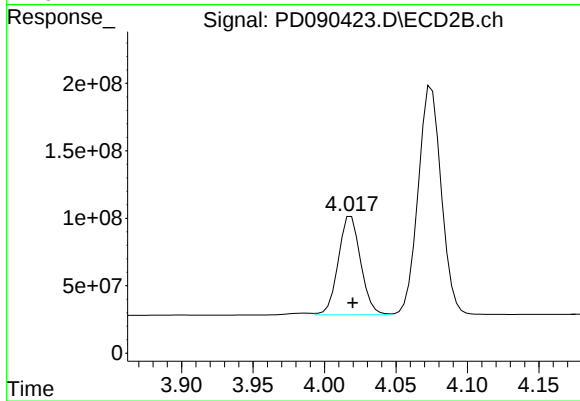
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.002 min
Response: 1858173953
Conc: 46.53 ng/ml



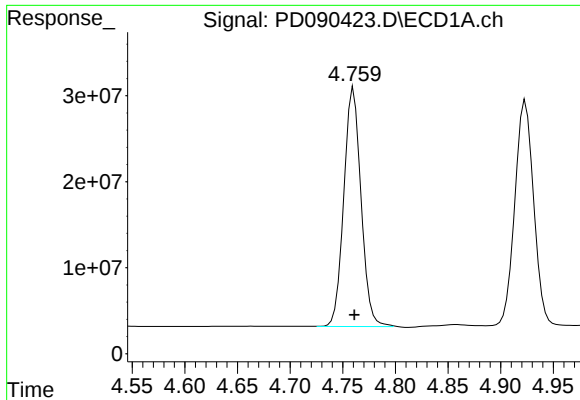
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 118225577
Conc: 45.83 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 796398227
Conc: 45.94 ng/ml



#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 317443356
Conc: 49.16 ng/ml

Instrument :

ECD_D

ClientSampleId :

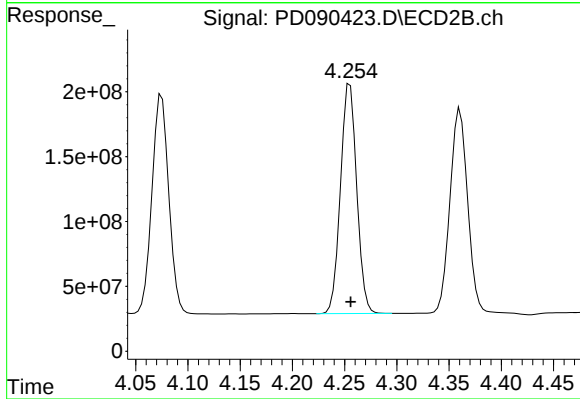
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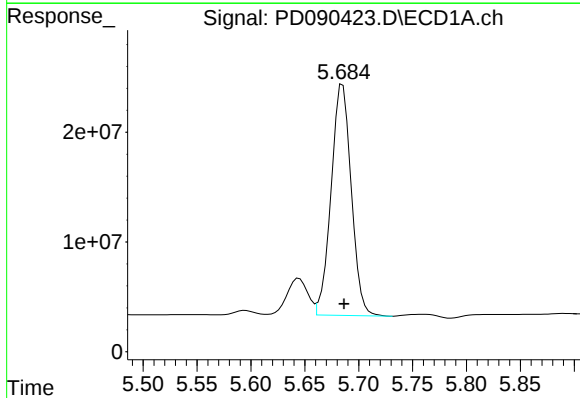
Reviewed By :Abdul Mirza 09/30/2025

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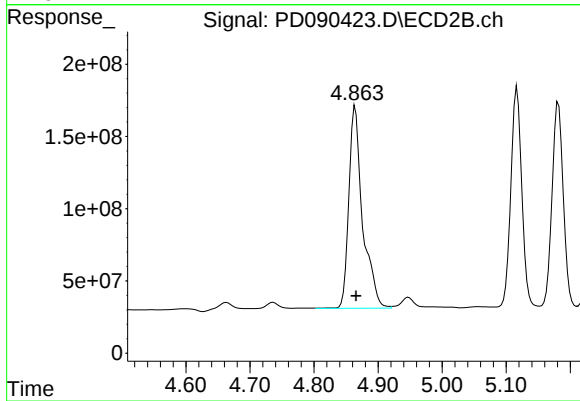
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1915345920
Conc: 46.38 ng/ml



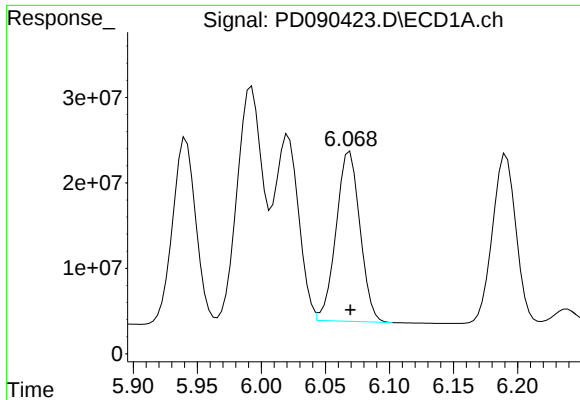
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.001 min
Response: 273991163
Conc: 47.94 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 2087982613
Conc: 56.64 ng/ml



#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.002 min
Response: 256953230
Conc: 47.57 ng/ml

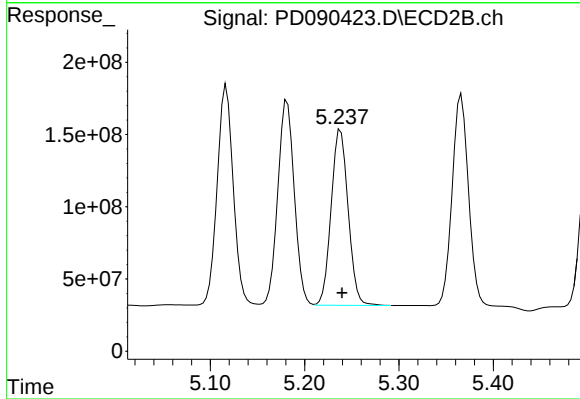
Instrument :

ECD_D

ClientSampleId :
PB169882BS

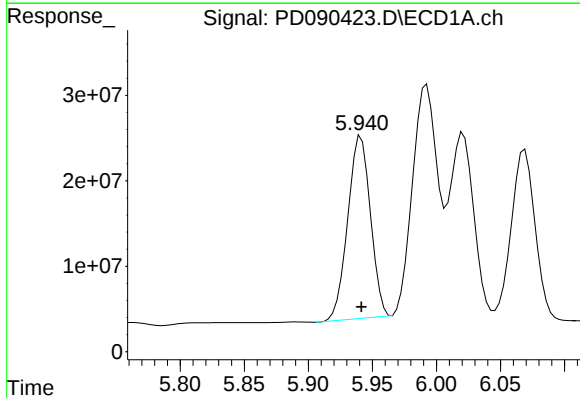
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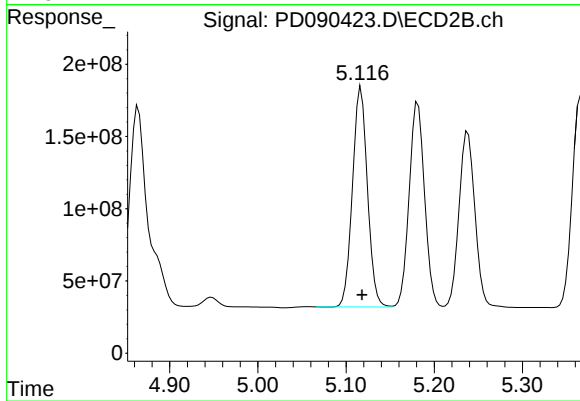
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1525353826
Conc: 44.08 ng/ml



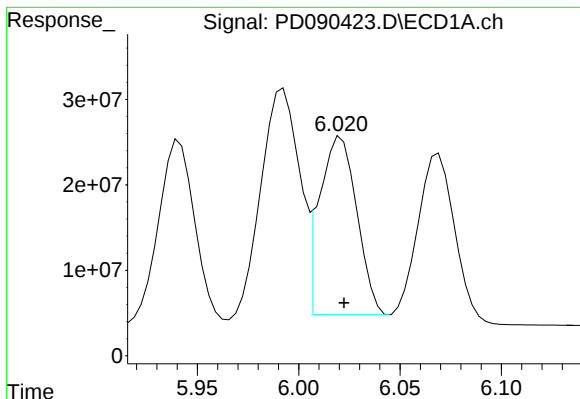
#10 gamma-Chlordane

R.T.: 5.941 min
Delta R.T.: 0.000 min
Response: 262598108
Conc: 45.97 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 1797577323
Conc: 45.76 ng/ml



#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 257658036
Conc: 44.73 ng/ml

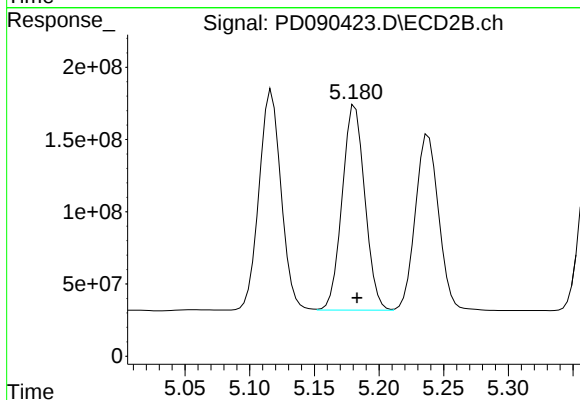
Instrument :

ECD_D

ClientSampleId :
PB169882BS

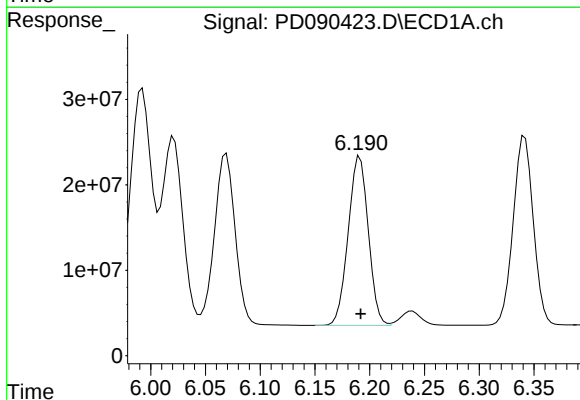
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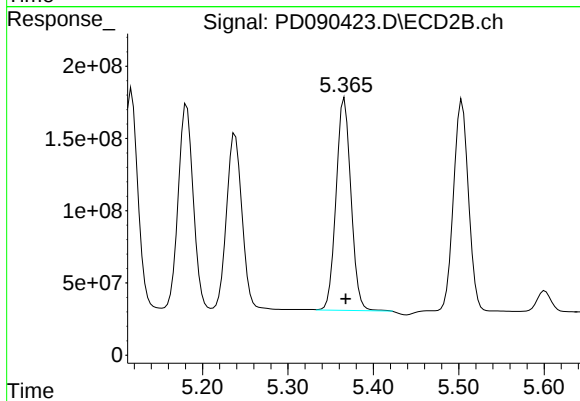
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.001 min
Response: 1728015207
Conc: 45.88 ng/ml



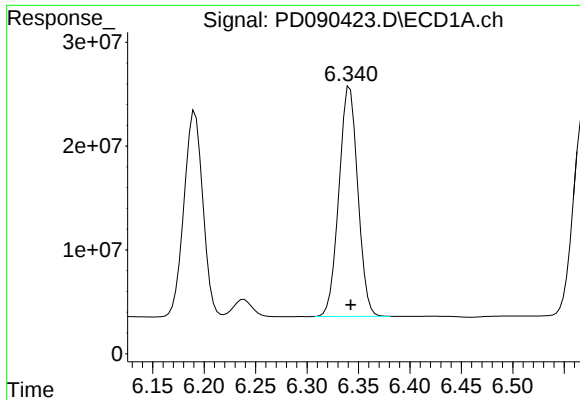
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: 0.000 min
Response: 253031644
Conc: 48.59 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1781715789
Conc: 46.55 ng/ml



#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.001 min
Response: 282806062
Conc: 49.06 ng/ml

Instrument :

ECD_D

ClientSampleId :

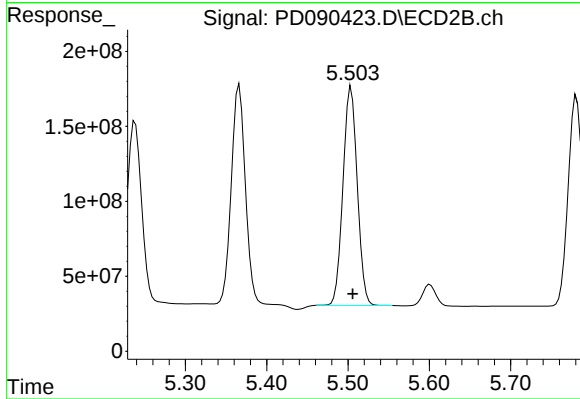
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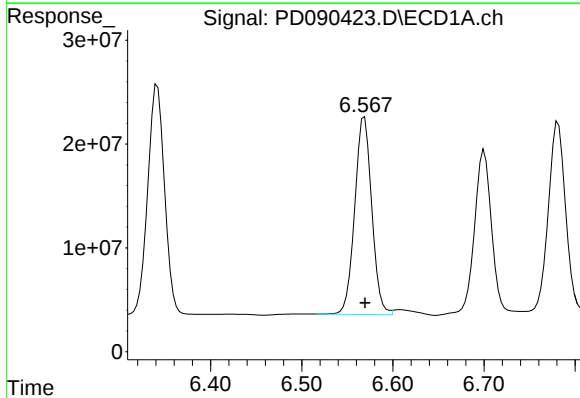
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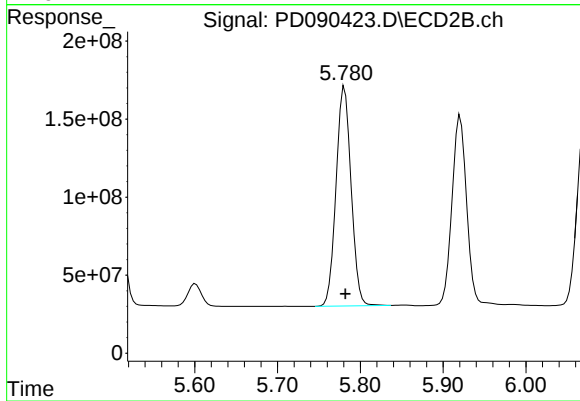
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1776311169
Conc: 45.61 ng/ml



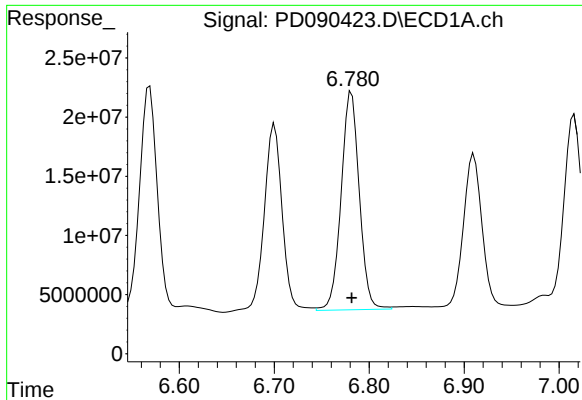
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 247049629
Conc: 50.48 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1775337723
Conc: 49.55 ng/ml



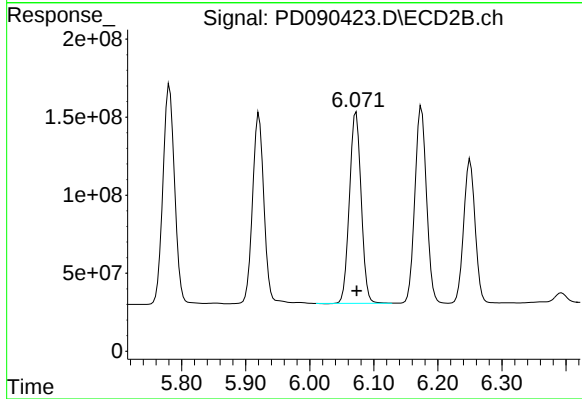
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 245483701
Conc: 50.33 ng/ml

Instrument :
ECD_D
ClientSampleId :
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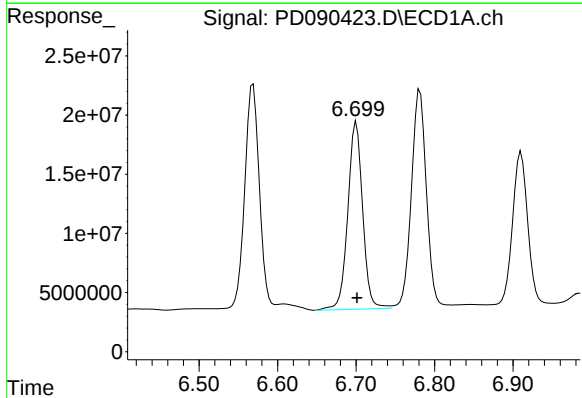
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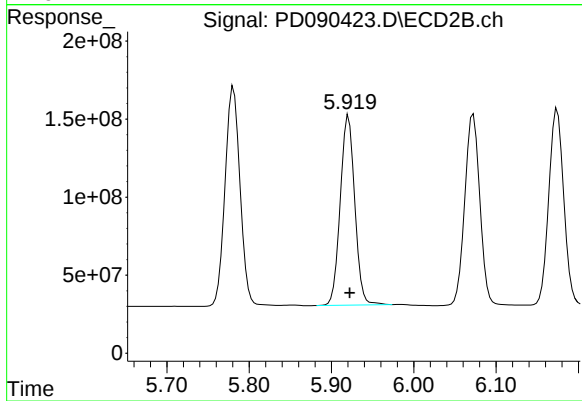
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1556930256
Conc: 46.13 ng/ml



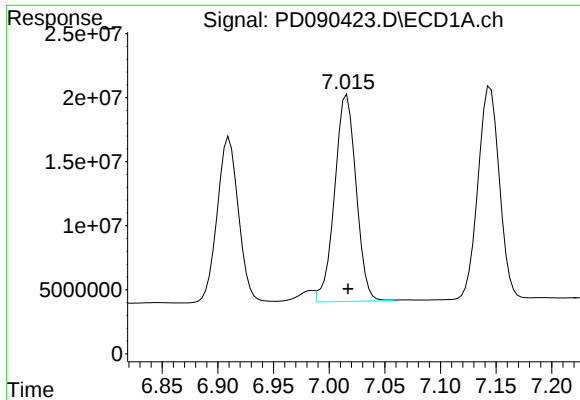
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 208677961
Conc: 50.92 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 1489896468
Conc: 45.95 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 216750926
Conc: 48.68 ng/ml

Instrument :

ECD_D

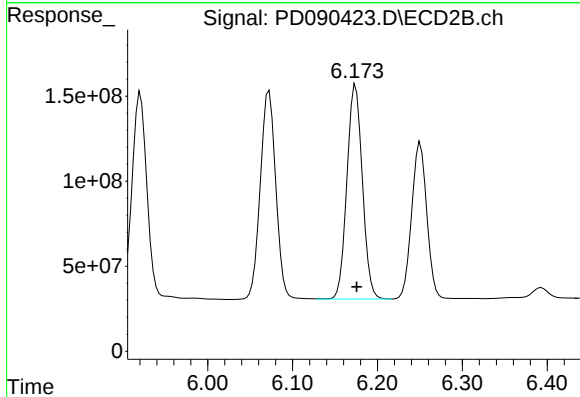
ClientSampleId :

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Manual Integrations

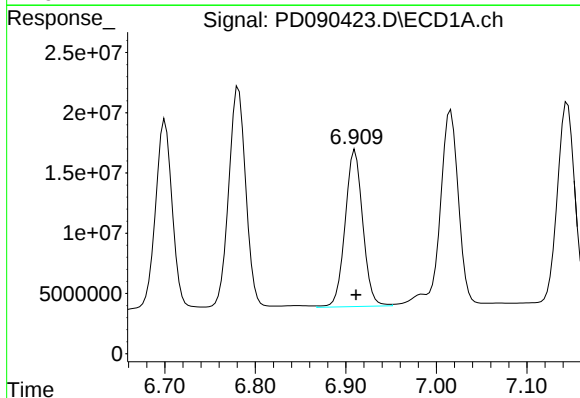
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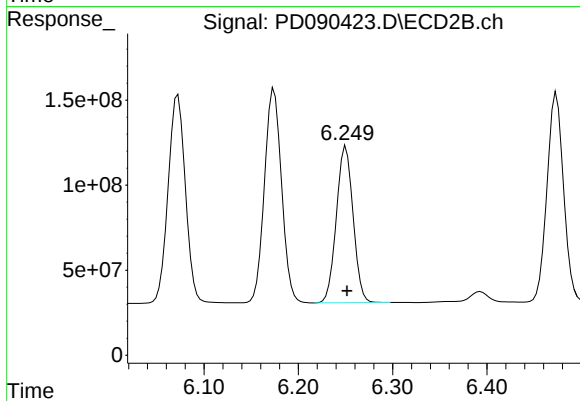
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 1593431685
Conc: 46.35 ng/ml



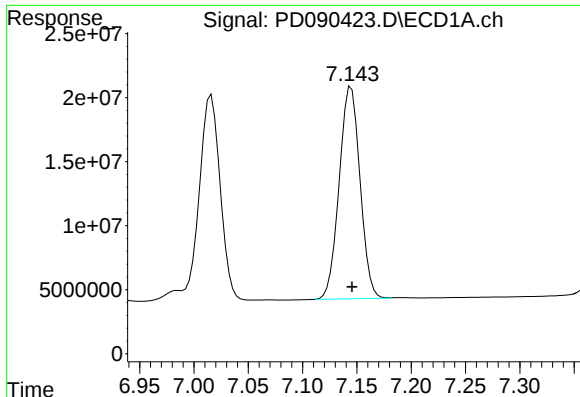
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 176034779
Conc: 51.31 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.001 min
Response: 1136408063
Conc: 48.26 ng/ml



#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 221158367
Conc: 48.07 ng/ml

Instrument :

ECD_D

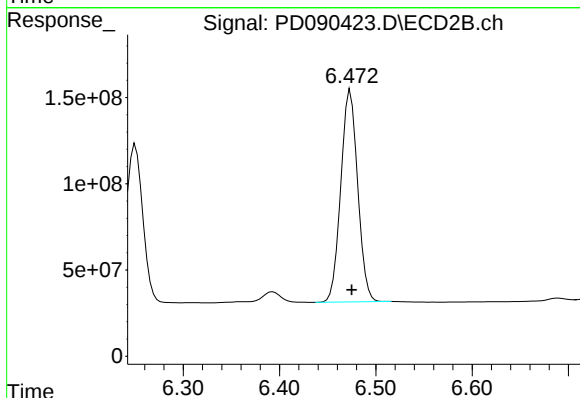
ClientSampleId :

PB169882BS

Manual Integrations

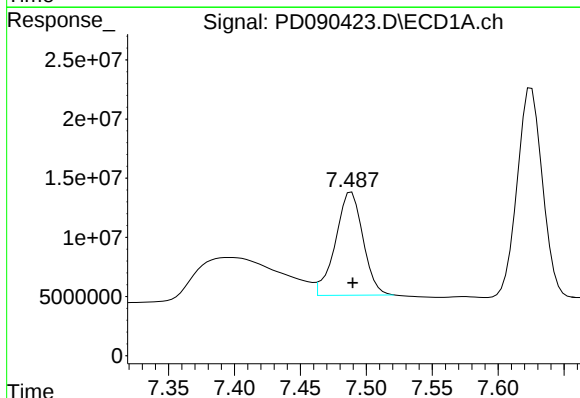
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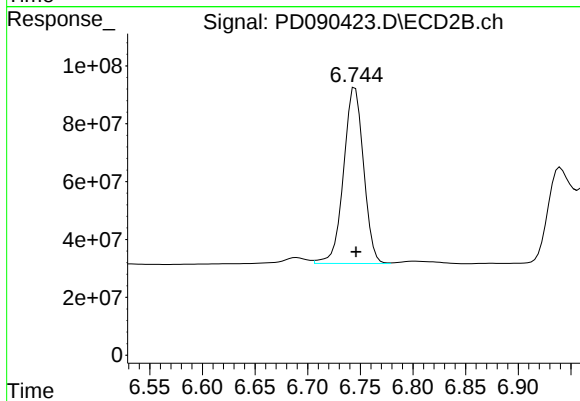
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1494565987
Conc: 45.72 ng/ml



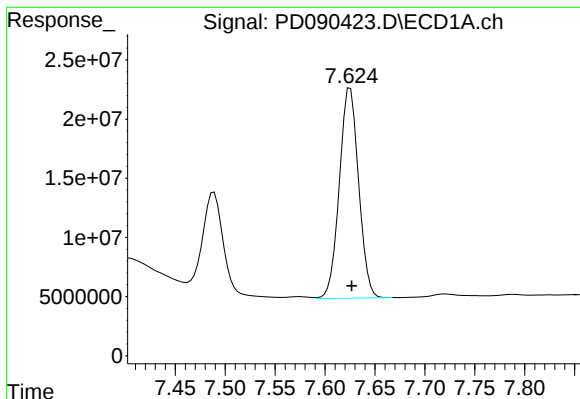
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 125553460
Conc: 53.28 ng/ml m



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 807077527
Conc: 46.38 ng/ml



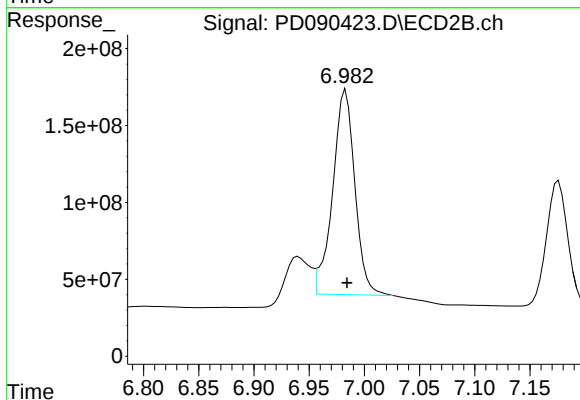
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.001 min
Response: 238680107
Conc: 48.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169882BS

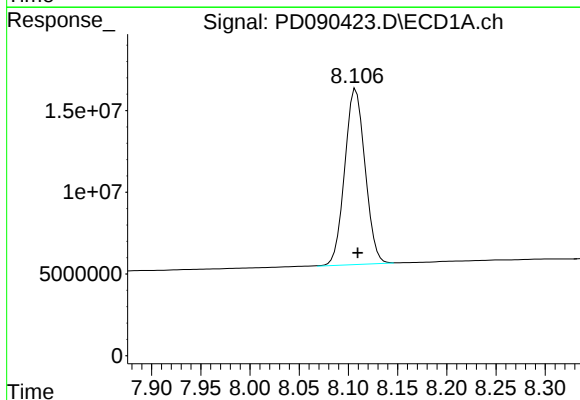
Manual Integrations
APPROVED

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



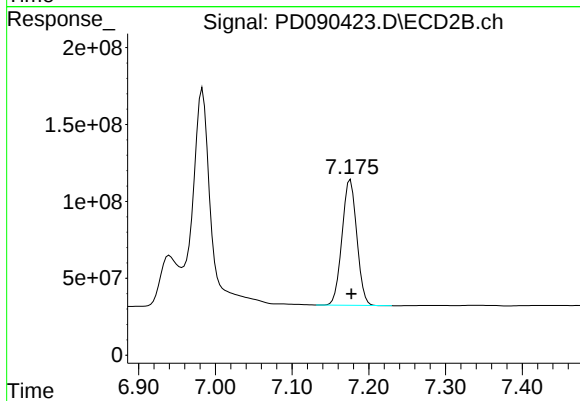
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.002 min
Response: 1852598578
Conc: 51.31 ng/ml m



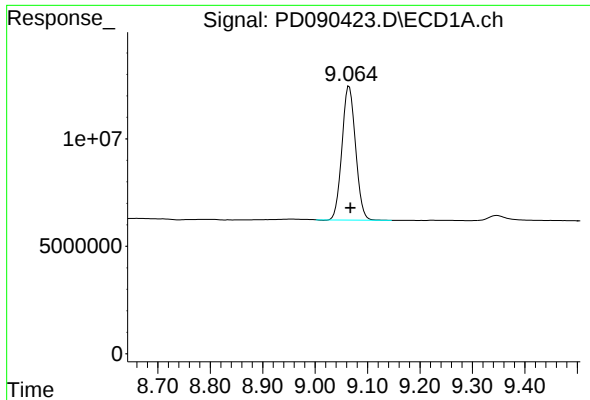
#22 Mirex

R.T.: 8.106 min
Delta R.T.: -0.003 min
Response: 154777089
Conc: 41.78 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.001 min
Response: 1095595681
Conc: 39.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 112103082
Conc: 23.23 ng/ml

Instrument :

ECD_D

ClientSampleId :

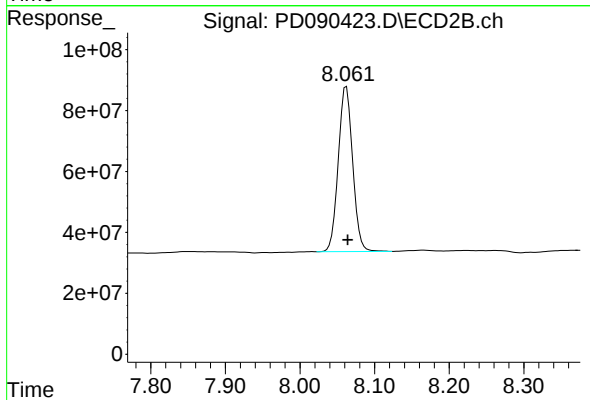
PB169882BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 725470968
Conc: 22.38 ng/ml