

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061225\
 Data File : PL096023.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Jun 2025 16:16
 Operator : AR\AJ
 Sample : PB168436BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168436BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/13/2025
 Supervised By : mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 12 22:52:43 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061125.M
 Quant Title : GC Extractables
 QLast Update : Wed Jun 11 14:04:36 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...	3.571	2.882	60921211	74023570	18.748	18.239
28) SA Decachlor...	9.118	8.064	48625606	98489121	19.892	20.715
Target Compounds						
2) A alpha-BHC	4.022	3.391	232.4E6	288.2E6	46.527	47.248
3) MA gamma-BHC...	4.354	3.724	214.9E6	272.9E6	46.070	46.936
4) MA Heptachlor	4.952	4.076	184.6E6	268.6E6	44.775	46.616
5) MB Aldrin	5.294	4.361	207.7E6	260.1E6	46.642	47.413
6) B beta-BHC	4.542	4.019	92405063	118.7E6	46.639	46.077
7) B delta-BHC	4.790	4.255	209.3E6	271.5E6	46.014	46.952
8) B Heptachlo...	5.715	4.864	183.8E6	240.7E6	46.598	46.898
9) A Endosulfan I	6.098	5.236	174.0E6	238.3E6	46.536	43.069
10) B gamma-Chl...	5.969	5.116	187.4E6	261.9E6	46.354	48.161
11) B alpha-Chl...	6.051	5.181	187.5E6	256.8E6	46.536	45.066
12) B 4,4'-DDE	6.222	5.369	172.5E6	256.5E6	46.381	47.341
13) MA Dieldrin	6.372	5.502	186.9E6	257.1E6	46.892	47.382
14) MA Endrin	6.600	5.776	145.7E6	222.2E6	46.013	46.785m
15) B Endosulfa...	6.814	6.070	150.4E6	230.3E6	43.278	46.759
16) A 4,4'-DDD	6.732	5.922	137.9E6	217.8E6	45.850	47.600
17) MA 4,4'-DDT	7.049	6.177	130.5E6	219.9E6	45.851	46.651
18) B Endrin al...	6.943	6.248	114.9E6	169.6E6	46.372	46.218
19) B Endosulfa...	7.177	6.472	143.4E6	219.0E6	46.376	46.689
20) A Methoxychlor	7.525	6.749	63493549	115.6E6	44.345	44.896
21) B Endrin ke...	7.660	6.979	156.5E6	262.3E6	46.659	47.405
22) Mirex	8.143	7.172	115.7E6	202.8E6	45.871	46.495

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061225\
Data File : PL096023.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 12 Jun 2025 16:16
Operator : AR\AJ
Sample : PB168436BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168436BS

Manual Integrations

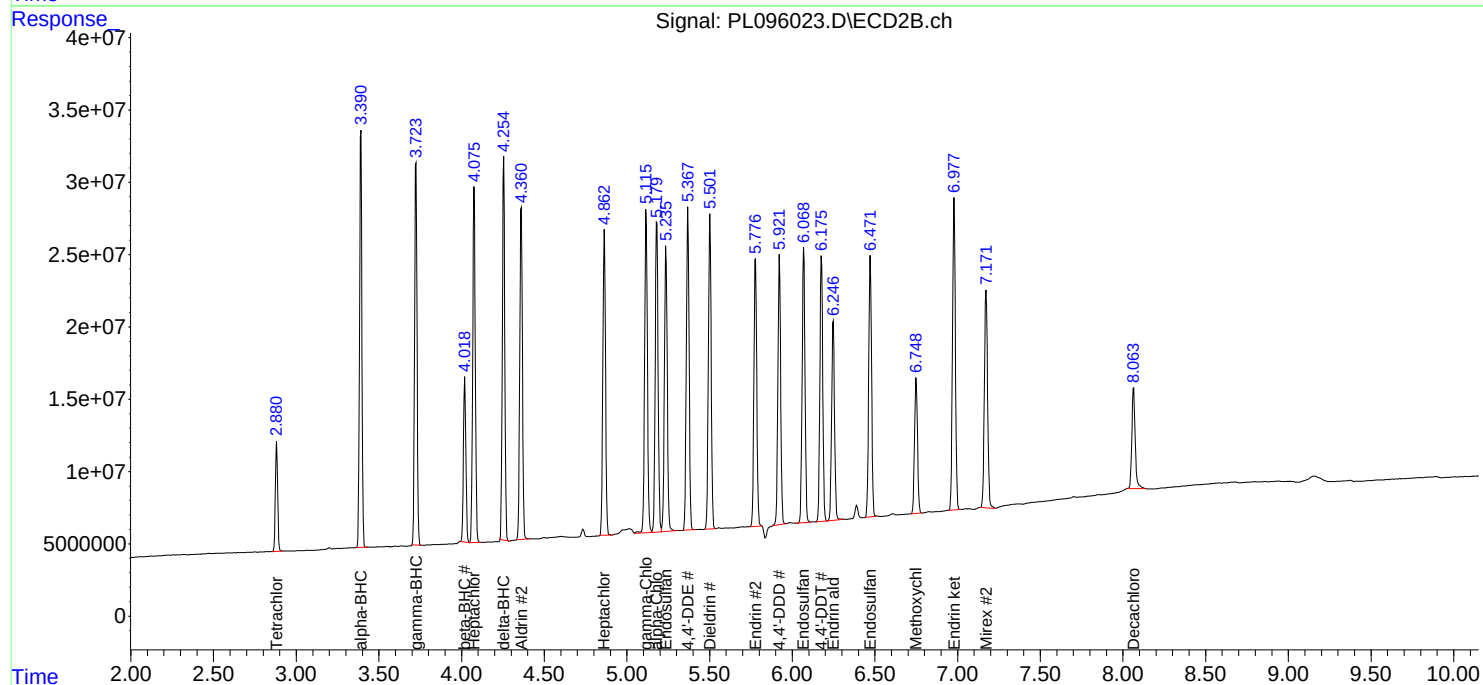
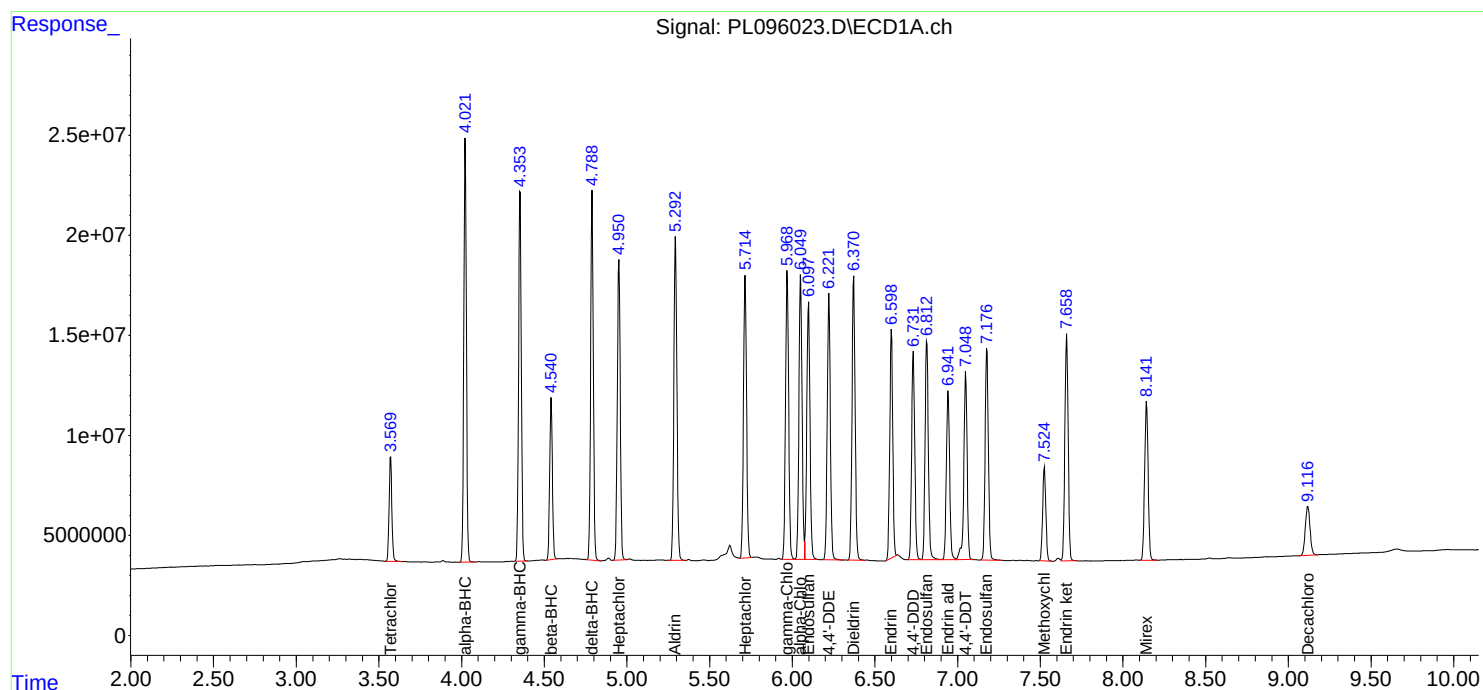
APPROVED

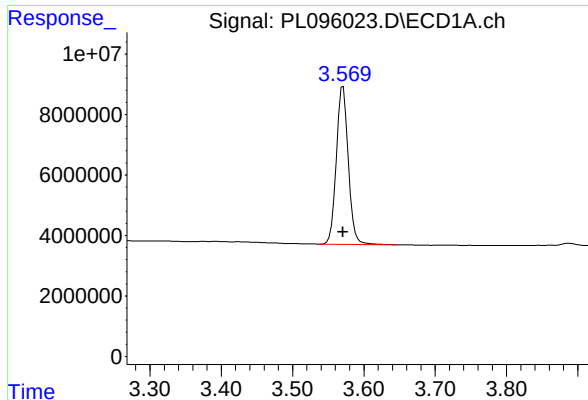
Reviewed By :Abdul Mirza 06/13/2025

Supervised By :mohammad ahmed 06/16/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 12 22:52:43 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061125.M
Quant Title : GC Extractables
QLast Update : Wed Jun 11 14:04:36 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





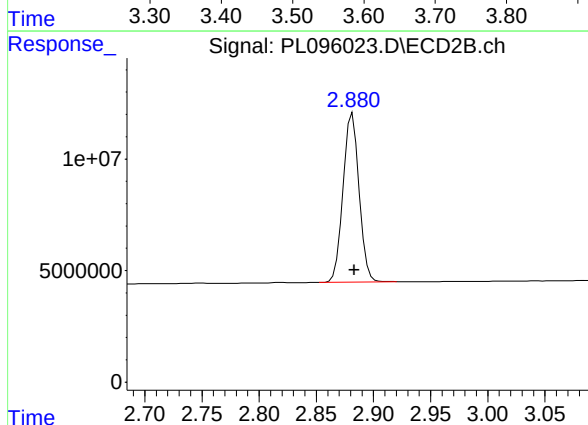
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: 0.000 min
Response: 60921211
Conc: 18.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

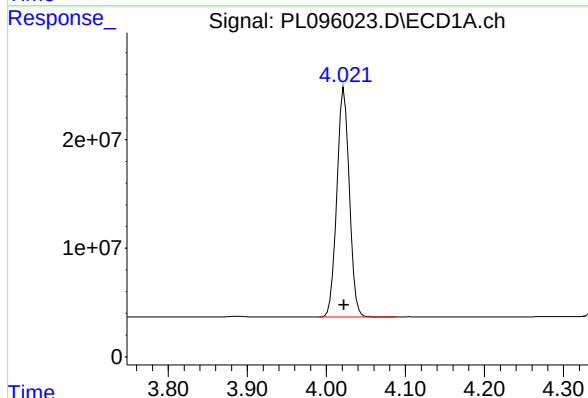
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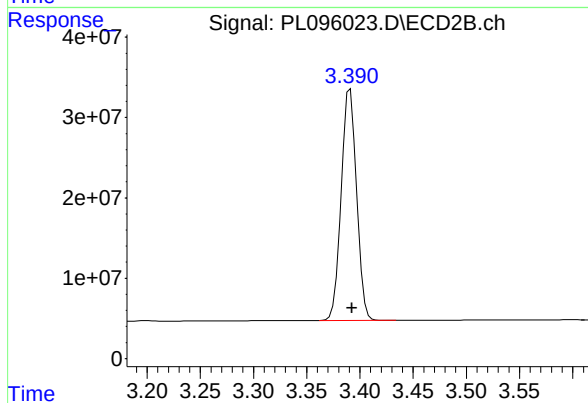
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: -0.002 min
Response: 74023570
Conc: 18.24 ng/ml



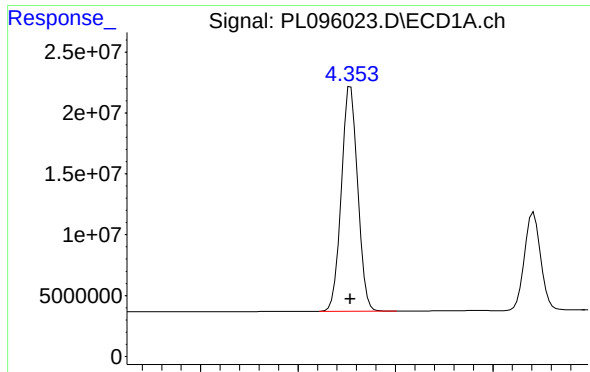
#2 alpha-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 232410260
Conc: 46.53 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: -0.002 min
Response: 288223151
Conc: 47.25 ng/ml



#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 214889867
Conc: 46.07 ng/ml

Instrument :

ECD_L

ClientSampleId :

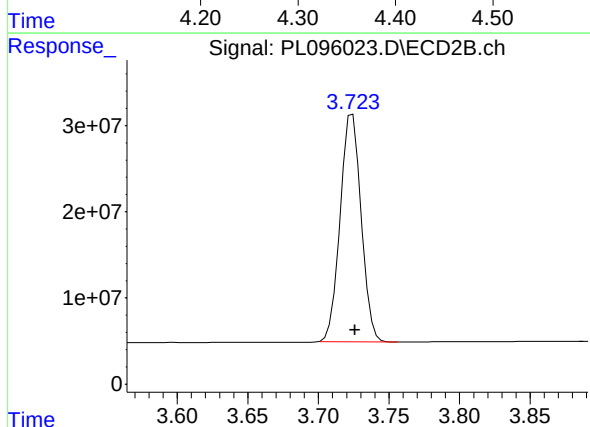
PB168436BS

Manual Integrations

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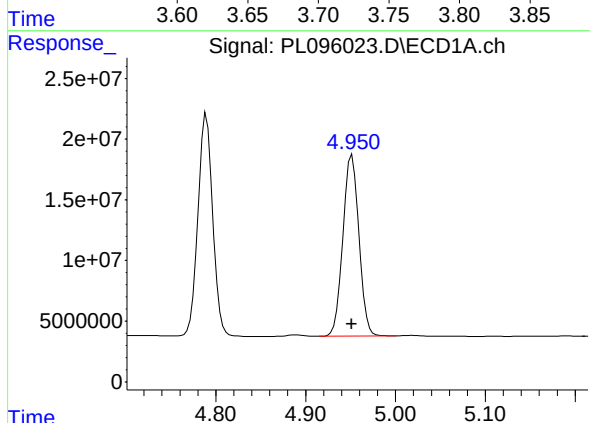
Reviewed By :Abdul Mirza 06/13/2025

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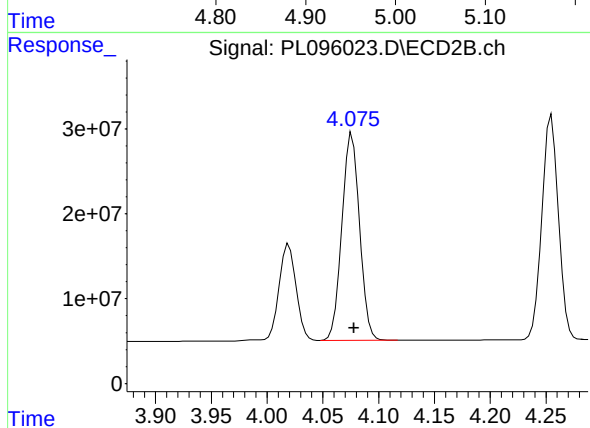
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.002 min
Response: 272896484
Conc: 46.94 ng/ml



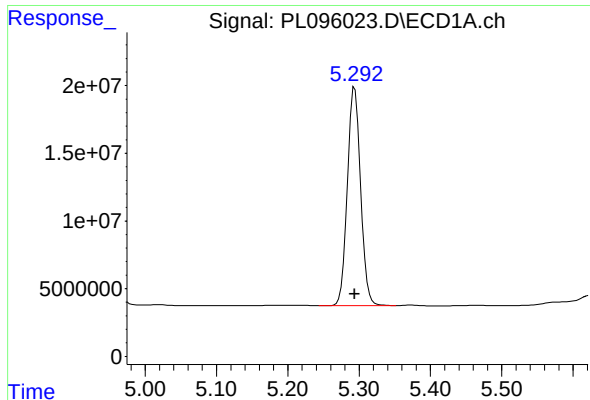
#4 Heptachlor

R.T.: 4.952 min
Delta R.T.: 0.000 min
Response: 184595471
Conc: 44.78 ng/ml



#4 Heptachlor

R.T.: 4.076 min
Delta R.T.: -0.002 min
Response: 268633089
Conc: 46.62 ng/ml



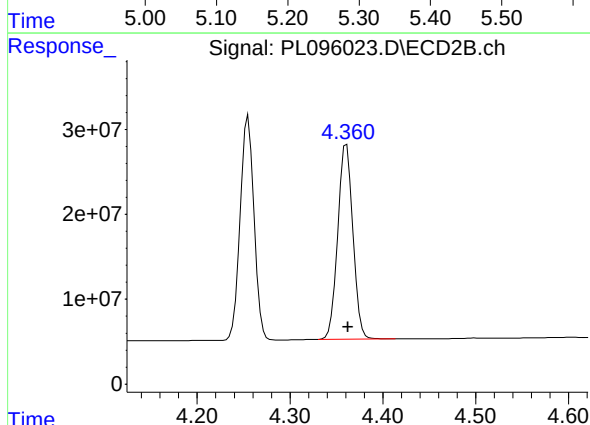
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 207718437
Conc: 46.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

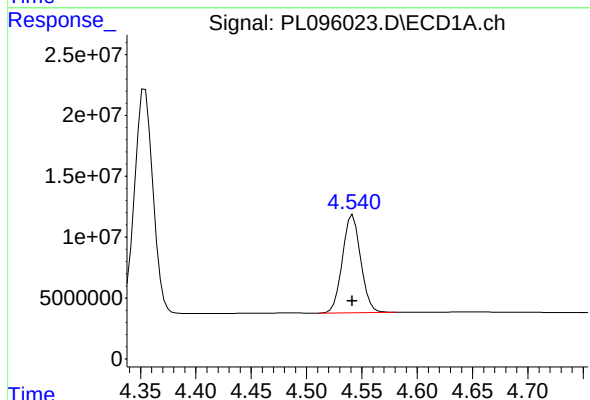
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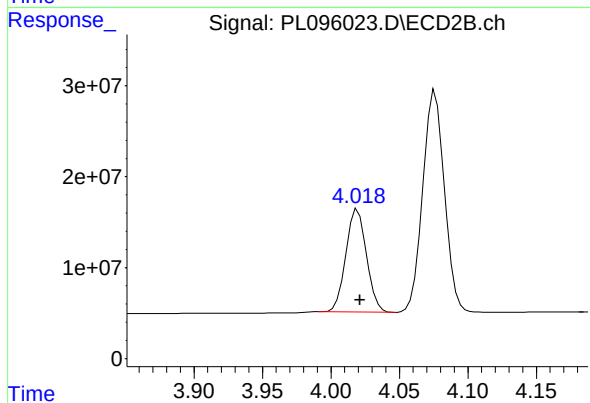
#5 Aldrin

R.T.: 4.361 min
Delta R.T.: -0.001 min
Response: 260094372
Conc: 47.41 ng/ml



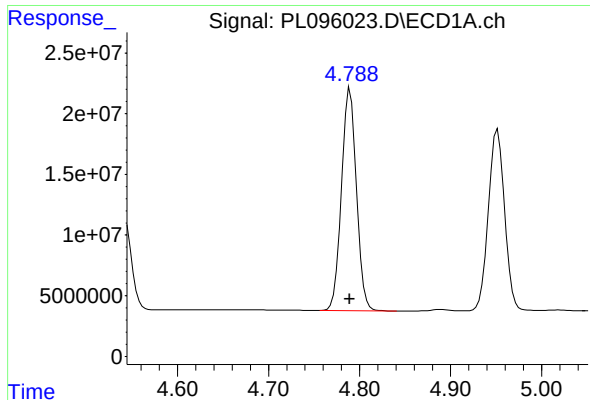
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: 0.000 min
Response: 92405063
Conc: 46.64 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.002 min
Response: 118657559
Conc: 46.08 ng/ml



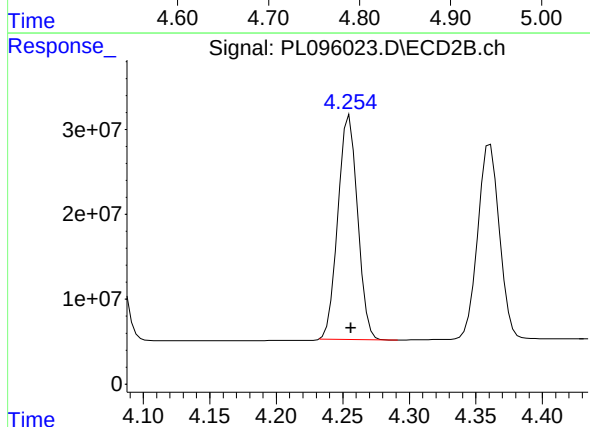
#7 delta-BHC

R.T.: 4.790 min
Delta R.T.: 0.000 min
Response: 209330242
Conc: 46.01 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

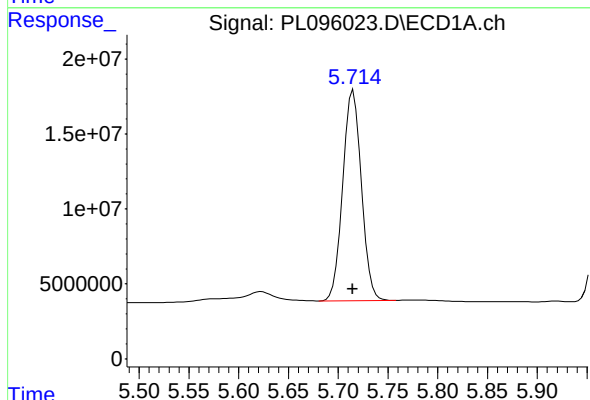
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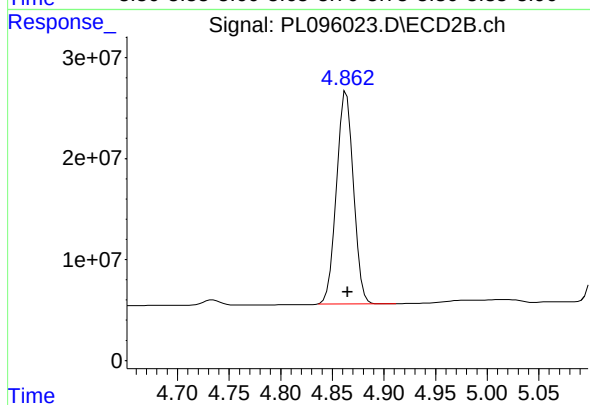
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: -0.001 min
Response: 271546029
Conc: 46.95 ng/ml



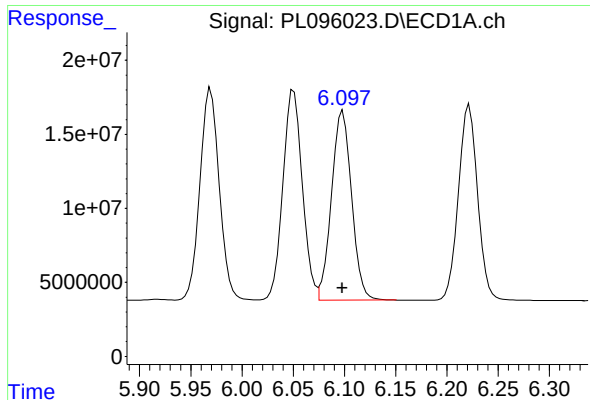
#8 Heptachlor epoxide

R.T.: 5.715 min
Delta R.T.: 0.000 min
Response: 183808714
Conc: 46.60 ng/ml



#8 Heptachlor epoxide

R.T.: 4.864 min
Delta R.T.: -0.001 min
Response: 240703153
Conc: 46.90 ng/ml



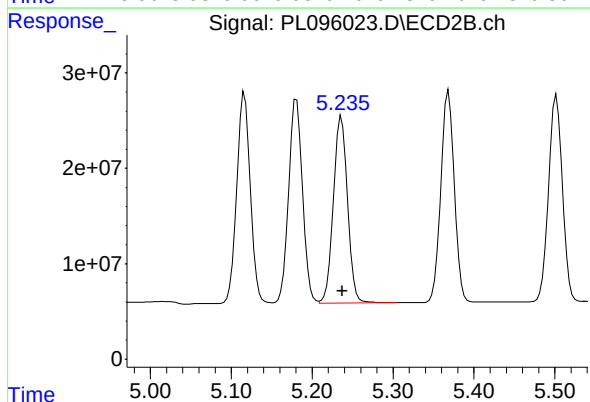
#9 Endosulfan I

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 173966749
Conc: 46.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

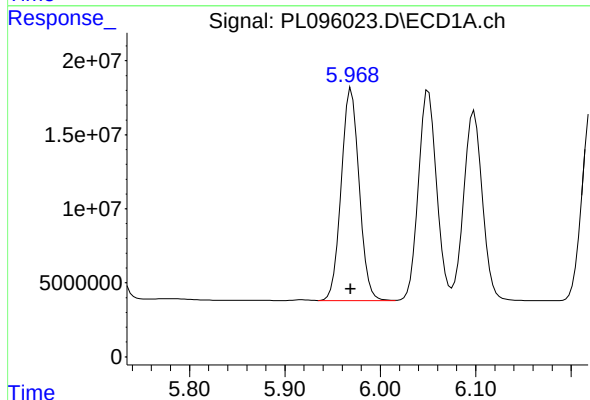
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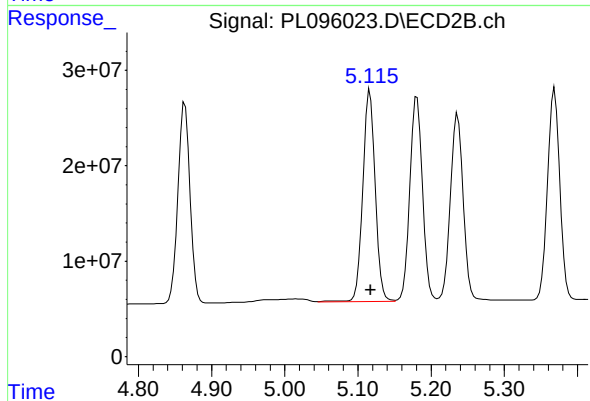
#9 Endosulfan I

R.T.: 5.236 min
Delta R.T.: -0.001 min
Response: 238276142
Conc: 43.07 ng/ml



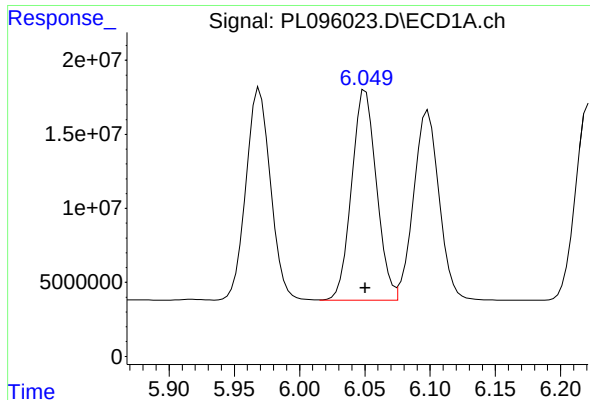
#10 gamma-Chlordane

R.T.: 5.969 min
Delta R.T.: 0.000 min
Response: 187378758
Conc: 46.35 ng/ml



#10 gamma-Chlordane

R.T.: 5.116 min
Delta R.T.: -0.001 min
Response: 261860780
Conc: 48.16 ng/ml



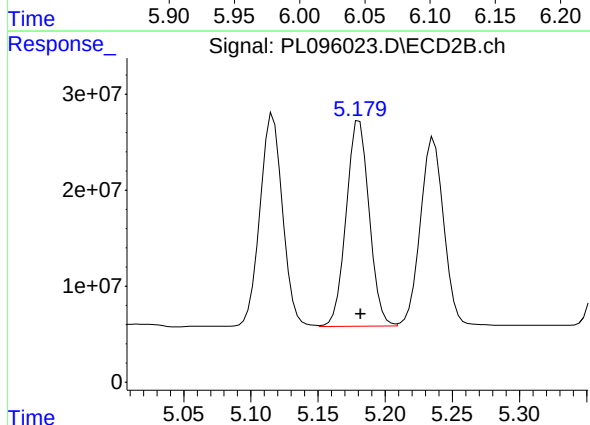
#11 alpha-Chlordane

R.T.: 6.051 min
Delta R.T.: 0.000 min
Response: 187526845
Conc: 46.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

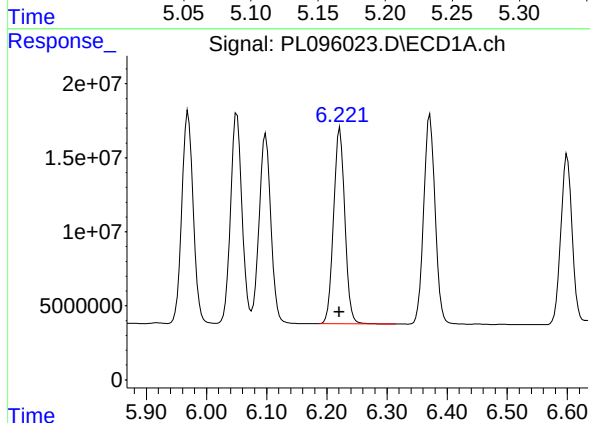
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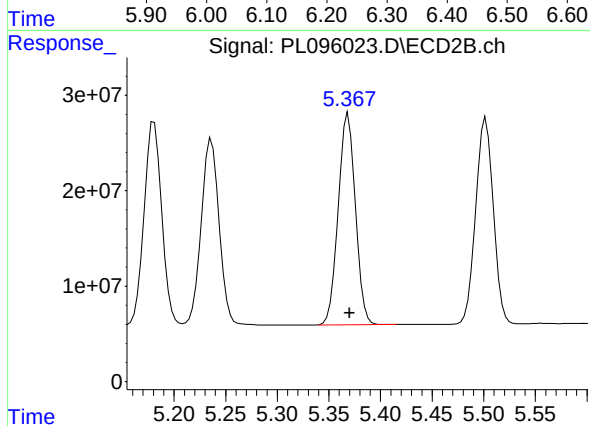
#11 alpha-Chlordane

R.T.: 5.181 min
Delta R.T.: -0.001 min
Response: 256842830
Conc: 45.07 ng/ml



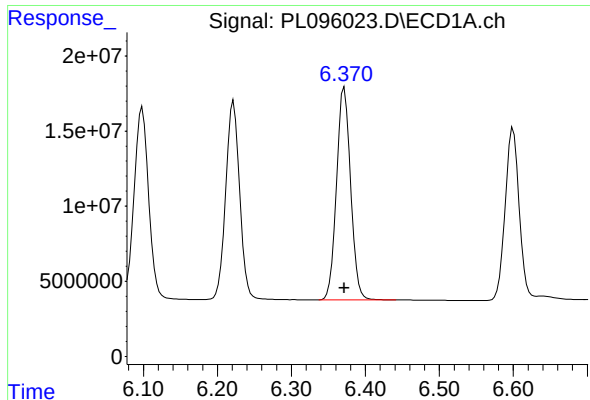
#12 4,4'-DDE

R.T.: 6.222 min
Delta R.T.: 0.001 min
Response: 172544268
Conc: 46.38 ng/ml



#12 4,4'-DDE

R.T.: 5.369 min
Delta R.T.: -0.001 min
Response: 256481834
Conc: 47.34 ng/ml



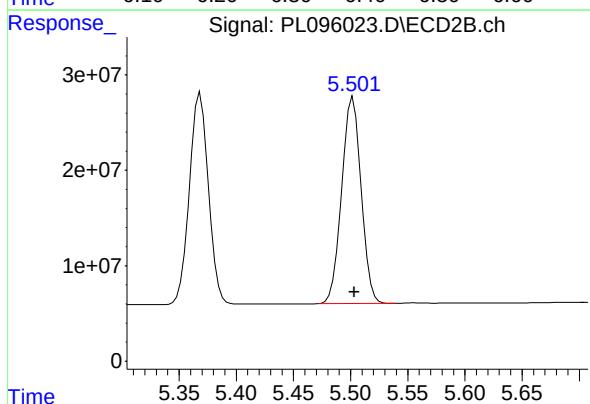
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: 0.000 min
Response: 186884181
Conc: 46.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

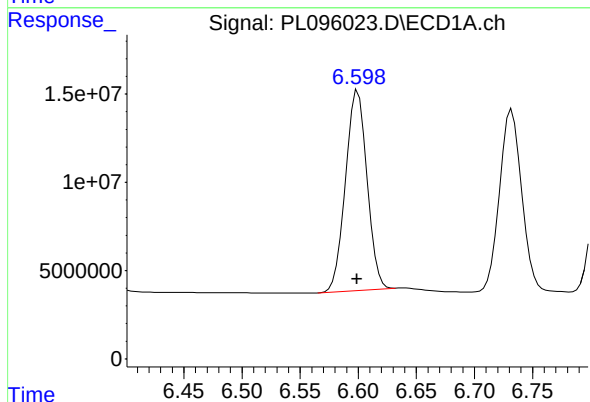
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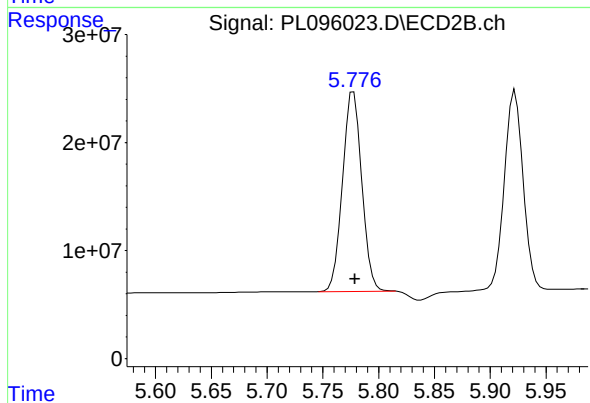
#13 Dieldrin

R.T.: 5.502 min
Delta R.T.: -0.001 min
Response: 257116929
Conc: 47.38 ng/ml



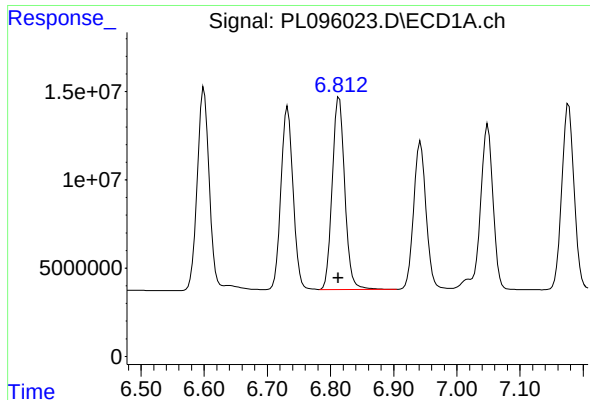
#14 Endrin

R.T.: 6.600 min
Delta R.T.: 0.001 min
Response: 145733856
Conc: 46.01 ng/ml



#14 Endrin

R.T.: 5.776 min
Delta R.T.: -0.003 min
Response: 222203832
Conc: 46.79 ng/ml m



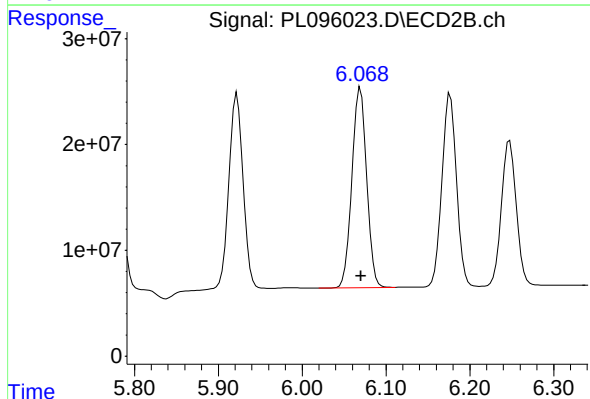
#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: 0.002 min
Response: 150408898
Conc: 43.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

Manual Integrations
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#15 Endosulfan II

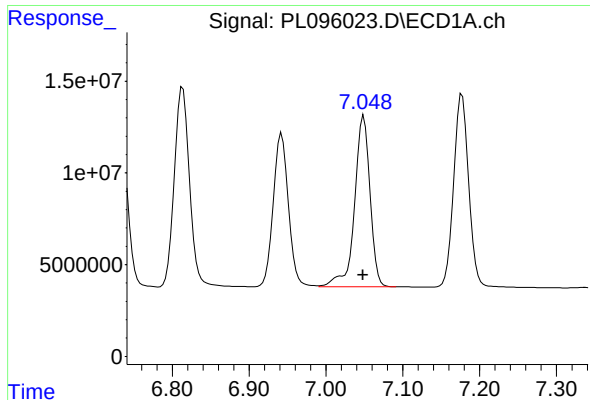
R.T.: 6.070 min
Delta R.T.: 0.000 min
Response: 230299608
Conc: 46.76 ng/ml

#16 4,4'-DDD

R.T.: 6.732 min
Delta R.T.: 0.000 min
Response: 137857958
Conc: 45.85 ng/ml

#16 4,4'-DDD

R.T.: 5.922 min
Delta R.T.: -0.001 min
Response: 217841496
Conc: 47.60 ng/ml



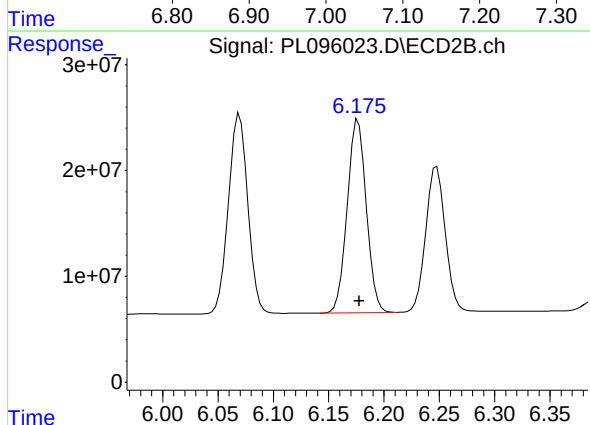
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: 0.001 min
Response: 130517472
Conc: 45.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

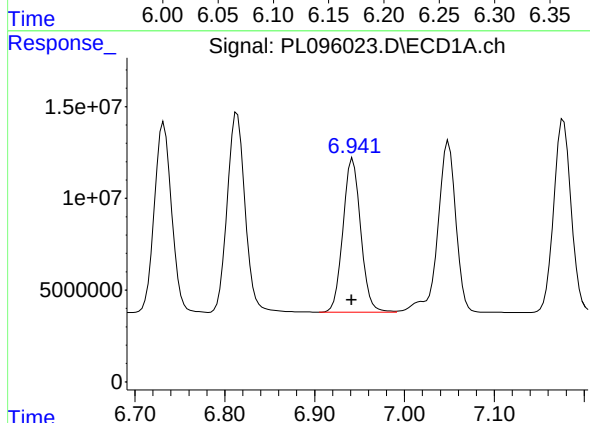
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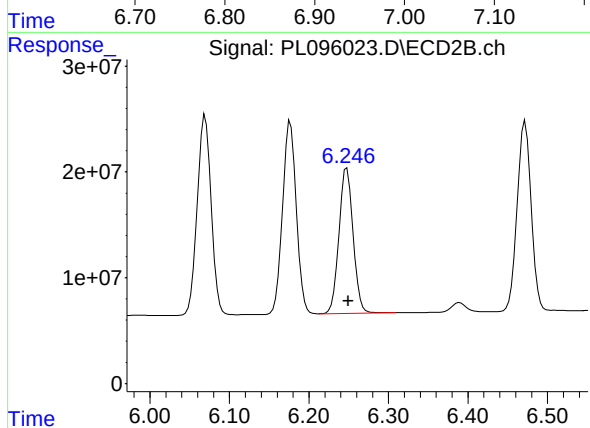
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.001 min
Response: 219882764
Conc: 46.65 ng/ml



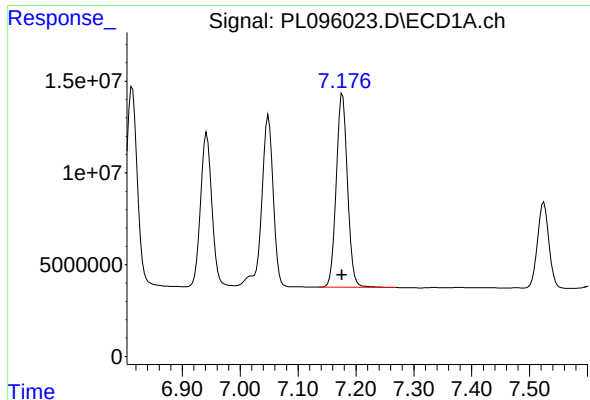
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: 0.001 min
Response: 114933320
Conc: 46.37 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 169623540
Conc: 46.22 ng/ml



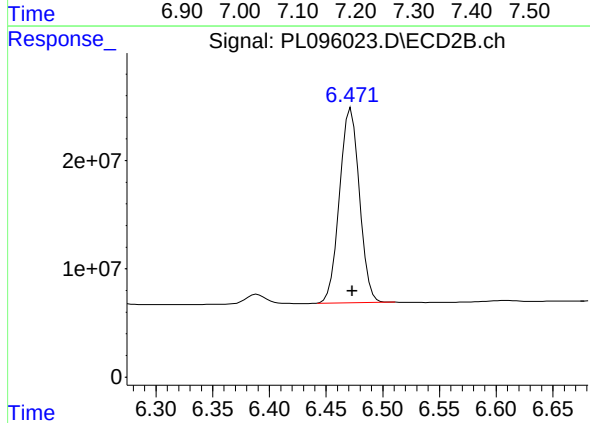
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 143430648
Conc: 46.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

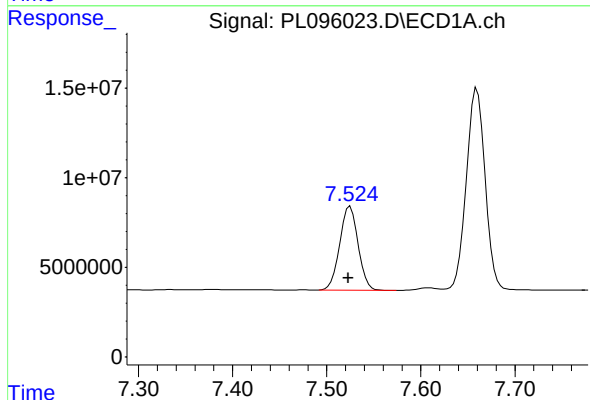
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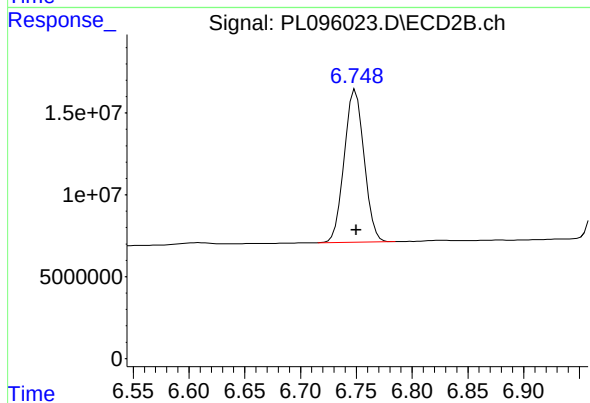
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.001 min
Response: 218970321
Conc: 46.69 ng/ml



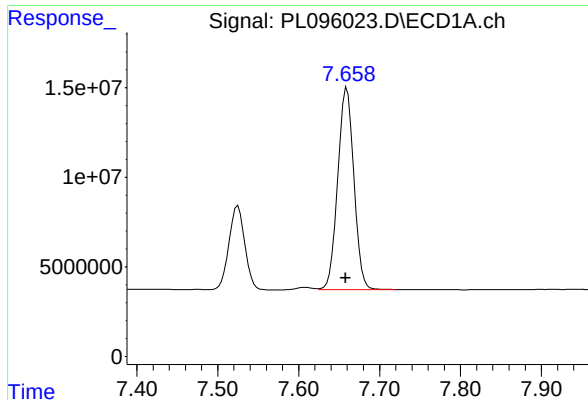
#20 Methoxychlor

R.T.: 7.525 min
Delta R.T.: 0.002 min
Response: 63493549
Conc: 44.34 ng/ml



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 115552655
Conc: 44.90 ng/ml



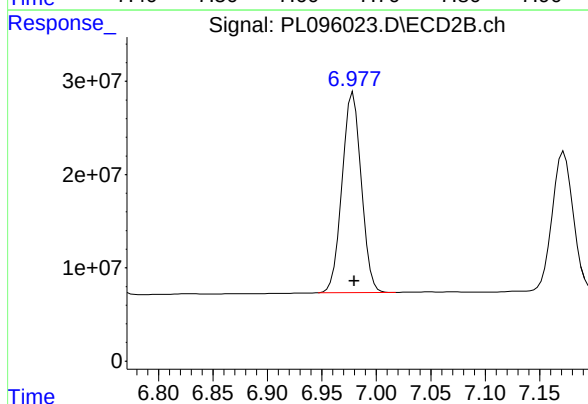
#21 Endrin ketone

R.T.: 7.660 min
Delta R.T.: 0.002 min
Response: 156547149
Conc: 46.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

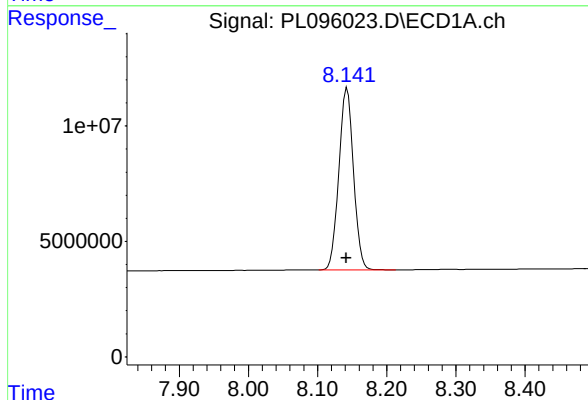
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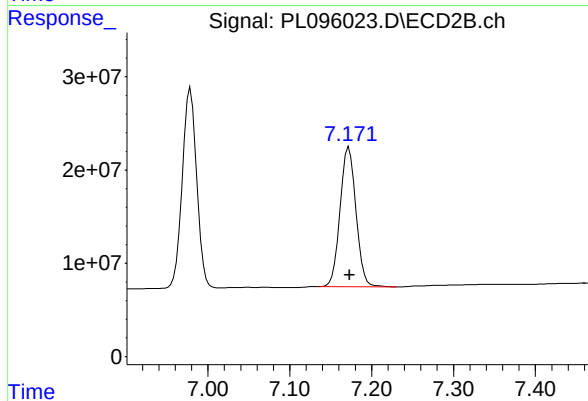
#21 Endrin ketone

R.T.: 6.979 min
Delta R.T.: 0.000 min
Response: 262280129
Conc: 47.40 ng/ml



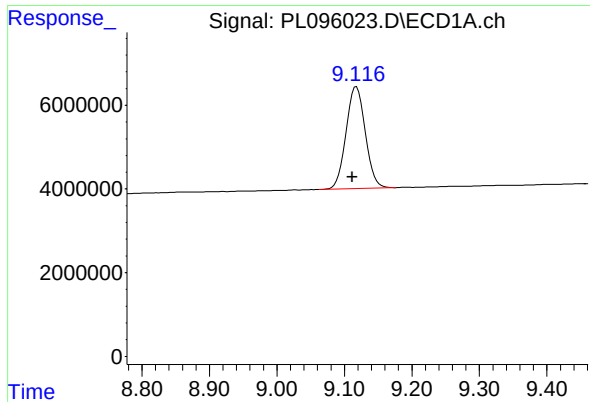
#22 Mirex

R.T.: 8.143 min
Delta R.T.: 0.002 min
Response: 115731936
Conc: 45.87 ng/ml



#22 Mirex

R.T.: 7.172 min
Delta R.T.: 0.000 min
Response: 202845411
Conc: 46.50 ng/ml



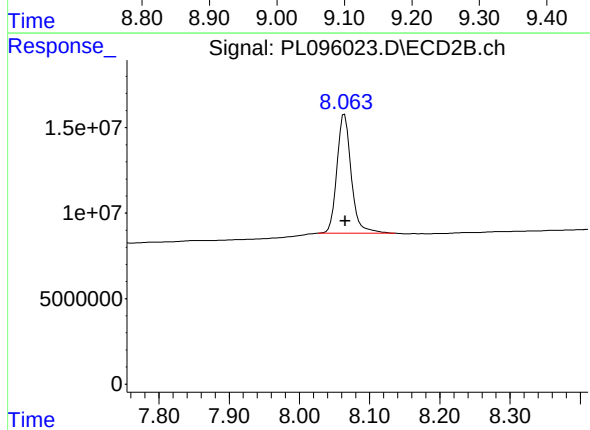
#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: 0.006 min
Response: 48625606
Conc: 19.89 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168436BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/13/2025
Supervised By :mohammad ahmed 06/16/2025



#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: -0.001 min
Response: 98489121
Conc: 20.72 ng/ml