

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
 Data File : PD090589.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Oct 2025 17:51
 Operator : AR\AJ
 Sample : Q3321-02MS
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 P001-DS-01MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 10/15/2025
 Supervised By : mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 15 07:40:49 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	61988067	575.5E6	19.071	20.964
28)	SA Decachlor...	9.064	8.061	99419320	631.8E6	20.605	19.492
Target Compounds							
2)	A alpha-BHC	3.995	3.387	346.3E6	2199.3E6	49.584	50.232
3)	MA gamma-BHC...	4.325	3.723	332.2E6	2033.3E6	50.204	49.914
4)	MA Heptachlor	4.923	4.075	268.2E6	1822.4E6	40.564	44.758
5)	MB Aldrin	5.265	4.361	307.1E6	1994.9E6	48.356	49.954
6)	B beta-BHC	4.512	4.019	121.5E6	861.6E6	47.088	49.700
7)	B delta-BHC	4.759	4.255	336.5E6	2064.3E6	52.103m	49.988
8)	B Heptachlo...	5.685	4.864	273.3E6	1842.3E6	47.820	49.975
9)	A Endosulfan I	6.068	5.238	248.5E6	1723.6E6	46.009	49.806
10)	B gamma-Chl...	5.940	5.117	270.3E6	1955.3E6	47.323	49.770
11)	B alpha-Chl...	6.020	5.181	285.5E6	1871.1E6	49.561m	49.677
12)	B 4,4'-DDE	6.190	5.366	250.1E6	1904.9E6	48.032	49.764
13)	MA Dieldrin	6.341	5.503	275.9E6	1924.4E6	47.854	49.413
14)	MA Endrin	6.568	5.780	235.0E6	1756.9E6	48.010	49.030
15)	B Endosulfa...	6.781	6.072	234.3E6	1652.7E6	48.041	48.968
16)	A 4,4'-DDD	6.700	5.920	192.2E6	1583.9E6	46.906	48.844
17)	MA 4,4'-DDT	7.016	6.174	191.1E6	1462.9E6	42.922	42.553
18)	B Endrin al...	6.910	6.250	172.3E6	1227.5E6	50.218	52.129
19)	B Endosulfa...	7.144	6.474	211.8E6	1571.4E6	46.040	48.068
20)	A Methoxychlor	7.489	6.745	94134687	706.0E6	39.947	40.576
21)	B Endrin ke...	7.625	6.983	224.4E6	1653.2E6	45.361	45.792
22)	Mirex	8.107	7.175	143.6E6	1088.3E6	38.748	39.423

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD101425\
Data File : PD090589.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 14 Oct 2025 17:51
Operator : AR\AJ
Sample : Q3321-02MS
Misc :
ALS Vial : 18 Sample Multiplier: 1

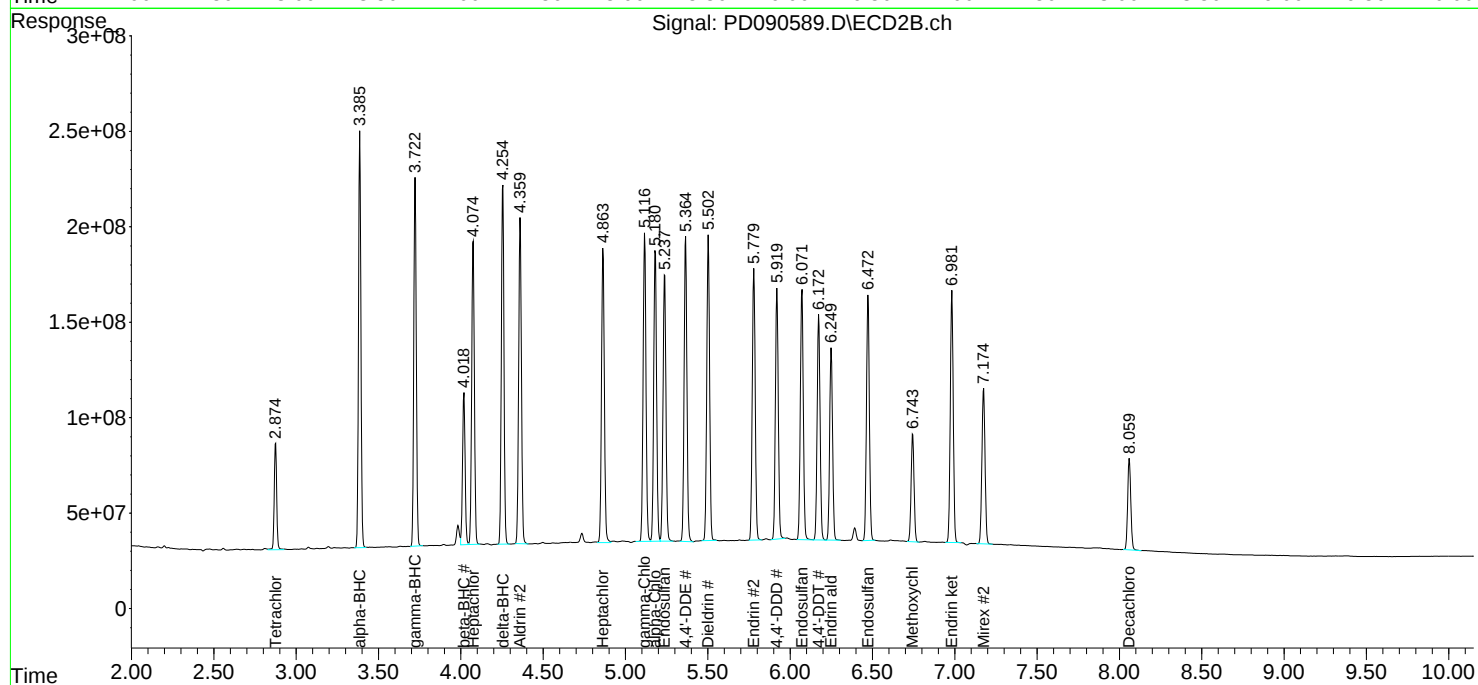
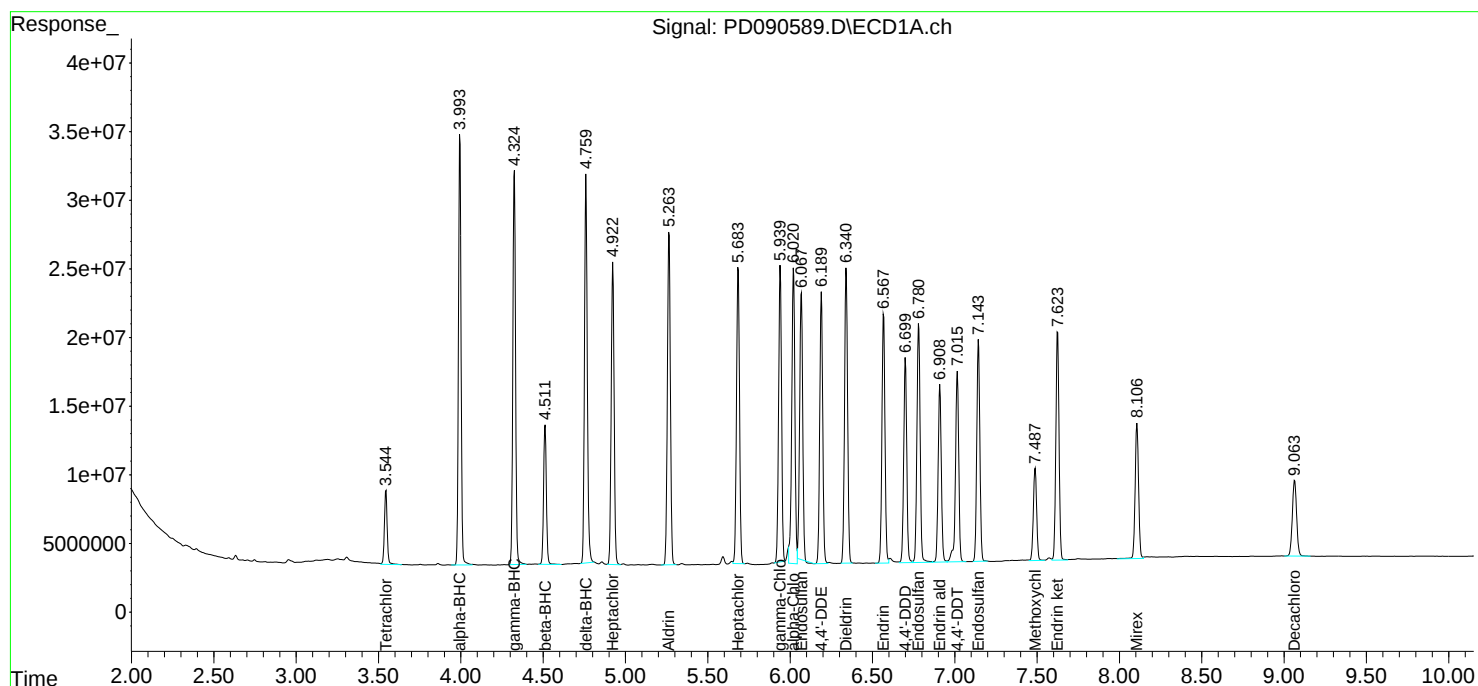
Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

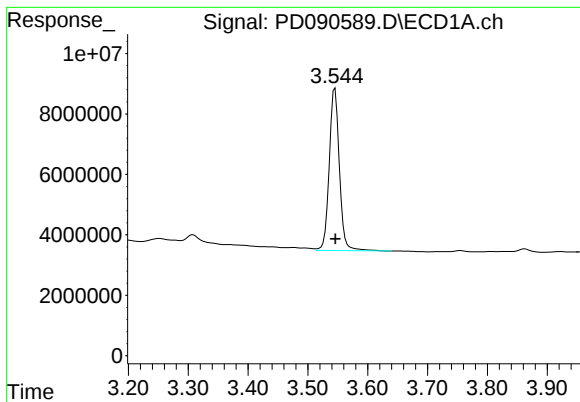
Manual Integrations
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Supervised By :mohammad ahmed 10/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 15 07:40:49 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





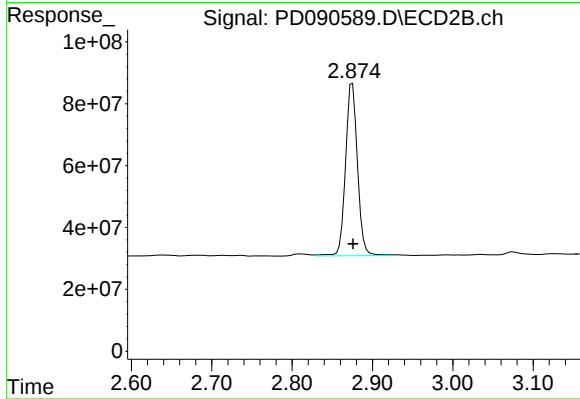
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 61988067
Conc: 19.07 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

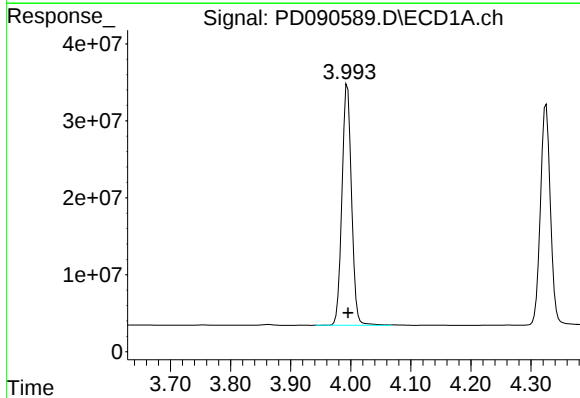
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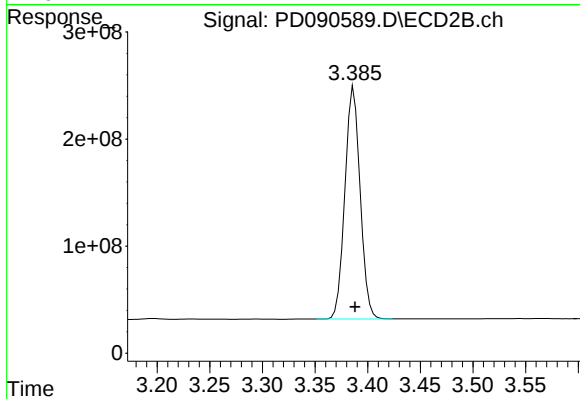
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 575464406
Conc: 20.96 ng/ml



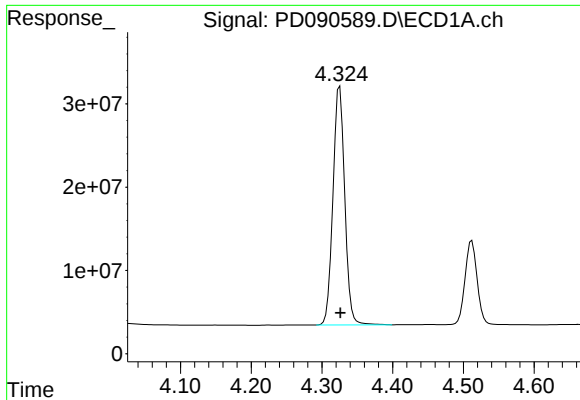
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 346319990
Conc: 49.58 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: 0.000 min
Response: 2199304616
Conc: 50.23 ng/ml



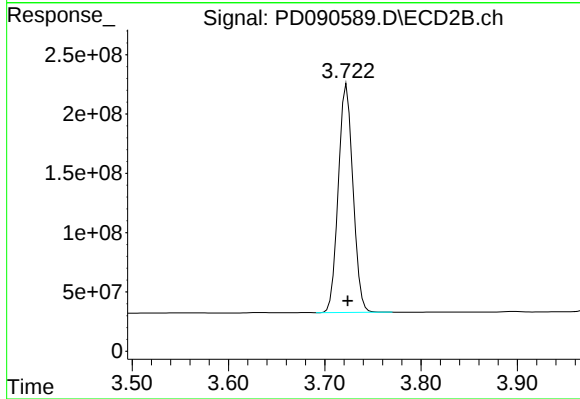
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 332193130
Conc: 50.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

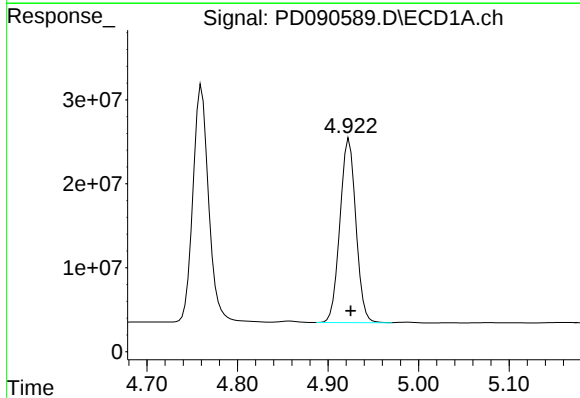
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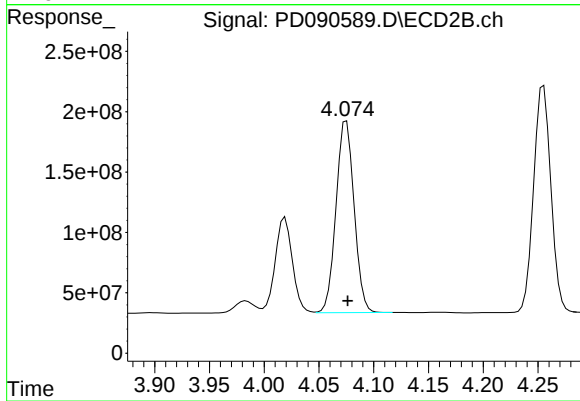
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 2033264959
Conc: 49.91 ng/ml



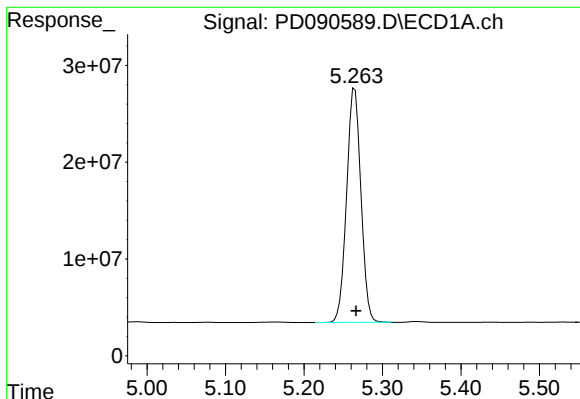
#4 Heptachlor

R.T.: 4.923 min
Delta R.T.: -0.002 min
Response: 268229830
Conc: 40.56 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: -0.001 min
Response: 1822397939
Conc: 44.76 ng/ml



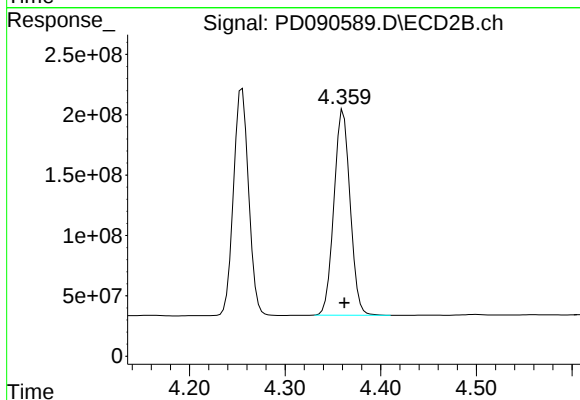
#5 Aldrin

R.T.: 5.265 min
Delta R.T.: -0.002 min
Response: 307057612
Conc: 48.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

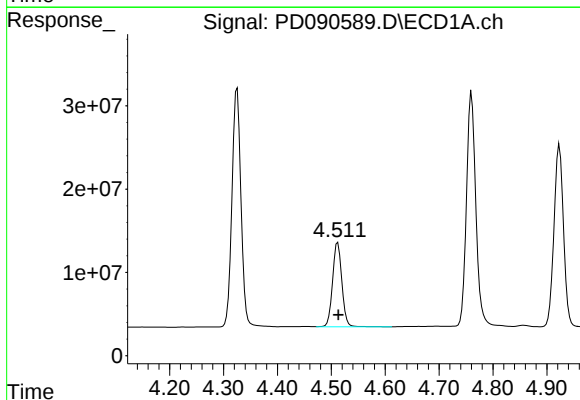
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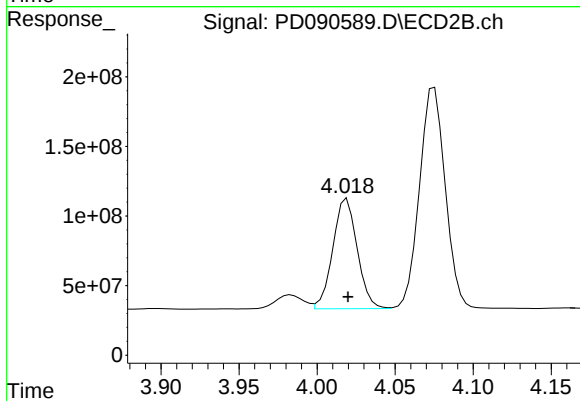
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 1994896553
Conc: 49.95 ng/ml



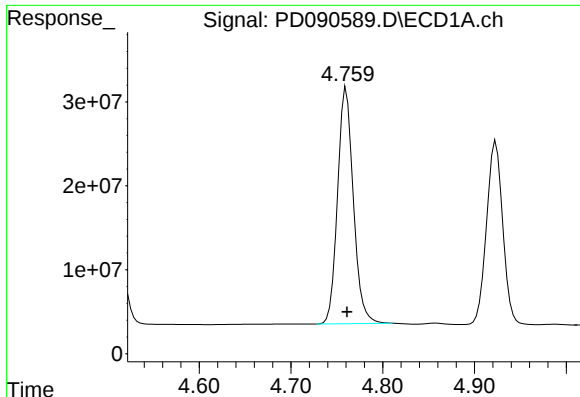
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 121484242
Conc: 47.09 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 861563356
Conc: 49.70 ng/ml



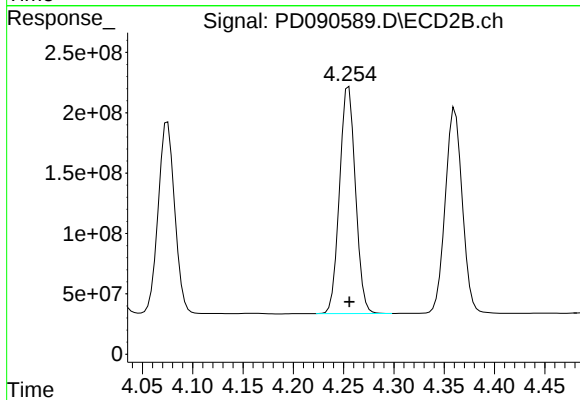
#7 delta-BHC

R.T.: 4.759 min
Delta R.T.: -0.002 min
Response: 336456797
Conc: 52.10 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

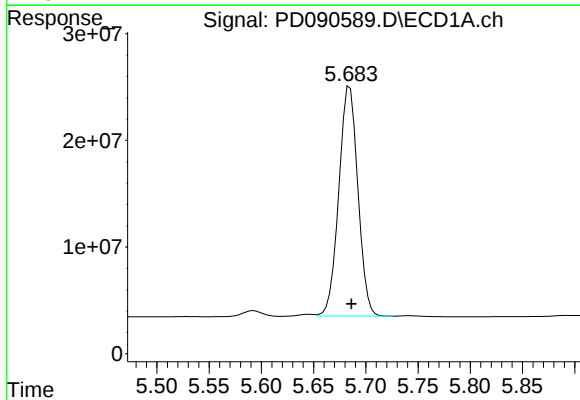
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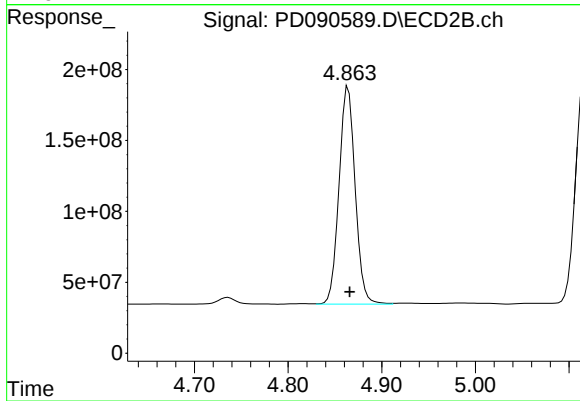
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 2064251327
Conc: 49.99 ng/ml



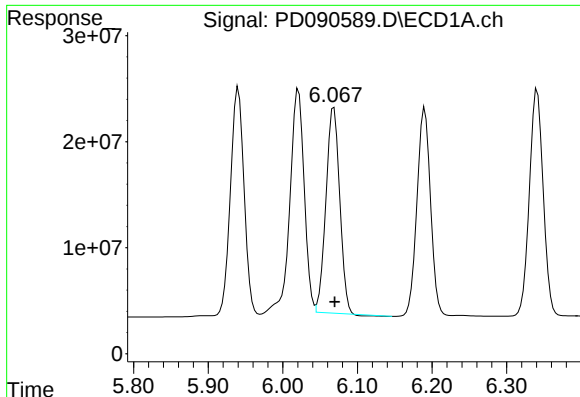
#8 Heptachlor epoxide

R.T.: 5.685 min
Delta R.T.: -0.002 min
Response: 273286133
Conc: 47.82 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.002 min
Response: 1842314431
Conc: 49.97 ng/ml



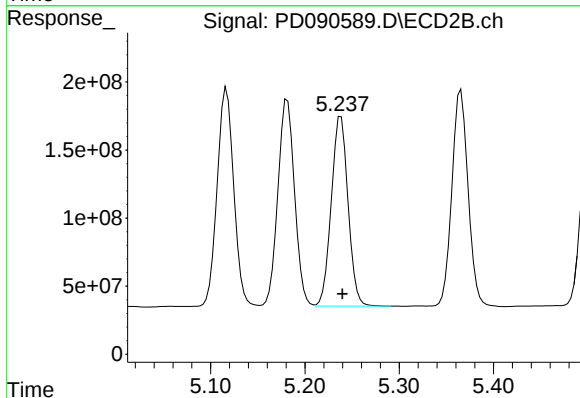
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: -0.001 min
Response: 248515757
Conc: 46.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

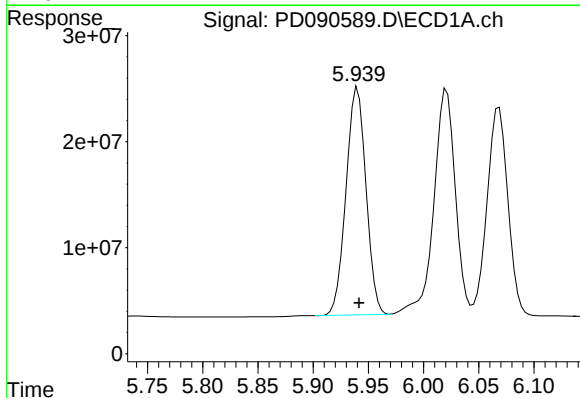
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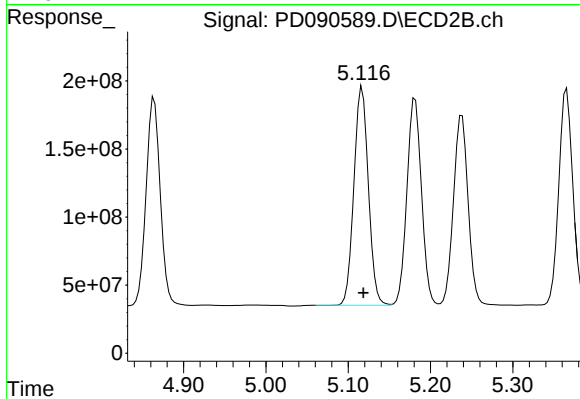
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: -0.002 min
Response: 1723551820
Conc: 49.81 ng/ml



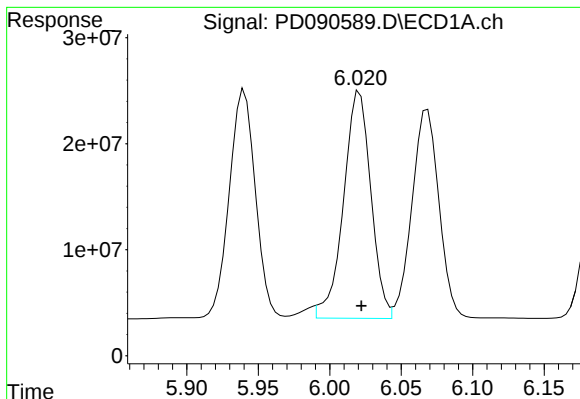
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: -0.001 min
Response: 270304434
Conc: 47.32 ng/ml



#10 gamma-Chlordane

R.T.: 5.117 min
Delta R.T.: -0.001 min
Response: 1955280065
Conc: 49.77 ng/ml



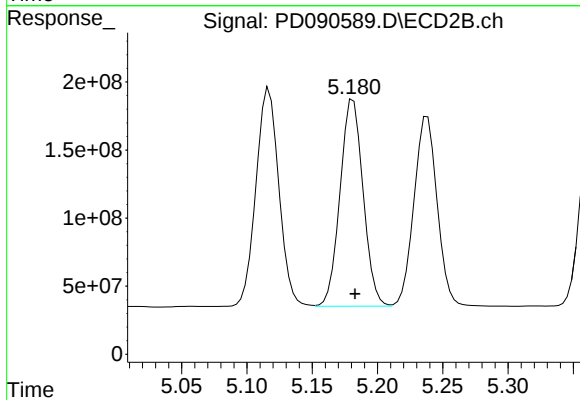
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: -0.003 min
Response: 285514760
Conc: 49.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

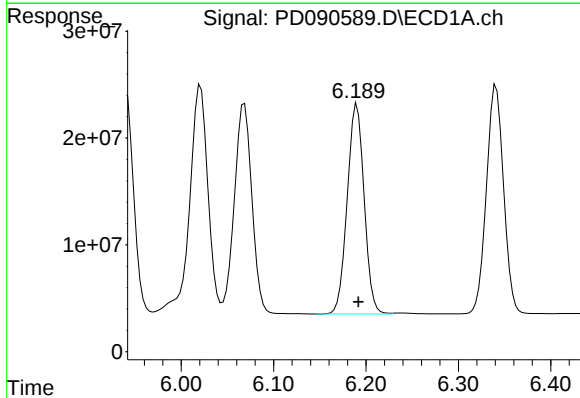
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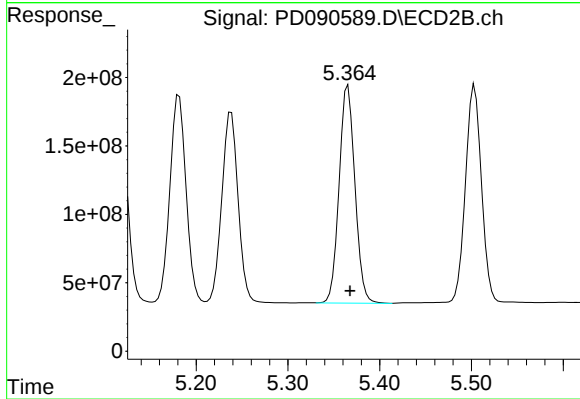
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.002 min
Response: 1871102351
Conc: 49.68 ng/ml



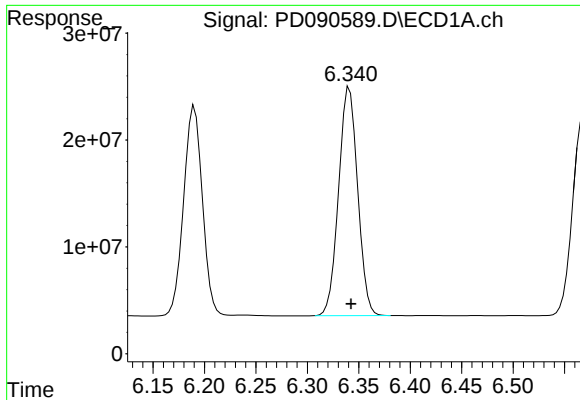
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: -0.001 min
Response: 250125472
Conc: 48.03 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: -0.002 min
Response: 1904918772
Conc: 49.76 ng/ml



#13 Dieldrin

R.T.: 6.341 min
Delta R.T.: -0.002 min
Response: 275864304
Conc: 47.85 ng/ml

Instrument :

ECD_D

ClientSampleId :

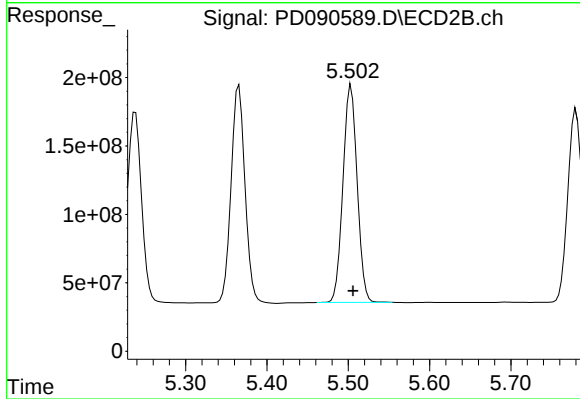
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Manual Integrations

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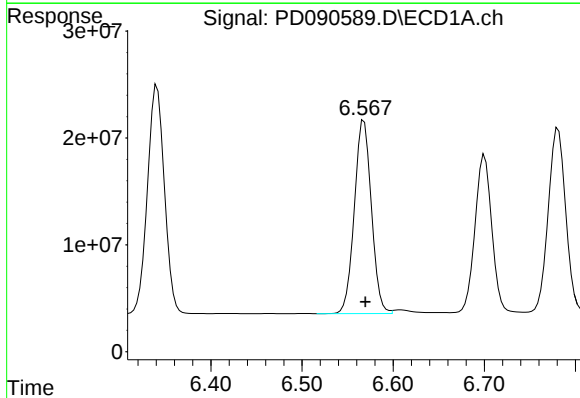
Reviewed By :Abdul Mirza 10/15/2025

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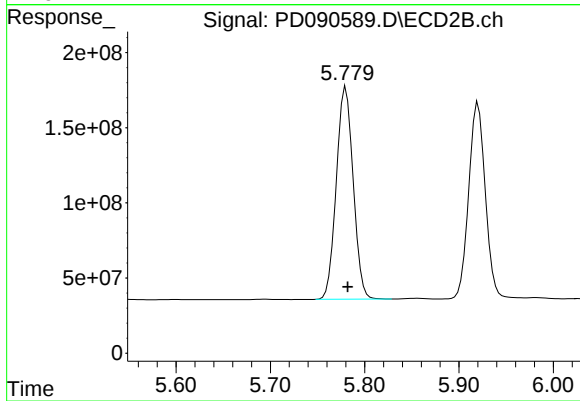
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: -0.002 min
Response: 1924419871
Conc: 49.41 ng/ml



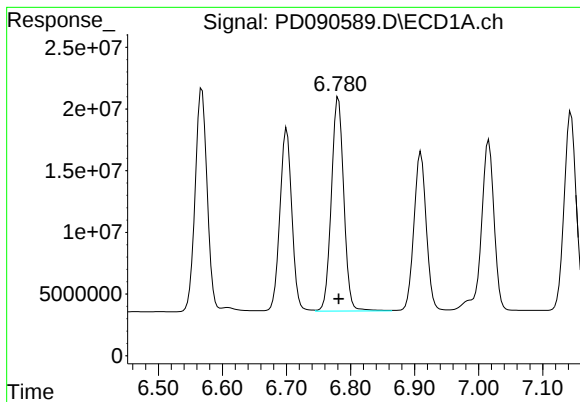
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 234956565
Conc: 48.01 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1756855751
Conc: 49.03 ng/ml



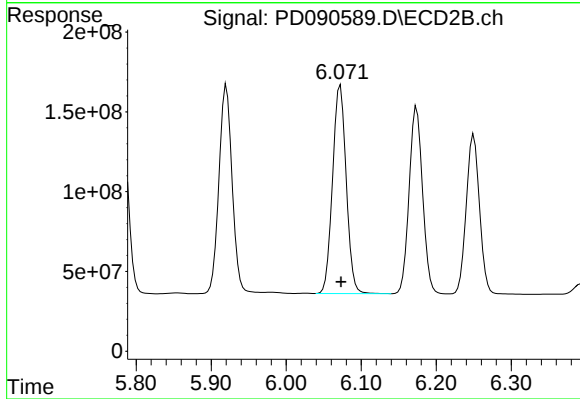
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 234335632
Conc: 48.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

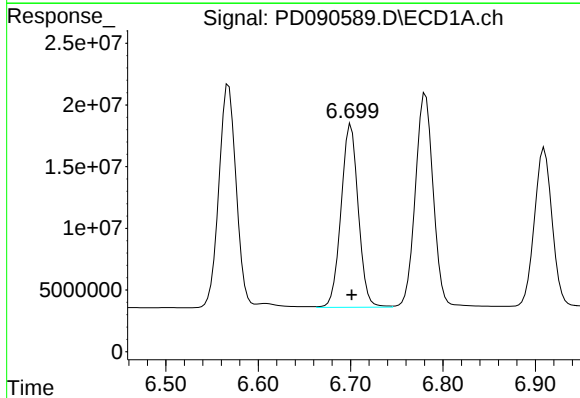
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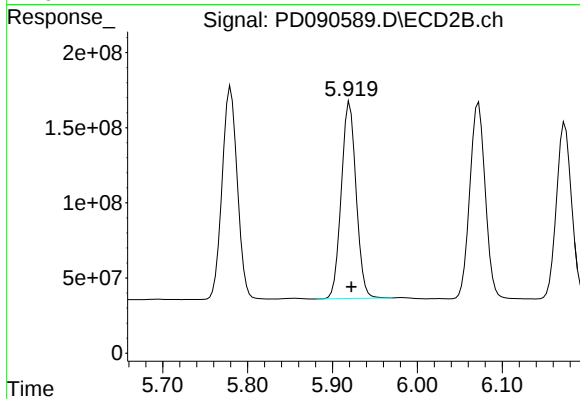
#15 Endosulfan II

R.T.: 6.072 min
Delta R.T.: 0.000 min
Response: 1652700595
Conc: 48.97 ng/ml



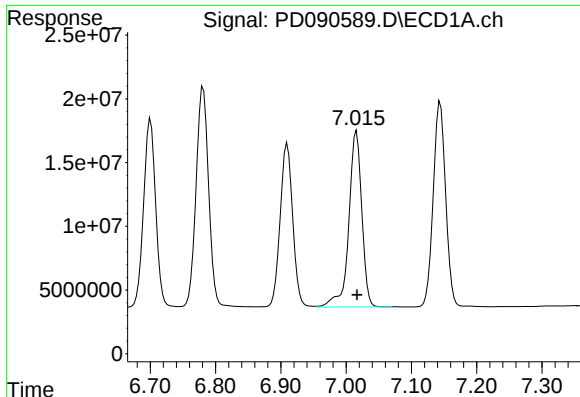
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: -0.001 min
Response: 192211059
Conc: 46.91 ng/ml



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 1583907007
Conc: 48.84 ng/ml



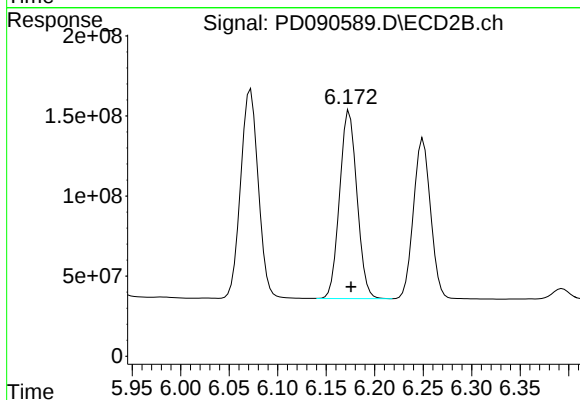
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 191110217
Conc: 42.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

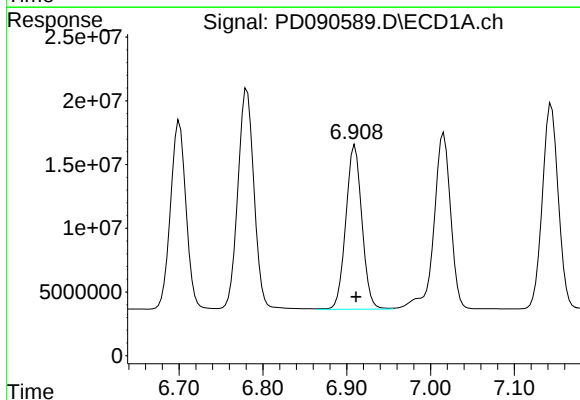
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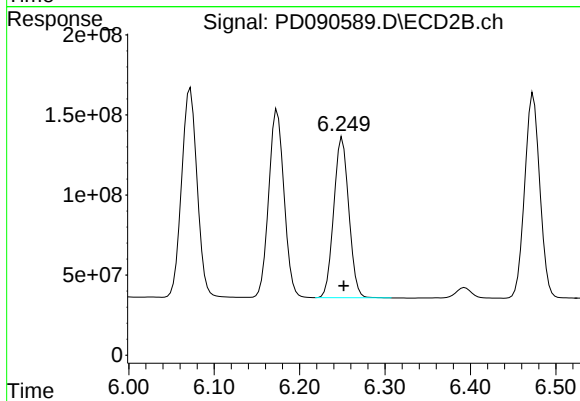
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 1462915913
Conc: 42.55 ng/ml



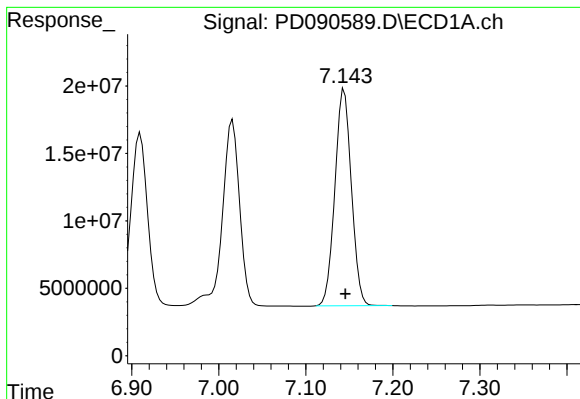
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.001 min
Response: 172275864
Conc: 50.22 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: -0.002 min
Response: 1227482750
Conc: 52.13 ng/ml



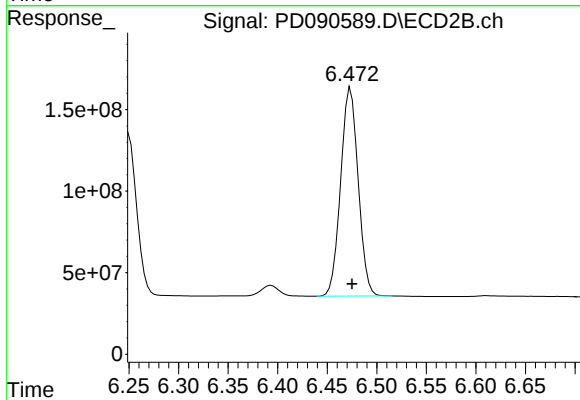
#19 Endosulfan Sulfate

R.T.: 7.144 min
Delta R.T.: -0.001 min
Response: 211802474
Conc: 46.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

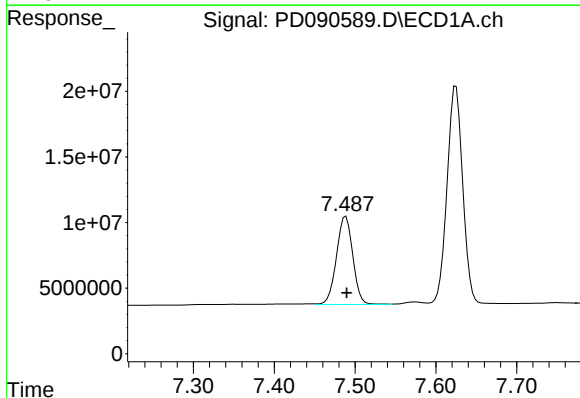
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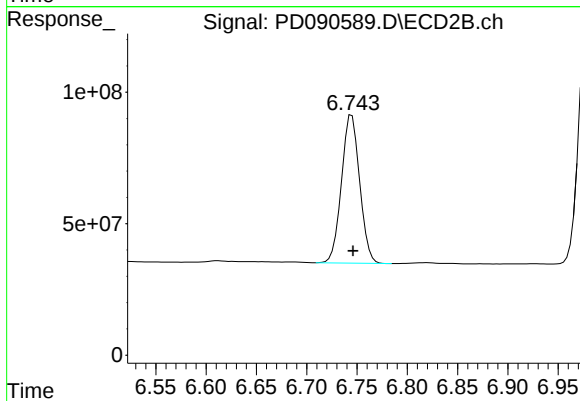
#19 Endosulfan Sulfate

R.T.: 6.474 min
Delta R.T.: -0.001 min
Response: 1571371635
Conc: 48.07 ng/ml



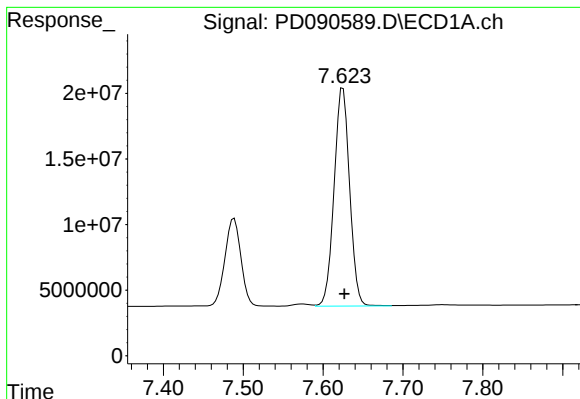
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 94134687
Conc: 39.95 ng/ml



#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: -0.001 min
Response: 706035147
Conc: 40.58 ng/ml



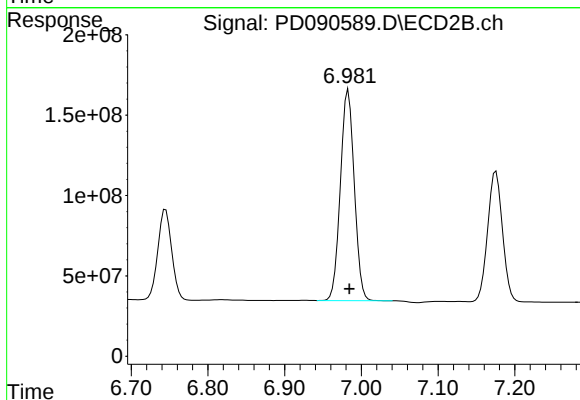
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 224418698
Conc: 45.36 ng/ml

Instrument :
ECD_D
ClientSampleId :
P001-DS-01MS

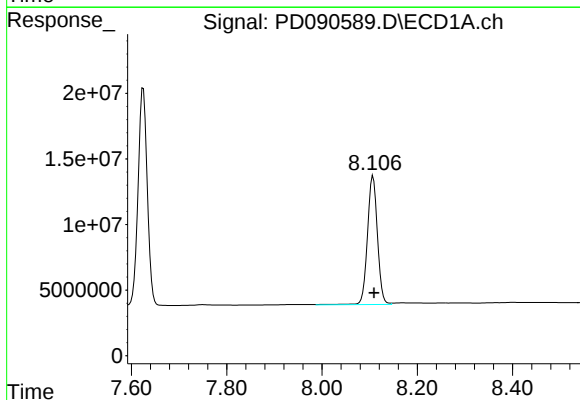
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/15/2025
Supervised By :mohammad ahmed 10/16/2025



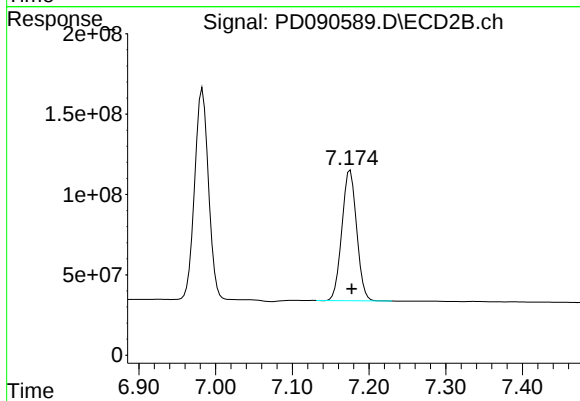
#21 Endrin ketone

R.T.: 6.983 min
Delta R.T.: -0.001 min
Response: 1653221915
Conc: 45.79 ng/ml



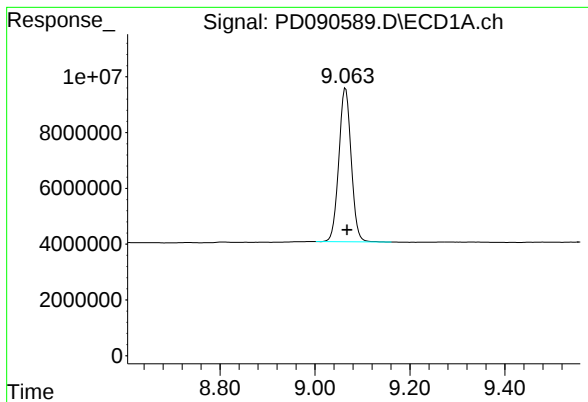
#22 Mirex

R.T.: 8.107 min
Delta R.T.: -0.002 min
Response: 143556231
Conc: 38.75 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: -0.002 min
Response: 1088317760
Conc: 39.42 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: -0.003 min
Response: 99419320
Conc: 20.60 ng/ml

Instrument :

ECD_D

ClientSampleId :

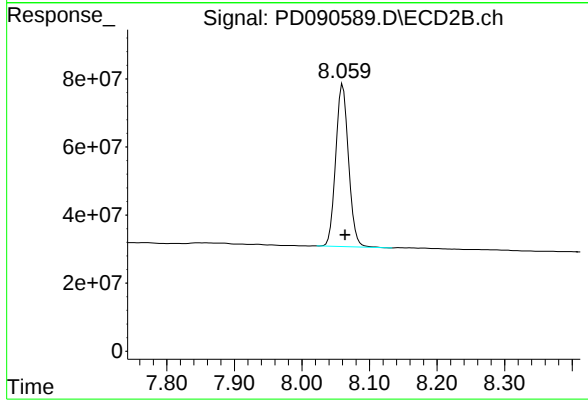
P001-DS-01MS

Manual Integrations

APPROVED

Reviewed By :Abdul Mirza 10/15/2025

Supervised By :mohammad ahmed 10/16/2025



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 631836930
Conc: 19.49 ng/ml