

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090435.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 20:49
 Operator : AR\AJ
 Sample : PB169874BS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB169874BS

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 02:34:26 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	2.876	78085554	656.3E6	24.023	23.907
28)	SA Decachlor...	9.063	8.061	120.0E6	782.7E6	24.861	24.147
Target Compounds							
2)	A alpha-BHC	3.995	3.387	348.8E6	2067.3E6	49.940	47.216
3)	MA gamma-BHC...	4.325	3.723	324.8E6	1904.0E6	49.093	46.741
4)	MA Heptachlor	4.923	4.076	337.2E6	1947.4E6	51.001	47.828
5)	MB Aldrin	5.265	4.361	320.1E6	1886.4E6	50.417	47.237
6)	B beta-BHC	4.512	4.019	122.0E6	810.0E6	47.269	46.725
7)	B delta-BHC	4.759	4.255	327.1E6	1944.5E6	50.659m	47.089
8)	B Heptachlo...	5.684	4.865	289.7E6	1980.9E6	50.690	53.735
9)	A Endosulfan I	6.066	5.239	270.7E6	1543.1E6	50.108m	44.592
10)	B gamma-Chl...	5.940	5.117	275.0E6	1842.9E6	48.147	46.908
11)	B alpha-Chl...	6.019	5.182	315.0E6	1768.4E6	54.684m	46.949
12)	B 4,4'-DDE	6.190	5.366	262.7E6	1824.2E6	50.454	47.656
13)	MA Dieldrin	6.340	5.504	293.9E6	1836.3E6	50.983	47.149
14)	MA Endrin	6.568	5.781	257.6E6	1878.5E6	52.641	52.425
15)	B Endosulfa...	6.779	6.072	248.5E6	1602.0E6	50.935m	47.466
16)	A 4,4'-DDD	6.700	5.921	219.7E6	1534.7E6	53.617	47.327
17)	MA 4,4'-DDT	7.015	6.174	236.8E6	1641.3E6	53.174	47.740
18)	B Endrin al...	6.908	6.250	178.2E6	1174.8E6	51.937m	49.892
19)	B Endosulfa...	7.144	6.473	232.2E6	1552.2E6	50.480	47.482
20)	A Methoxychlor	7.486	6.745	131.7E6	833.5E6	55.891m	47.900
21)	B Endrin ke...	7.624	6.981	248.4E6	1947.6E6	50.215	53.944m
22)	Mirex	8.105	7.176	163.6E6	1148.4E6	44.156m	41.600

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
Data File : PD090435.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 29 Sep 2025 20:49
Operator : AR\AJ
Sample : PB169874BS
Misc :
ALS Vial : 18 Sample Multiplier: 1

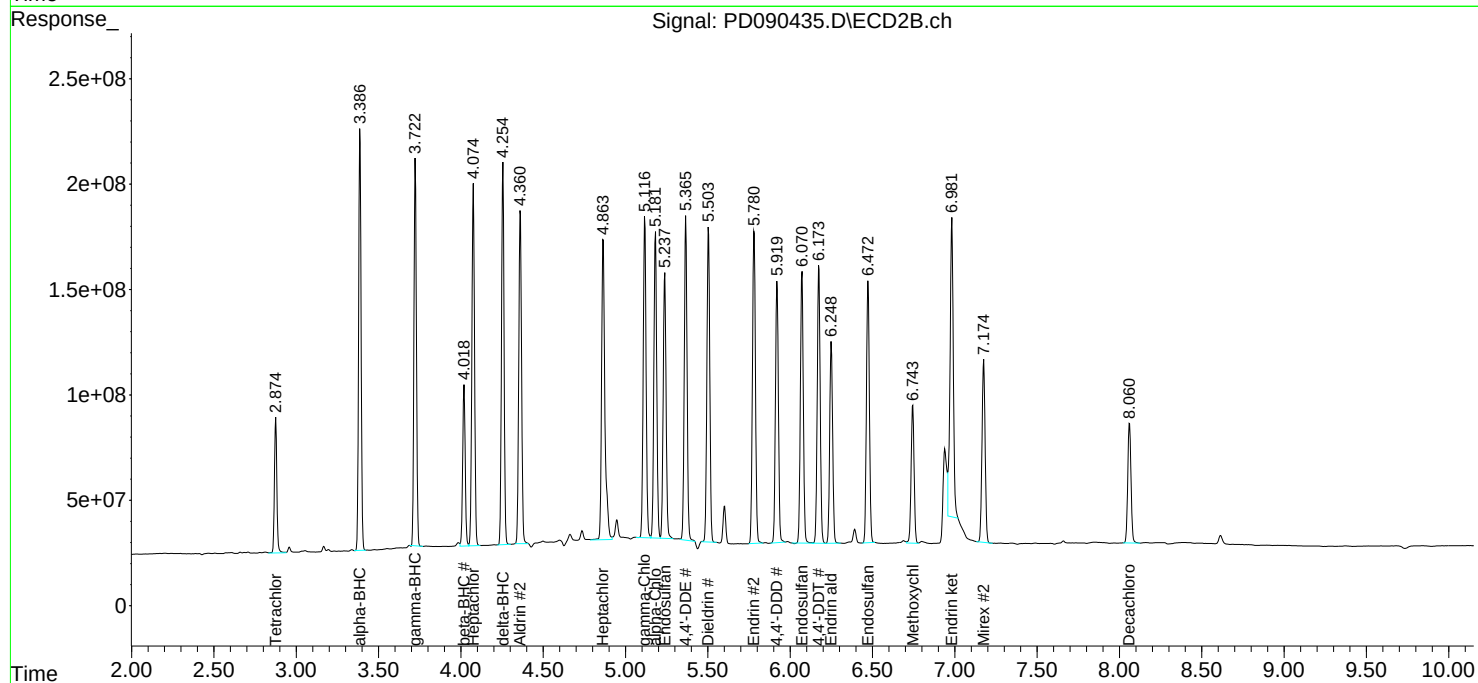
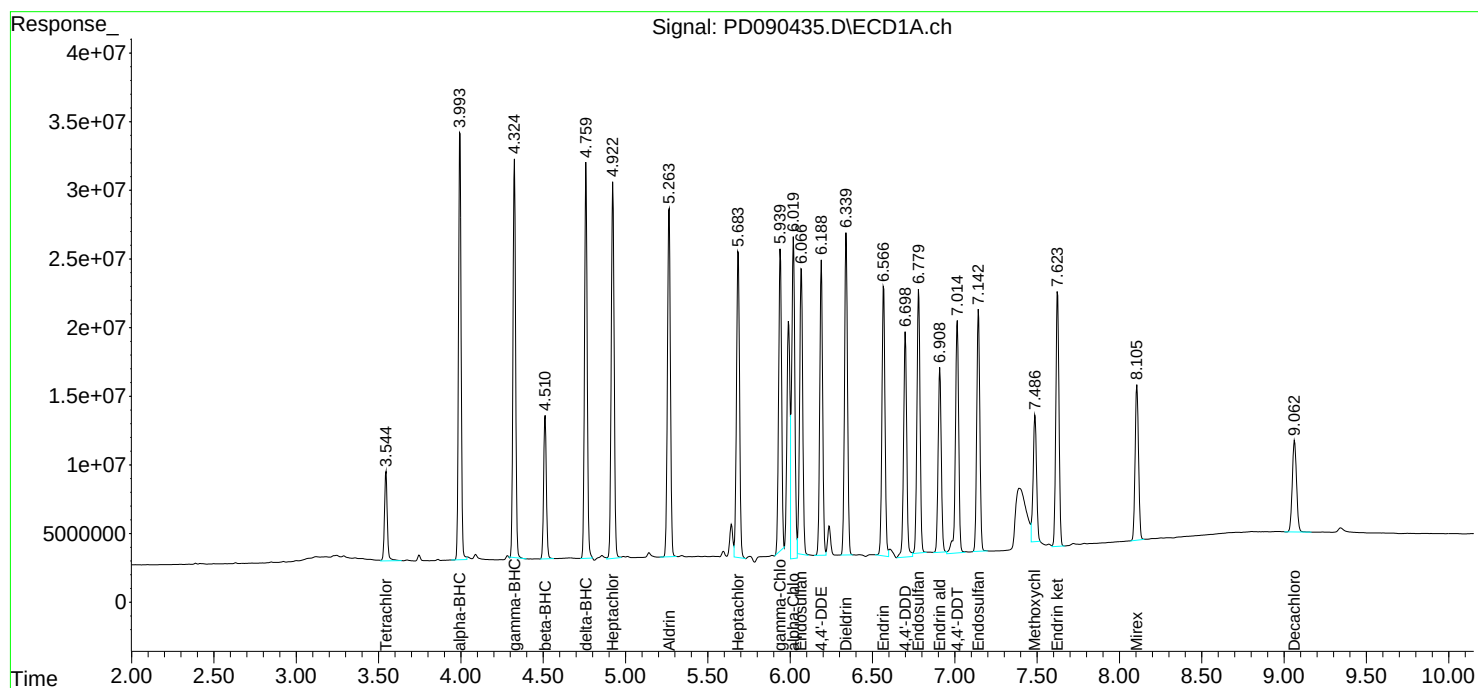
Instrument :
ECD_D
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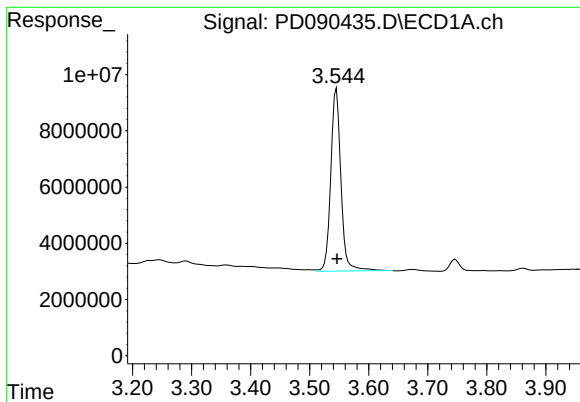
Manual Integrations
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Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 30 02:34:26 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:52:38 2025
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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





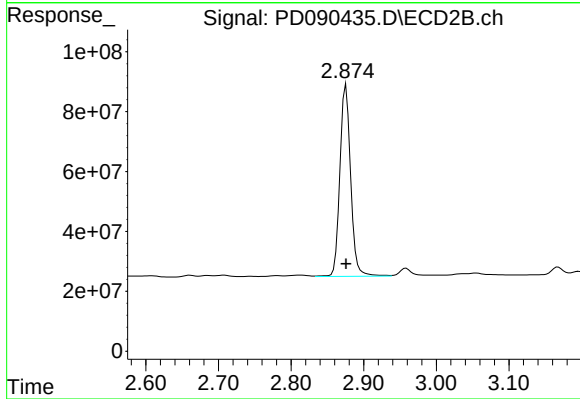
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 78085554
Conc: 24.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

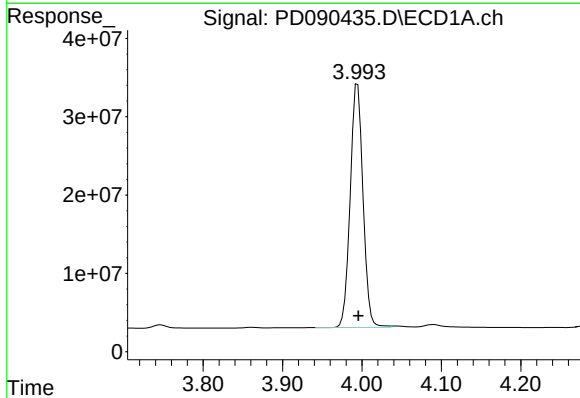
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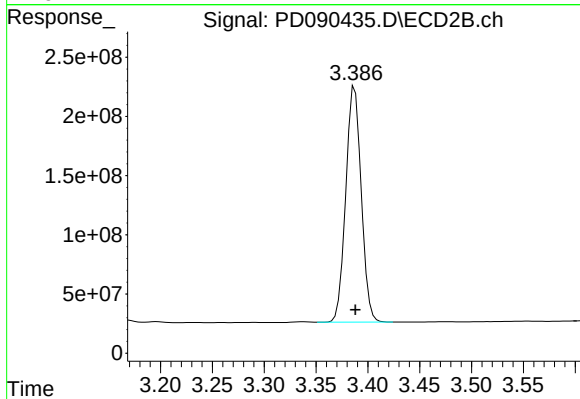
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: 0.000 min
Response: 656253599
Conc: 23.91 ng/ml



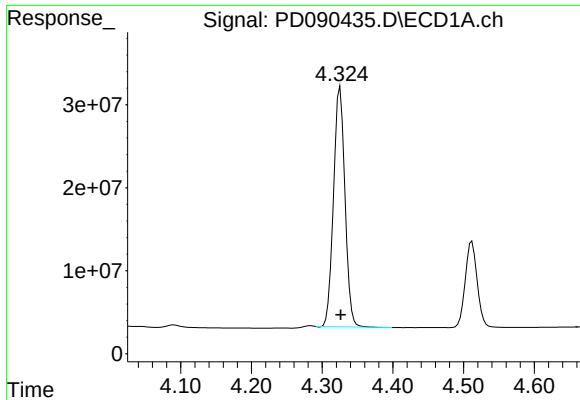
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 348808724
Conc: 49.94 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2067270609
Conc: 47.22 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 324842285
Conc: 49.09 ng/ml

Instrument :

ECD_D

ClientSampleId :

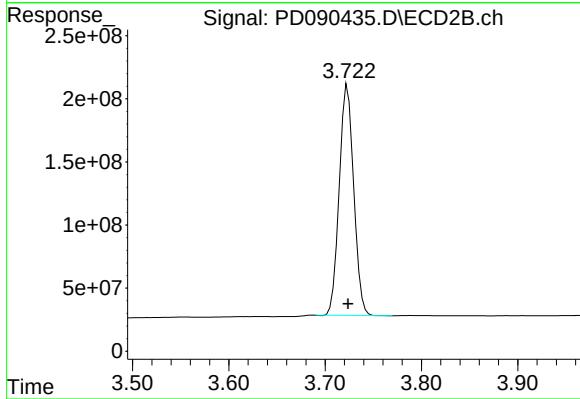
PB169874BS

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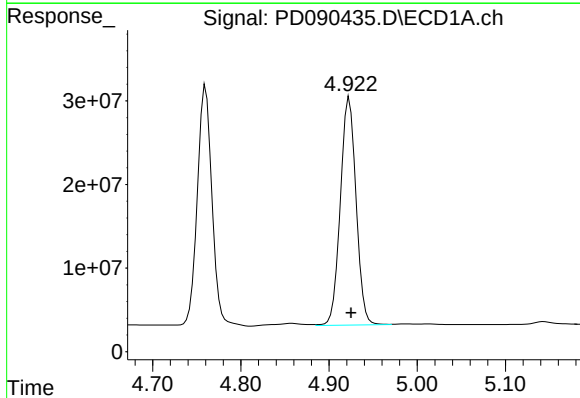
Reviewed By :Abdul Mirza 09/30/2025

Supervised By :mohammad ahmed 10/01/2025



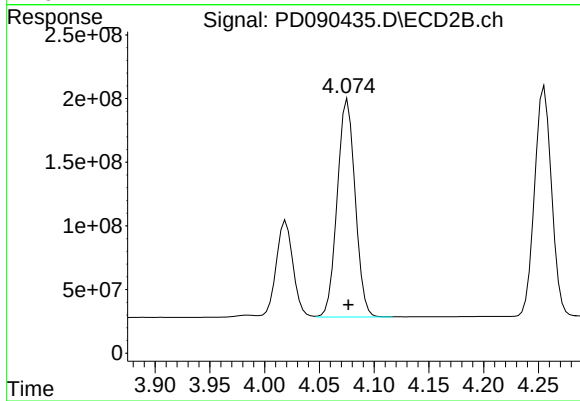
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1904026182
Conc: 46.74 ng/ml



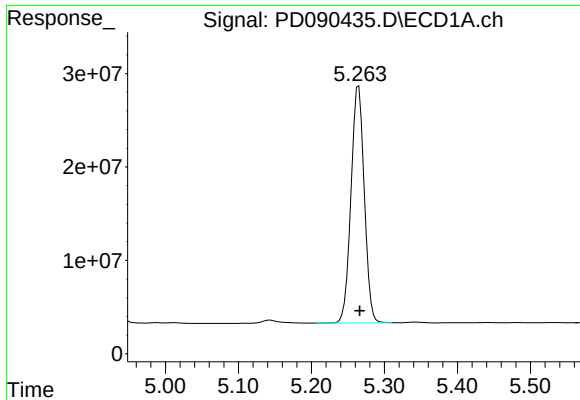
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 337248699
Conc: 51.00 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: 0.000 min
Response: 1947396254
Conc: 47.83 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 320147848
Conc: 50.42 ng/ml

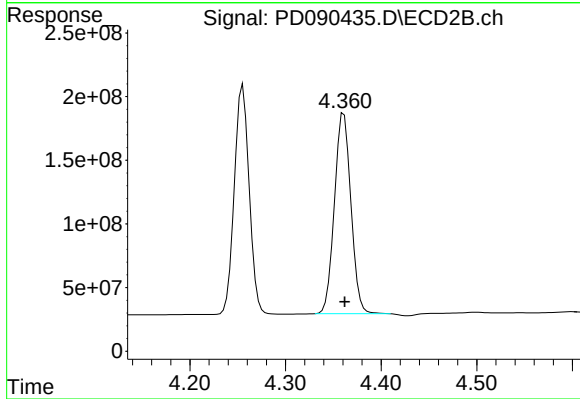
Instrument :

ECD_D

ClientSampleId :
PB169874BS

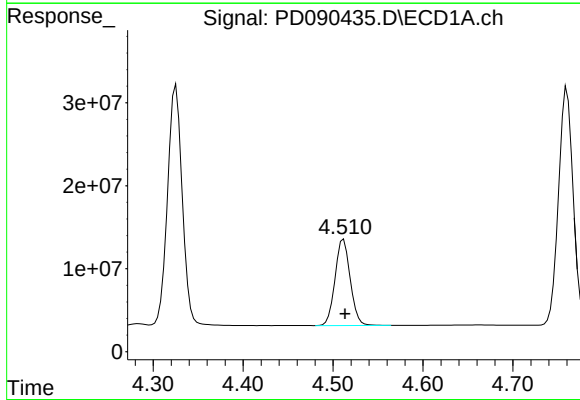
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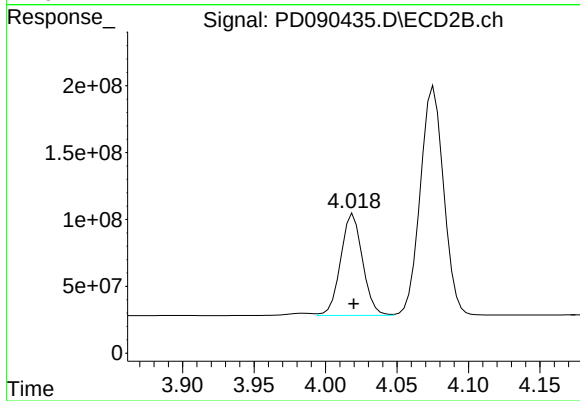
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1886392713
Conc: 47.24 ng/ml



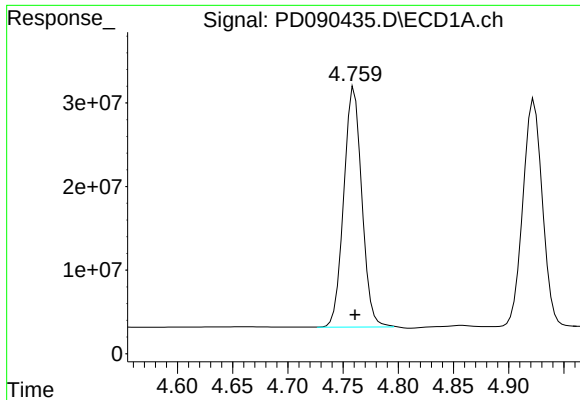
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 121950379
Conc: 47.27 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 809994027
Conc: 46.73 ng/ml



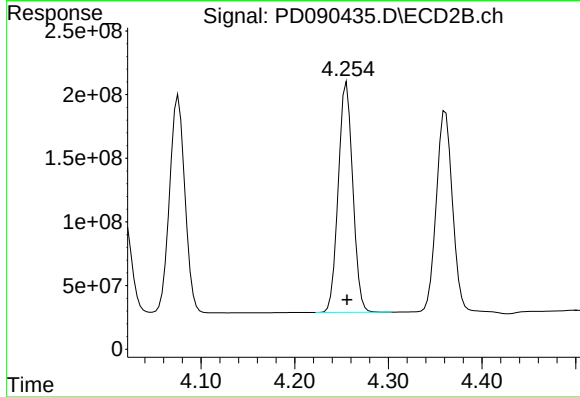
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 327130659
Conc: 50.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

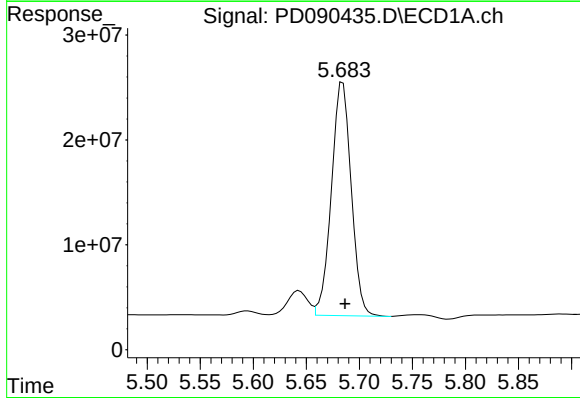
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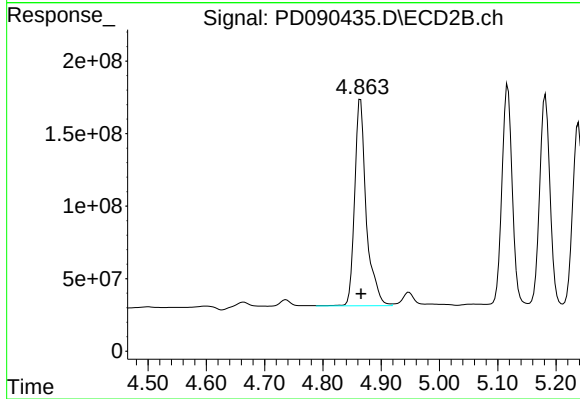
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1944514305
Conc: 47.09 ng/ml



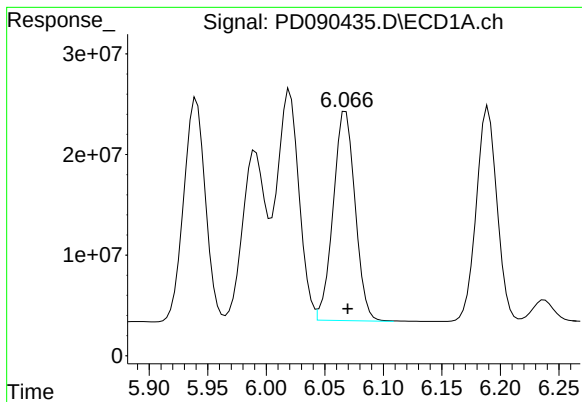
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 289688836
Conc: 50.69 ng/ml



#8 Heptachlor epoxide

R.T.: 4.865 min
Delta R.T.: -0.001 min
Response: 1980934296
Conc: 53.73 ng/ml



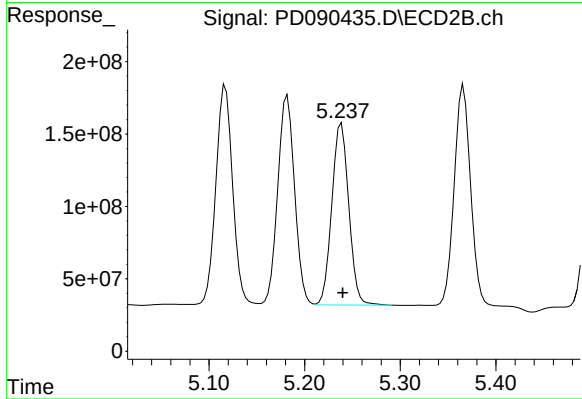
#9 Endosulfan I

R.T.: 6.066 min
Delta R.T.: -0.003 min
Response: 270654139
Conc: 50.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

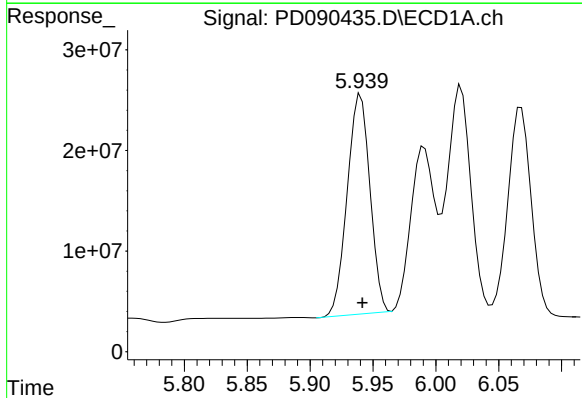
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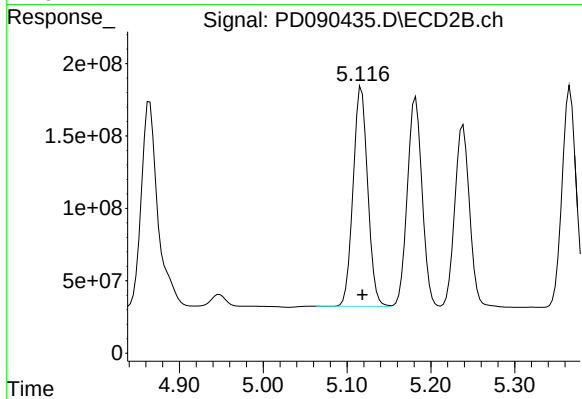
#9 Endosulfan I

R.T.: 5.239 min
Delta R.T.: -0.001 min
Response: 1543106019
Conc: 44.59 ng/ml



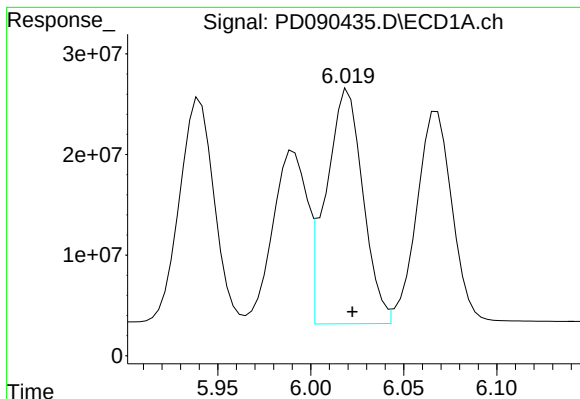
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 275010051
Conc: 48.15 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 1842858191
Conc: 46.91 ng/ml



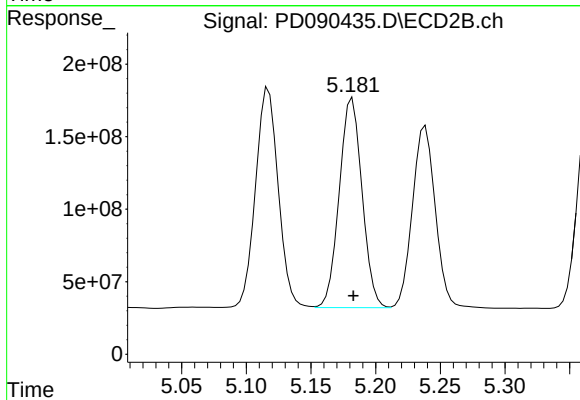
#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.004 min
Response: 315025471
Conc: 54.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

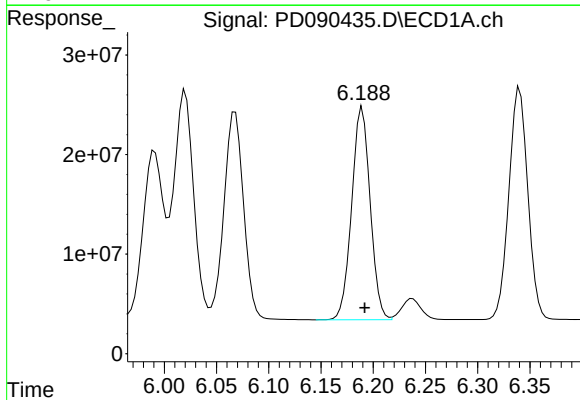
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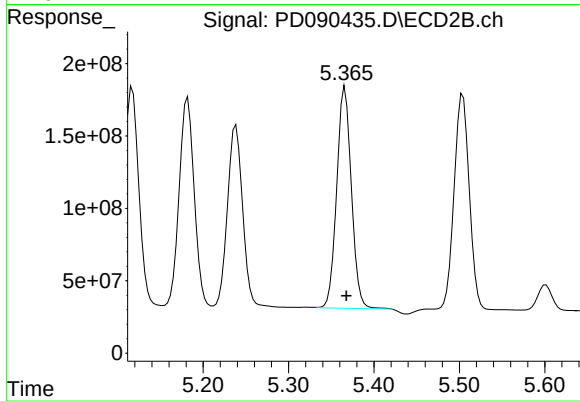
#11 alpha-Chlordane

R.T.: 5.182 min
Delta R.T.: 0.000 min
Response: 1768359651
Conc: 46.95 ng/ml



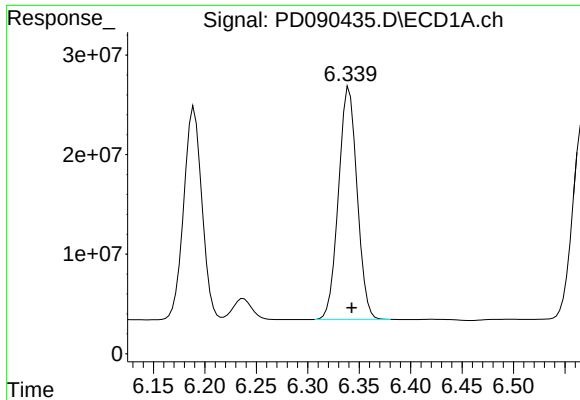
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.002 min
Response: 262738075
Conc: 50.45 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1824225380
Conc: 47.66 ng/ml



#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: -0.002 min
Response: 293902679
Conc: 50.98 ng/ml

Instrument :

ECD_D

ClientSampleId :

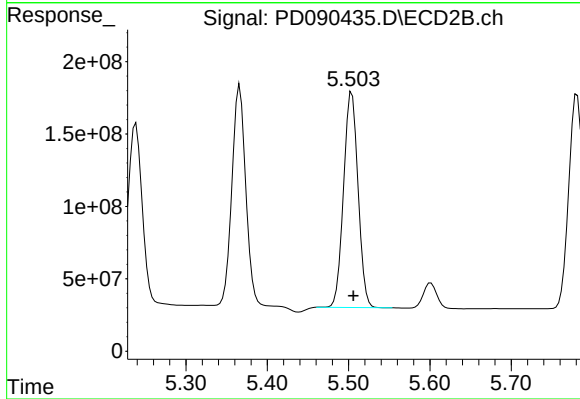
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Manual Integrations

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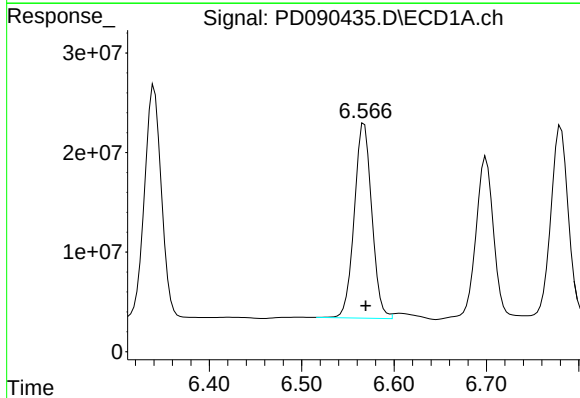
Reviewed By :Abdul Mirza 09/30/2025

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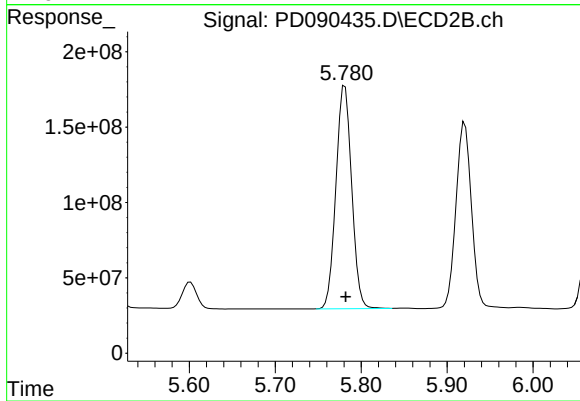
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1836254092
Conc: 47.15 ng/ml



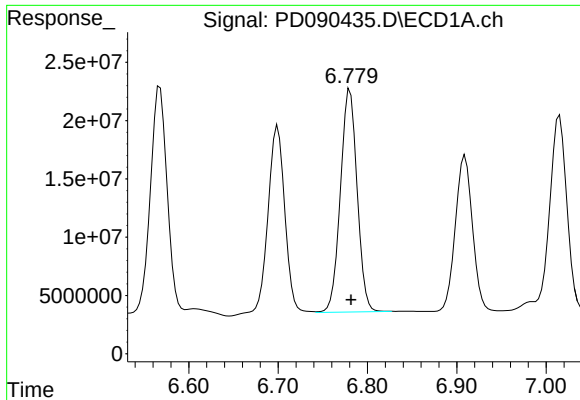
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 257624115
Conc: 52.64 ng/ml



#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1878504543
Conc: 52.43 ng/ml



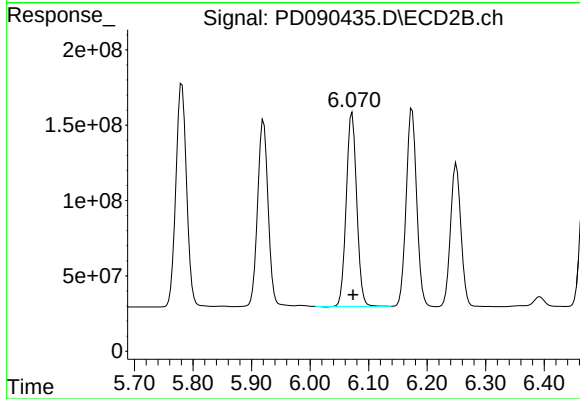
#15 Endosulfan II

R.T.: 6.779 min
Delta R.T.: -0.003 min
Response: 248451028
Conc: 50.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

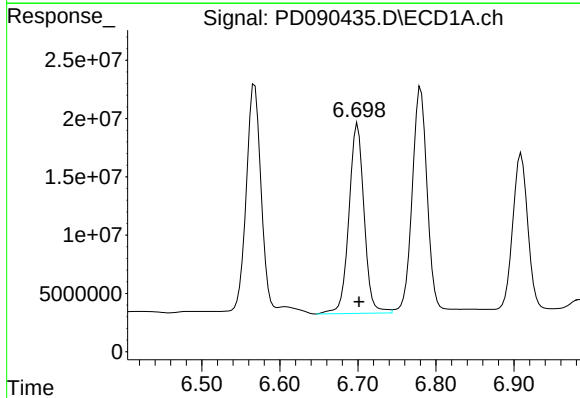
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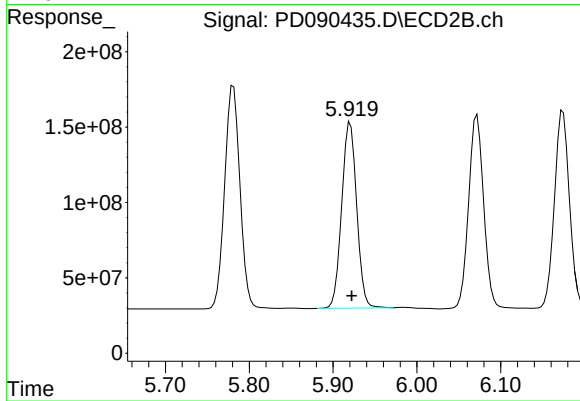
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: -0.001 min
Response: 1602022867
Conc: 47.47 ng/ml



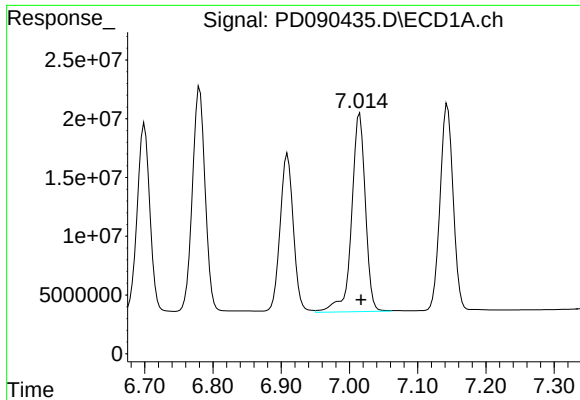
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.002 min
Response: 219711674
Conc: 53.62 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 1534721216
Conc: 47.33 ng/ml



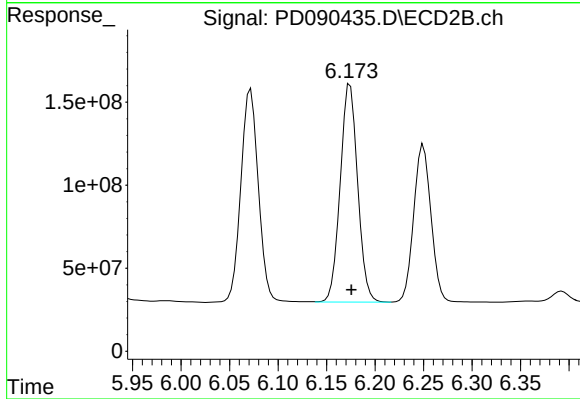
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 236756992
Conc: 53.17 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

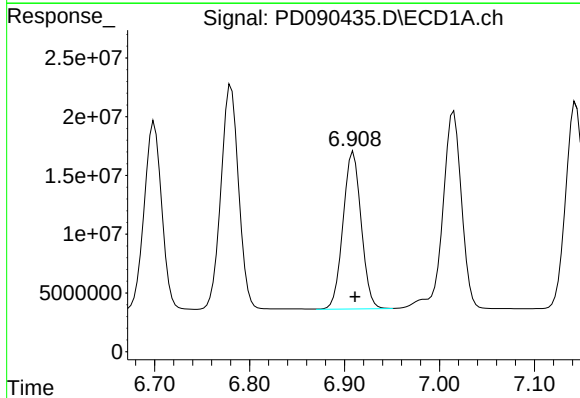
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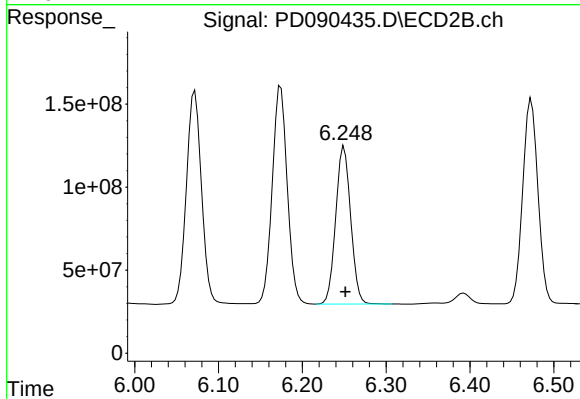
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 1641265969
Conc: 47.74 ng/ml



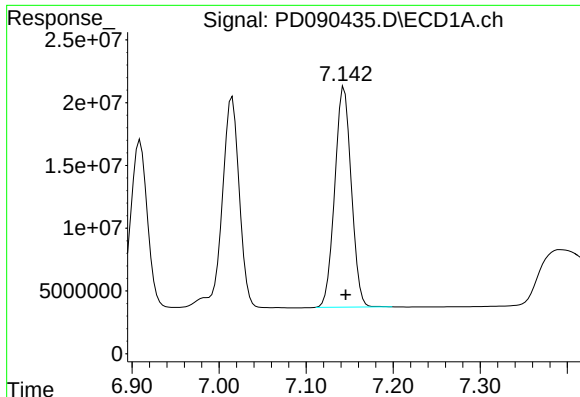
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: -0.003 min
Response: 178174600
Conc: 51.94 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1174796624
Conc: 49.89 ng/ml



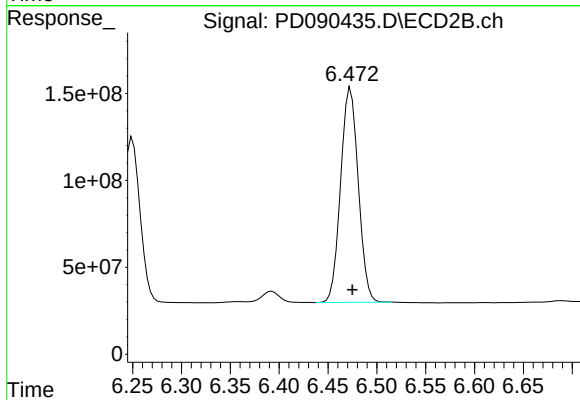
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.002 min
Response: 232225376
Conc: 50.48 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

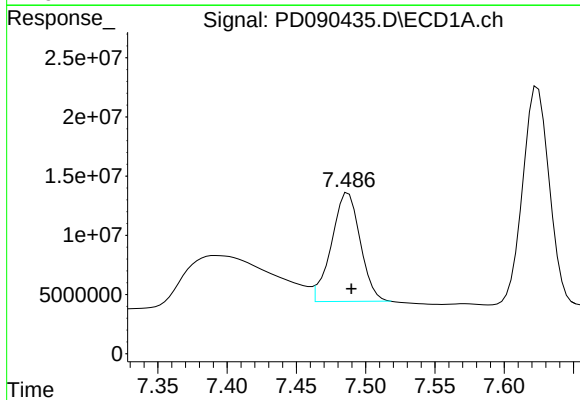
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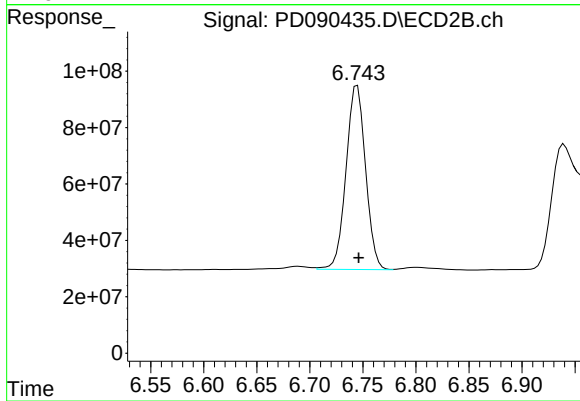
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: -0.002 min
Response: 1552220035
Conc: 47.48 ng/ml



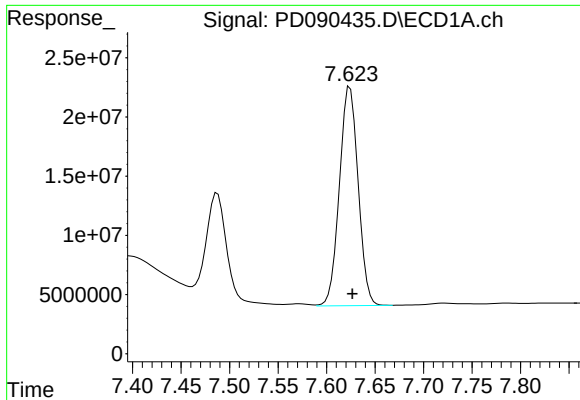
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.004 min
Response: 131708880
Conc: 55.89 ng/ml m



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 833481844
Conc: 47.90 ng/ml



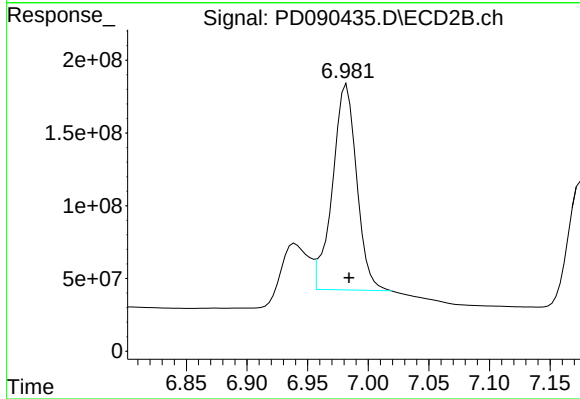
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.003 min
Response: 248433263
Conc: 50.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB169874BS

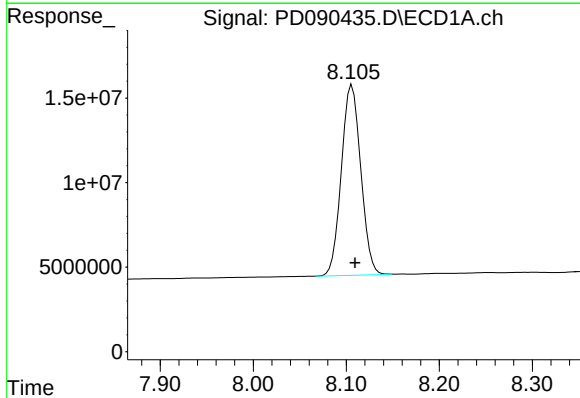
Manual Integrations
APPROVED

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



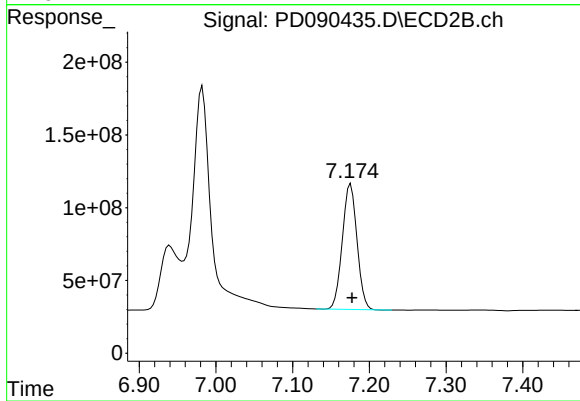
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.003 min
Response: 1947550065
Conc: 53.94 ng/ml m



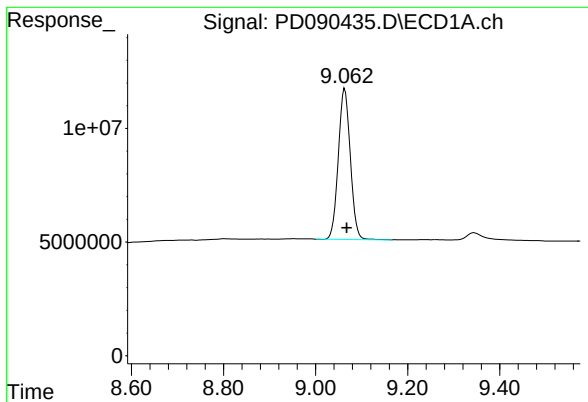
#22 Mirex

R.T.: 8.105 min
Delta R.T.: -0.005 min
Response: 163591792
Conc: 44.16 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.002 min
Response: 1148424671
Conc: 41.60 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.004 min
Response: 119957875
Conc: 24.86 ng/ml

Instrument :

ECD_D

ClientSampleId :

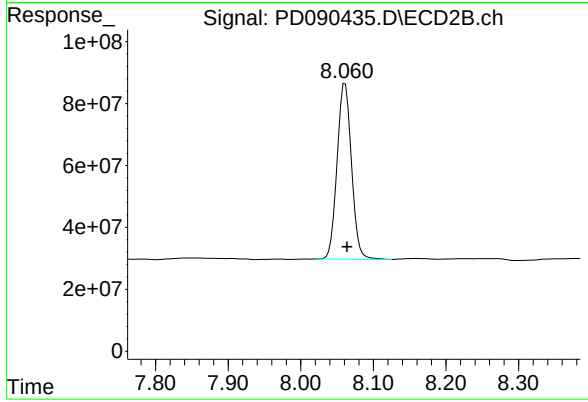
PB169874BS

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 782720300
Conc: 24.15 ng/ml