

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD110525\
 Data File : PD090963.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 05 Nov 2025 10:26
 Operator : AR\AJ
 Sample : PB170371BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PB170371BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 11/06/2025
 Supervised By :mohammad ahmed 11/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 06 00:11:56 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...	3.544	2.874	86619640	859.0E6	27.815	28.848
28)	SA Decachlor...	9.066	8.060	126.4E6	843.4E6	27.028	27.842
Target Compounds							
2)	A alpha-BHC	3.994	3.385	373.2E6	2627.5E6	51.992	51.423
3)	MA gamma-BHC...	4.324	3.721	348.6E6	2424.1E6	51.269	51.304
4)	MA Heptachlor	4.921	4.074	349.5E6	2404.0E6	62.531m	53.898
5)	MB Aldrin	5.263	4.359	337.5E6	2372.2E6	51.554	51.215
6)	B beta-BHC	4.511	4.018	130.3E6	1004.4E6	49.752	50.650
7)	B delta-BHC	4.760	4.254	351.4E6	2443.1E6	51.967	51.200
8)	B Heptachlo...	5.684	4.862	304.6E6	2139.6E6	52.617	50.180
9)	A Endosulfan I	6.068	5.237	287.6E6	1954.2E6	51.944	49.612
10)	B gamma-Chl...	5.940	5.115	305.9E6	2302.9E6	51.574	51.234
11)	B alpha-Chl...	6.020	5.180	308.1E6	2208.9E6	49.858	51.205
12)	B 4,4'-DDE	6.190	5.364	271.9E6	2266.9E6	51.038	51.710
13)	MA Dieldrin	6.340	5.502	308.9E6	2297.5E6	52.967	51.998
14)	MA Endrin	6.568	5.779	260.2E6	2126.5E6	52.529	52.514
15)	B Endosulfa...	6.781	6.070	275.7E6	1962.9E6	55.140	52.267
16)	A 4,4'-DDD	6.700	5.919	223.6E6	1924.8E6	55.148	52.823
17)	MA 4,4'-DDT	7.016	6.172	232.1E6	1949.1E6	56.460	55.573
18)	B Endrin al...	6.910	6.248	195.7E6	1479.2E6	53.433	53.413
19)	B Endosulfa...	7.145	6.472	240.3E6	1861.8E6	51.799	51.939
20)	A Methoxychlor	7.489	6.743	123.8E6	930.5E6	58.256	53.390
21)	B Endrin ke...	7.625	6.980	250.3E6	2087.0E6	51.507	55.332m
22)	Mirex	8.108	7.173	155.6E6	1258.7E6	48.616	48.995

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

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Manual Integrations

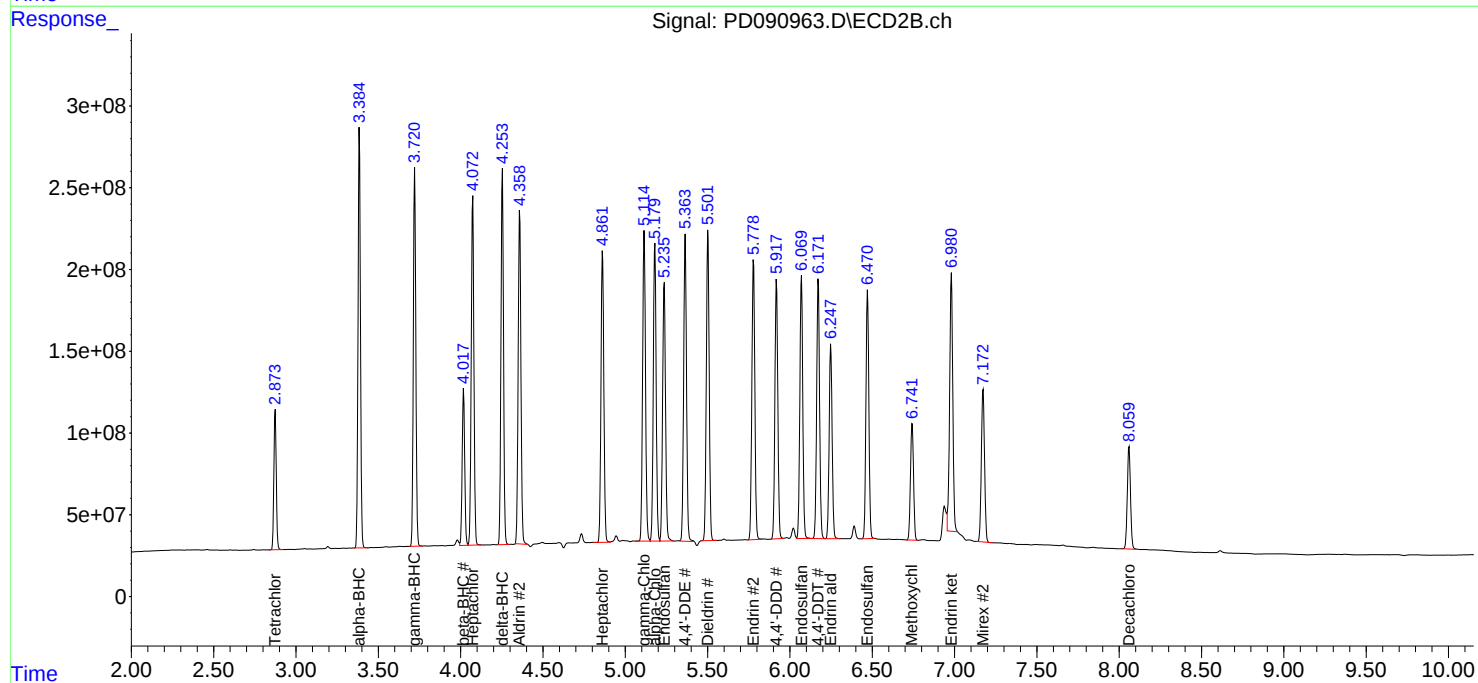
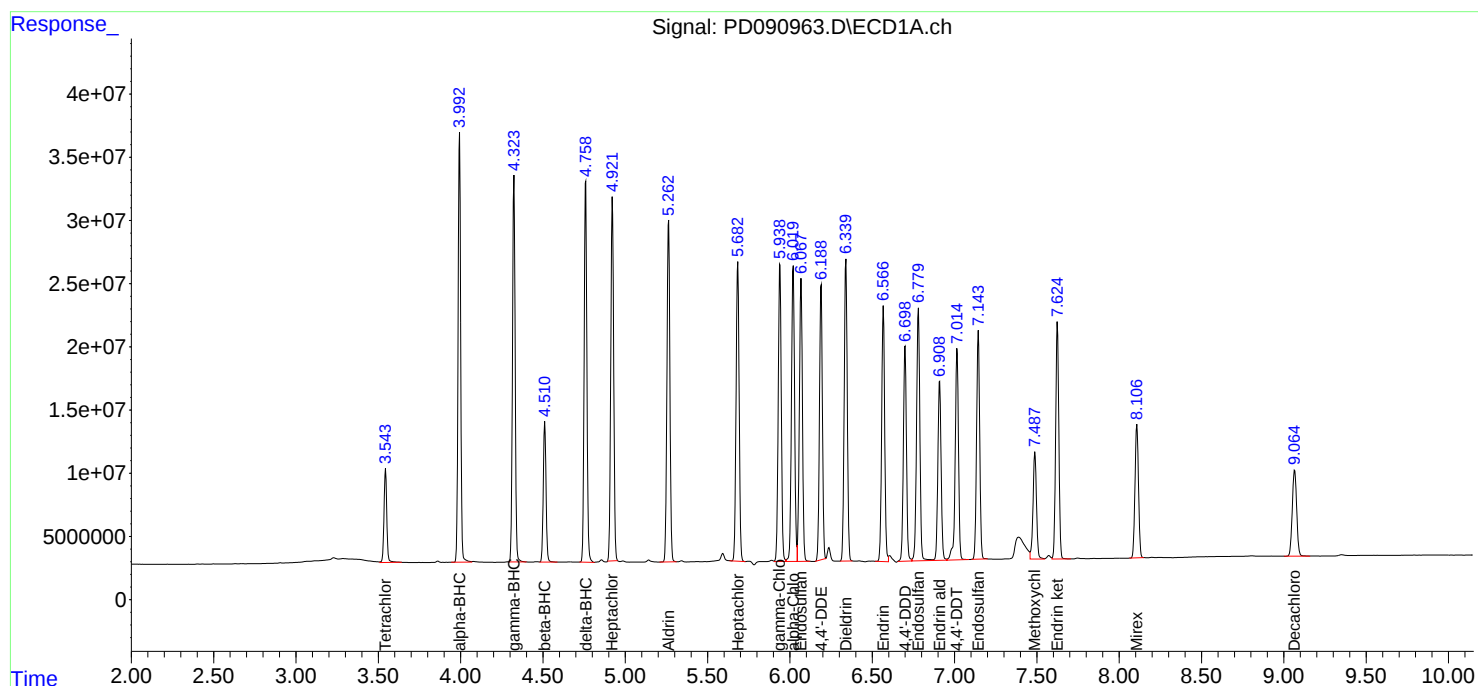
APPROVED

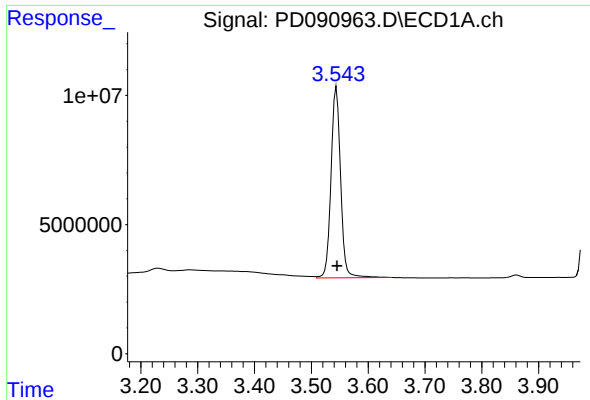
Reviewed By :Yogesh Patel 11/06/2025

Supervised By :mohammad ahmed 11/06/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Nov 06 00:11:56 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
Quant Title : GC Extractables
QLast Update : Fri Oct 17 17:43:28 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





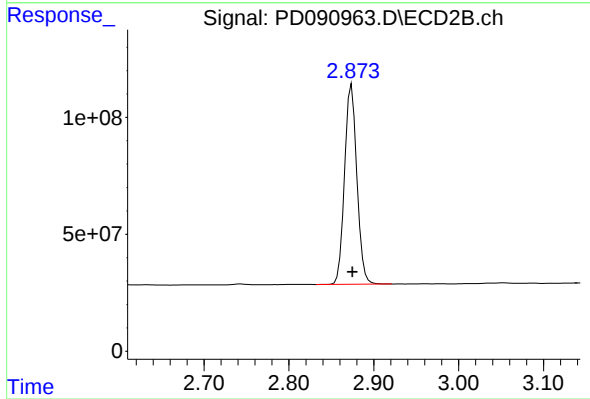
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 86619640
Conc: 27.81 ng/ml

Instrument :
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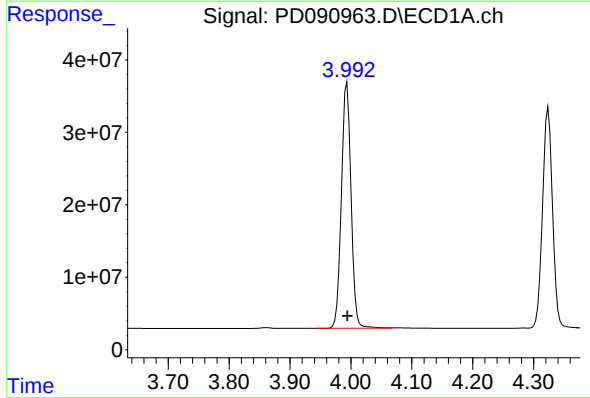
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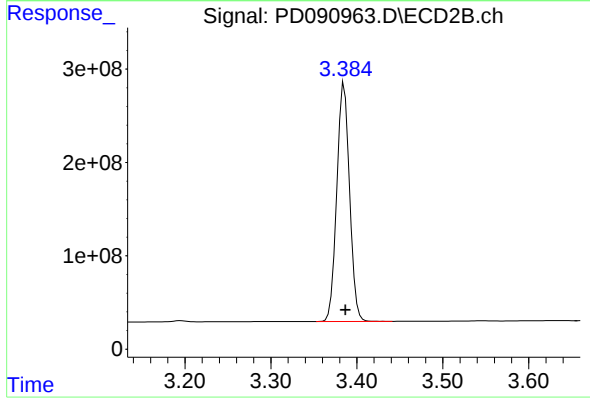
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 859012531
Conc: 28.85 ng/ml



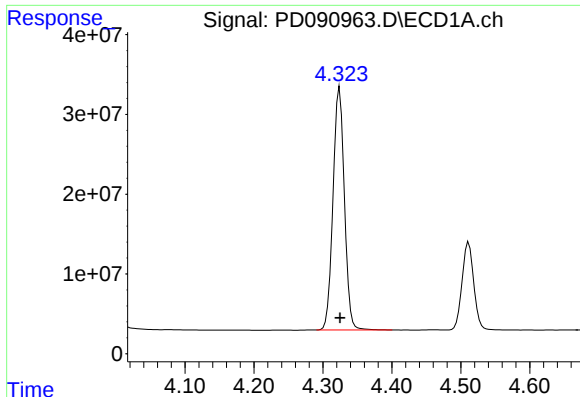
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: 0.000 min
Response: 373154216
Conc: 51.99 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: -0.001 min
Response: 2627474191
Conc: 51.42 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 348567149
Conc: 51.27 ng/ml

Instrument :

ECD_D

ClientSampleId :

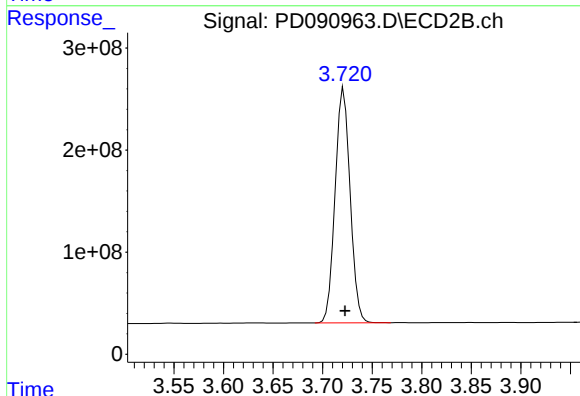
PB170371BS

Manual Integrations

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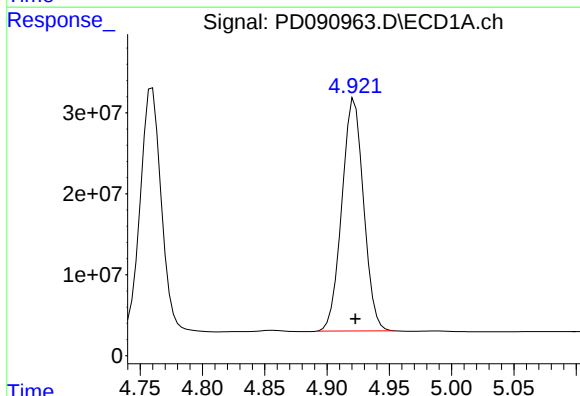
Reviewed By :Yogesh Patel 11/06/2025

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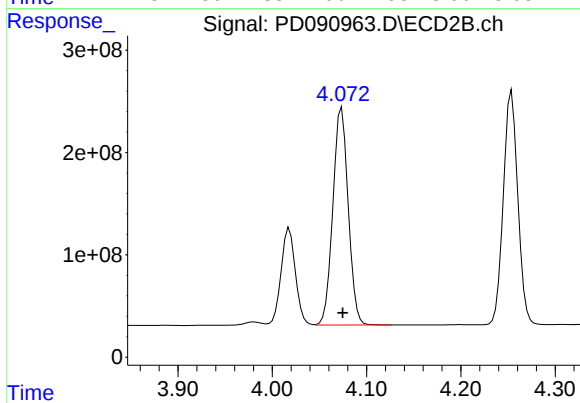
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: -0.001 min
Response: 2424054157
Conc: 51.30 ng/ml



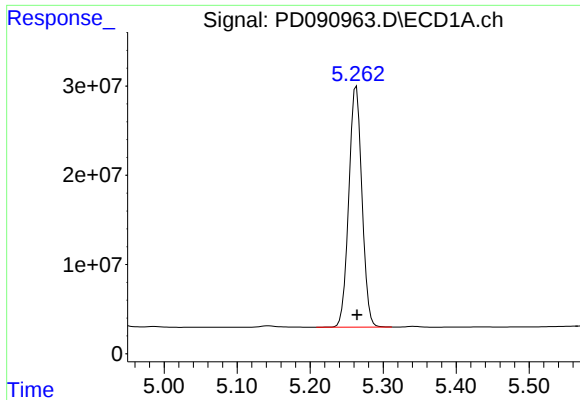
#4 Heptachlor

R.T.: 4.921 min
Delta R.T.: -0.002 min
Response: 349518307
Conc: 62.53 ng/ml m



#4 Heptachlor

R.T.: 4.074 min
Delta R.T.: -0.001 min
Response: 2404007963
Conc: 53.90 ng/ml



#5 Aldrin

R.T.: 5.263 min
Delta R.T.: 0.000 min
Response: 337540565
Conc: 51.55 ng/ml

Instrument :

ECD_D

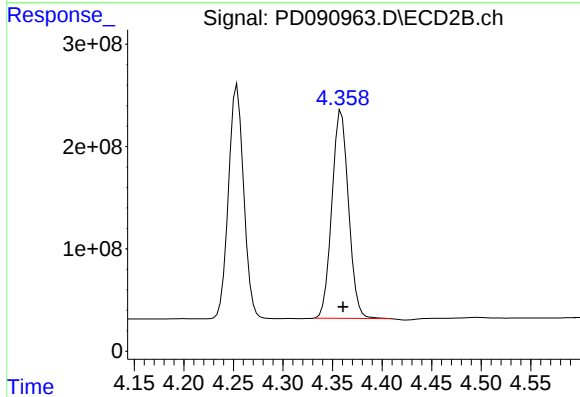
ClientSampleId :

PB170371BS

Manual Integrations

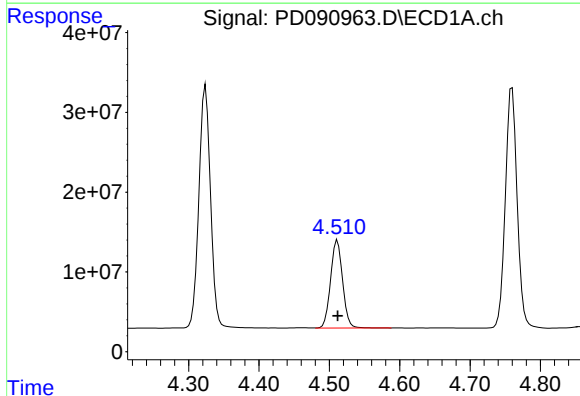
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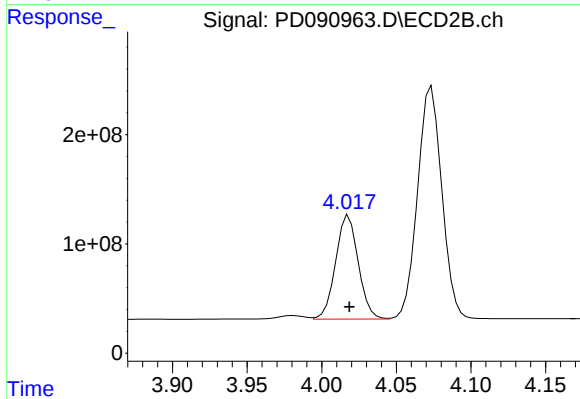
#5 Aldrin

R.T.: 4.359 min
Delta R.T.: -0.002 min
Response: 2372207086
Conc: 51.21 ng/ml



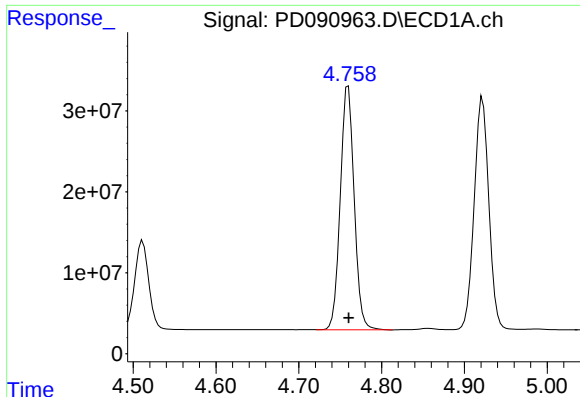
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 130331810
Conc: 49.75 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 1004364644
Conc: 50.65 ng/ml



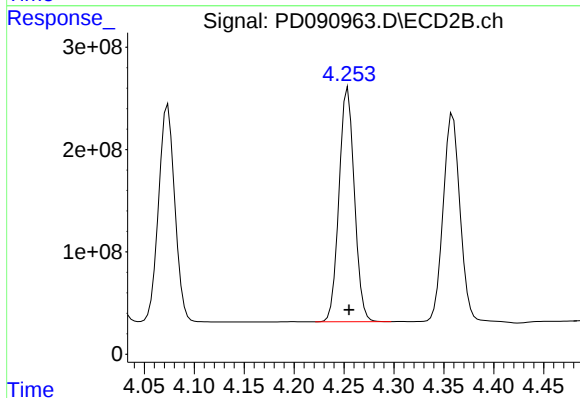
#7 delta-BHC

R.T.: 4.760 min
Delta R.T.: 0.000 min
Response: 351384265
Conc: 51.97 ng/ml

Instrument :
ECD_D
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PB170371BS

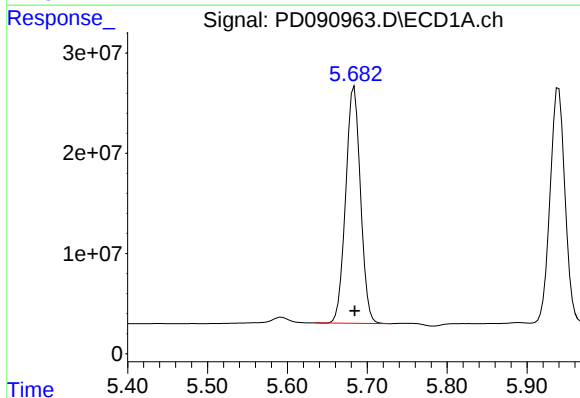
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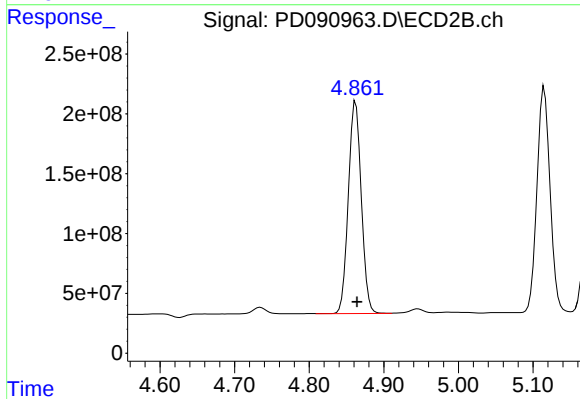
#7 delta-BHC

R.T.: 4.254 min
Delta R.T.: -0.001 min
Response: 2443091654
Conc: 51.20 ng/ml



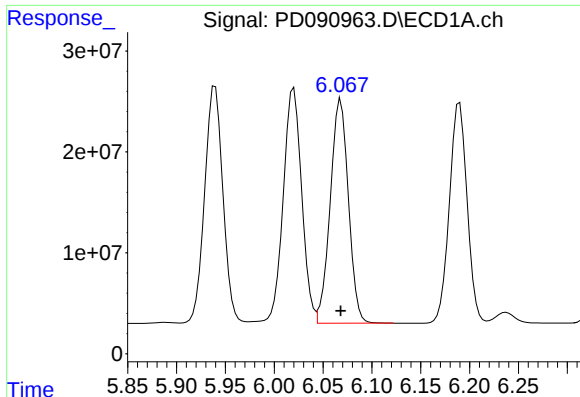
#8 Heptachlor epoxide

R.T.: 5.684 min
Delta R.T.: 0.000 min
Response: 304604578
Conc: 52.62 ng/ml



#8 Heptachlor epoxide

R.T.: 4.862 min
Delta R.T.: -0.002 min
Response: 2139639390
Conc: 50.18 ng/ml



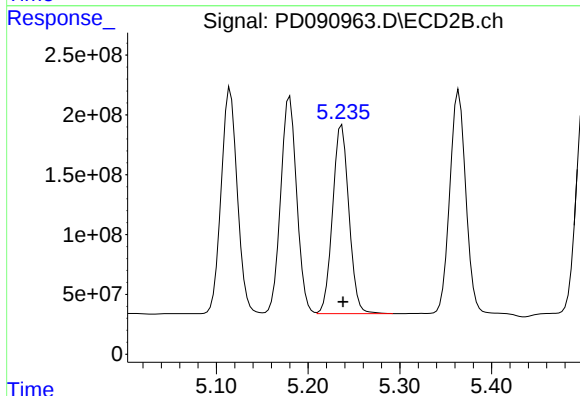
#9 Endosulfan I

R.T.: 6.068 min
Delta R.T.: 0.000 min
Response: 287595100
Conc: 51.94 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170371BS

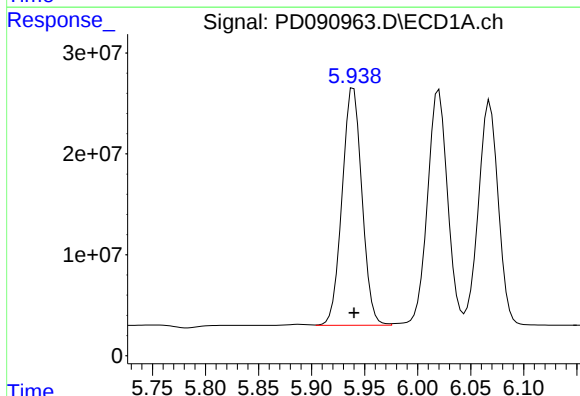
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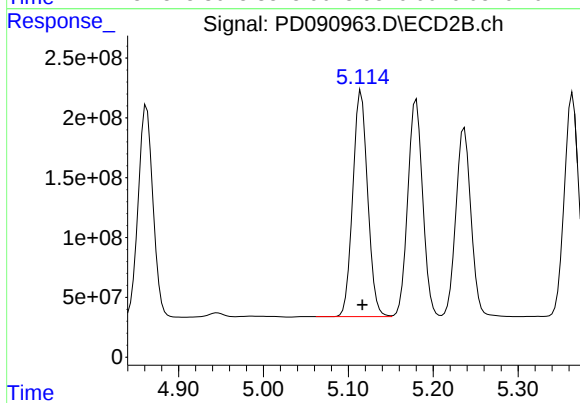
#9 Endosulfan I

R.T.: 5.237 min
Delta R.T.: -0.001 min
Response: 1954214650
Conc: 49.61 ng/ml



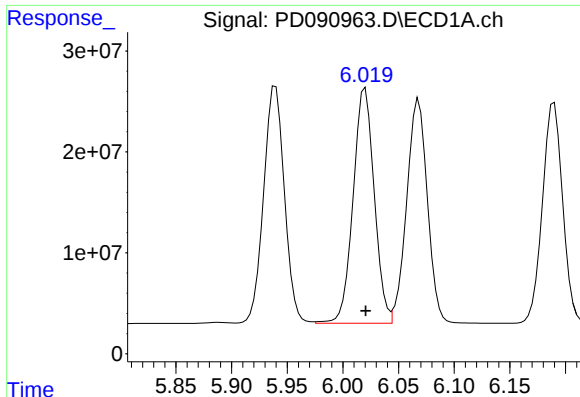
#10 gamma-Chlordane

R.T.: 5.940 min
Delta R.T.: 0.000 min
Response: 305897467
Conc: 51.57 ng/ml



#10 gamma-Chlordane

R.T.: 5.115 min
Delta R.T.: -0.002 min
Response: 2302931927
Conc: 51.23 ng/ml



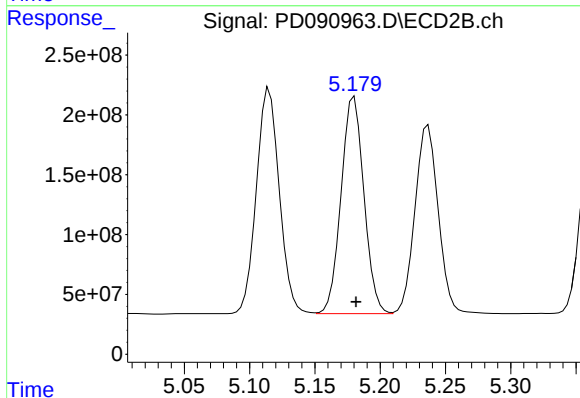
#11 alpha-Chlordane

R.T.: 6.020 min
Delta R.T.: 0.000 min
Response: 308135502
Conc: 49.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170371BS

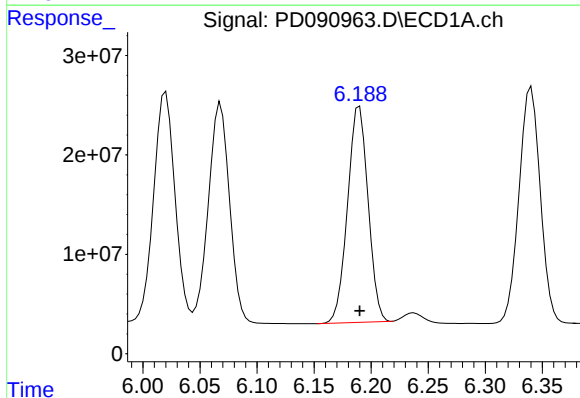
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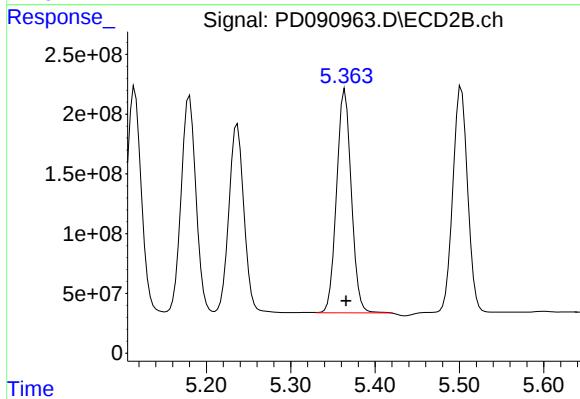
#11 alpha-Chlordane

R.T.: 5.180 min
Delta R.T.: -0.001 min
Response: 2208881716
Conc: 51.21 ng/ml



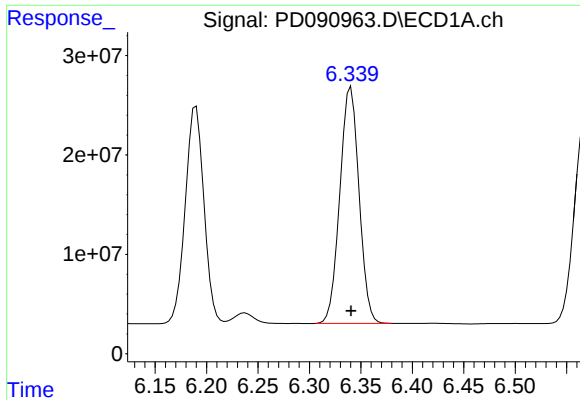
#12 4,4'-DDE

R.T.: 6.190 min
Delta R.T.: 0.000 min
Response: 271861920
Conc: 51.04 ng/ml



#12 4,4'-DDE

R.T.: 5.364 min
Delta R.T.: -0.001 min
Response: 2266865299
Conc: 51.71 ng/ml



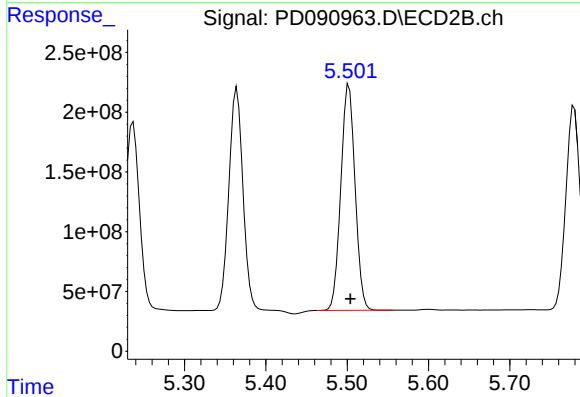
#13 Dieldrin

R.T.: 6.340 min
Delta R.T.: 0.000 min
Response: 308870081
Conc: 52.97 ng/ml

Instrument :
ECD_D
ClientSampleId :
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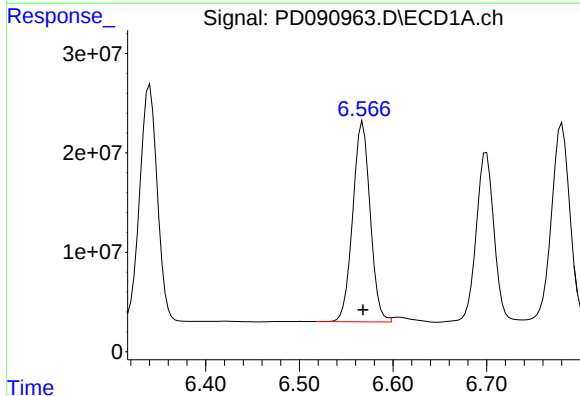
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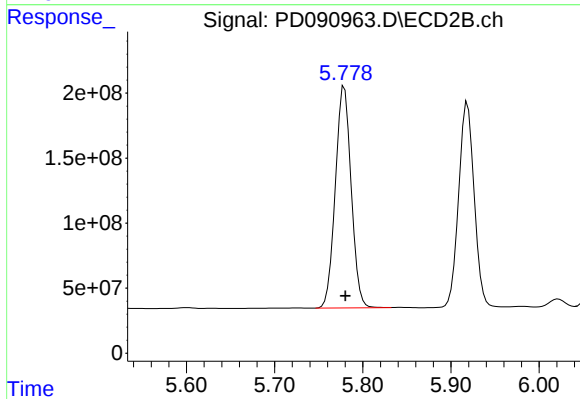
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.002 min
Response: 2297485656
Conc: 52.00 ng/ml



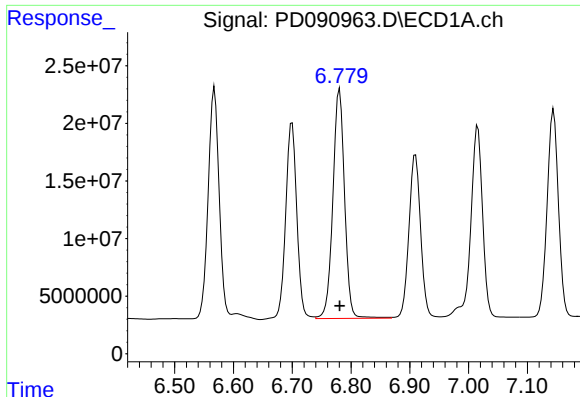
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 260215312
Conc: 52.53 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 2126514980
Conc: 52.51 ng/ml



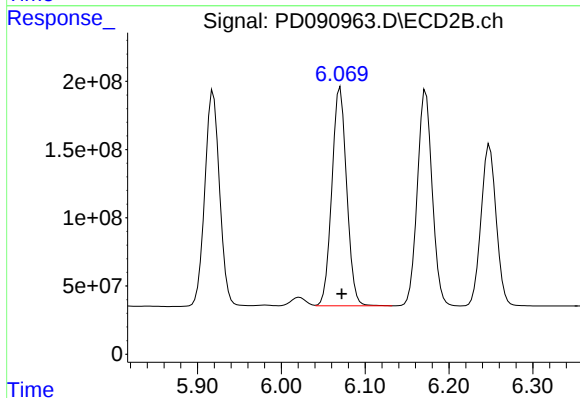
#15 Endosulfan II

R.T.: 6.781 min
Delta R.T.: 0.000 min
Response: 275698273
Conc: 55.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170371BS

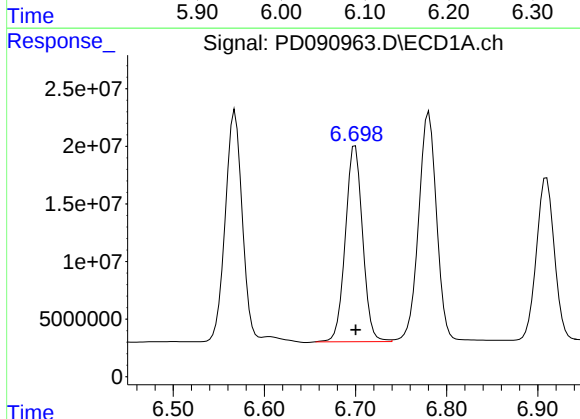
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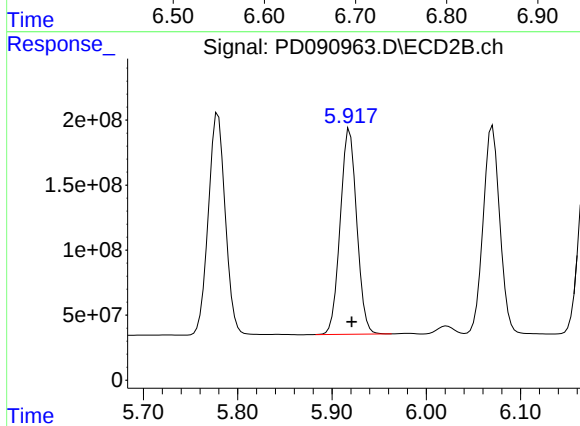
#15 Endosulfan II

R.T.: 6.070 min
Delta R.T.: -0.002 min
Response: 1962912479
Conc: 52.27 ng/ml



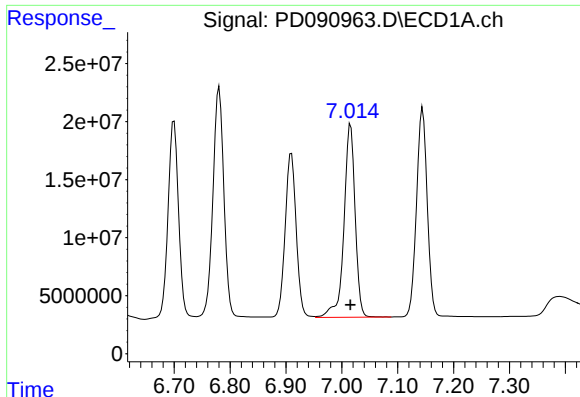
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 223582257
Conc: 55.15 ng/ml



#16 4,4'-DDD

R.T.: 5.919 min
Delta R.T.: -0.002 min
Response: 1924771743
Conc: 52.82 ng/ml



#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 232075965
Conc: 56.46 ng/ml

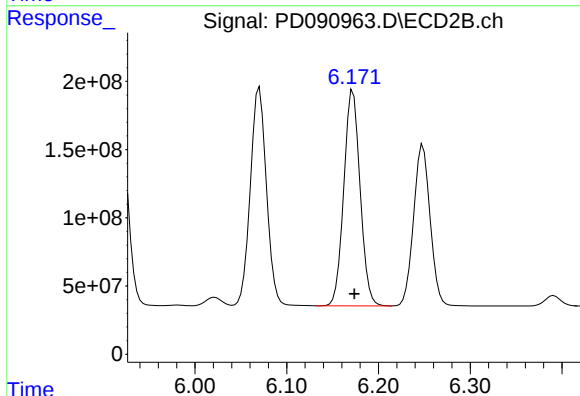
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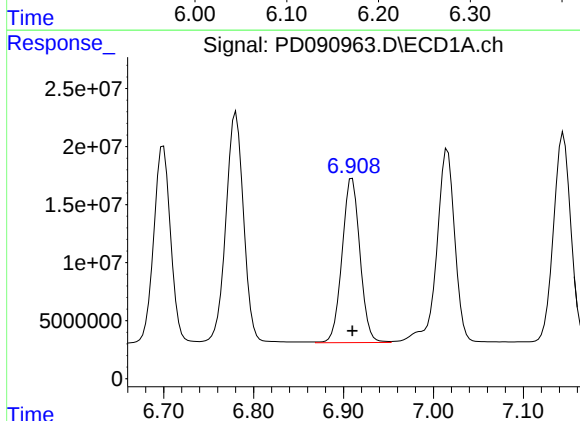
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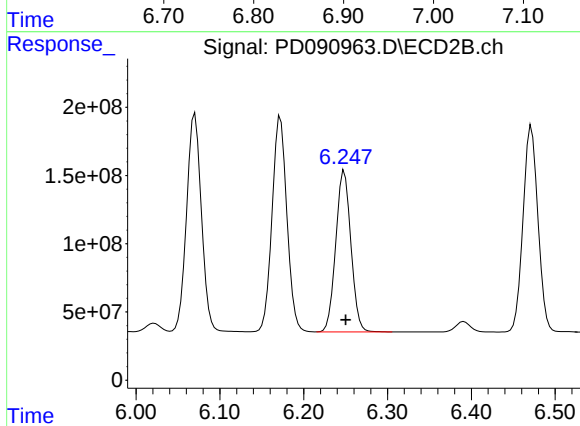
#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: -0.002 min
Response: 1949121630
Conc: 55.57 ng/ml



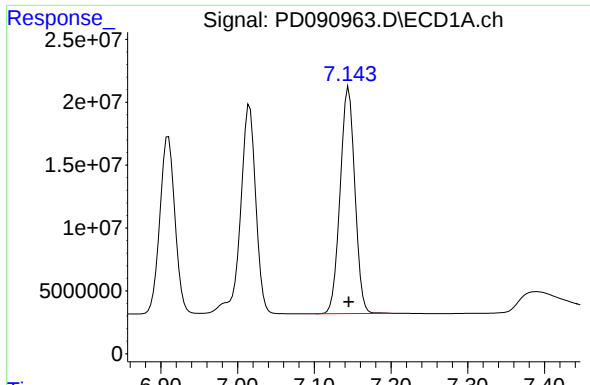
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: 0.000 min
Response: 195709310
Conc: 53.43 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 1479166879
Conc: 53.41 ng/ml



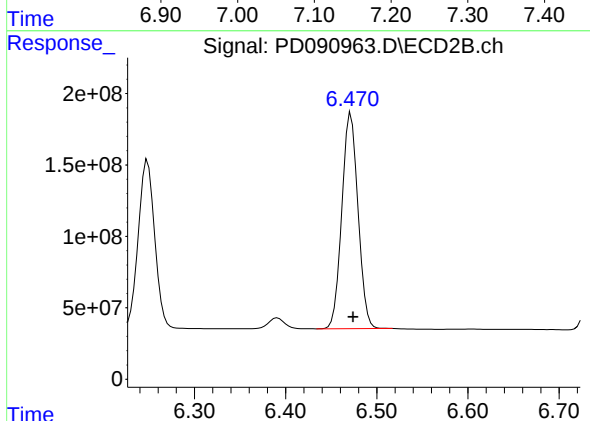
#19 Endosulfan Sulfate

R.T.: 7.145 min
Delta R.T.: 0.000 min
Response: 240253958
Conc: 51.80 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170371BS

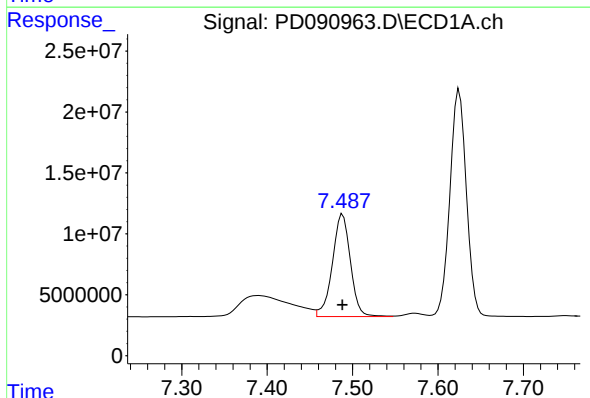
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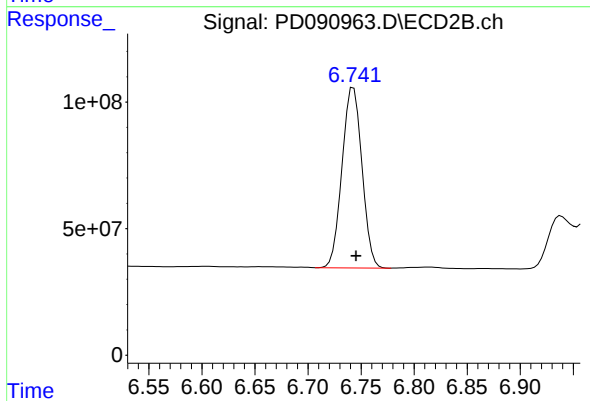
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.002 min
Response: 1861762787
Conc: 51.94 ng/ml



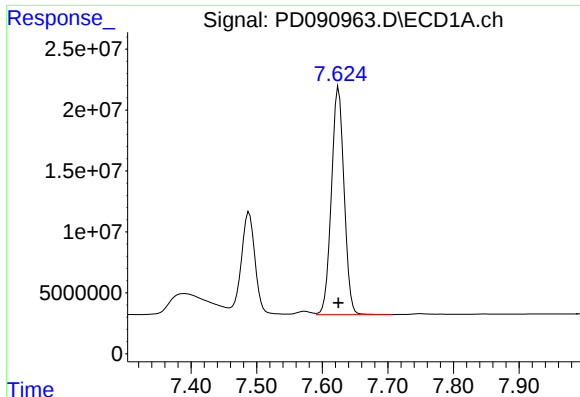
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 123827866
Conc: 58.26 ng/ml



#20 Methoxychlor

R.T.: 6.743 min
Delta R.T.: -0.002 min
Response: 930476130
Conc: 53.39 ng/ml



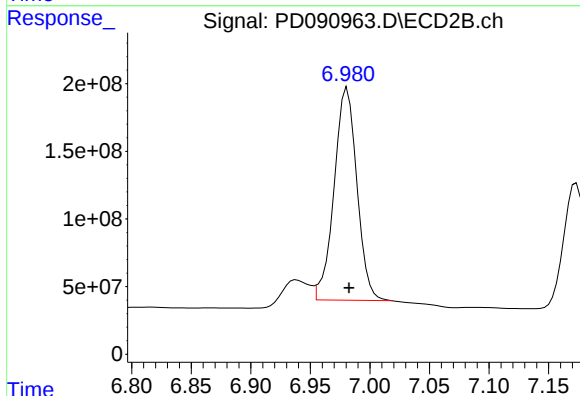
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: 0.000 min
Response: 250266489
Conc: 51.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PB170371BS

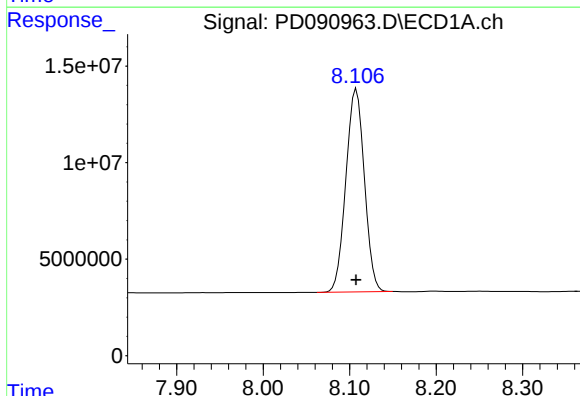
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 11/06/2025
Supervised By :mohammad ahmed 11/06/2025



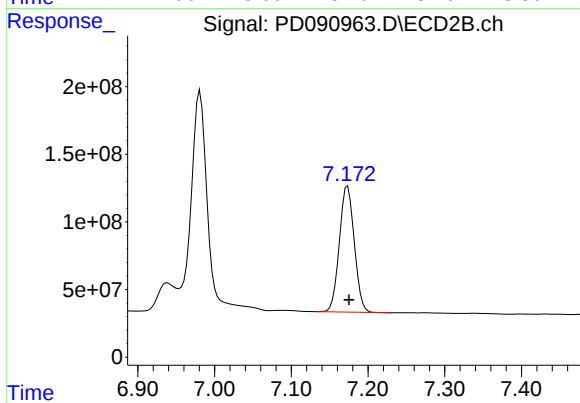
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.003 min
Response: 2087010057
Conc: 55.33 ng/ml m



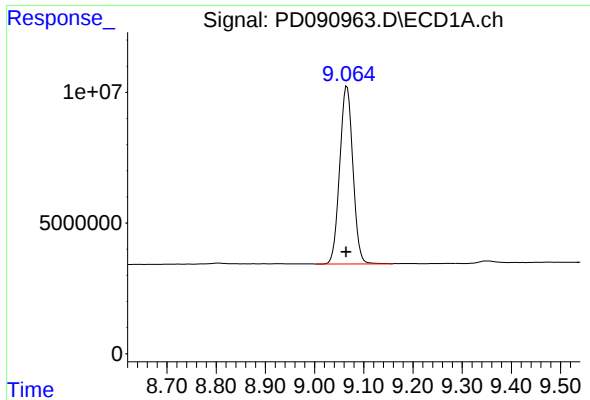
#22 Mirex

R.T.: 8.108 min
Delta R.T.: 0.000 min
Response: 155614010
Conc: 48.62 ng/ml



#22 Mirex

R.T.: 7.173 min
Delta R.T.: -0.002 min
Response: 1258738921
Conc: 49.00 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: 0.002 min
Response: 126435438
Conc: 27.03 ng/ml

Instrument :

ECD_D

ClientSampleId :

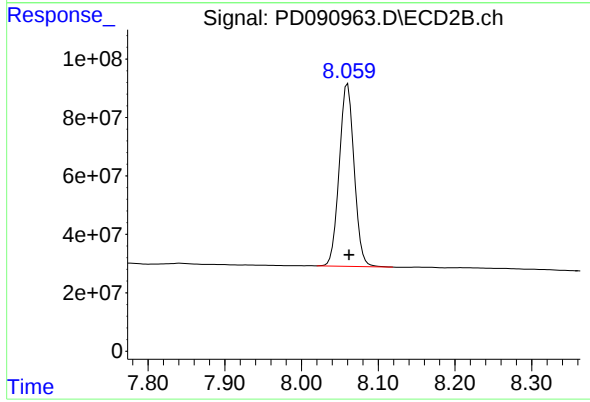
PB170371BS

Manual Integrations

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#28 Decachlorobiphenyl

R.T.: 8.060 min
Delta R.T.: -0.002 min
Response: 843381806
Conc: 27.84 ng/ml