

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093025\
 Data File : PD090456.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 30 Sep 2025 14:20
 Operator : AR\AJ
 Sample : Q3200-01MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 ETGI-367MSD

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/01/2025
 Supervised By : mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 01 02:21:13 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...	3.544	2.874	45147719	398.2E6	13.890m	14.506m
28)	SA Decachlor...	9.065	8.062	62639903	360.6E6	12.982	11.125
Target Compounds							
2)	A alpha-BHC	3.995	3.387	280.5E6	1653.1E6	40.154	37.757
3)	MA gamma-BHC...	4.326	3.723	261.1E6	1530.6E6	39.456	37.575
4)	MA Heptachlor	4.924	4.075	267.7E6	1556.7E6	40.486	38.233
5)	MB Aldrin	5.265	4.359	253.5E6	1499.1E6	39.919	37.539m
6)	B beta-BHC	4.512	4.019	100.1E6	610.8E6	38.792	35.234
7)	B delta-BHC	4.759	4.255	259.9E6	1525.5E6	40.242m	36.942
8)	B Heptachlo...	5.684	4.864	266.3E6	1399.3E6	46.590	37.958
9)	A Endosulfan I	6.069	5.237	204.4E6	935.4E6	37.839	27.032 #
10)	B gamma-Chl...	5.940	5.117	214.0E6	1452.5E6	37.457	36.972
11)	B alpha-Chl...	6.019	5.181	230.0E6	1392.9E6	39.926m	36.980
12)	B 4,4'-DDE	6.191	5.365	198.2E6	1396.1E6	38.055	36.473m
13)	MA Dieldrin	6.342	5.504	226.7E6	1451.2E6	39.323	37.261
14)	MA Endrin	6.567	5.783	194.1E6	1989.6E6	39.668m	55.524 #
15)	B Endosulfa...	6.780	6.070	183.6E6	1205.0E6	37.640m	35.703m
16)	A 4,4'-DDD	6.699	5.921	160.8E6	1104.4E6	39.242m	34.058
17)	MA 4,4'-DDT	7.015	6.174	168.0E6	1226.2E6	37.735m	35.668
18)	B Endrin al...	6.909	6.250	129.9E6	818.6E6	37.877m	34.765
19)	B Endosulfa...	7.145	6.474	174.1E6	1124.8E6	37.835	34.407
20)	A Methoxychlor	7.486	6.745	157.5E6	616.8E6	66.852m	35.448 #
21)	B Endrin ke...	7.624	6.981	187.8E6	1815.5E6	37.952m	50.288m#
22)	Mirex	8.107	7.176	141.1E6	876.7E6	38.094m	31.758

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD093025\
Data File : PD090456.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 30 Sep 2025 14:20
Operator : AR\AJ
Sample : Q3200-01MSD
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :

ECD_D

ClientSampleId :

ETGI-367MSD

Manual Integrations

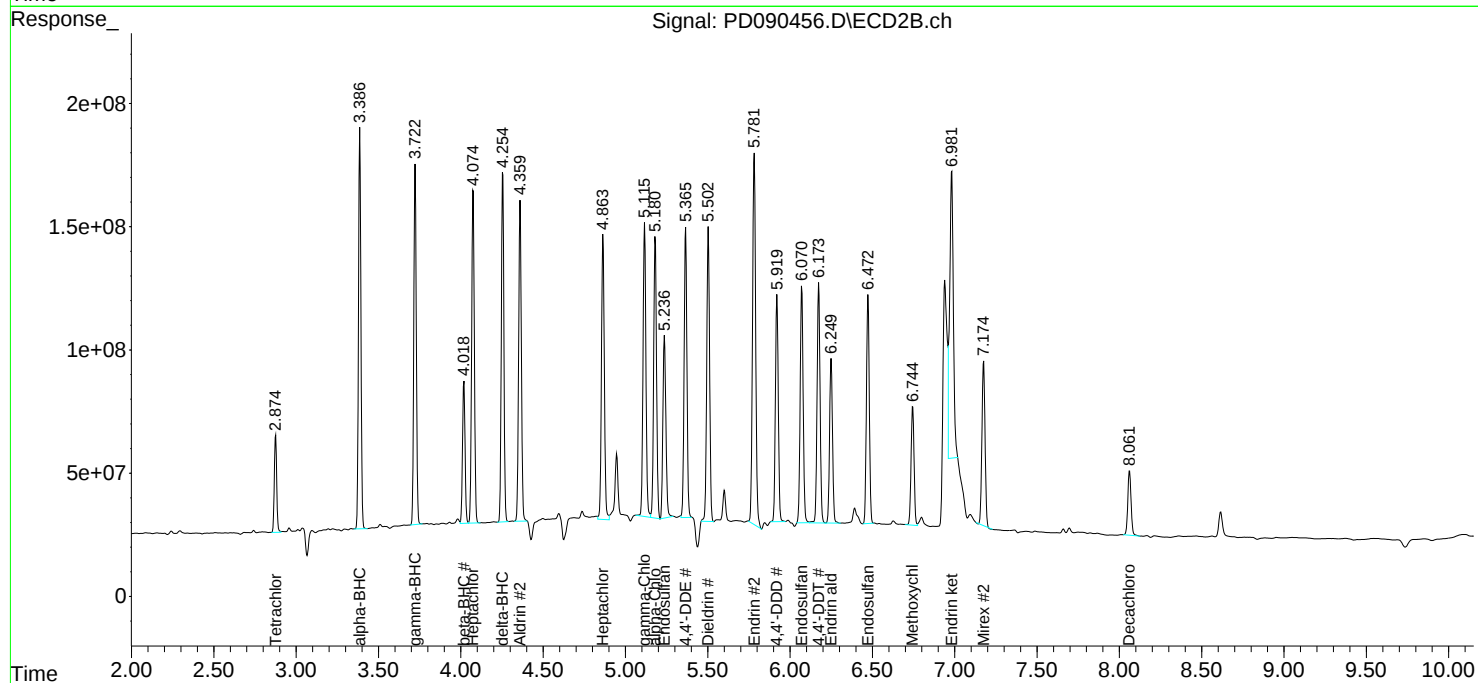
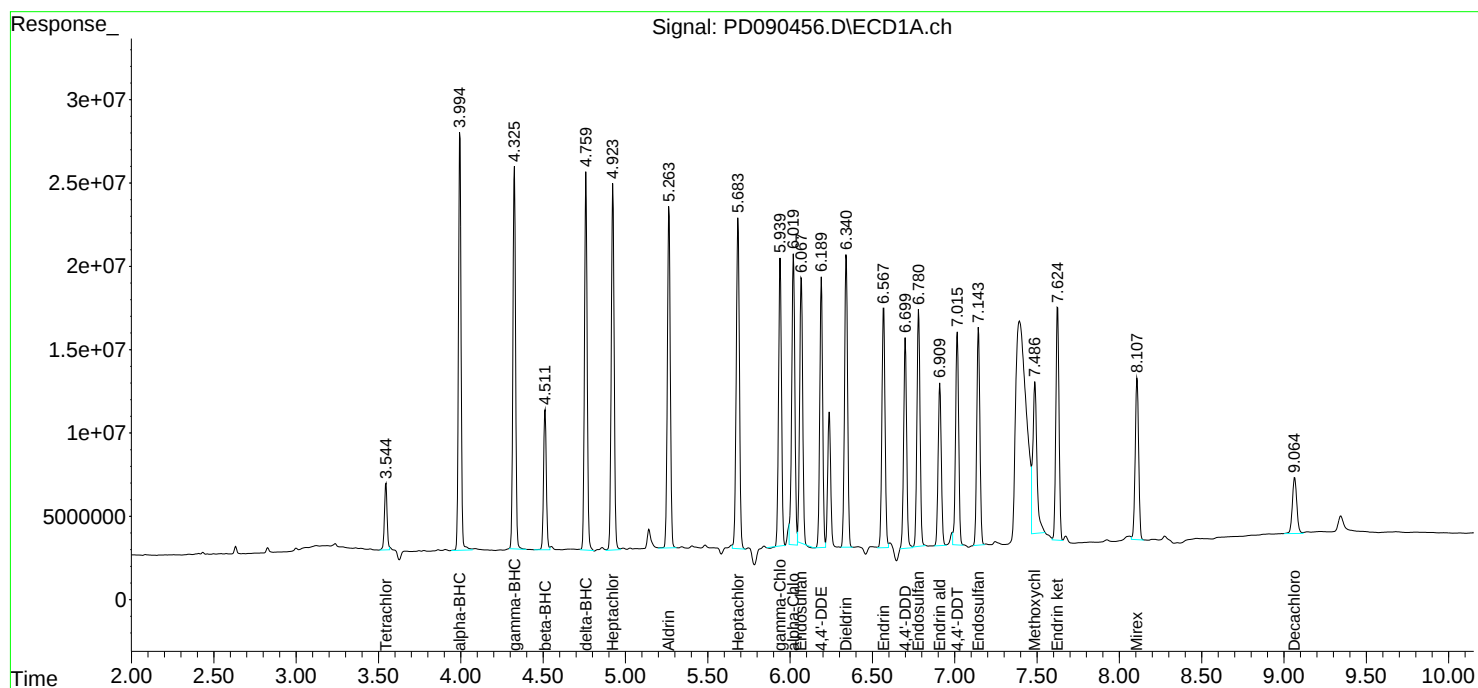
APPROVED

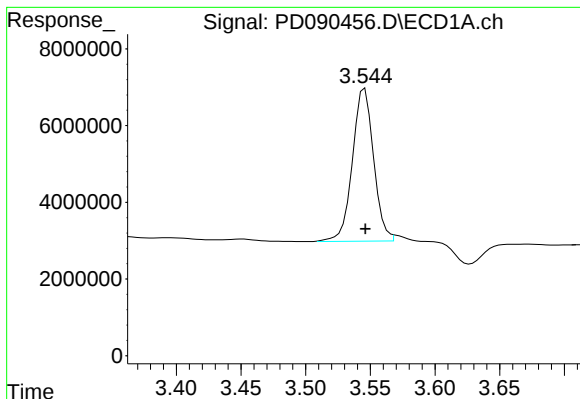
Reviewed By :Abdul Mirza 10/01/2025

Supervised By :mohammad ahmed 10/03/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 01 02:21:13 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





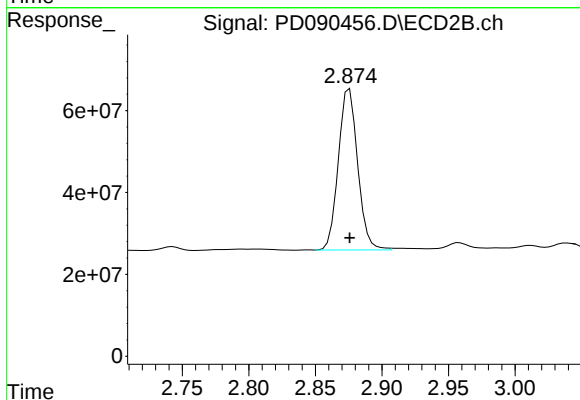
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.002 min
Response: 45147719
Conc: 13.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

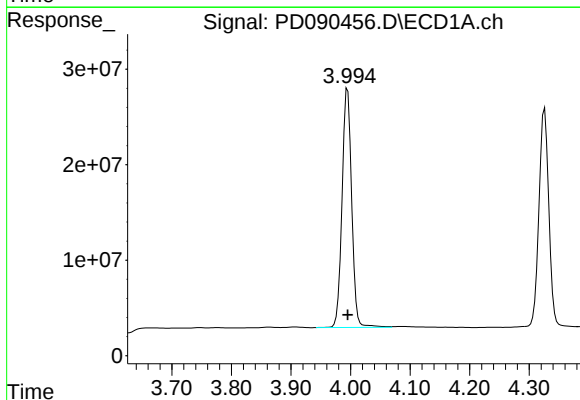
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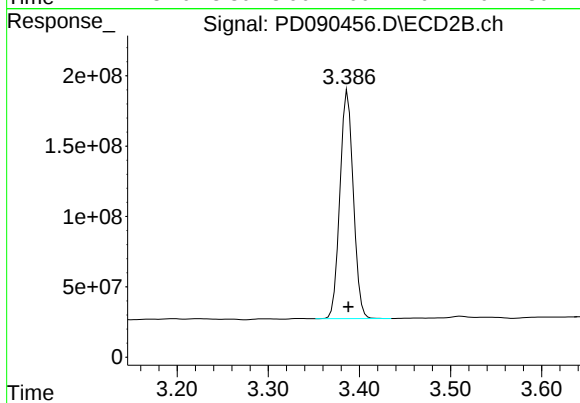
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: -0.002 min
Response: 398187279
Conc: 14.51 ng/ml m



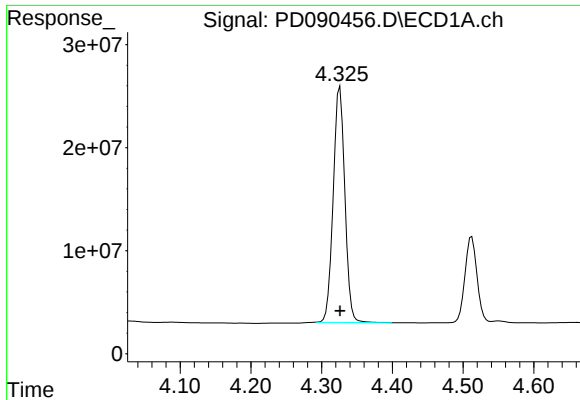
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 280459460
Conc: 40.15 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 1653112676
Conc: 37.76 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: 0.000 min
Response: 261078875
Conc: 39.46 ng/ml

Instrument :

ECD_D

ClientSampleId :

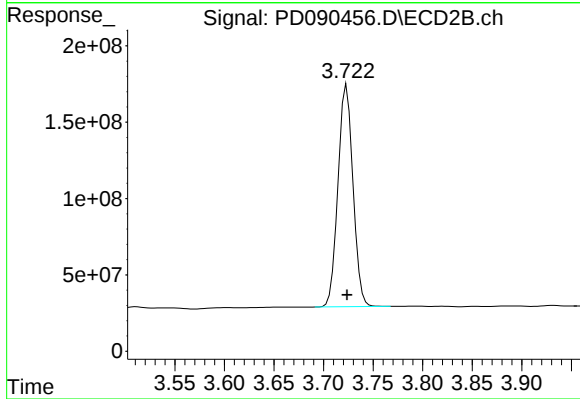
ETGI-367MSD

Manual Integrations

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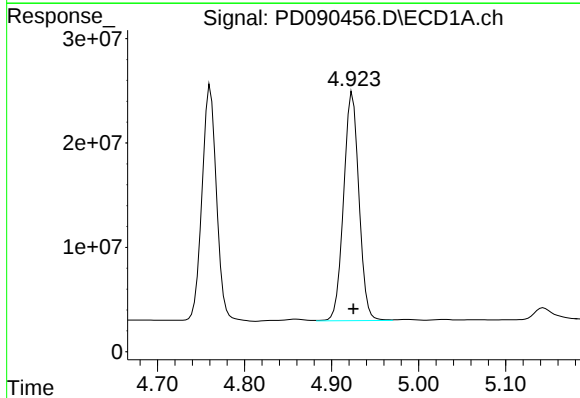
Reviewed By :Abdul Mirza 10/01/2025

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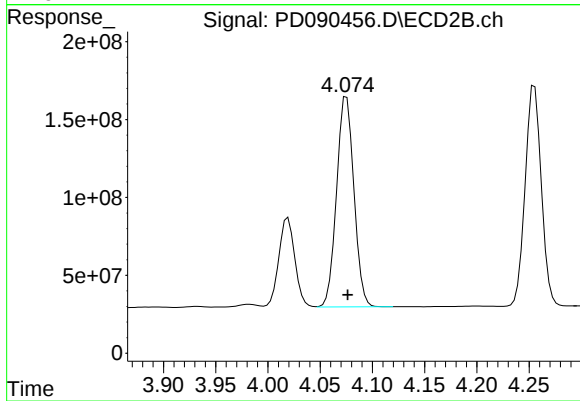
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 1530643223
Conc: 37.58 ng/ml



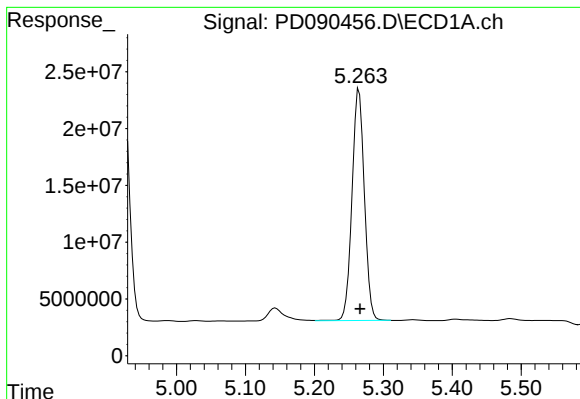
#4 Heptachlor

R.T.: 4.924 min
Delta R.T.: -0.001 min
Response: 267718884
Conc: 40.49 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 1556738025
Conc: 38.23 ng/ml



#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 253483253
Conc: 39.92 ng/ml

Instrument :

ECD_D

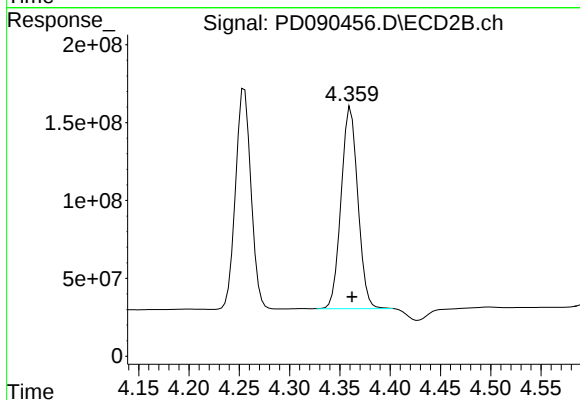
ClientSampleId :

ETGI-367MSD

Manual Integrations

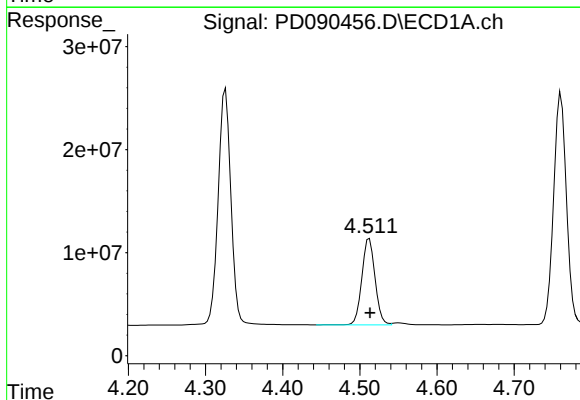
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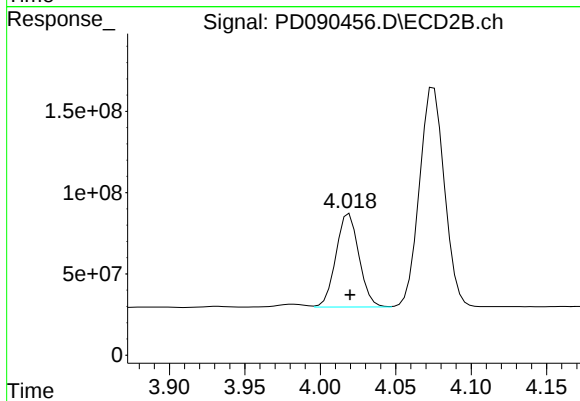
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.003 min
Response: 1499138211
Conc: 37.54 ng/ml m



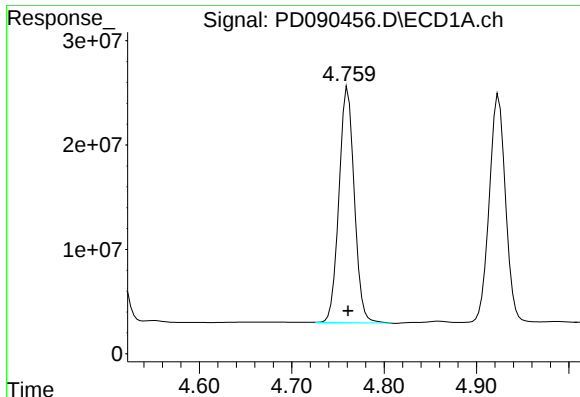
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 100080461
Conc: 38.79 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 610795539
Conc: 35.23 ng/ml



#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 259860871
Conc: 40.24 ng/ml

Instrument :

ECD_D

ClientSampleId :

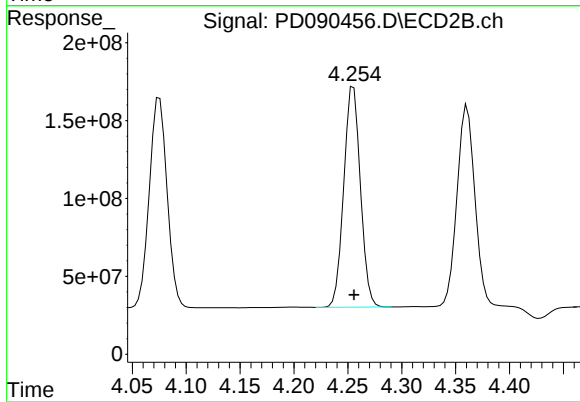
ETGI-367MSD

Manual Integrations

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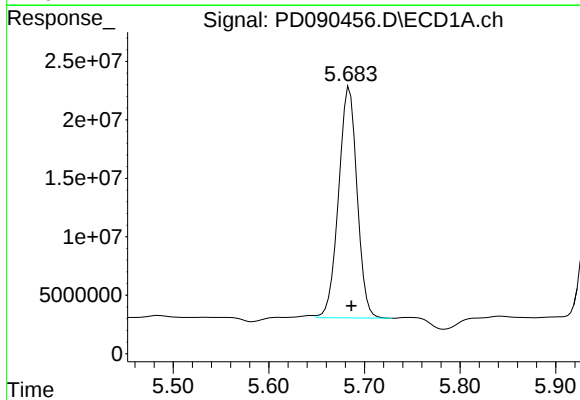
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Supervised By :mohammad ahmed 10/03/2025



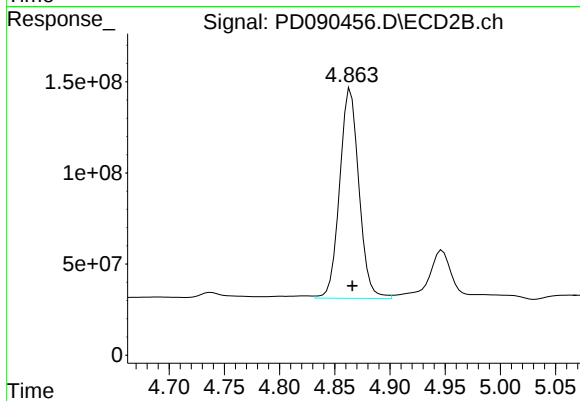
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 1525514284
Conc: 36.94 ng/ml



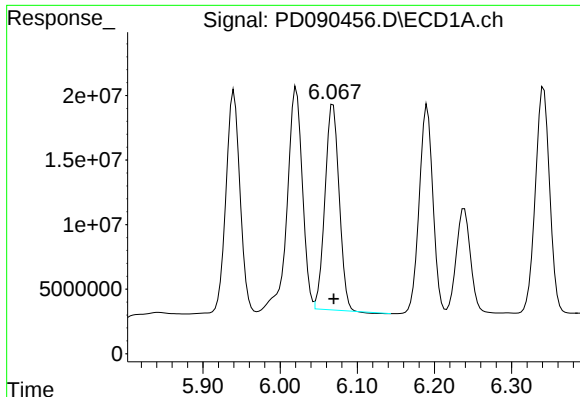
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: -0.002 min
Response: 266258430
Conc: 46.59 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1399318169
Conc: 37.96 ng/ml



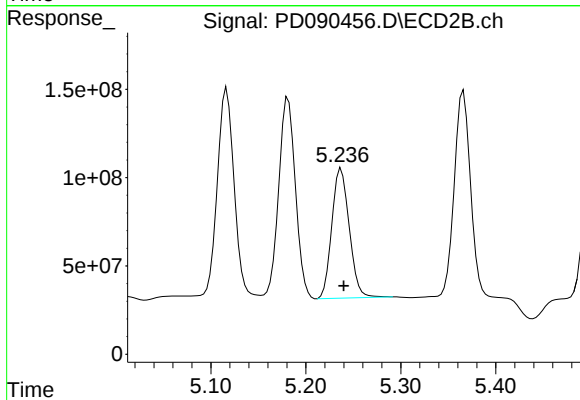
#9 Endosulfan I

R.T.: 6.069 min
Delta R.T.: -0.001 min
Response: 204388182
Conc: 37.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

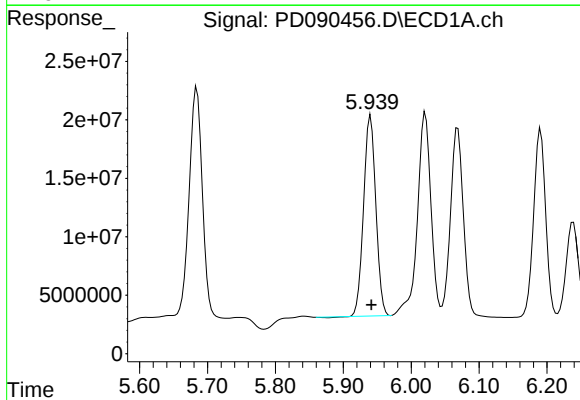
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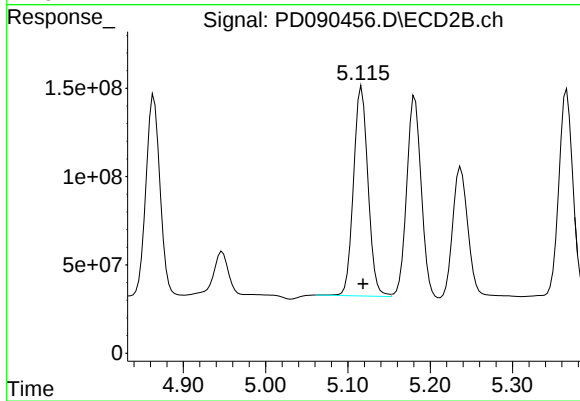
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.003 min
Response: 935445850
Conc: 27.03 ng/ml



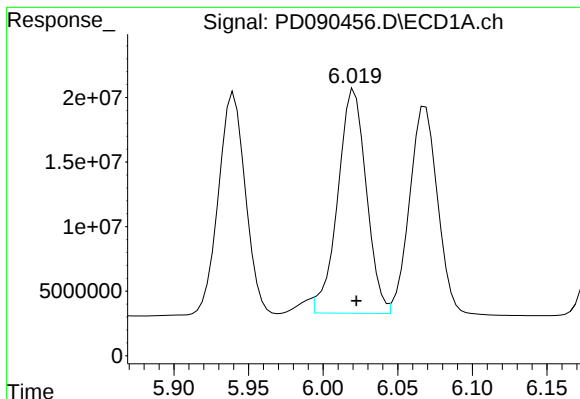
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 213954916
Conc: 37.46 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.002 min
Response: 1452512412
Conc: 36.97 ng/ml



#11 alpha-Chlordane

R.T.: 6.019 min
Delta R.T.: -0.003 min
Response: 230008937
Conc: 39.93 ng/ml

Instrument :

ECD_D

ClientSampleId :

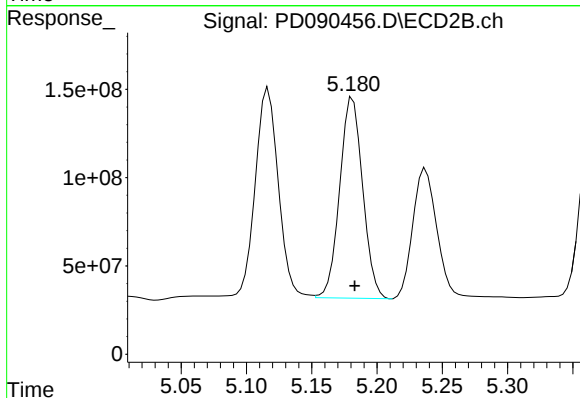
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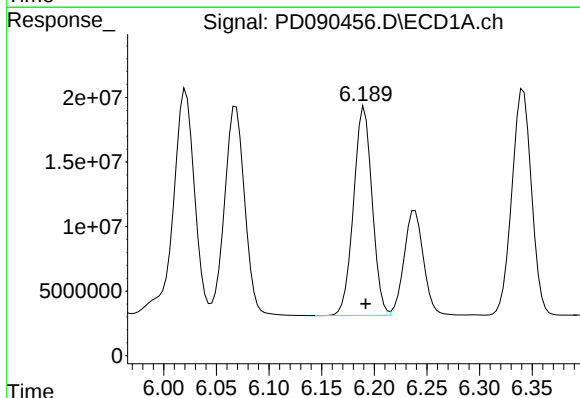
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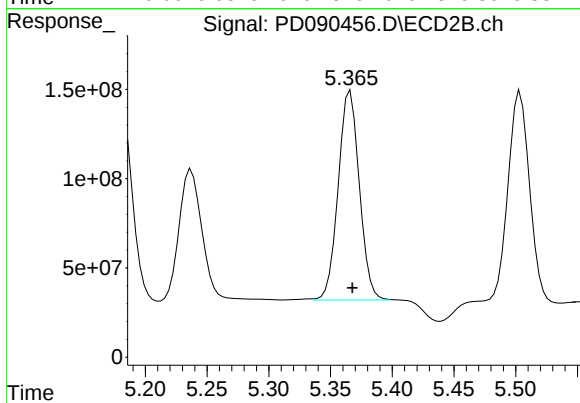
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1392873114
Conc: 36.98 ng/ml



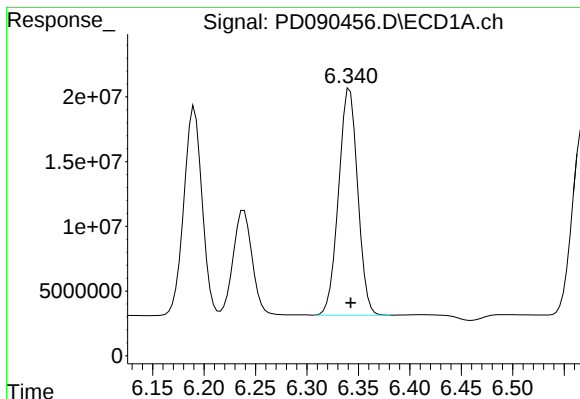
#12 4,4'-DDE

R.T.: 6.191 min
Delta R.T.: -0.001 min
Response: 198172602
Conc: 38.06 ng/ml



#12 4,4'-DDE

R.T.: 5.365 min
Delta R.T.: -0.003 min
Response: 1396140144
Conc: 36.47 ng/ml m



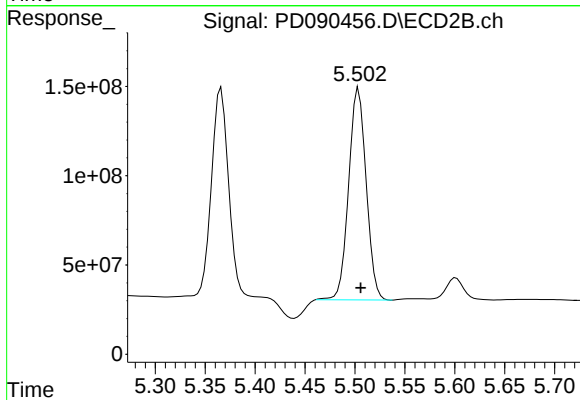
#13 Dieldrin

R.T.: 6.342 min
Delta R.T.: -0.001 min
Response: 226683598
Conc: 39.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

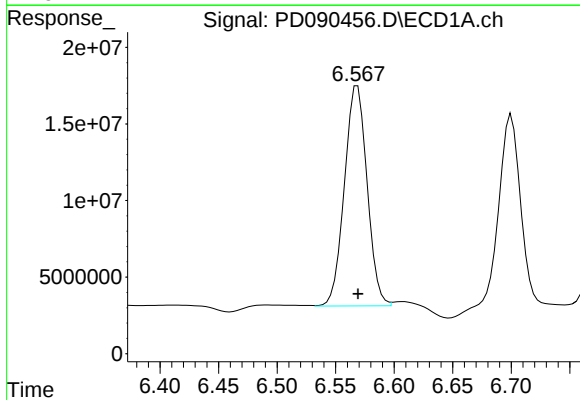
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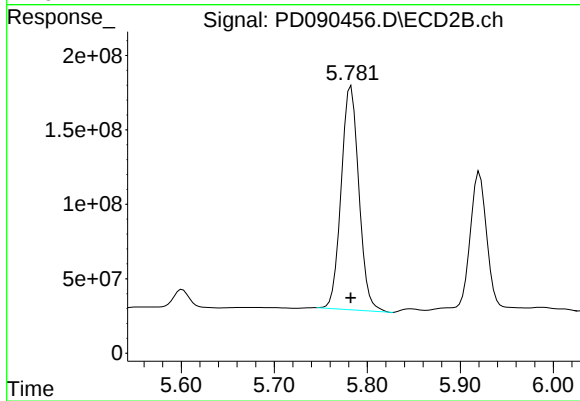
#13 Dieldrin

R.T.: 5.504 min
Delta R.T.: -0.002 min
Response: 1451154190
Conc: 37.26 ng/ml



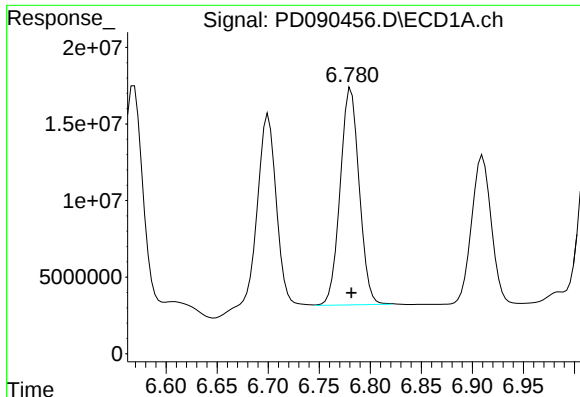
#14 Endrin

R.T.: 6.567 min
Delta R.T.: -0.002 min
Response: 194131197
Conc: 39.67 ng/ml m



#14 Endrin

R.T.: 5.783 min
Delta R.T.: 0.000 min
Response: 1989552312
Conc: 55.52 ng/ml



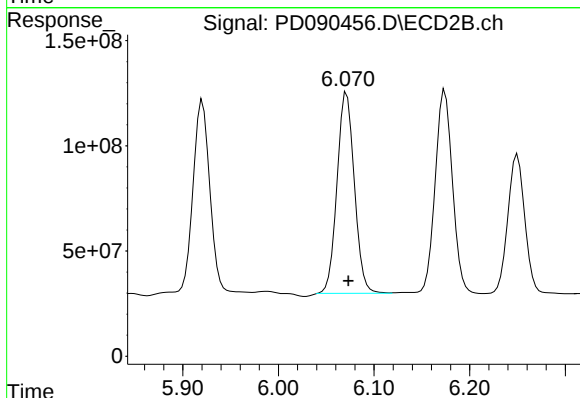
#15 Endosulfan II

R.T.: 6.780 min
Delta R.T.: -0.002 min
Response: 183601264
Conc: 37.64 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

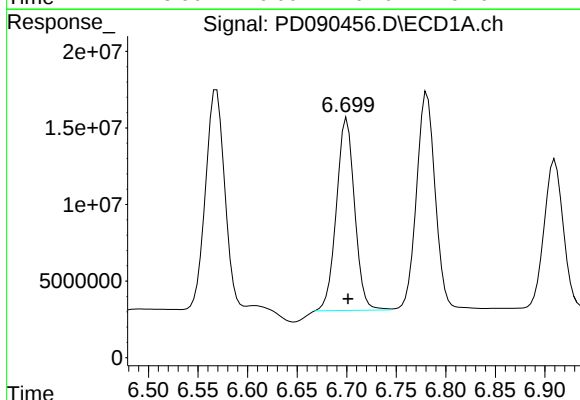
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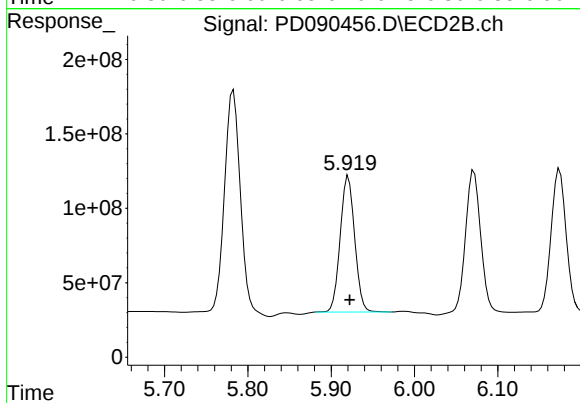
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.003 min
Response: 1205005052
Conc: 35.70 ng/ml m



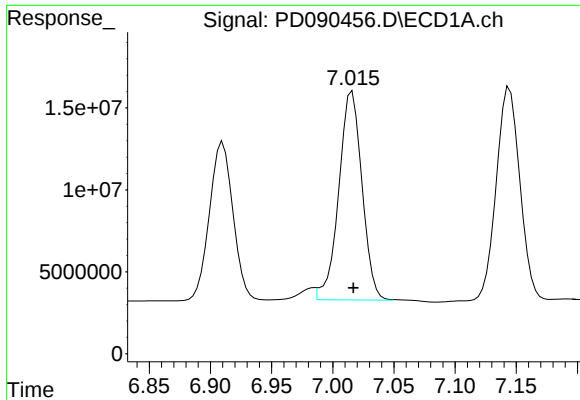
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.003 min
Response: 160807686
Conc: 39.24 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.002 min
Response: 1104434357
Conc: 34.06 ng/ml



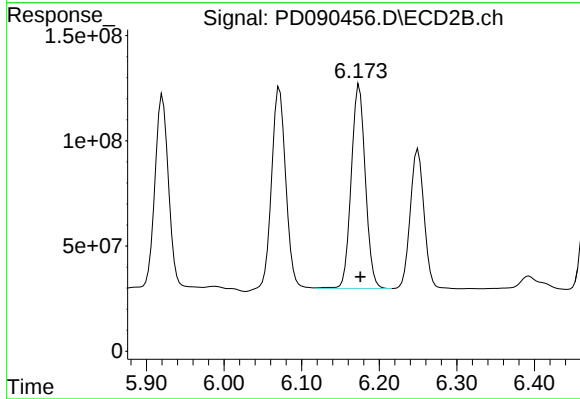
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 168013498
Conc: 37.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

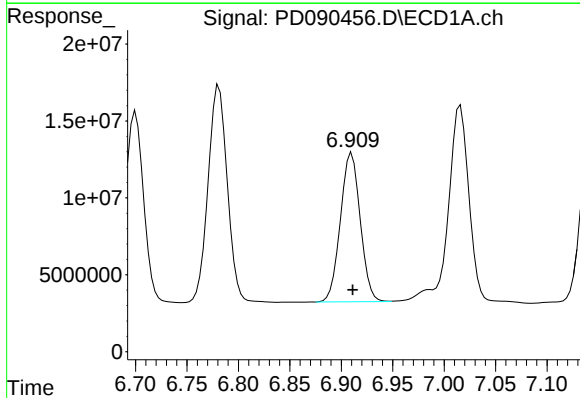
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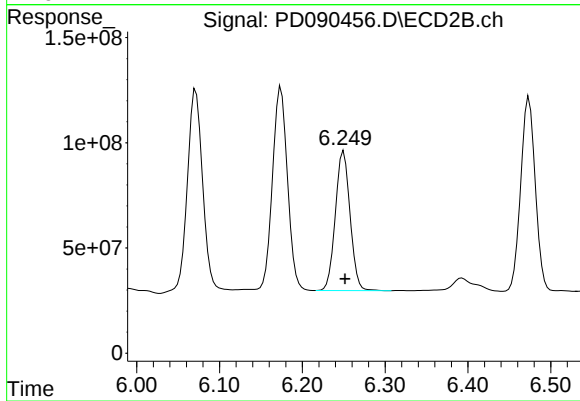
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 1226235283
Conc: 35.67 ng/ml



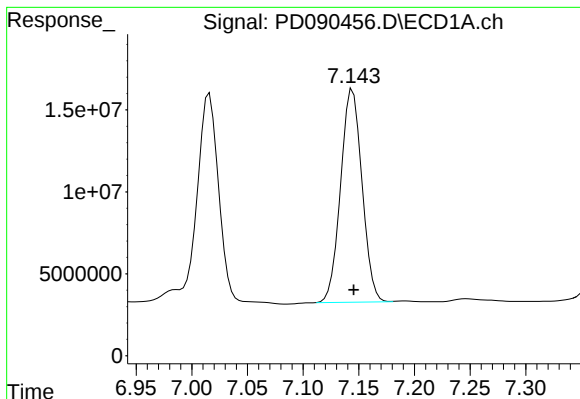
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: -0.002 min
Response: 129939024
Conc: 37.88 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 818596982
Conc: 34.76 ng/ml



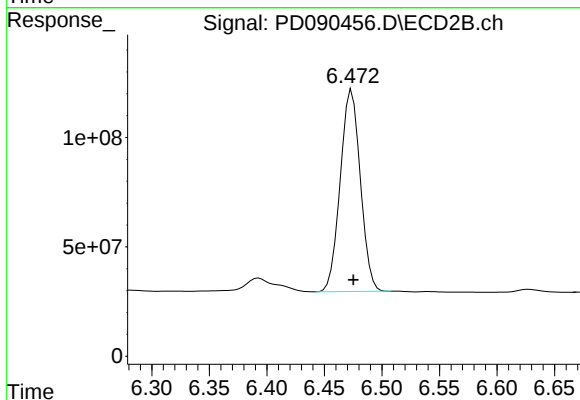
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 174054465
Conc: 37.83 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

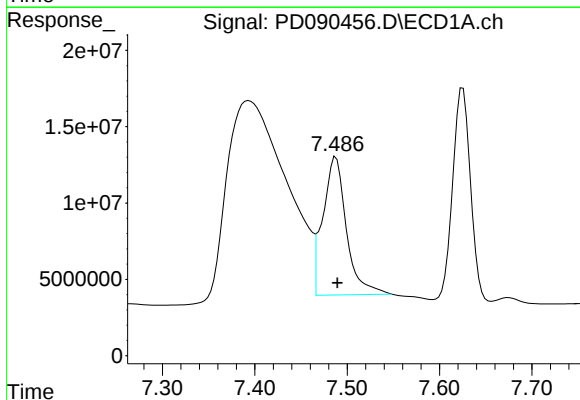
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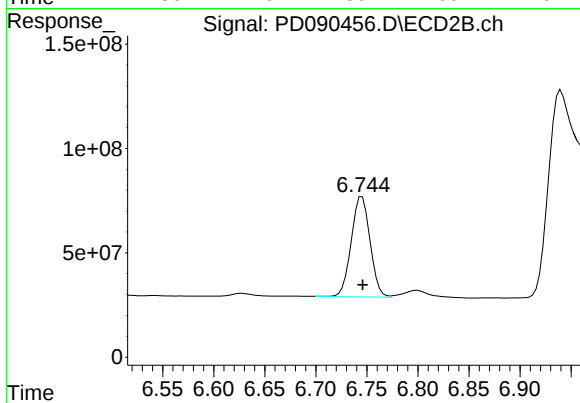
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1124770086
Conc: 34.41 ng/ml



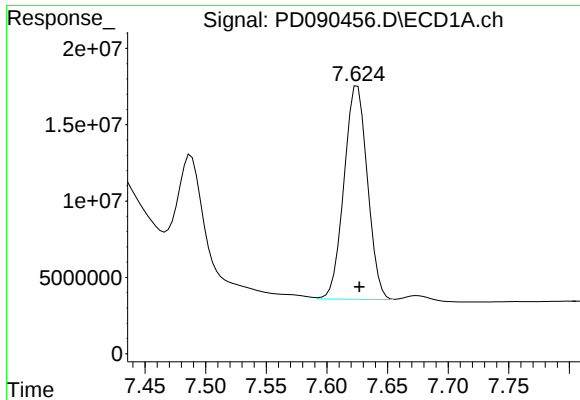
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 157536465
Conc: 66.85 ng/ml m



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 616807839
Conc: 35.45 ng/ml



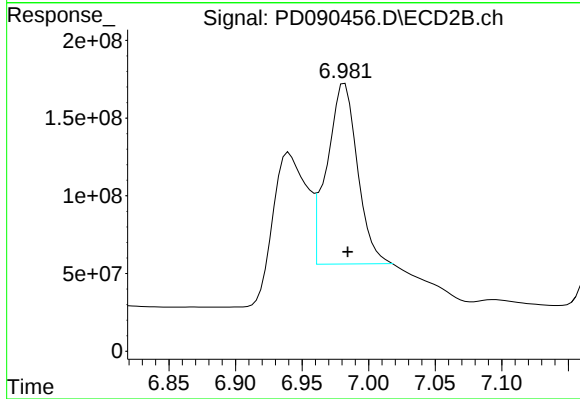
#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: -0.003 min
Response: 187763011
Conc: 37.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

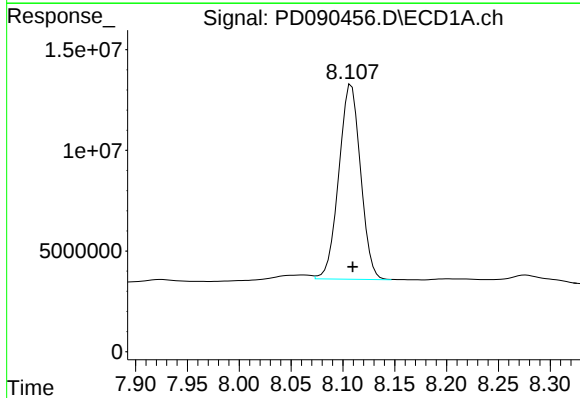
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/01/2025
Supervised By :mohammad ahmed 10/03/2025



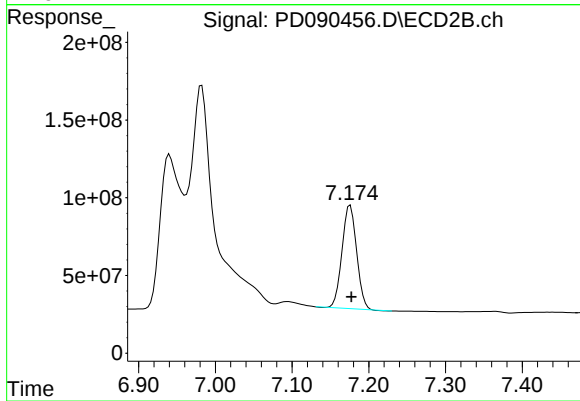
#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.004 min
Response: 1815532288
Conc: 50.29 ng/ml m



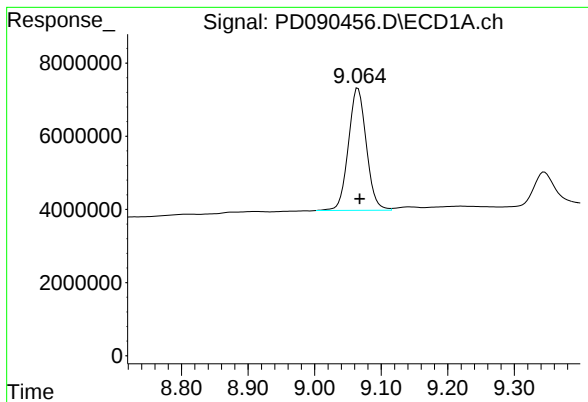
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.003 min
Response: 141133864
Conc: 38.09 ng/ml m



#22 Mirex

R.T.: 7.176 min
Delta R.T.: -0.002 min
Response: 876722509
Conc: 31.76 ng/ml



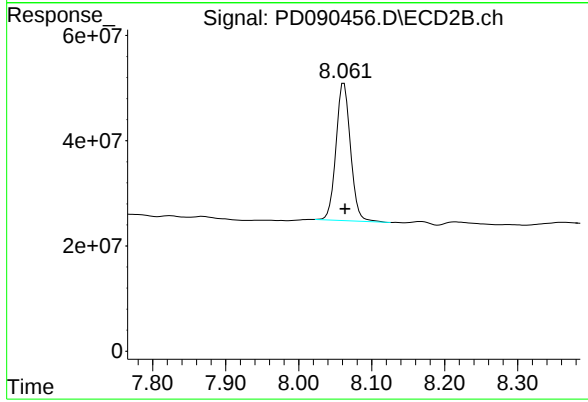
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.002 min
Response: 62639903
Conc: 12.98 ng/ml

Instrument :
ECD_D
ClientSampleId :
ETGI-367MSD

Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 10/03/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 360609890
Conc: 11.12 ng/ml