

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
 Data File : PL097335.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 Sep 2025 19:47
 Operator : AR\AJ
 Sample : Q3092-02MS
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 291376MS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 09/23/2025
 Supervised By : mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 23 01:48:31 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:40:25 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 x0.25µm

Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds						
1) SA Tetrachlo...	3.526	2.825	74231591	114.3E6	16.397m	17.383
28) SA Decachlor...	8.999	7.984	55196689	87385123	16.868	15.353
Target Compounds						
2) A alpha-BHC	3.974	3.330	324.7E6	466.2E6	46.465	46.821
3) MA gamma-BHC...	4.302	3.661	303.7E6	434.0E6	45.923	46.590
4) MA Heptachlor	4.893	4.009	301.1E6	416.4E6	45.135	44.749
5) MB Aldrin	5.232	4.291	286.5E6	399.5E6	45.241	46.027
6) B beta-BHC	4.489	3.957	124.8E6	176.2E6	45.770	43.372
7) B delta-BHC	4.734	4.190	290.5E6	421.8E6	47.869m	45.886
8) B Heptachlo...	5.651	4.793	271.4E6	370.7E6	47.220	46.740
9) A Endosulfan I	6.033	5.163	238.2E6	351.2E6	45.969	45.701
10) B gamma-Chl...	5.905	5.045	261.3E6	404.4E6	46.214	46.305
11) B alpha-Chl...	5.985	5.108	257.9E6	389.1E6	45.399	46.882
12) B 4,4'-DDE	6.155	5.297	222.3E6	360.2E6	46.650	46.868
13) MA Dieldrin	6.305	5.428	251.4E6	384.0E6	45.859	46.957
14) MA Endrin	6.531	5.702	203.3E6	337.7E6	44.076	44.970
15) B Endosulfa...	6.745	5.994	210.5E6	324.0E6	42.807	45.574
16) A 4,4'-DDD	6.664	5.849	182.2E6	305.5E6	48.310	47.378
17) MA 4,4'-DDT	6.978	6.102	188.1E6	292.1E6	44.503	42.203
18) B Endrin al...	6.873	6.172	153.8E6	243.7E6	49.881	45.660
19) B Endosulfa...	7.107	6.396	188.0E6	302.2E6	46.057	44.125
20) A Methoxychlor	7.451	6.674	88194366	152.3E6	42.292	40.398
21) B Endrin ke...	7.586	6.900	200.8E6	335.5E6	47.304	44.558
22) Mirex	8.065	7.089	149.9E6	249.0E6	42.217	41.646

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL092225\
Data File : PL097335.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 22 Sep 2025 19:47
Operator : AR\AJ
Sample : Q3092-02MS
Misc :
ALS Vial : 20 Sample Multiplier: 1

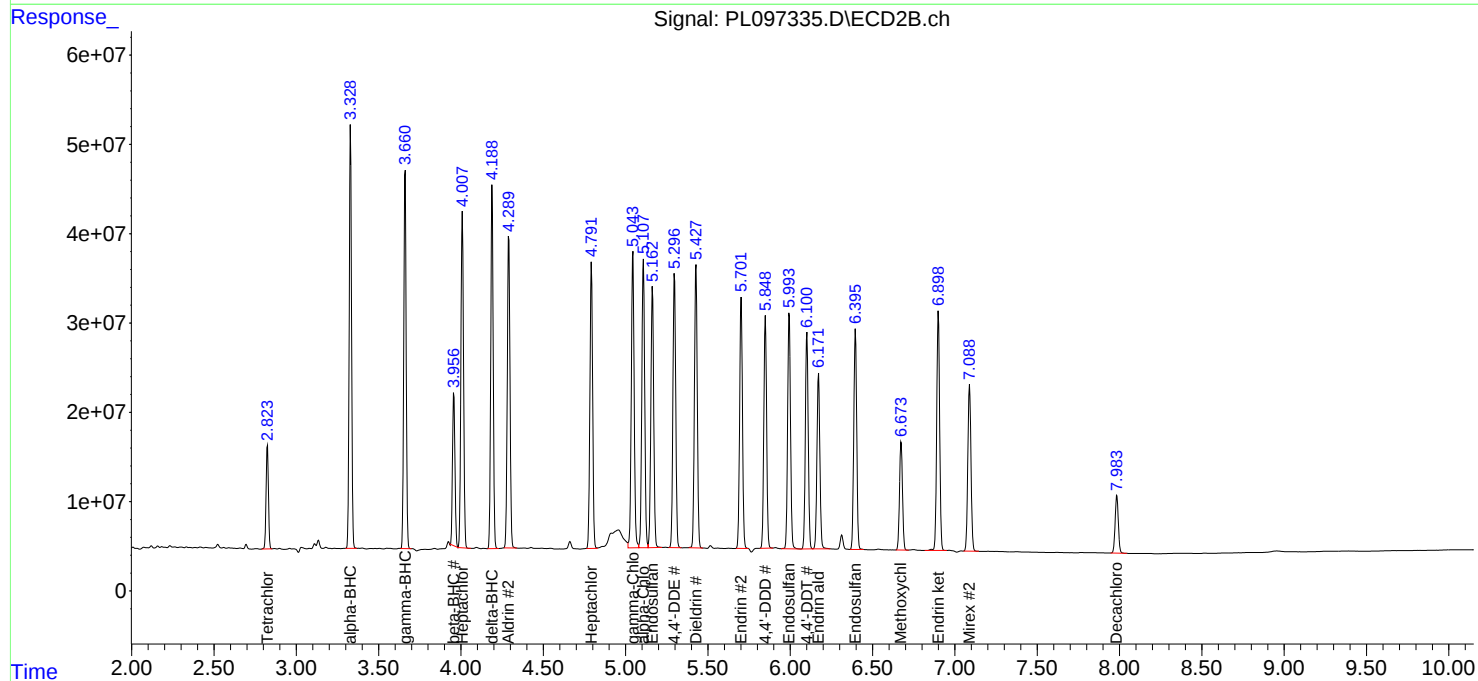
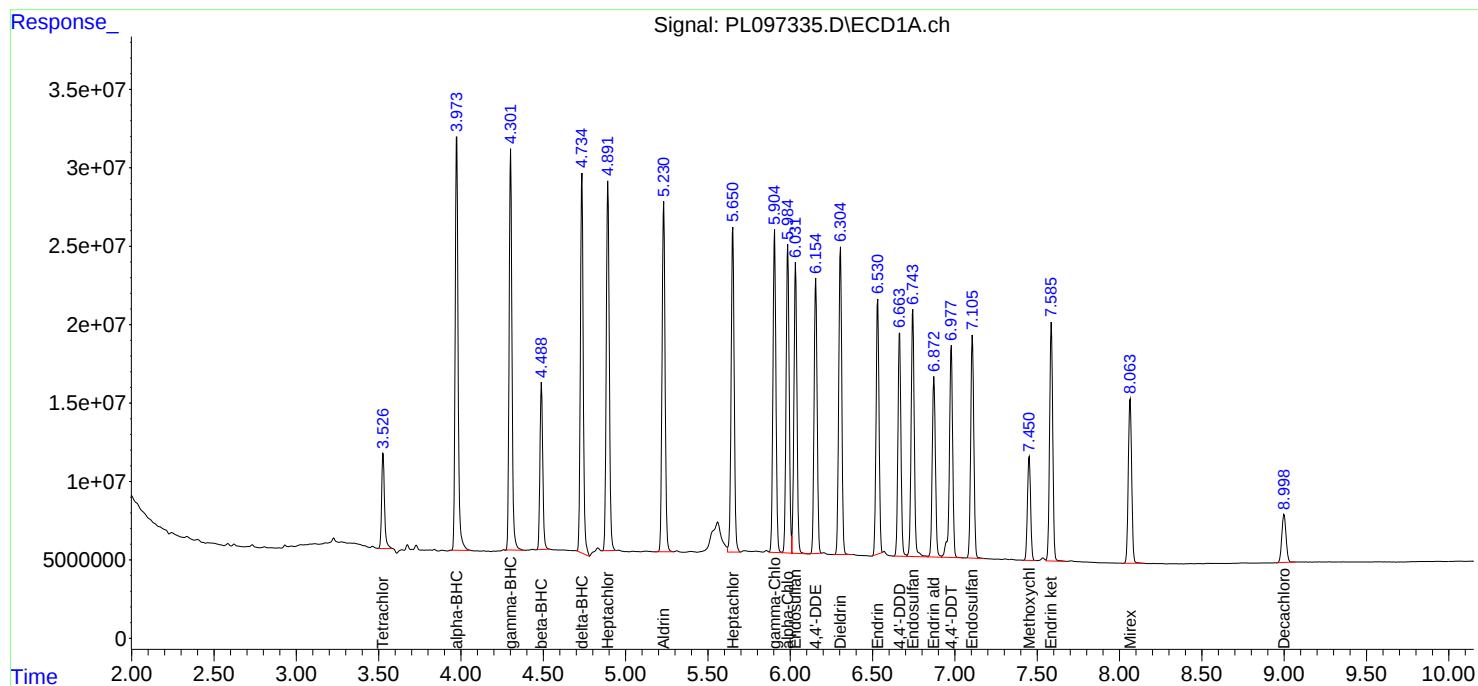
Instrument :
ECD_L
ClientSampleId :
291376MS

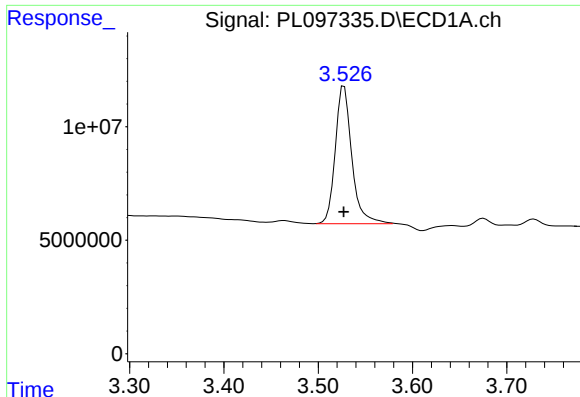
Manual Integrations
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Supervised By :mohammad ahmed 09/24/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Sep 23 01:48:31 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL092025.M
Quant Title : GC Extractables
QLast Update : Fri Sep 19 05:40:25 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 x0.25µm





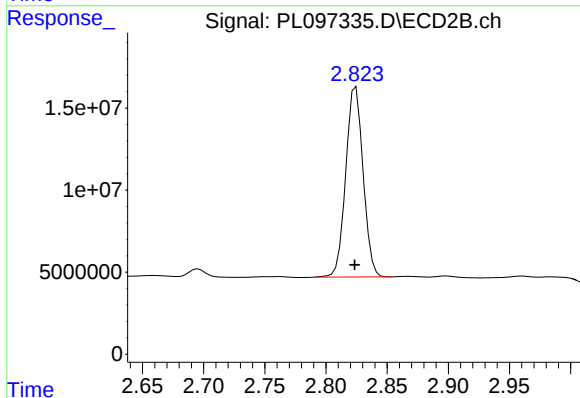
#1 Tetrachloro-m-xylene

R.T.: 3.526 min
Delta R.T.: 0.000 min
Response: 74231591
Conc: 16.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

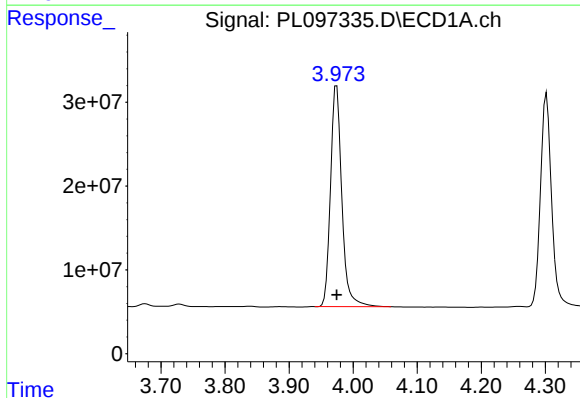
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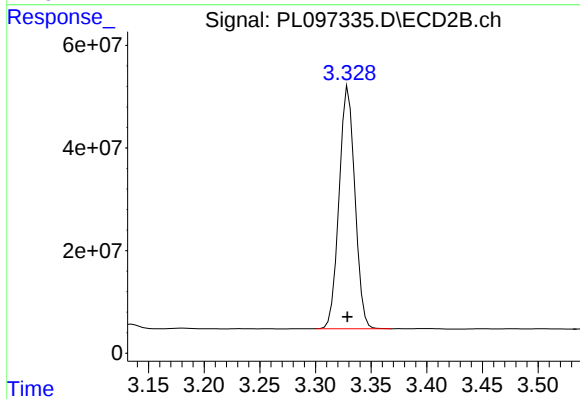
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.001 min
Response: 114300044
Conc: 17.38 ng/ml



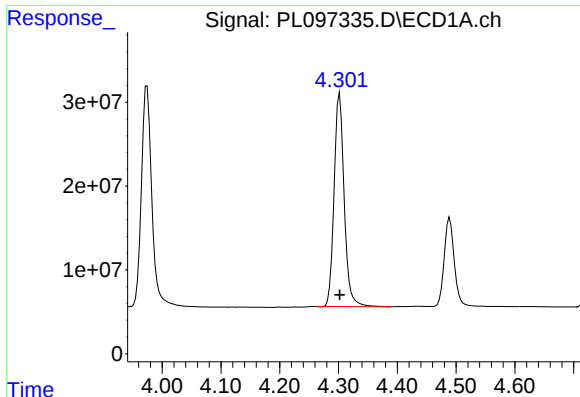
#2 alpha-BHC

R.T.: 3.974 min
Delta R.T.: 0.000 min
Response: 324670579
Conc: 46.46 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: 0.000 min
Response: 466225470
Conc: 46.82 ng/ml



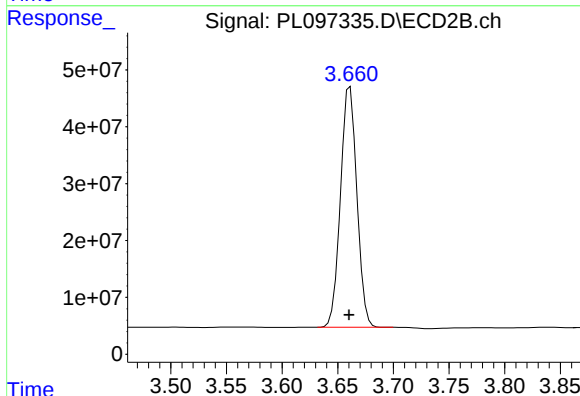
#3 gamma-BHC (Lindane)

R.T.: 4.302 min
Delta R.T.: 0.000 min
Response: 303695882
Conc: 45.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

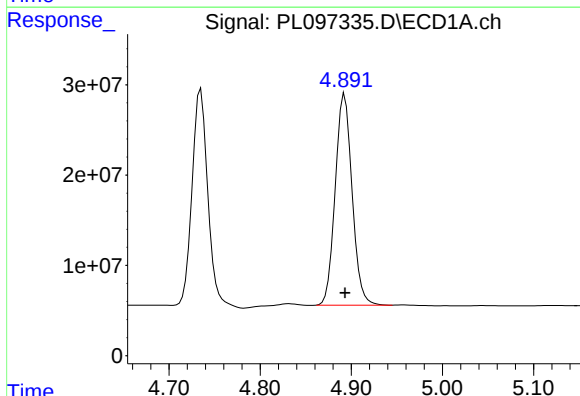
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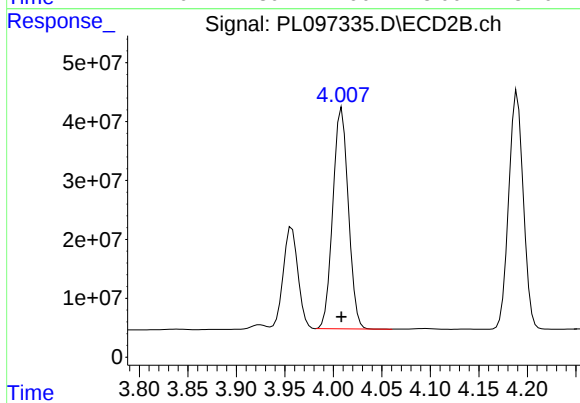
#3 gamma-BHC (Lindane)

R.T.: 3.661 min
Delta R.T.: 0.000 min
Response: 433966848
Conc: 46.59 ng/ml



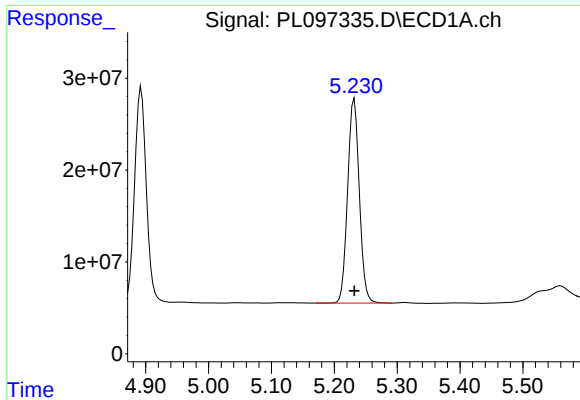
#4 Heptachlor

R.T.: 4.893 min
Delta R.T.: 0.000 min
Response: 301057144
Conc: 45.14 ng/ml



#4 Heptachlor

R.T.: 4.009 min
Delta R.T.: 0.000 min
Response: 416397911
Conc: 44.75 ng/ml



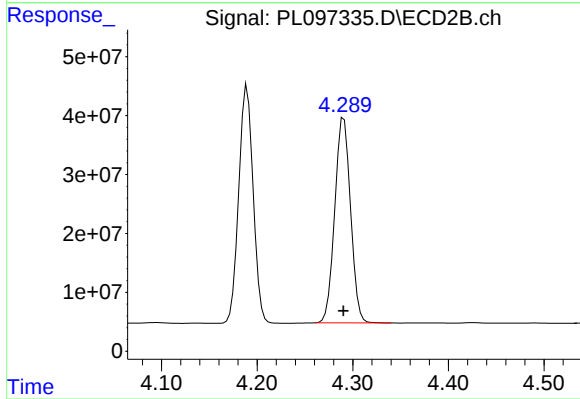
#5 Aldrin

R.T.: 5.232 min
Delta R.T.: 0.000 min
Response: 286547651
Conc: 45.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

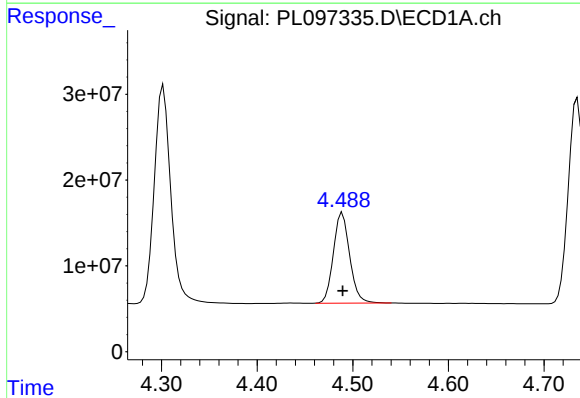
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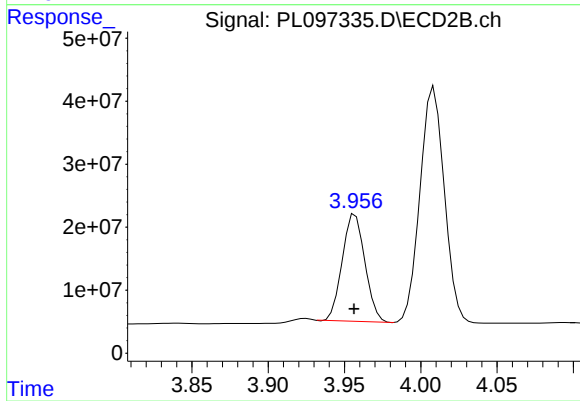
#5 Aldrin

R.T.: 4.291 min
Delta R.T.: 0.000 min
Response: 399484393
Conc: 46.03 ng/ml



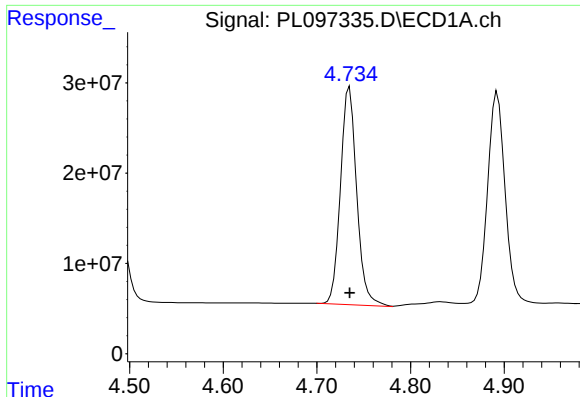
#6 beta-BHC

R.T.: 4.489 min
Delta R.T.: 0.000 min
Response: 124777746
Conc: 45.77 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: 0.000 min
Response: 176179993
Conc: 43.37 ng/ml



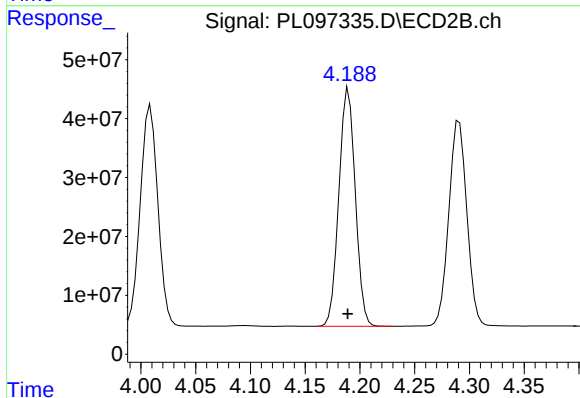
#7 delta-BHC

R.T.: 4.734 min
Delta R.T.: -0.002 min
Response: 290487656
Conc: 47.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

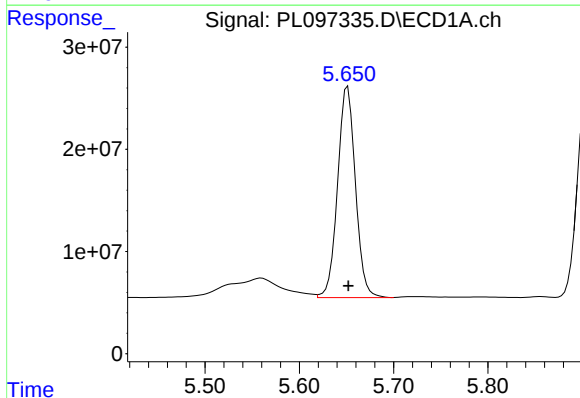
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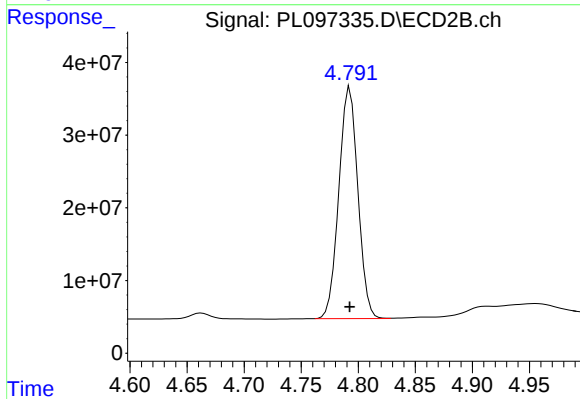
#7 delta-BHC

R.T.: 4.190 min
Delta R.T.: 0.000 min
Response: 421793570
Conc: 45.89 ng/ml



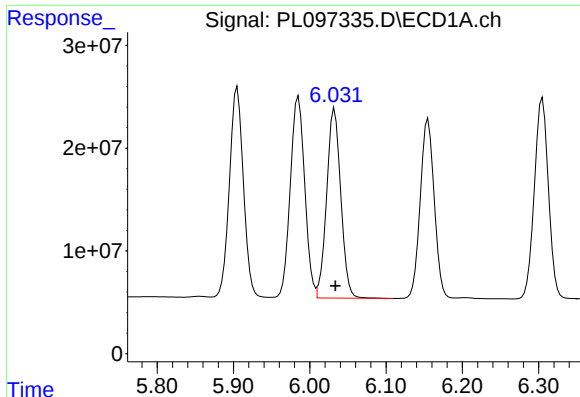
#8 Heptachlor epoxide

R.T.: 5.651 min
Delta R.T.: 0.000 min
Response: 271369215
Conc: 47.22 ng/ml



#8 Heptachlor epoxide

R.T.: 4.793 min
Delta R.T.: 0.000 min
Response: 370717332
Conc: 46.74 ng/ml



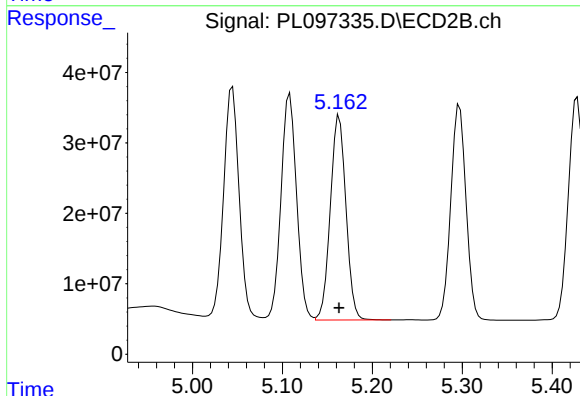
#9 Endosulfan I

R.T.: 6.033 min
Delta R.T.: 0.000 min
Response: 238180296
Conc: 45.97 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

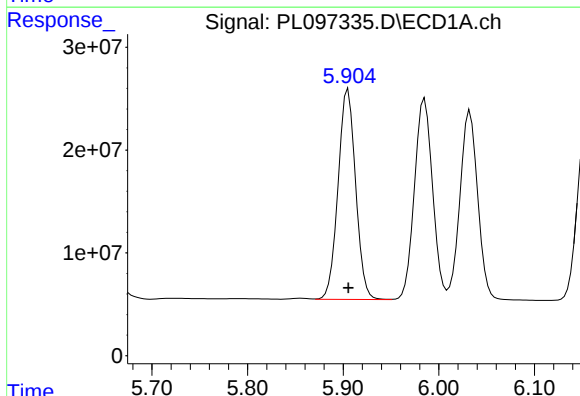
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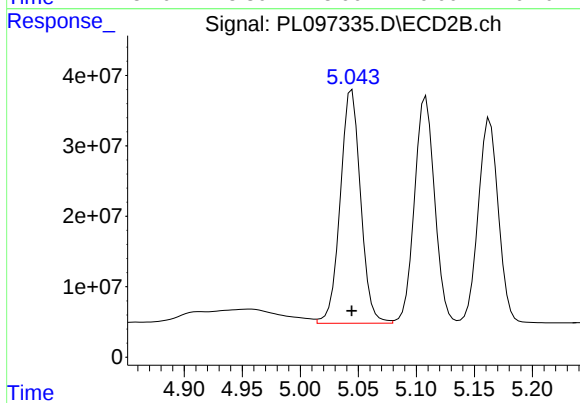
#9 Endosulfan I

R.T.: 5.163 min
Delta R.T.: 0.000 min
Response: 351150461
Conc: 45.70 ng/ml



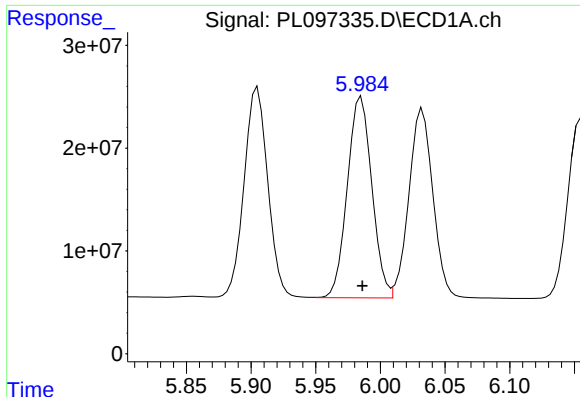
#10 gamma-Chlordane

R.T.: 5.905 min
Delta R.T.: 0.000 min
Response: 261270922
Conc: 46.21 ng/ml



#10 gamma-Chlordane

R.T.: 5.045 min
Delta R.T.: 0.000 min
Response: 404418066
Conc: 46.30 ng/ml



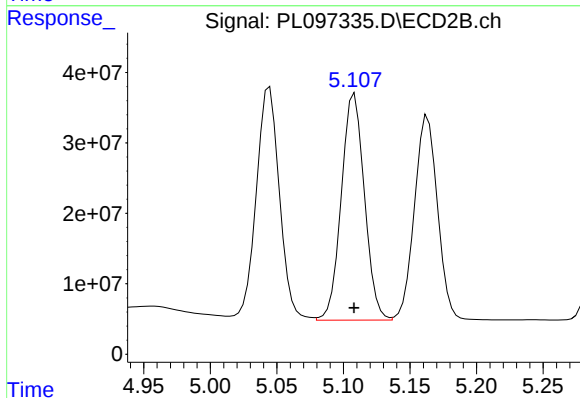
#11 alpha-Chlordane

R.T.: 5.985 min
Delta R.T.: -0.001 min
Response: 257862363
Conc: 45.40 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

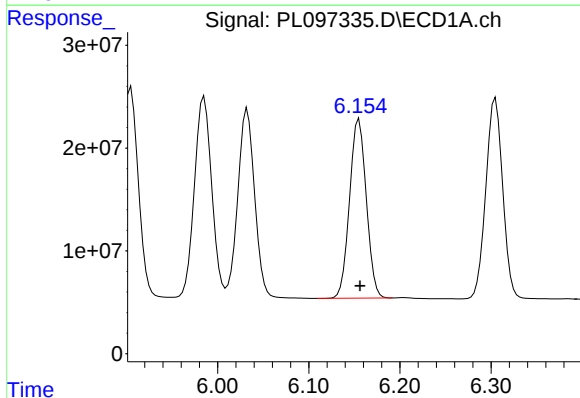
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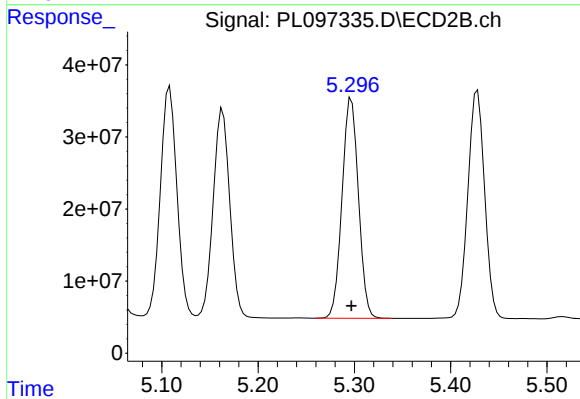
#11 alpha-Chlordane

R.T.: 5.108 min
Delta R.T.: 0.000 min
Response: 389140644
Conc: 46.88 ng/ml



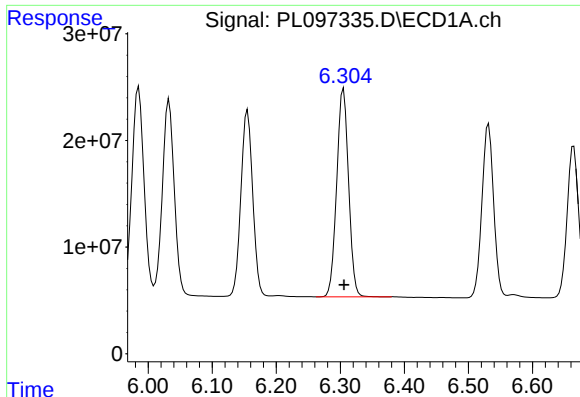
#12 4,4'-DDE

R.T.: 6.155 min
Delta R.T.: 0.000 min
Response: 222275119
Conc: 46.65 ng/ml



#12 4,4'-DDE

R.T.: 5.297 min
Delta R.T.: 0.000 min
Response: 360166942
Conc: 46.87 ng/ml



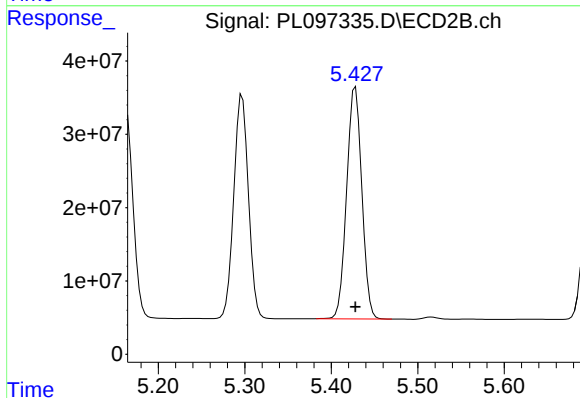
#13 Dieldrin

R.T.: 6.305 min
Delta R.T.: 0.000 min
Response: 251403696
Conc: 45.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

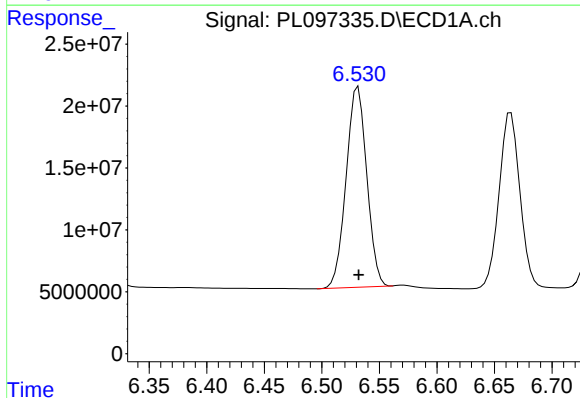
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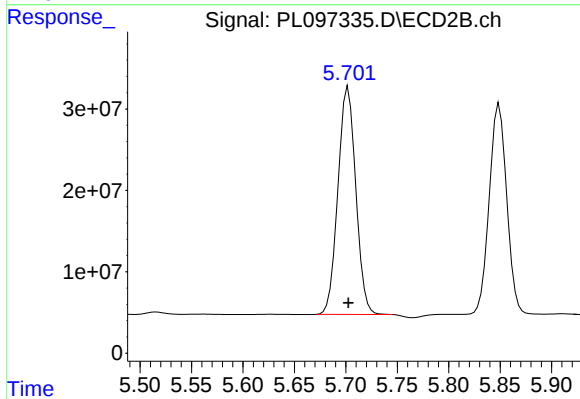
#13 Dieldrin

R.T.: 5.428 min
Delta R.T.: 0.000 min
Response: 383960645
Conc: 46.96 ng/ml



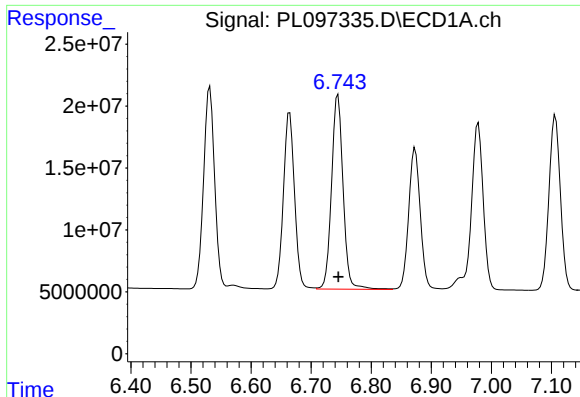
#14 Endrin

R.T.: 6.531 min
Delta R.T.: 0.000 min
Response: 203330706
Conc: 44.08 ng/ml



#14 Endrin

R.T.: 5.702 min
Delta R.T.: 0.000 min
Response: 337747234
Conc: 44.97 ng/ml



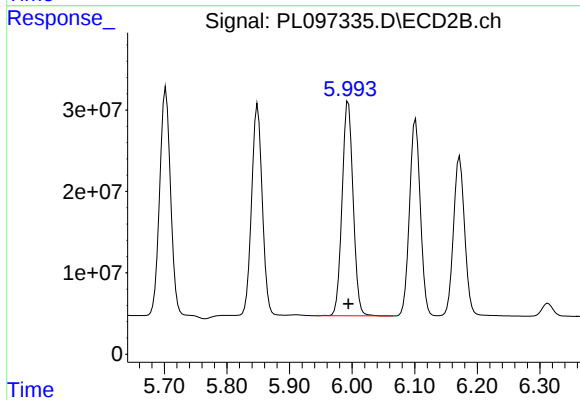
#15 Endosulfan II

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 210538835
Conc: 42.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

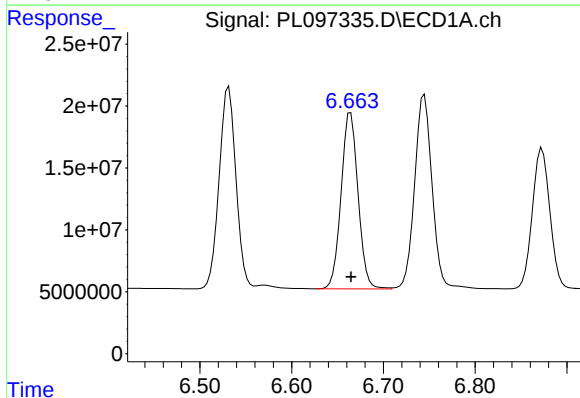
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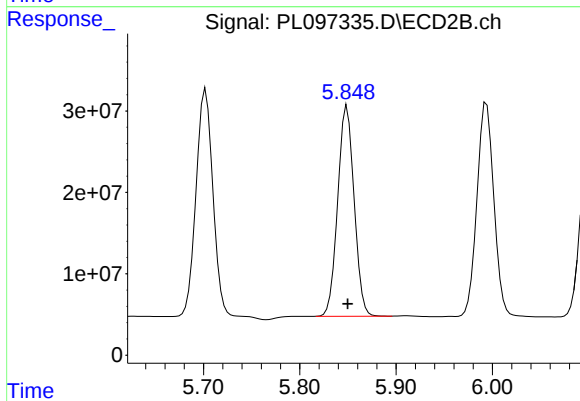
#15 Endosulfan II

R.T.: 5.994 min
Delta R.T.: 0.000 min
Response: 323993971
Conc: 45.57 ng/ml



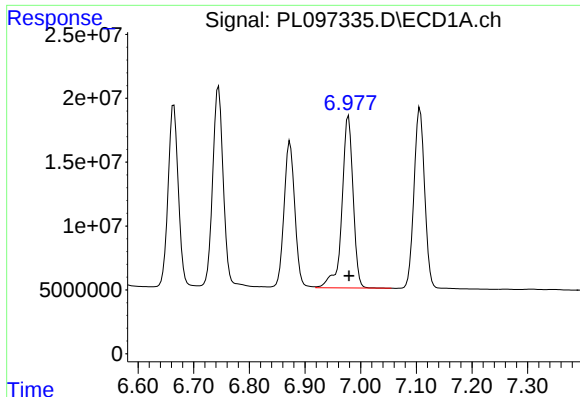
#16 4,4'-DDD

R.T.: 6.664 min
Delta R.T.: 0.000 min
Response: 182155245
Conc: 48.31 ng/ml



#16 4,4'-DDD

R.T.: 5.849 min
Delta R.T.: 0.000 min
Response: 305545101
Conc: 47.38 ng/ml



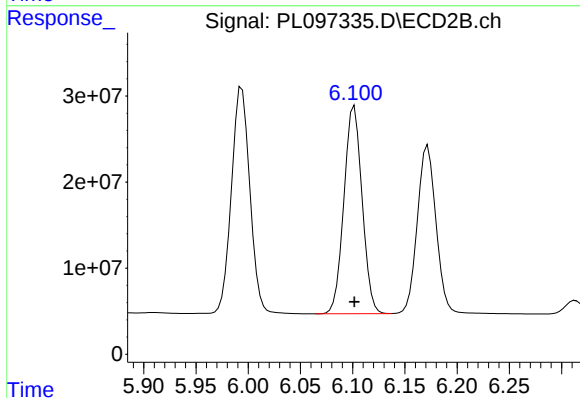
#17 4,4'-DDT

R.T.: 6.978 min
Delta R.T.: 0.000 min
Response: 188125009
Conc: 44.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

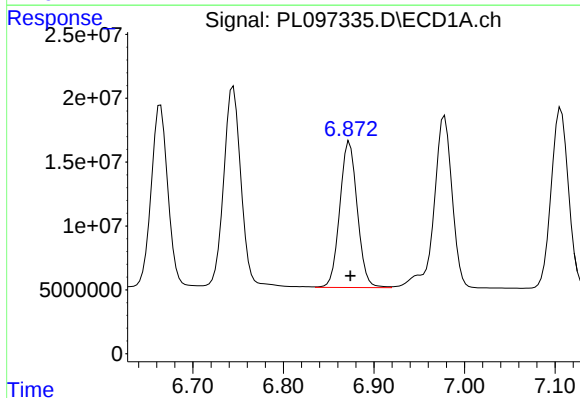
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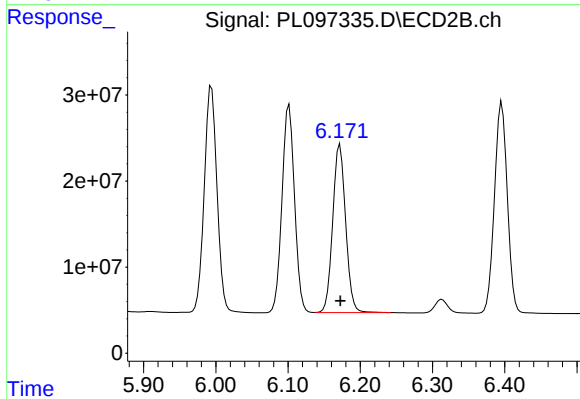
#17 4,4'-DDT

R.T.: 6.102 min
Delta R.T.: 0.000 min
Response: 292065572
Conc: 42.20 ng/ml



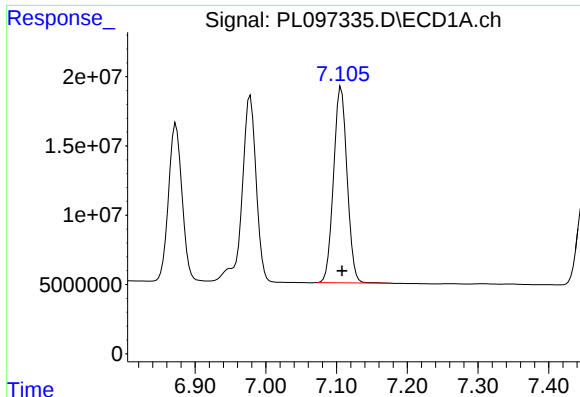
#18 Endrin aldehyde

R.T.: 6.873 min
Delta R.T.: -0.001 min
Response: 153772498
Conc: 49.88 ng/ml



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: 0.000 min
Response: 243706969
Conc: 45.66 ng/ml



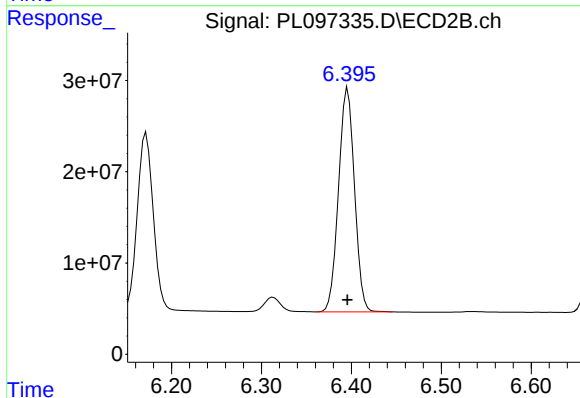
#19 Endosulfan Sulfate

R.T.: 7.107 min
Delta R.T.: -0.001 min
Response: 188036973
Conc: 46.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

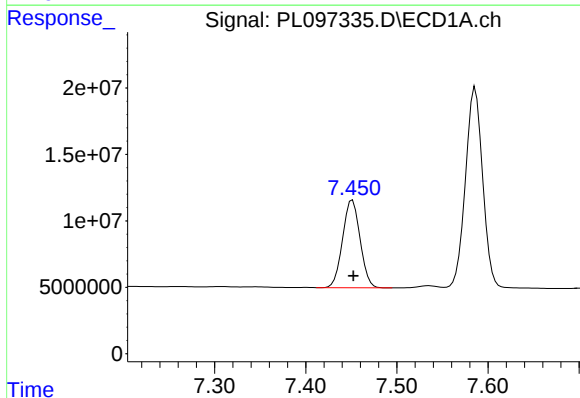
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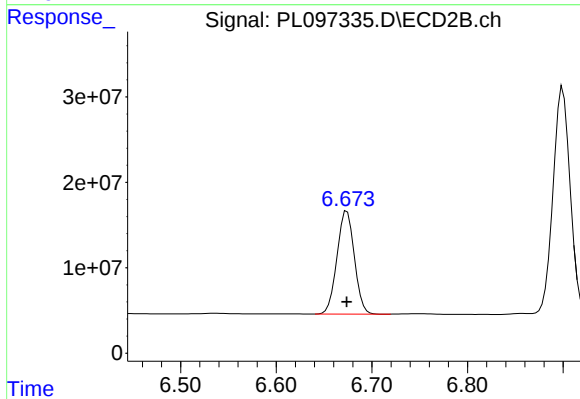
#19 Endosulfan Sulfate

R.T.: 6.396 min
Delta R.T.: 0.000 min
Response: 302244246
Conc: 44.12 ng/ml



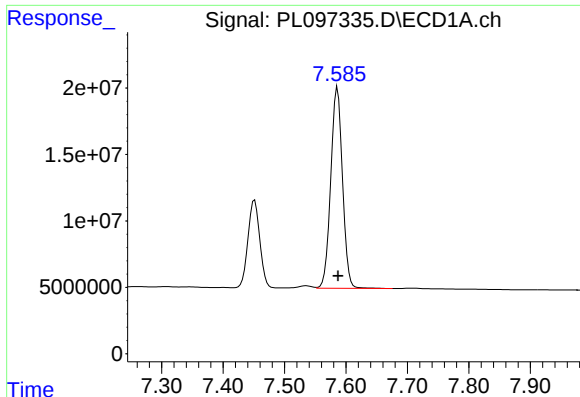
#20 Methoxychlor

R.T.: 7.451 min
Delta R.T.: 0.000 min
Response: 88194366
Conc: 42.29 ng/ml



#20 Methoxychlor

R.T.: 6.674 min
Delta R.T.: 0.000 min
Response: 152278515
Conc: 40.40 ng/ml



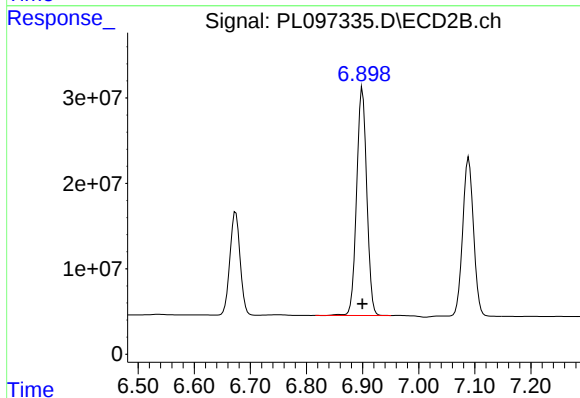
#21 Endrin ketone

R.T.: 7.586 min
Delta R.T.: 0.000 min
Response: 200775671
Conc: 47.30 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

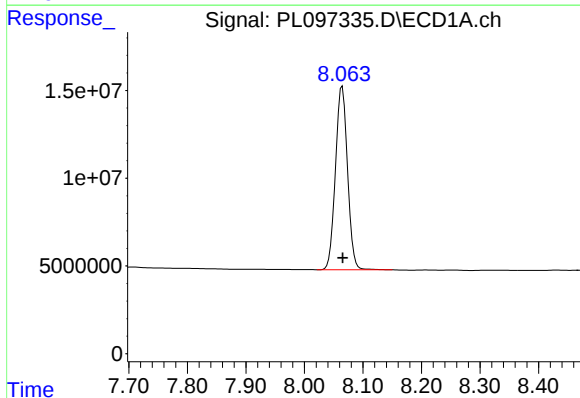
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 09/23/2025
Supervised By :mohammad ahmed 09/24/2025



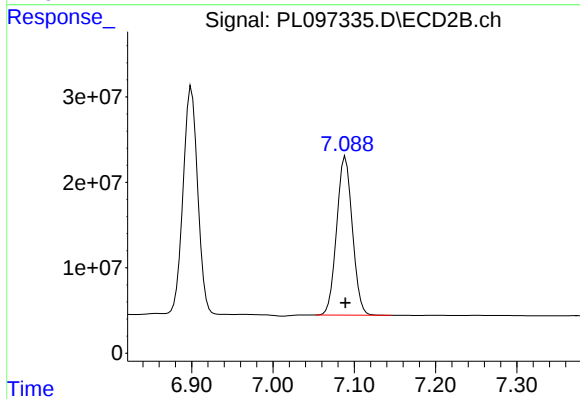
#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: 0.000 min
Response: 335537244
Conc: 44.56 ng/ml



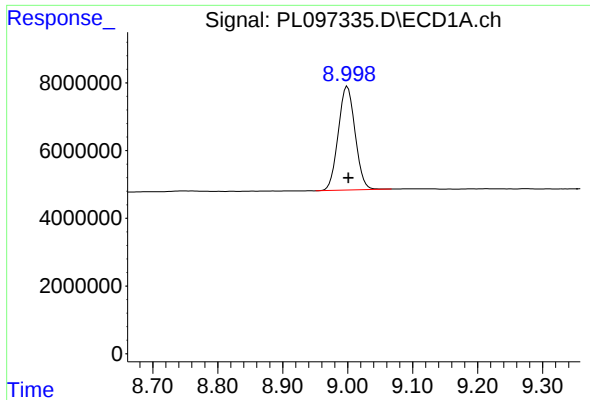
#22 Mirex

R.T.: 8.065 min
Delta R.T.: 0.000 min
Response: 149883585
Conc: 42.22 ng/ml



#22 Mirex

R.T.: 7.089 min
Delta R.T.: 0.000 min
Response: 248990886
Conc: 41.65 ng/ml



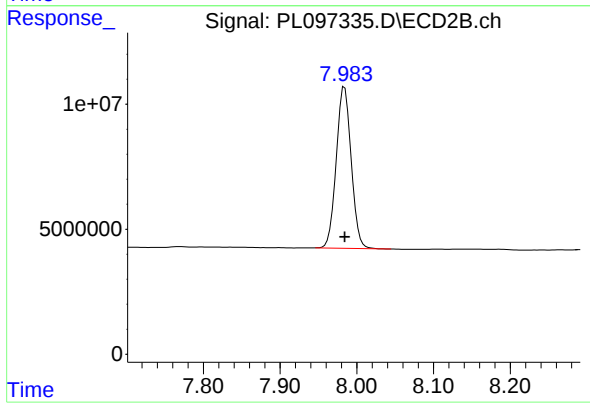
#28 Decachlorobiphenyl

R.T.: 8.999 min
Delta R.T.: -0.001 min
Response: 55196689
Conc: 16.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
291376MS

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#28 Decachlorobiphenyl

R.T.: 7.984 min
Delta R.T.: 0.000 min
Response: 87385123
Conc: 15.35 ng/ml