

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061825\
 Data File : PL096106.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Jun 2025 16:23
 Operator : AR\AJ
 Sample : PB168452BS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PB168452BS

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/19/2025
 Supervised By : mohammad ahmed 06/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 19 01:29:32 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 17 17:11:36 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	75847537	96813992	20.844	20.412
2) SA Decachlor...	9.115	8.064	55961522	112.0E6	19.542	18.584
Target Compounds						
2) A alpha-BHC	4.022	3.391	274.2E6	349.6E6	48.403	48.590
3) MA gamma-BHC...	4.354	3.724	254.5E6	328.7E6	48.105	47.964
4) MA Heptachlor	4.951	4.075	222.2E6	319.6E6	45.715	45.826
5) MB Aldrin	5.294	4.360	241.9E6	312.8E6	47.439	47.539
6) B beta-BHC	4.541	4.019	108.2E6	137.5E6	47.976	45.380
7) B delta-BHC	4.789	4.255	250.2E6	331.0E6	48.138	48.168
8) B Heptachlo...	5.713	4.863	236.6E6	289.8E6	52.114m	46.991
9) A Endosulfan I	6.098	5.235	203.7E6	243.2E6	47.423	37.925
10) B gamma-Chl...	5.968	5.114	215.3E6	312.0E6	46.225m	46.909m
11) B alpha-Chl...	6.050	5.179	220.7E6	317.0E6	47.679	46.501m
12) B 4,4'-DDE	6.221	5.367	192.1E6	304.2E6	44.355	46.377m
13) MA Dieldrin	6.372	5.501	211.9E6	324.6E6	45.835	49.471
14) MA Endrin	6.599	5.778	165.2E6	310.6E6	43.460	52.327
15) B Endosulfa...	6.813	6.069	177.2E6	279.5E6	44.740	47.010
16) A 4,4'-DDD	6.733	5.921	175.1E6	270.4E6	50.196	49.152m
17) MA 4,4'-DDT	7.049	6.177	125.6E6	235.4E6	35.976	39.225
18) B Endrin al...	6.942	6.248	134.4E6	207.0E6	47.338	46.143
19) B Endosulfa...	7.177	6.472	162.2E6	257.1E6	44.741	45.228
20) A Methoxychlor	7.522	6.749	78542044	123.4E6	44.112m	37.623
21) B Endrin ke...	7.660	6.977	171.2E6	382.5E6	43.951	57.637m#
22) Mirex	8.143	7.171	134.7E6	224.3E6	45.478	40.163

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061825\
Data File : PL096106.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 18 Jun 2025 16:23
Operator : AR\AJ
Sample : PB168452BS
Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :

ECD_L

ClientSampleId :

PB168452BS

Manual Integrations

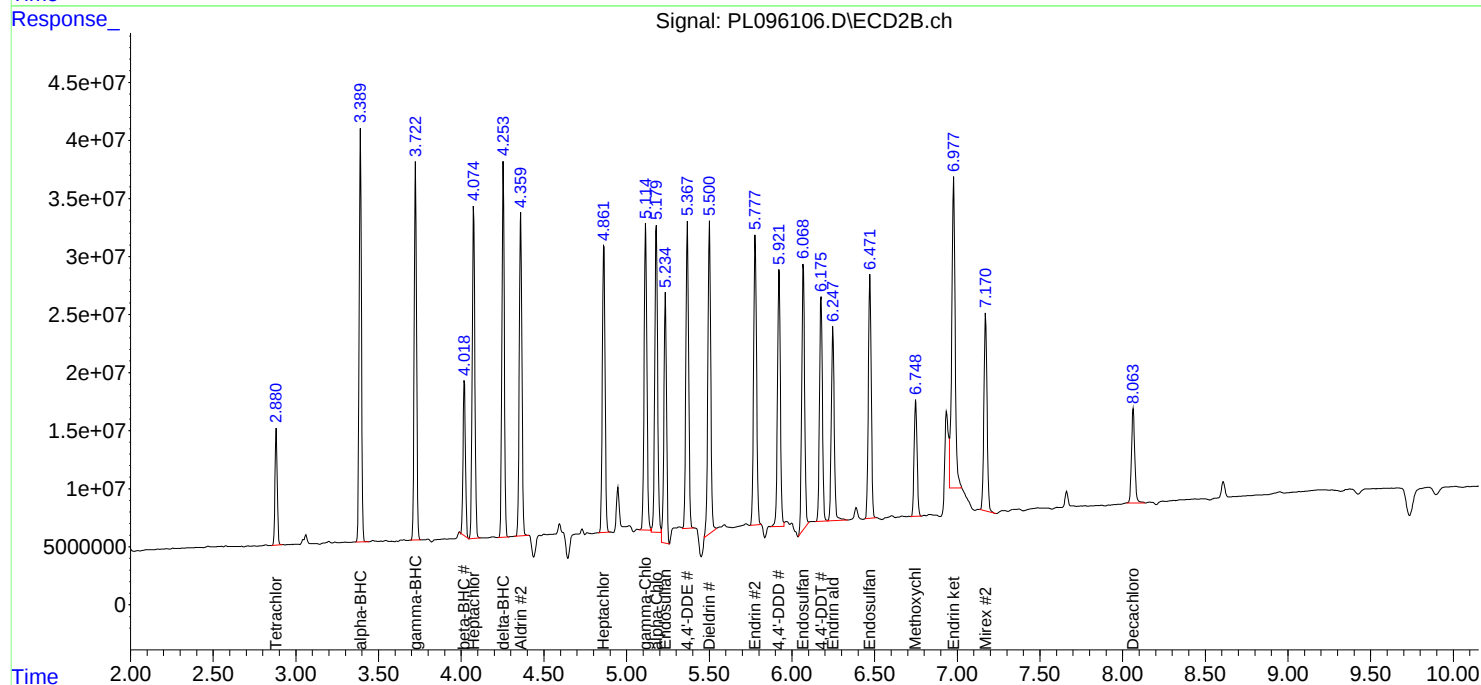
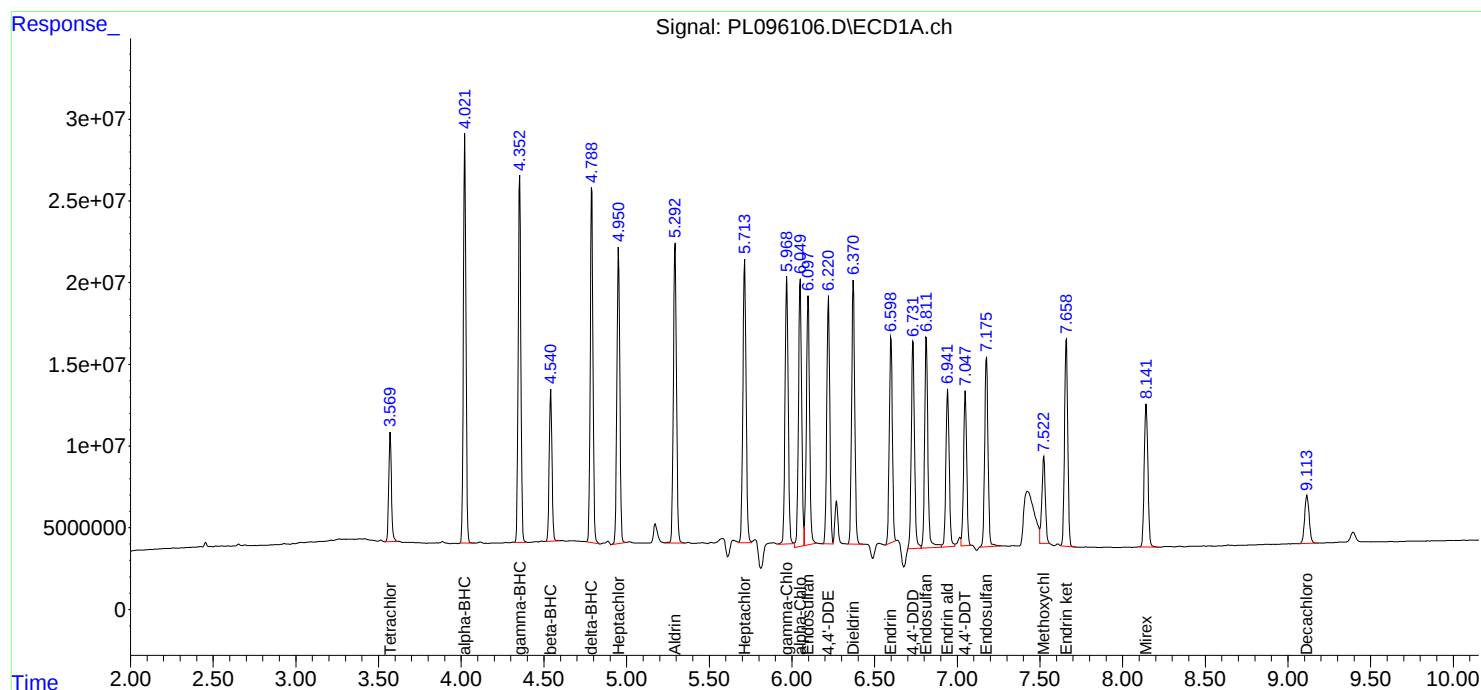
APPROVED

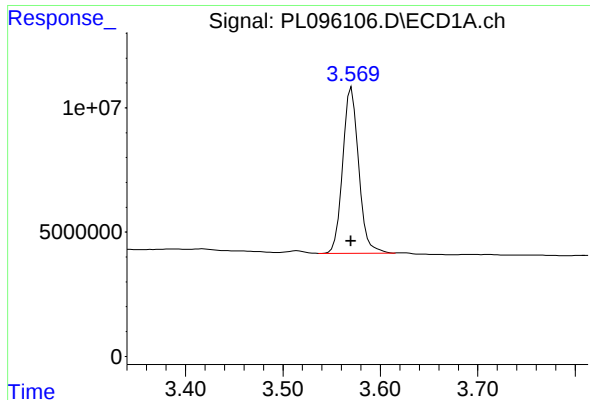
Reviewed By :Abdul Mirza 06/19/2025

Supervised By :mohammad ahmed 06/23/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 19 01:29:32 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061725.M
Quant Title : GC Extractables
QLast Update : Tue Jun 17 17:11:36 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





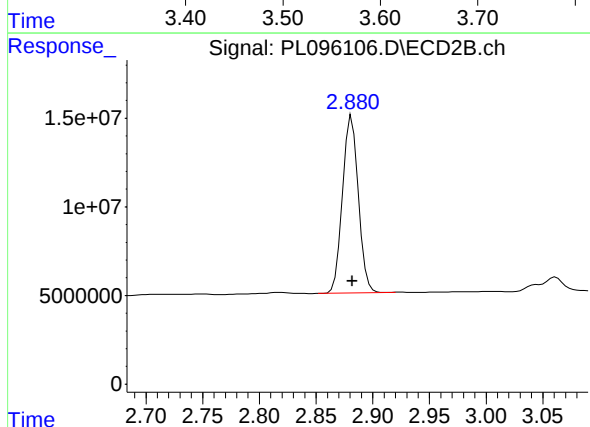
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: 0.000 min
Response: 75847537
Conc: 20.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

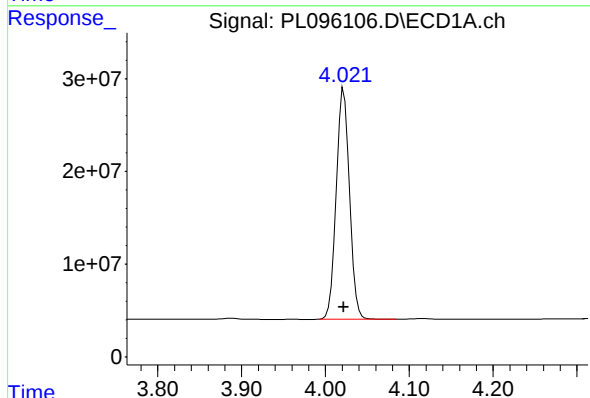
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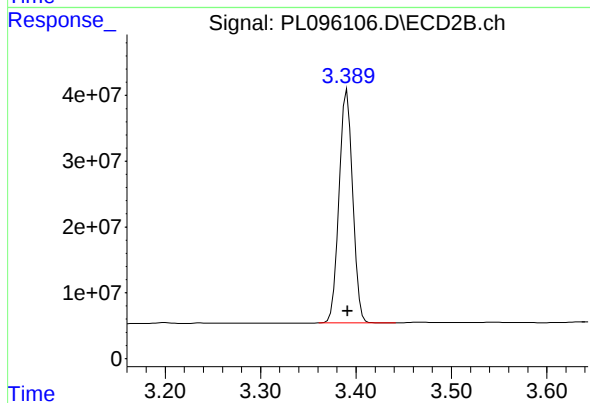
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 96813992
Conc: 20.41 ng/ml



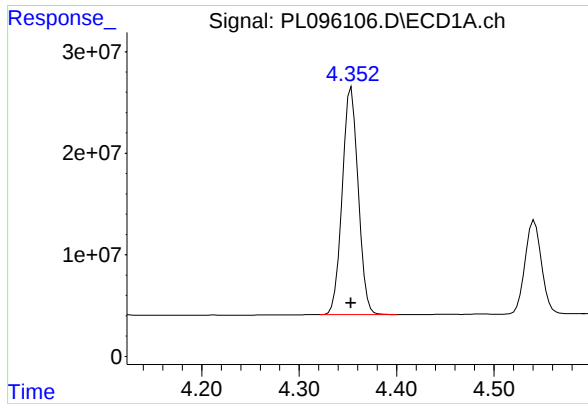
#2 alpha-BHC

R.T.: 4.022 min
Delta R.T.: 0.000 min
Response: 274156467
Conc: 48.40 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 349611353
Conc: 48.59 ng/ml



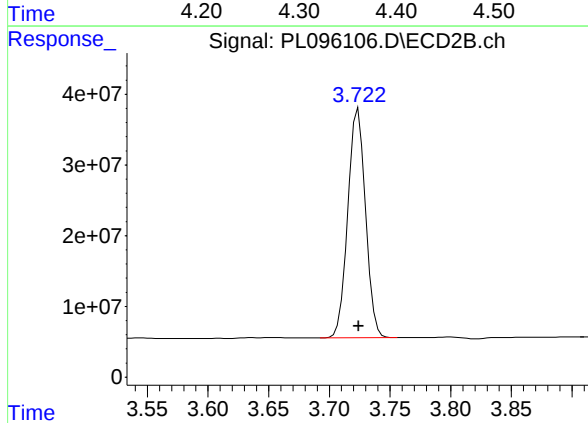
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: 0.000 min
Response: 254544548
Conc: 48.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

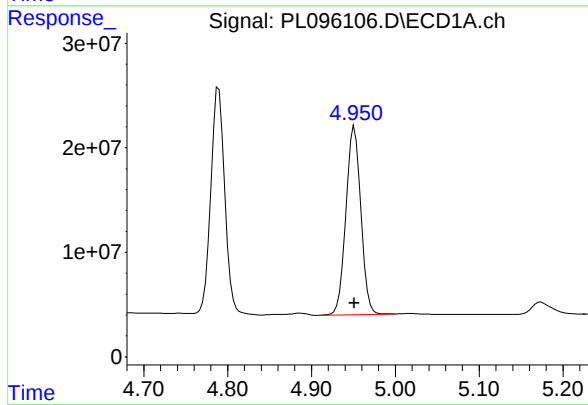
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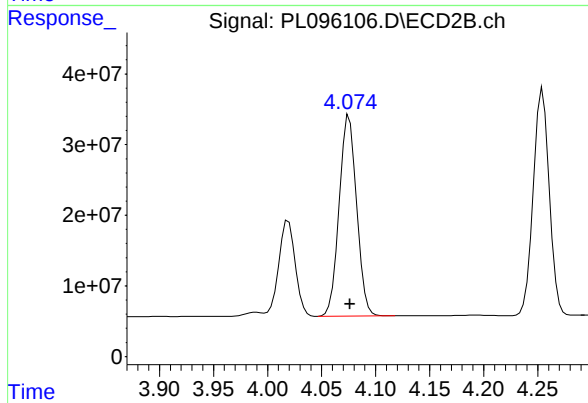
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 328652080
Conc: 47.96 ng/ml



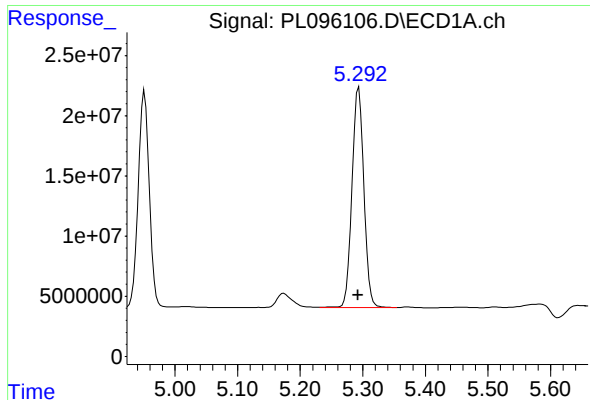
#4 Heptachlor

R.T.: 4.951 min
Delta R.T.: 0.000 min
Response: 222186270
Conc: 45.71 ng/ml



#4 Heptachlor

R.T.: 4.075 min
Delta R.T.: 0.000 min
Response: 319595417
Conc: 45.83 ng/ml



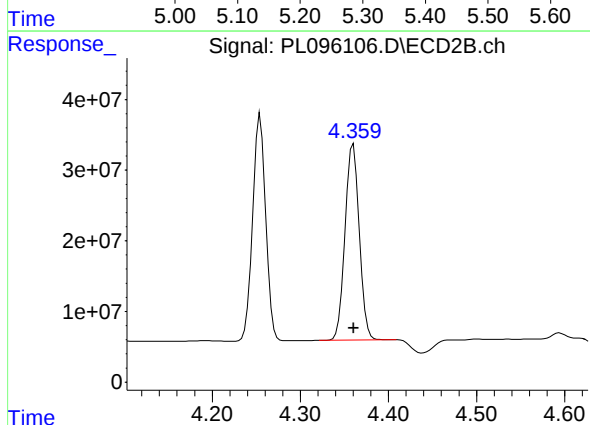
#5 Aldrin

R.T.: 5.294 min
Delta R.T.: 0.000 min
Response: 241853697
Conc: 47.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

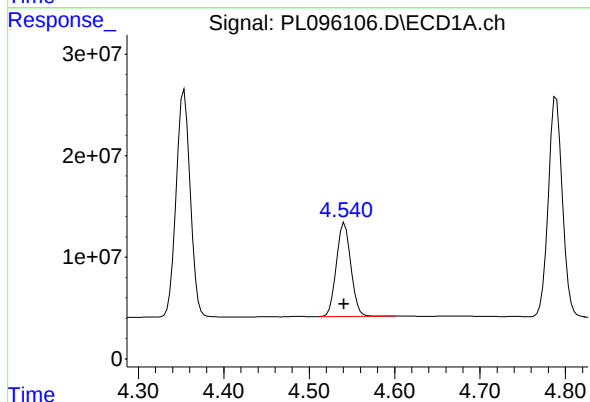
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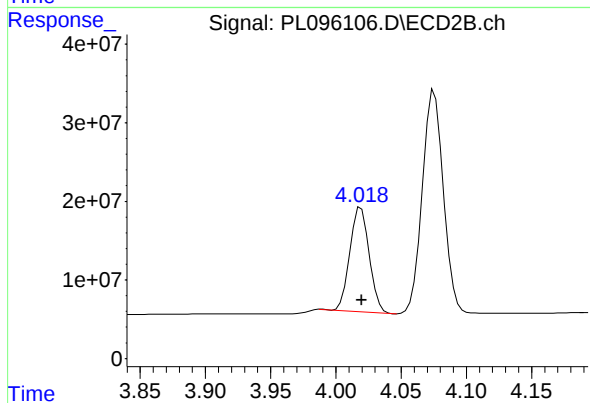
#5 Aldrin

R.T.: 4.360 min
Delta R.T.: 0.000 min
Response: 312764439
Conc: 47.54 ng/ml



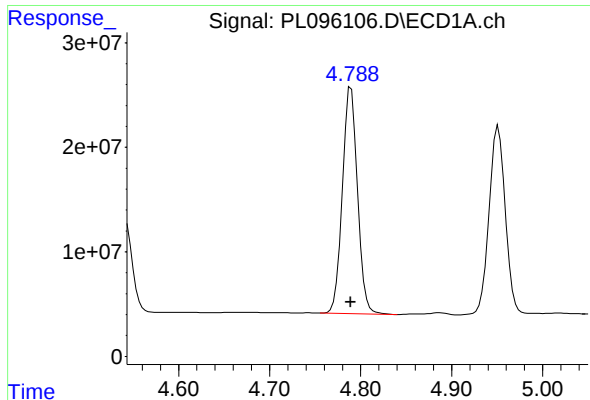
#6 beta-BHC

R.T.: 4.541 min
Delta R.T.: 0.000 min
Response: 108172971
Conc: 47.98 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 137485964
Conc: 45.38 ng/ml



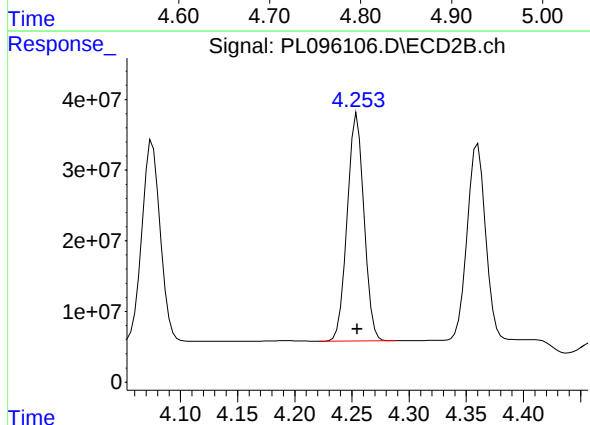
#7 delta-BHC

R.T.: 4.789 min
Delta R.T.: 0.000 min
Response: 250247594
Conc: 48.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

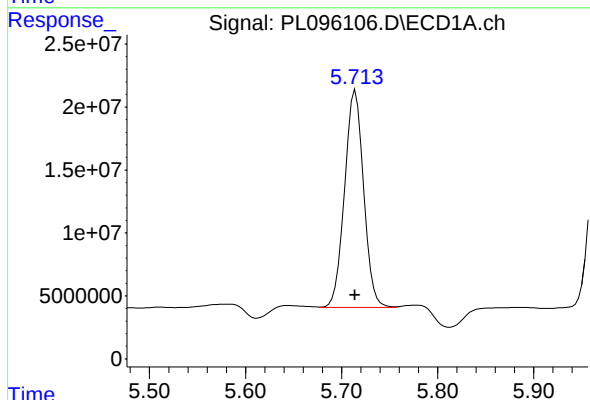
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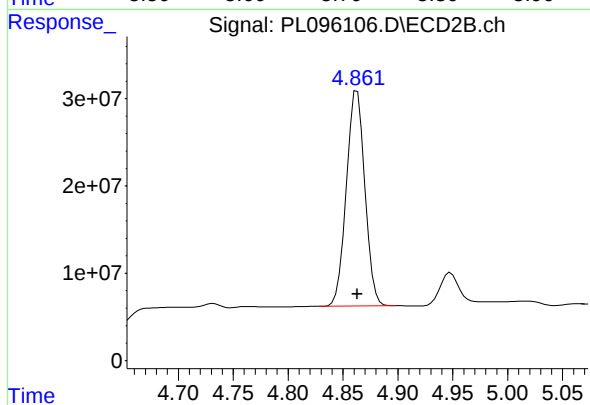
#7 delta-BHC

R.T.: 4.255 min
Delta R.T.: 0.000 min
Response: 331017245
Conc: 48.17 ng/ml



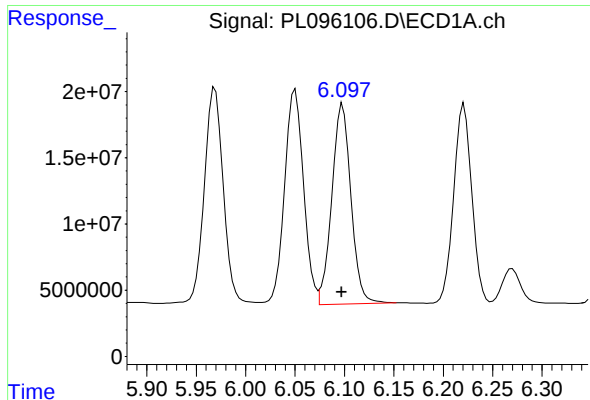
#8 Heptachlor epoxide

R.T.: 5.713 min
Delta R.T.: -0.001 min
Response: 236609813
Conc: 52.11 ng/ml m



#8 Heptachlor epoxide

R.T.: 4.863 min
Delta R.T.: 0.000 min
Response: 289766622
Conc: 46.99 ng/ml



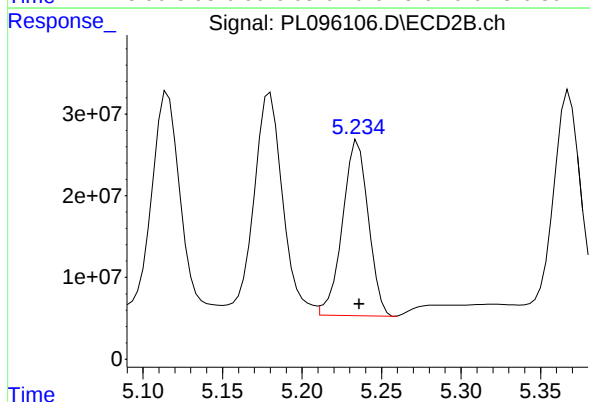
#9 Endosulfan I

R.T.: 6.098 min
Delta R.T.: 0.000 min
Response: 203684527
Conc: 47.42 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

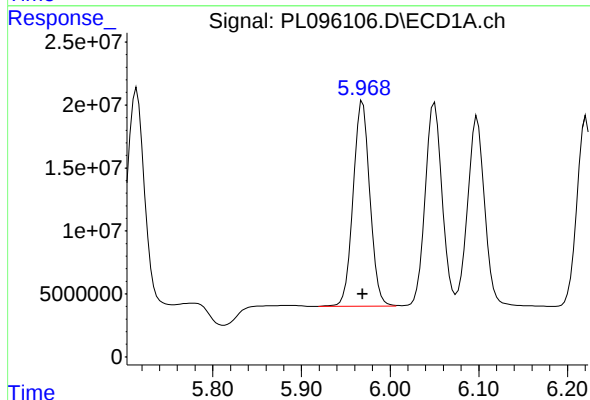
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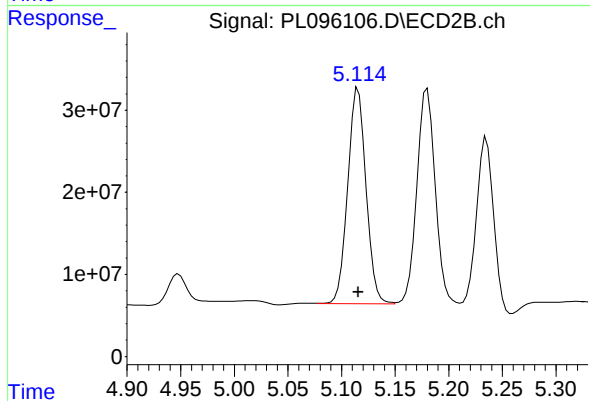
#9 Endosulfan I

R.T.: 5.235 min
Delta R.T.: 0.000 min
Response: 243189471
Conc: 37.93 ng/ml



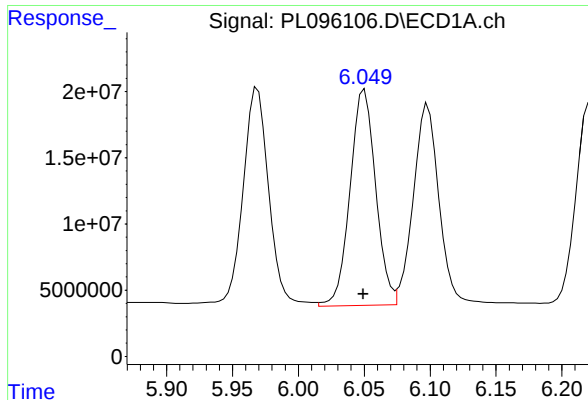
#10 gamma-Chlordane

R.T.: 5.968 min
Delta R.T.: -0.001 min
Response: 215285092
Conc: 46.23 ng/ml m



#10 gamma-Chlordane

R.T.: 5.114 min
Delta R.T.: -0.002 min
Response: 312015989
Conc: 46.91 ng/ml m



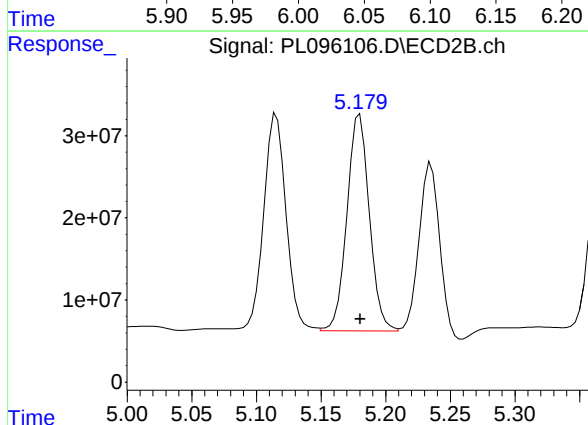
#11 alpha-Chlordane

R.T.: 6.050 min
Delta R.T.: 0.000 min
Response: 220717846
Conc: 47.68 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

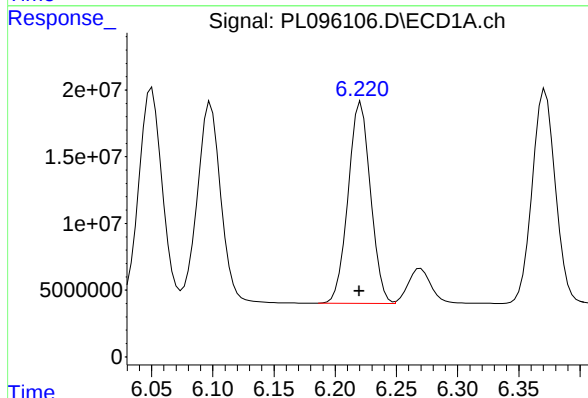
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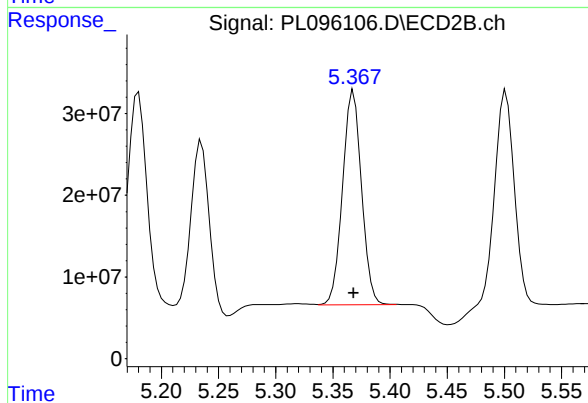
#11 alpha-Chlordane

R.T.: 5.179 min
Delta R.T.: -0.002 min
Response: 317016806
Conc: 46.50 ng/ml m



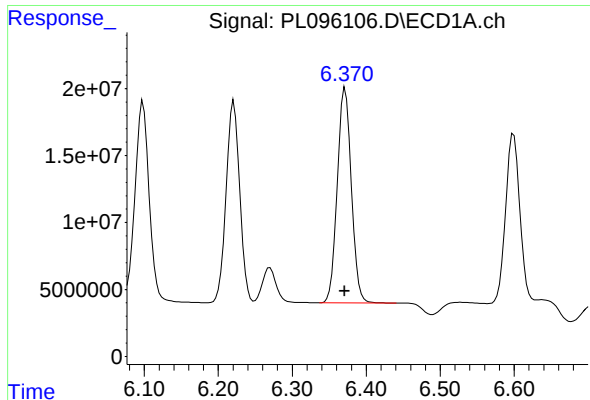
#12 4,4'-DDE

R.T.: 6.221 min
Delta R.T.: 0.001 min
Response: 192083613
Conc: 44.35 ng/ml



#12 4,4'-DDE

R.T.: 5.367 min
Delta R.T.: -0.001 min
Response: 304220376
Conc: 46.38 ng/ml m



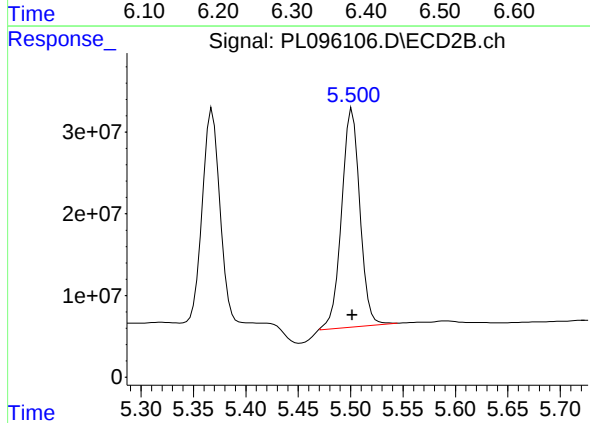
#13 Dieldrin

R.T.: 6.372 min
Delta R.T.: 0.000 min
Response: 211863977
Conc: 45.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

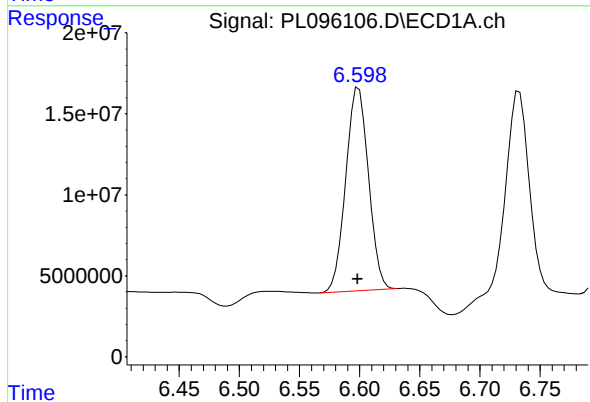
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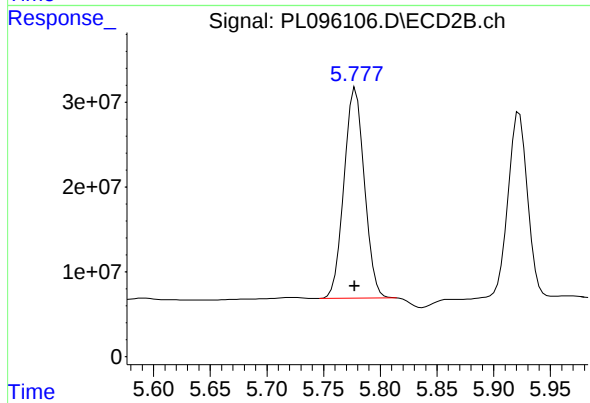
#13 Dieldrin

R.T.: 5.501 min
Delta R.T.: 0.000 min
Response: 324580854
Conc: 49.47 ng/ml



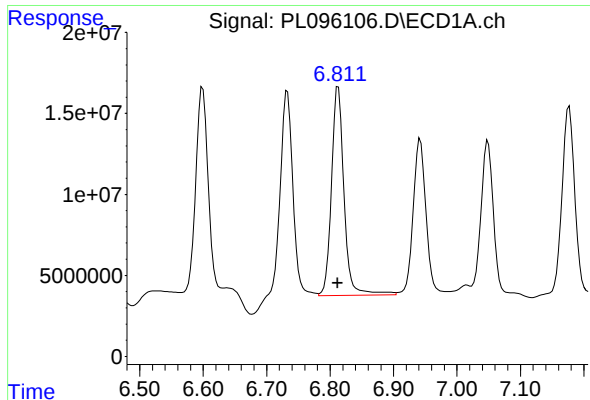
#14 Endrin

R.T.: 6.599 min
Delta R.T.: 0.000 min
Response: 165193413
Conc: 43.46 ng/ml



#14 Endrin

R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 310571547
Conc: 52.33 ng/ml



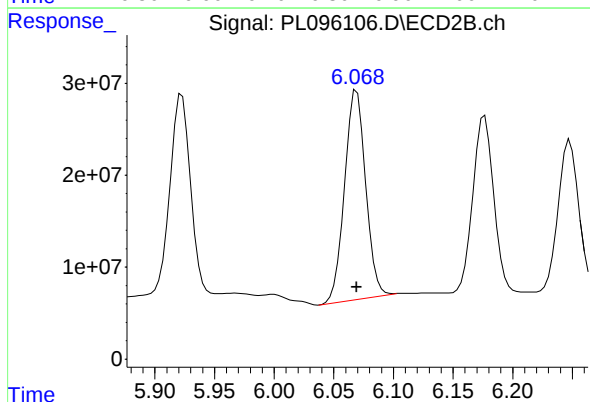
#15 Endosulfan II

R.T.: 6.813 min
Delta R.T.: 0.001 min
Response: 177206482
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

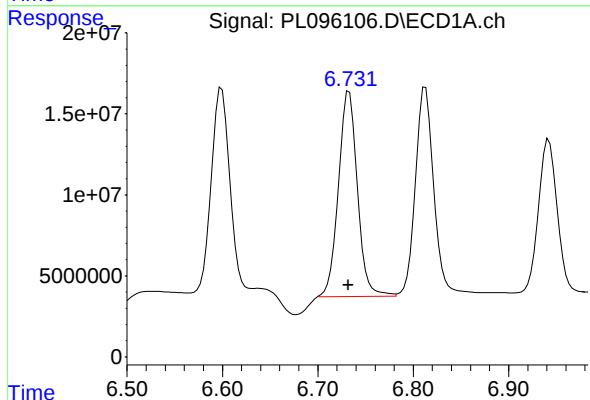
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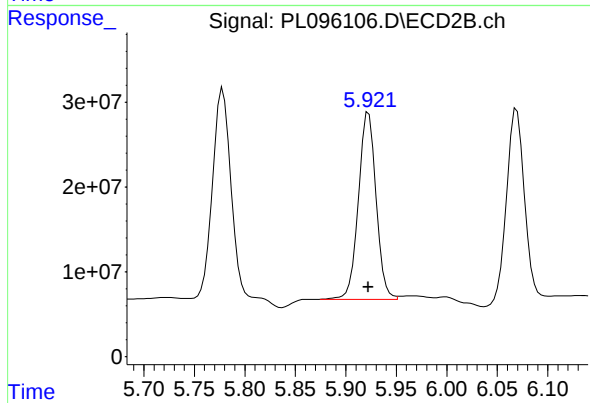
#15 Endosulfan II

R.T.: 6.069 min
Delta R.T.: 0.000 min
Response: 279504378
Conc: 47.01 ng/ml



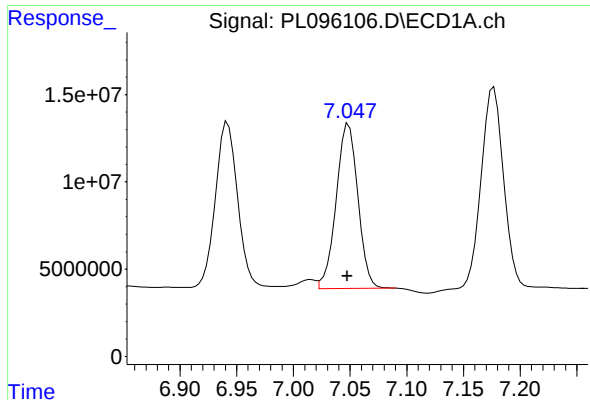
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: 0.001 min
Response: 175091450
Conc: 50.20 ng/ml



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: -0.001 min
Response: 270384475
Conc: 49.15 ng/ml m



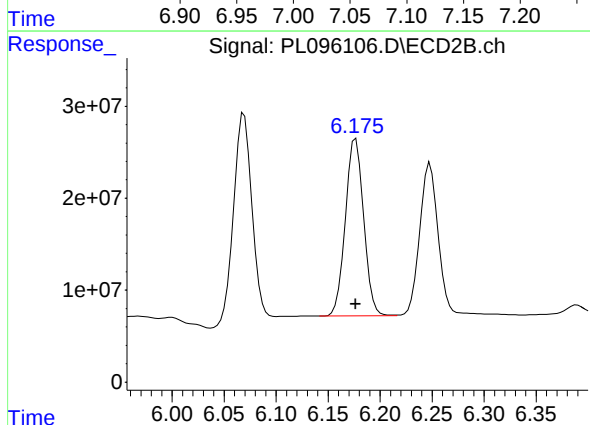
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: 0.001 min
Response: 125636102
Conc: 35.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

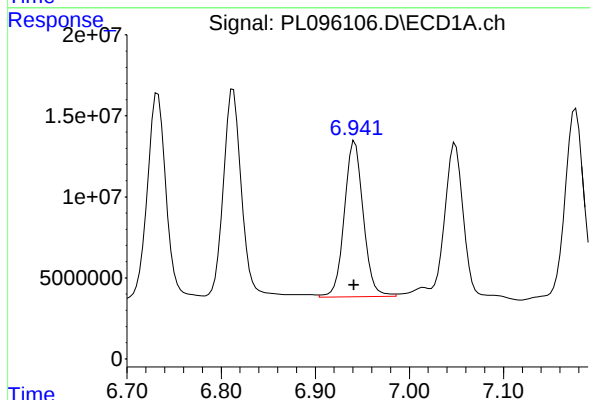
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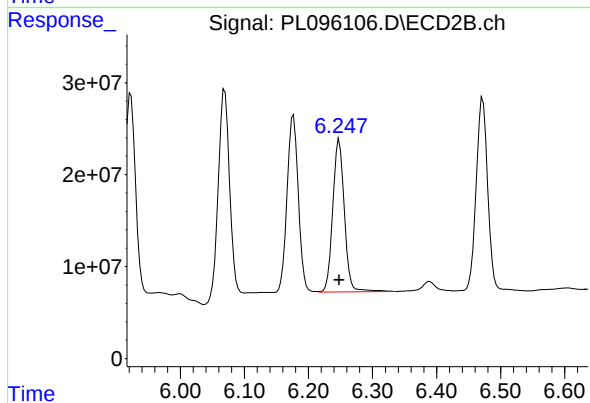
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: 0.000 min
Response: 235350266
Conc: 39.22 ng/ml



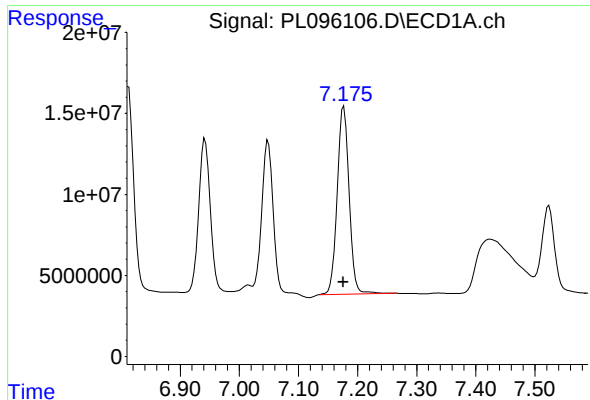
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: 0.000 min
Response: 134445986
Conc: 47.34 ng/ml



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: 0.000 min
Response: 207001892
Conc: 46.14 ng/ml



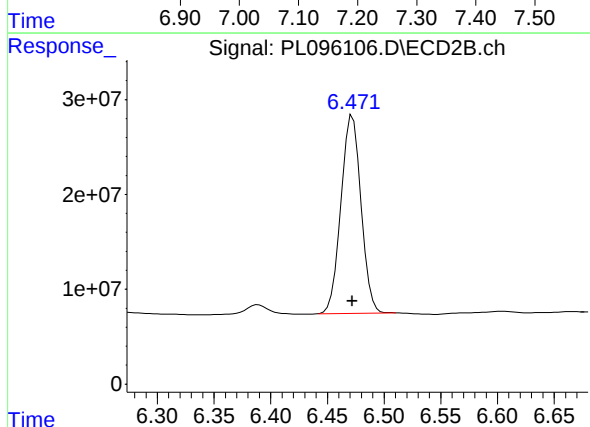
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: 0.000 min
Response: 162244979
Conc: 44.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

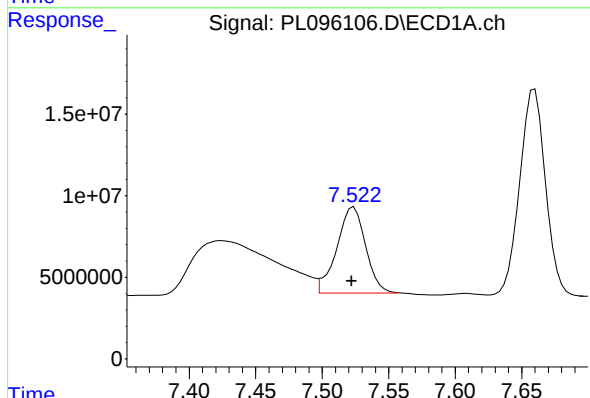
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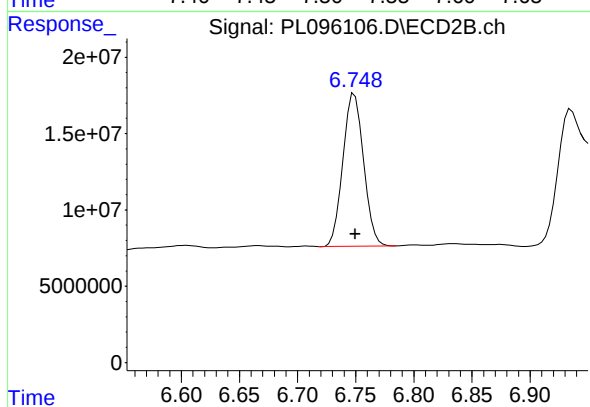
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: 0.000 min
Response: 257131023
Conc: 45.23 ng/ml



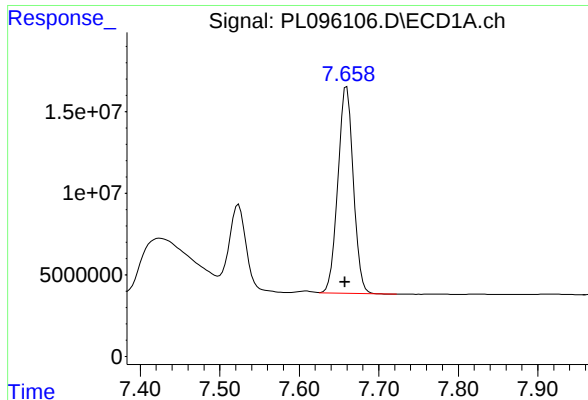
#20 Methoxychlor

R.T.: 7.522 min
Delta R.T.: 0.000 min
Response: 78542044
Conc: 44.11 ng/ml m



#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 123422049
Conc: 37.62 ng/ml



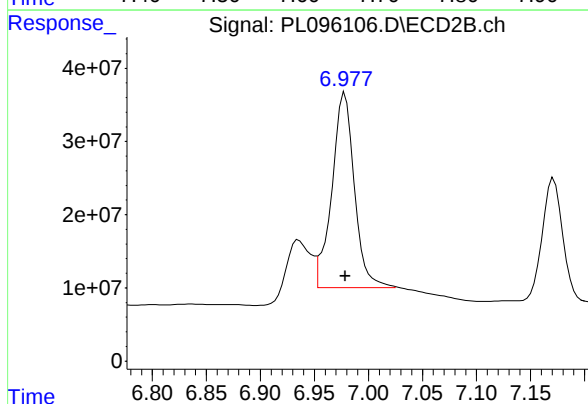
#21 Endrin ketone

R.T.: 7.660 min
Delta R.T.: 0.002 min
Response: 171160715
Conc: 43.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

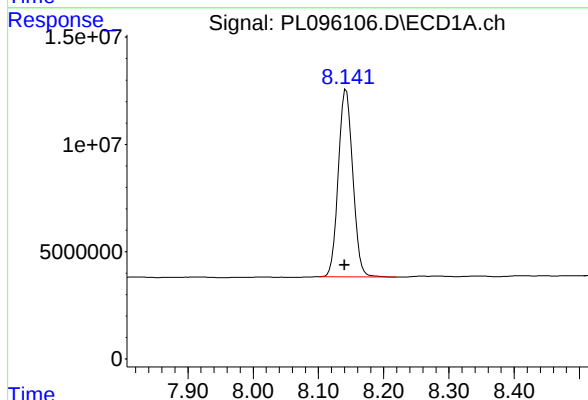
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
Supervised By :mohammad ahmed 06/23/2025



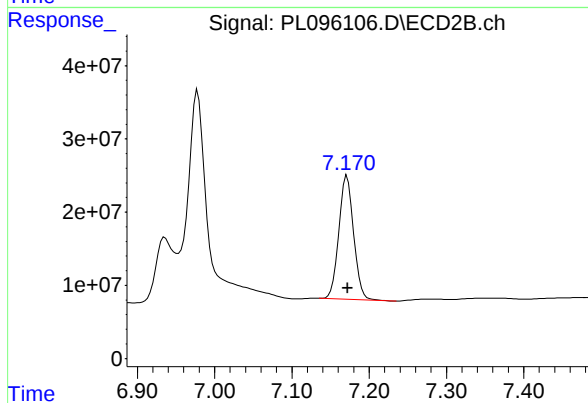
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 382487573
Conc: 57.64 ng/ml m



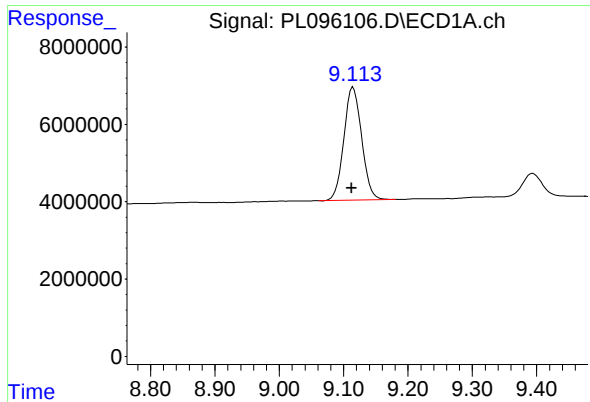
#22 Mirex

R.T.: 8.143 min
Delta R.T.: 0.002 min
Response: 134739945
Conc: 45.48 ng/ml



#22 Mirex

R.T.: 7.171 min
Delta R.T.: 0.000 min
Response: 224274562
Conc: 40.16 ng/ml



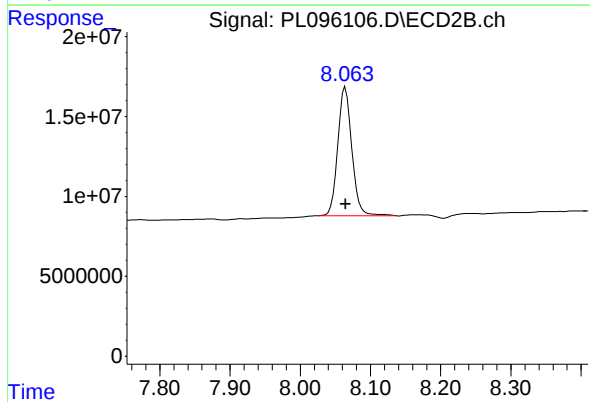
#28 Decachlorobiphenyl

R.T.: 9.115 min
Delta R.T.: 0.002 min
Response: 55961522
Conc: 19.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PB168452BS

Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/19/2025
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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 112015359
Conc: 18.58 ng/ml