

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102425\
 Data File : PD090811.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Oct 2025 11:02
 Operator : AR\AJ
 Sample : Q3419-02MS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PR-132-S16-015094-20251021MS

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/27/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 24 23:34:49 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.550	2.873	38633860	374.1E6	12.406m	12.562
28)	SA Decachlor...	9.073	8.062	57537588	380.4E6	12.300	12.559
Target Compounds							
2)	A alpha-BHC	4.001	3.385	286.2E6	1871.1E6	39.870	36.620
3)	MA gamma-BHC...	4.332	3.722	222.6E6	1492.4E6	32.744	31.586
4)	MA Heptachlor	4.930	4.074	282.4E6	1901.7E6	50.514	42.637
5)	MB Aldrin	5.271	4.359	291.5E6	1915.6E6	44.527	41.356
6)	B beta-BHC	4.520	4.018	109.1E6	830.1E6	41.634	41.861
7)	B delta-BHC	4.768	4.254	211.2E6	1486.4E6	31.241	31.150
8)	B Heptachlo...	5.691	4.863	258.7E6	1769.6E6	44.688m	41.503
9)	A Endosulfan I	6.076	5.238	243.9E6	1555.6E6	44.049	39.491
10)	B gamma-Chl...	5.948	5.116	266.2E6	1955.8E6	44.877	43.511
11)	B alpha-Chl...	6.028	5.181	266.7E6	1823.0E6	43.149	42.261
12)	B 4,4'-DDE	6.198	5.366	238.5E6	1861.9E6	44.771	42.473
13)	MA Dieldrin	6.349	5.503	265.4E6	1900.0E6	45.514	43.003
14)	MA Endrin	6.576	5.780	215.4E6	1592.8E6	43.480	39.333
15)	B Endosulfa...	6.789	6.070	217.7E6	1621.6E6	43.536	43.179m
16)	A 4,4'-DDD	6.707	5.920	184.2E6	1475.5E6	45.427m	40.494
17)	MA 4,4'-DDT	7.023	6.174	177.8E6	1463.0E6	43.246	41.713
18)	B Endrin al...	6.917	6.250	123.6E6	883.9E6	33.750	31.918
19)	B Endosulfa...	7.152	6.473	132.6E6	1003.9E6	28.596	28.006
20)	A Methoxychlor	7.496	6.744	90082927	727.8E6	42.380	41.759
21)	B Endrin ke...	7.633	6.982	220.5E6	1701.0E6	45.385	45.099
22)	Mirex	8.114	7.175	141.4E6	1130.5E6	44.162	44.004

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

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Data File : PD090811.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Oct 2025 11:02
Operator : AR\AJ
Sample : Q3419-02MS
Misc :
ALS Vial : 5 Sample Multiplier: 1

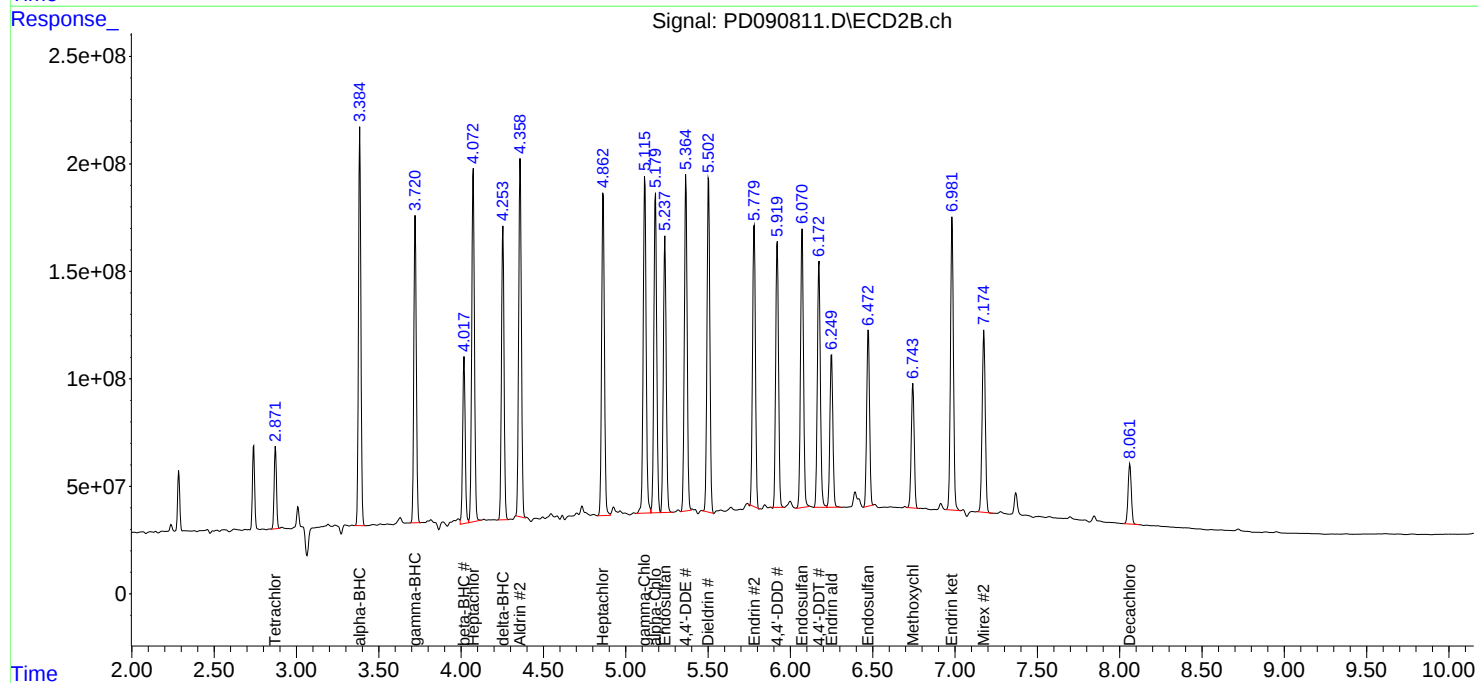
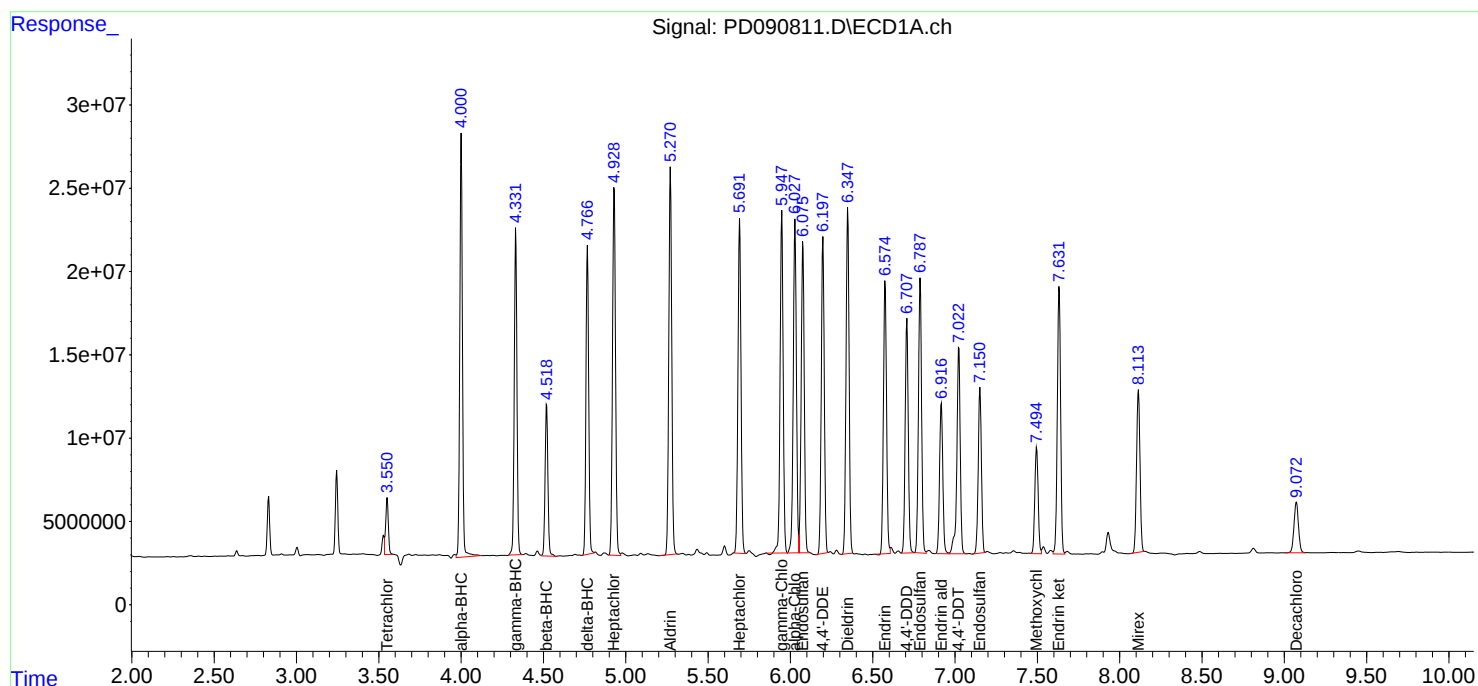
Instrument :
ECD_D
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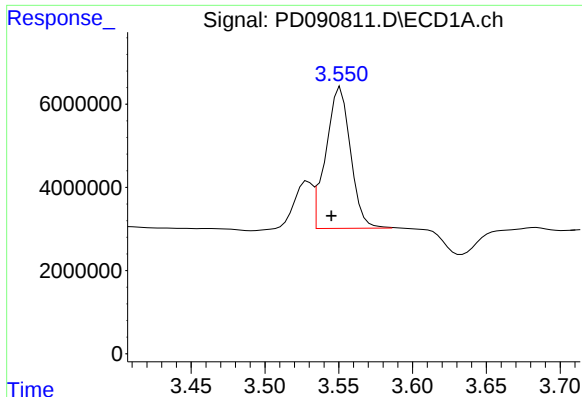
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Oct 24 23:34:49 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 2025
Response 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





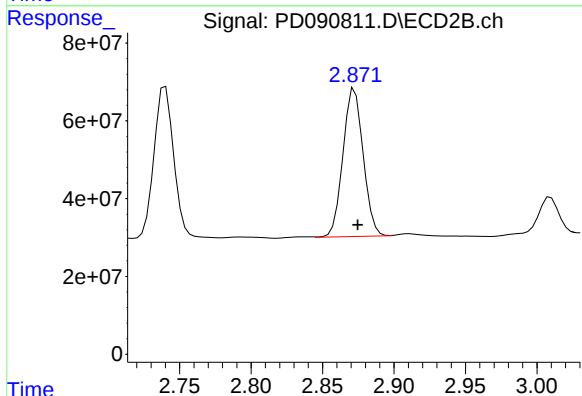
#1 Tetrachloro-m-xylene

R.T.: 3.550 min
Delta R.T.: 0.005 min
Response: 38633860
Conc: 12.41 ng/ml

Instrument :
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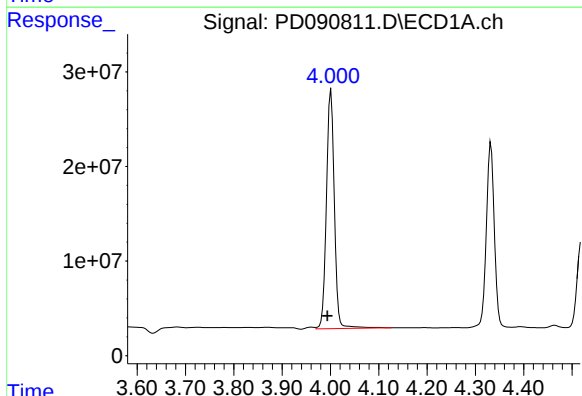
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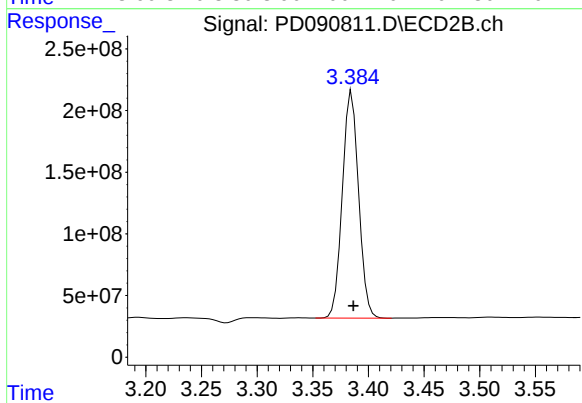
#1 Tetrachloro-m-xylene

R.T.: 2.873 min
Delta R.T.: -0.002 min
Response: 374066149
Conc: 12.56 ng/ml



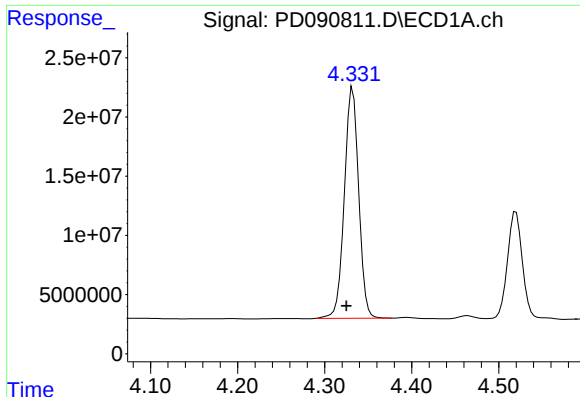
#2 alpha-BHC

R.T.: 4.001 min
Delta R.T.: 0.007 min
Response: 286154038
Conc: 39.87 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 1871116409
Conc: 36.62 ng/ml



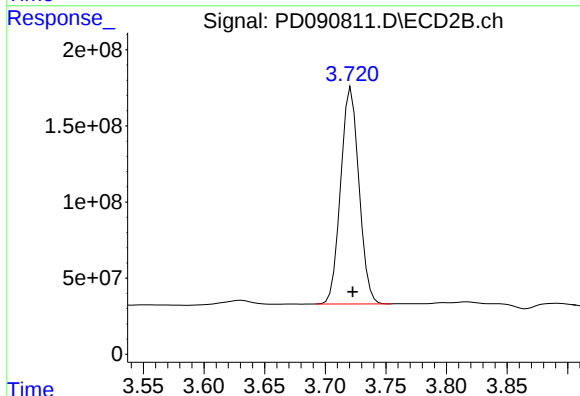
#3 gamma-BHC (Lindane)

R.T.: 4.332 min
Delta R.T.: 0.007 min
Response: 222620219
Conc: 32.74 ng/ml

Instrument :
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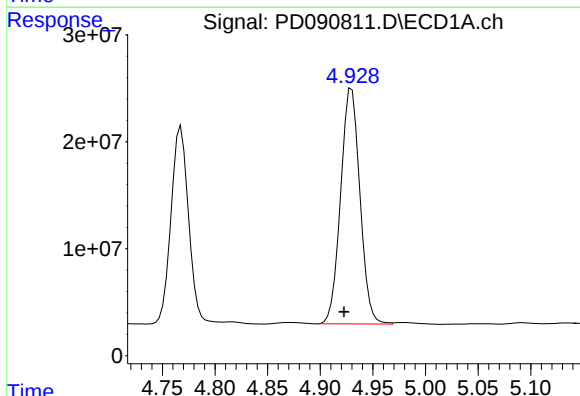
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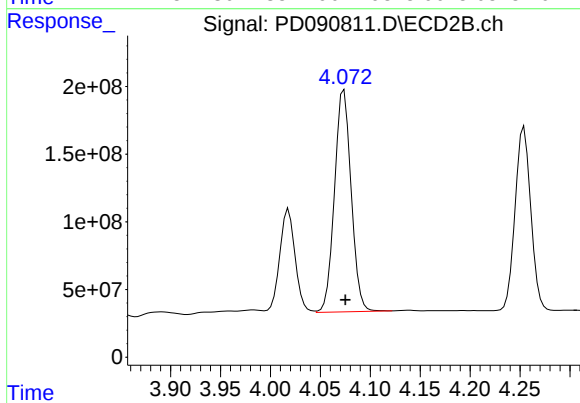
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.001 min
Response: 1492379007
Conc: 31.59 ng/ml



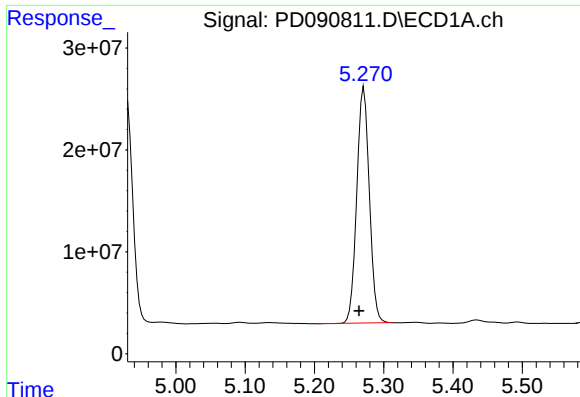
#4 Heptachlor

R.T.: 4.930 min
Delta R.T.: 0.007 min
Response: 282352497
Conc: 50.51 ng/ml



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 1901721316
Conc: 42.64 ng/ml



#5 Aldrin

R.T.: 5.271 min
Delta R.T.: 0.007 min
Response: 291529508
Conc: 44.53 ng/ml

Instrument :

ECD_D

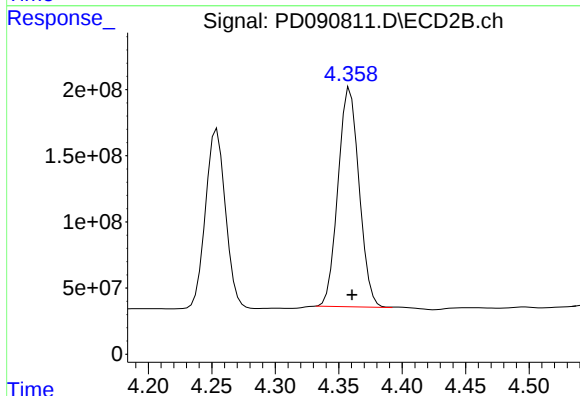
ClientSampleId :

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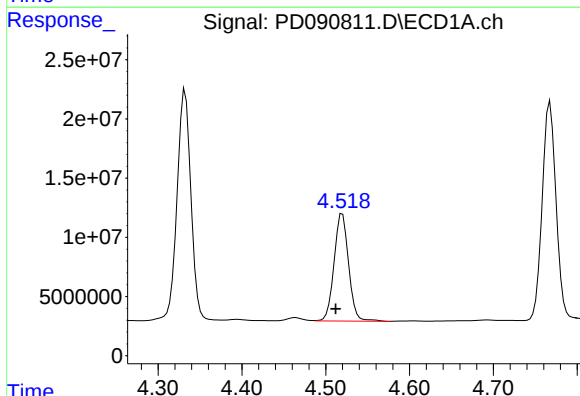
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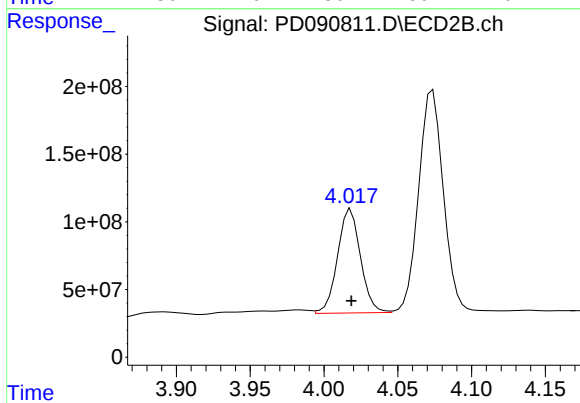
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 1915578424
Conc: 41.36 ng/ml



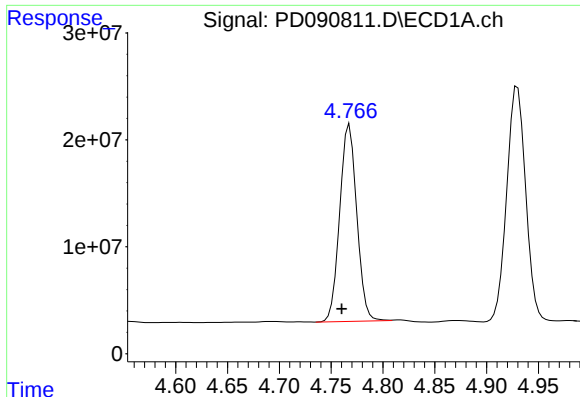
#6 beta-BHC

R.T.: 4.520 min
Delta R.T.: 0.008 min
Response: 109064741
Conc: 41.63 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 830085163
Conc: 41.86 ng/ml



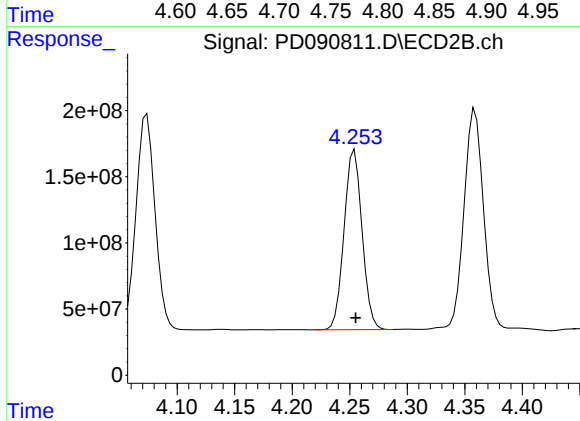
#7 delta-BHC

R.T.: 4.768 min
Delta R.T.: 0.008 min
Response: 211244308
Conc: 31.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

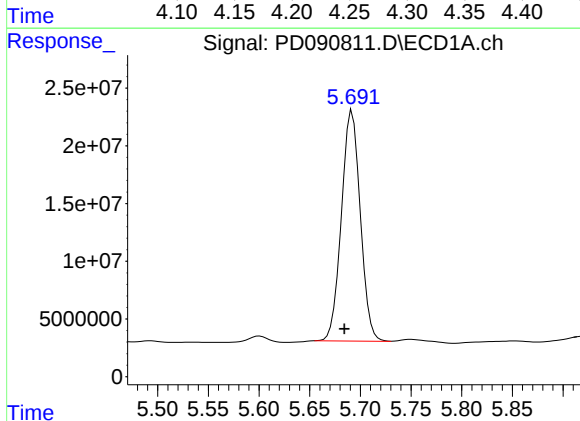
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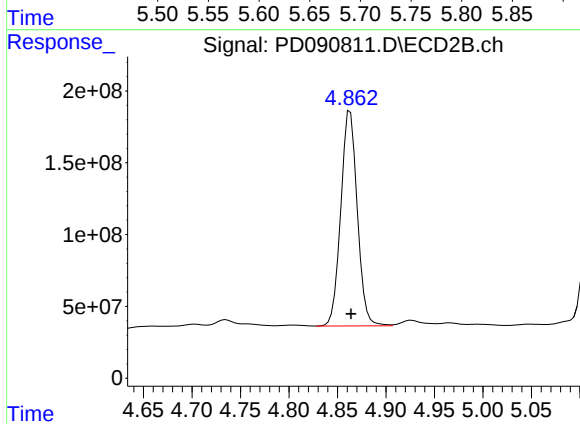
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 1486352983
Conc: 31.15 ng/ml



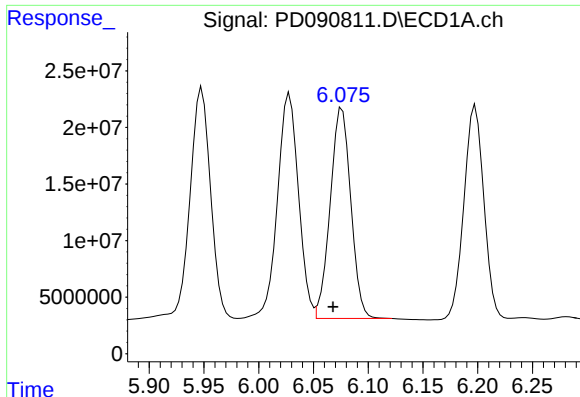
#8 Heptachlor epoxide

R.T.: 5.691 min
Delta R.T.: 0.006 min
Response: 258700523
Conc: 44.69 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 1769636692
Conc: 41.50 ng/ml



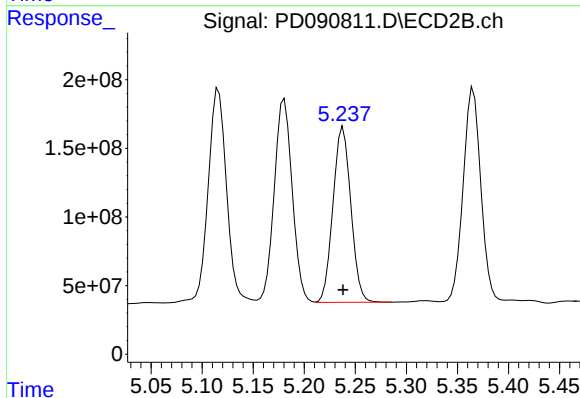
#9 Endosulfan I

R.T.: 6.076 min
Delta R.T.: 0.008 min
Response: 243883830
Conc: 44.05 ng/ml

Instrument :
ECD_D
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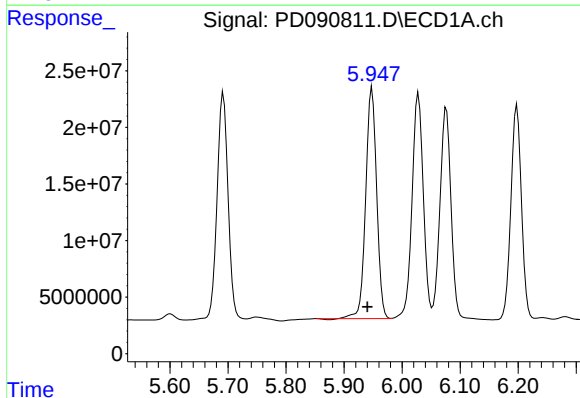
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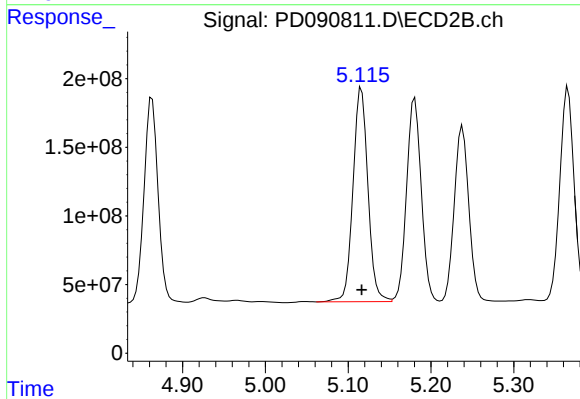
#9 Endosulfan I

R.T.: 5.238 min
Delta R.T.: 0.000 min
Response: 1555560318
Conc: 39.49 ng/ml



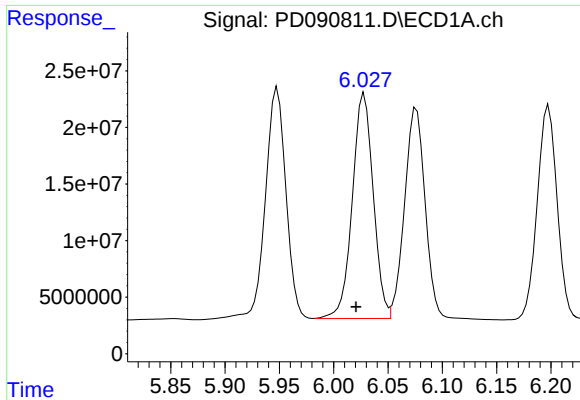
#10 gamma-Chlordane

R.T.: 5.948 min
Delta R.T.: 0.008 min
Response: 266172909
Conc: 44.88 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: 0.000 min
Response: 1955761320
Conc: 43.51 ng/ml



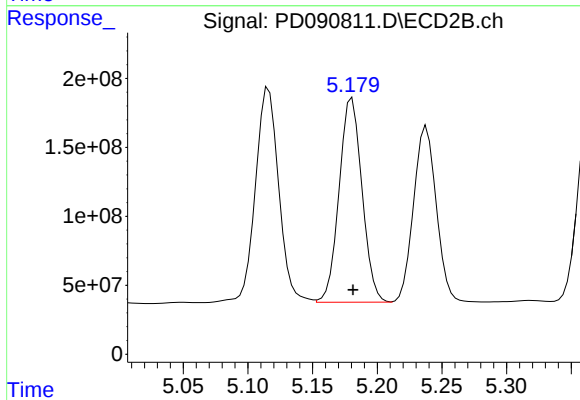
#11 alpha-Chlordane

R.T.: 6.028 min
Delta R.T.: 0.008 min
Response: 266669681
Conc: 43.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
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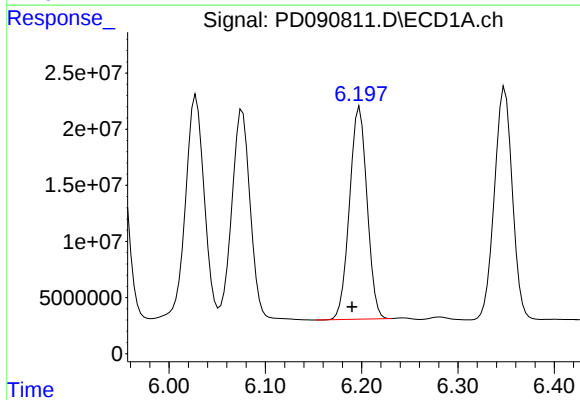
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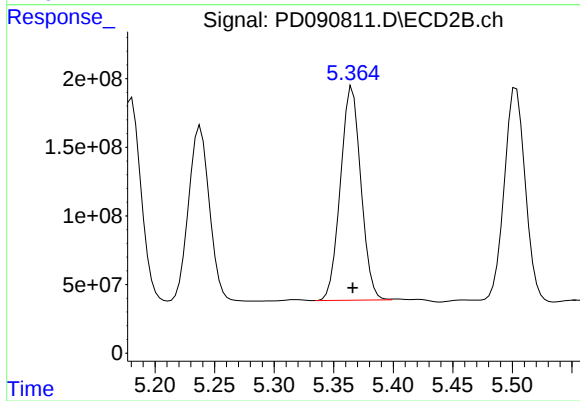
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: 0.000 min
Response: 1823024047
Conc: 42.26 ng/ml



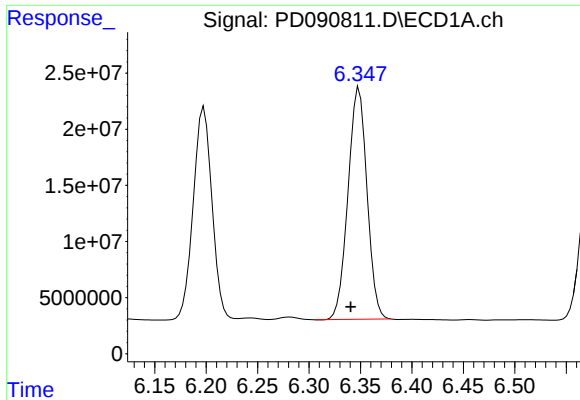
#12 4,4'-DDE

R.T.: 6.198 min
Delta R.T.: 0.008 min
Response: 238476523
Conc: 44.77 ng/ml



#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 1861944109
Conc: 42.47 ng/ml



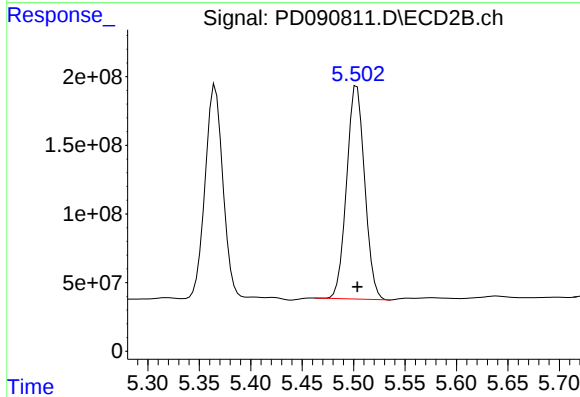
#13 Dieldrin

R.T.: 6.349 min
Delta R.T.: 0.008 min
Response: 265405299
Conc: 45.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
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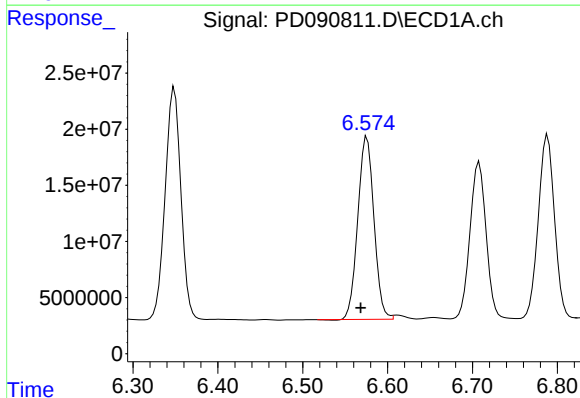
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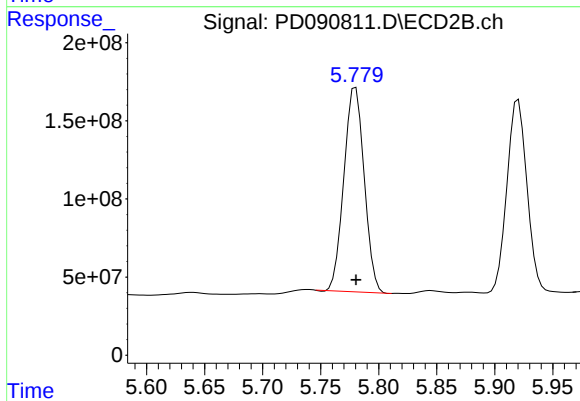
#13 Dieldrin

R.T.: 5.503 min
Delta R.T.: 0.000 min
Response: 1900043362
Conc: 43.00 ng/ml



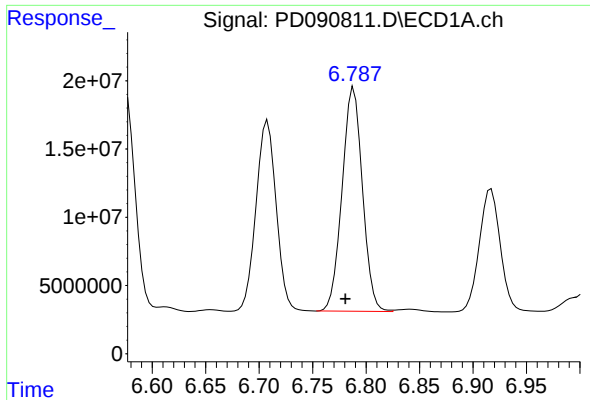
#14 Endrin

R.T.: 6.576 min
Delta R.T.: 0.008 min
Response: 215385940
Conc: 43.48 ng/ml



#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 1592761760
Conc: 39.33 ng/ml



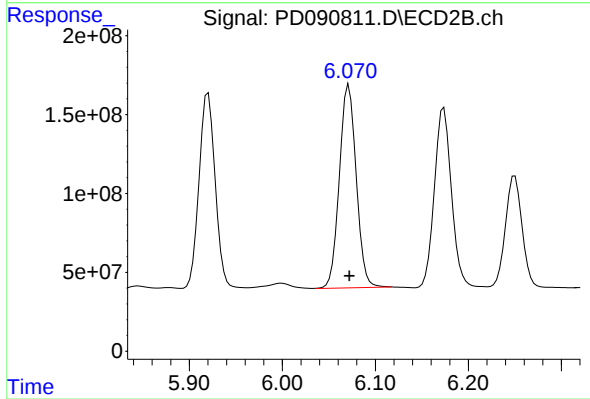
#15 Endosulfan II

R.T.: 6.789 min
Delta R.T.: 0.008 min
Response: 217677356
Conc: 43.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
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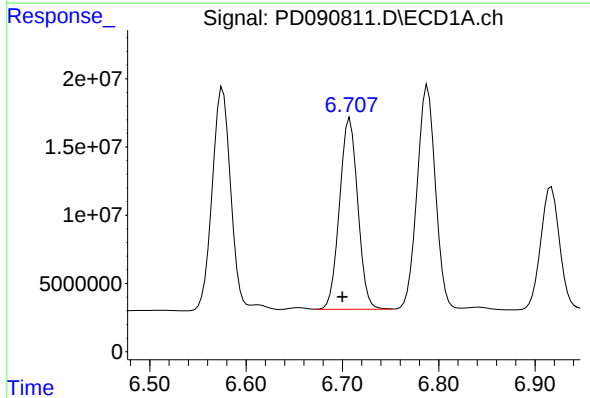
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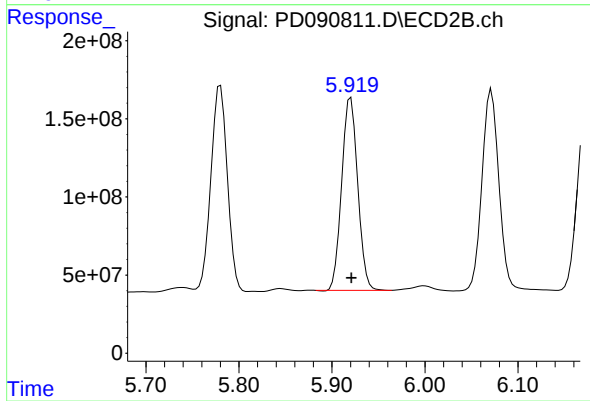
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1621610503
Conc: 43.18 ng/ml m



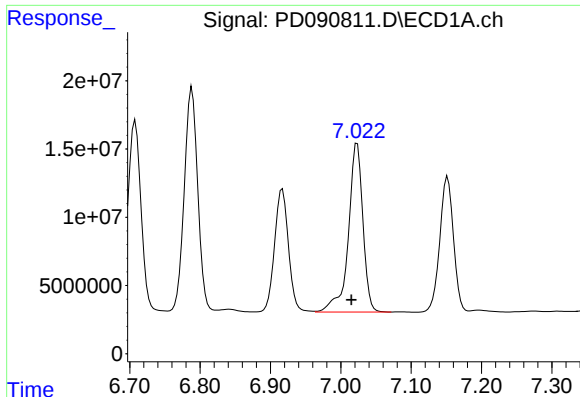
#16 4,4'-DDD

R.T.: 6.707 min
Delta R.T.: 0.006 min
Response: 184172456
Conc: 45.43 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: 0.000 min
Response: 1475534935
Conc: 40.49 ng/ml



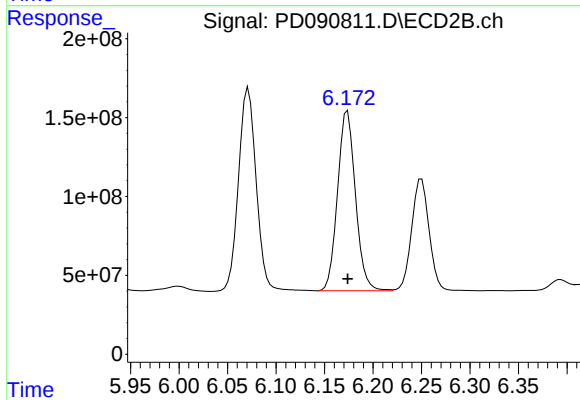
#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: 0.008 min
Response: 177763159
Conc: 43.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
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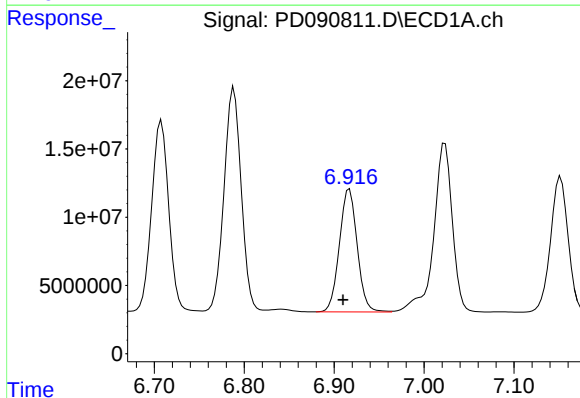
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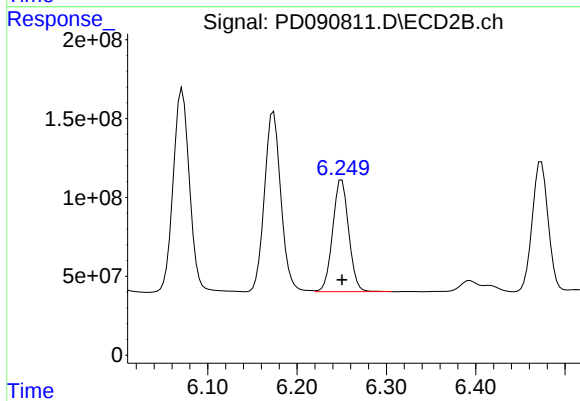
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 1462998466
Conc: 41.71 ng/ml



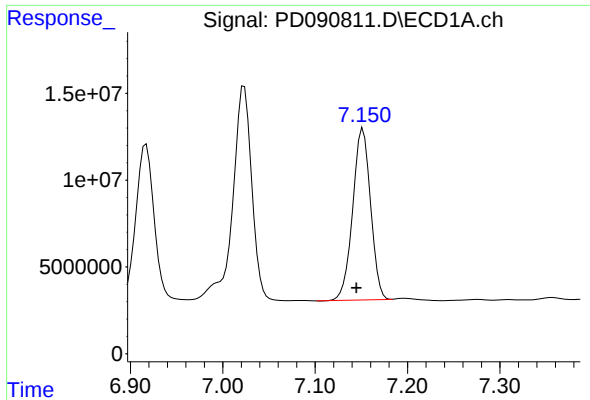
#18 Endrin aldehyde

R.T.: 6.917 min
Delta R.T.: 0.007 min
Response: 123616529
Conc: 33.75 ng/ml



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.000 min
Response: 883895418
Conc: 31.92 ng/ml



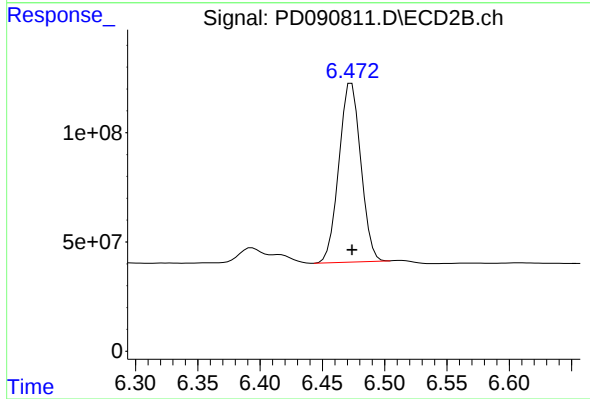
#19 Endosulfan Sulfate

R.T.: 7.152 min
Delta R.T.: 0.007 min
Response: 132631901
Conc: 28.60 ng/ml

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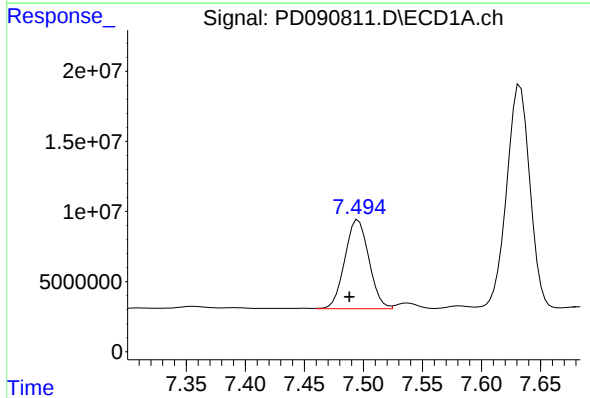
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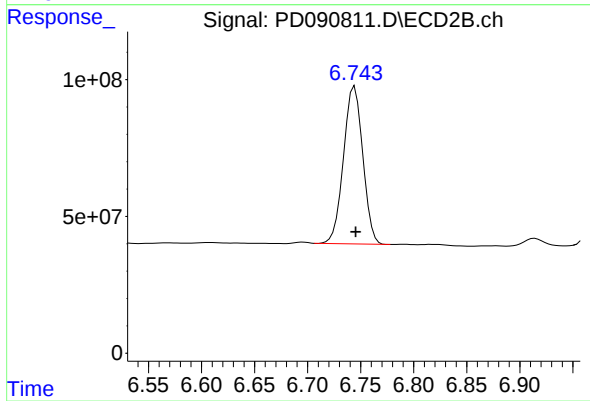
#19 Endosulfan Sulfate

R.T.: 6.473 min
Delta R.T.: 0.000 min
Response: 1003869968
Conc: 28.01 ng/ml



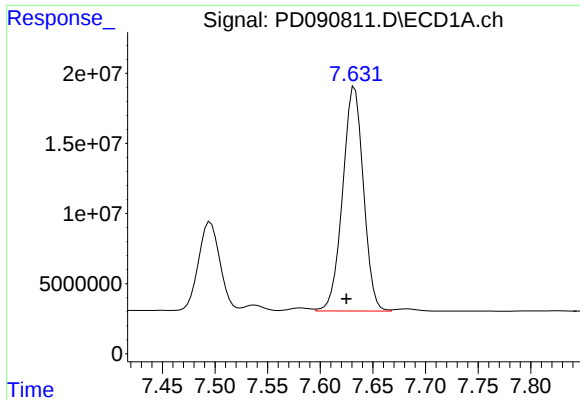
#20 Methoxychlor

R.T.: 7.496 min
Delta R.T.: 0.007 min
Response: 90082927
Conc: 42.38 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: 0.000 min
Response: 727767702
Conc: 41.76 ng/ml



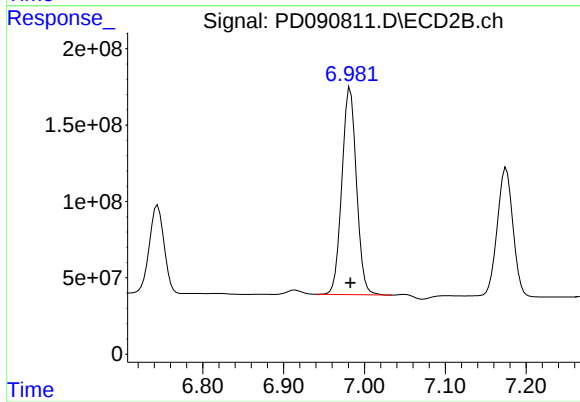
#21 Endrin ketone

R.T.: 7.633 min
Delta R.T.: 0.008 min
Response: 220519200
Conc: 45.39 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

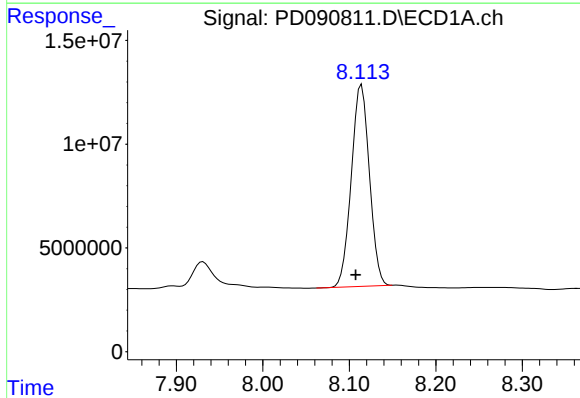
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



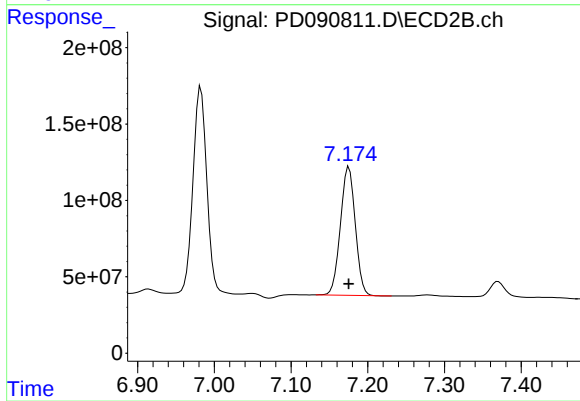
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 1701038323
Conc: 45.10 ng/ml



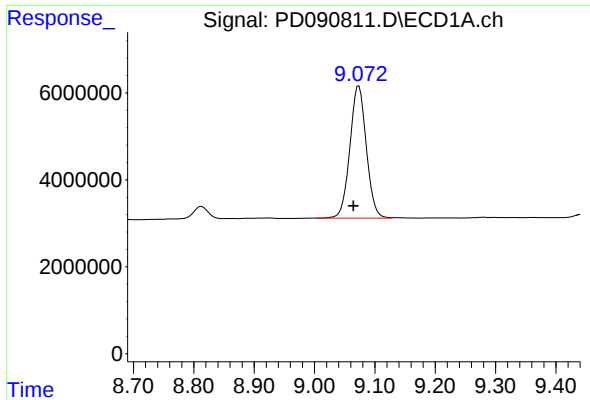
#22 Mirex

R.T.: 8.114 min
Delta R.T.: 0.007 min
Response: 141356407
Conc: 44.16 ng/ml



#22 Mirex

R.T.: 7.175 min
Delta R.T.: 0.000 min
Response: 1130508191
Conc: 44.00 ng/ml



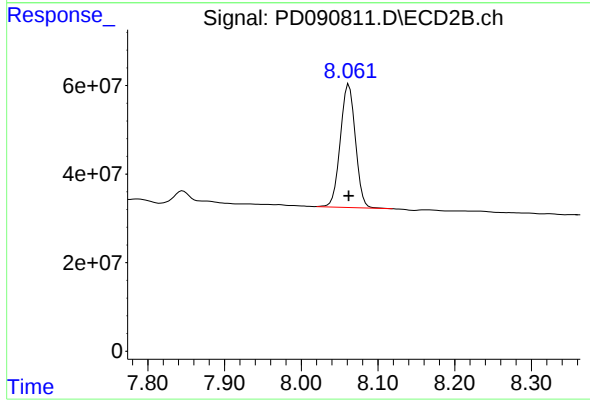
#28 Decachlorobiphenyl

R.T.: 9.073 min
Delta R.T.: 0.009 min
Response: 57537588
Conc: 12.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PR-132-S16-015094-20251021MS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 10/27/2025
Supervised By :mohammad ahmed 10/28/2025



#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 380421456
Conc: 12.56 ng/ml