

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060225\
 Data File : PL095869.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 02 Jun 2025 15:44
 Operator : AR\AJ
 Sample : Q2160-01MSD
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 TP04-MHG-WCMSD

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/03/2025
 Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 02 21:53:04 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
 Quant Title : GC Extractables
 QLast Update : Thu May 22 06:29:30 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...	3.572	2.886	46802841	56215810	14.833m	14.363
28) SA Decachlor...	9.101	8.061	33283313	57679371	14.125	13.185
Target Compounds						
2) A alpha-BHC	4.025	3.395	223.3E6	273.3E6	46.056	46.667
3) MA gamma-BHC...	4.356	3.729	206.7E6	259.4E6	46.220	46.316
4) MA Heptachlor	4.954	4.082	172.8E6	255.6E6	45.641	45.566
5) MB Aldrin	5.296	4.366	200.9E6	246.9E6	46.953	46.532
6) B beta-BHC	4.544	4.025	89557480	114.0E6	45.429	46.013
7) B delta-BHC	4.792	4.260	204.9E6	260.8E6	46.209	46.186
8) B Heptachlo...	5.718	4.869	180.4E6	229.6E6	47.263	46.498
9) A Endosulfan I	6.101	5.241	171.2E6	220.3E6	46.705	46.241
10) B gamma-Chl...	5.972	5.121	183.2E6	243.6E6	47.068	46.373
11) B alpha-Chl...	6.054	5.185	183.9E6	240.8E6	46.580	46.282
12) B 4,4'-DDE	6.224	5.372	171.0E6	242.9E6	46.633	45.305
13) MA Dieldrin	6.375	5.505	181.9E6	241.5E6	47.137	45.560
14) MA Endrin	6.602	5.779	148.1E6	219.8E6	45.904	45.079m
15) B Endosulfa...	6.814	6.071	150.0E6	218.1E6	43.531	45.898
16) A 4,4'-DDD	6.734	5.924	134.4E6	195.4E6	45.869	44.559
17) MA 4,4'-DDT	7.049	6.177	124.9E6	214.8E6	46.163	44.908
18) B Endrin al...	6.943	6.249	111.3E6	155.5E6	46.053	45.021
19) B Endosulfa...	7.177	6.472	136.0E6	198.6E6	45.544	44.179
20) A Methoxychlor	7.521	6.748	60963702	112.8E6	47.802	43.136
21) B Endrin ke...	7.659	6.977	140.9E6	230.7E6	44.487	44.595
22) Mirex	8.140	7.170	106.8E6	181.1E6	46.140	44.590m

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060225\
Data File : PL095869.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 02 Jun 2025 15:44
Operator : AR\AJ
Sample : Q2160-01MSD
Misc :
ALS Vial : 10 Sample Multiplier: 1

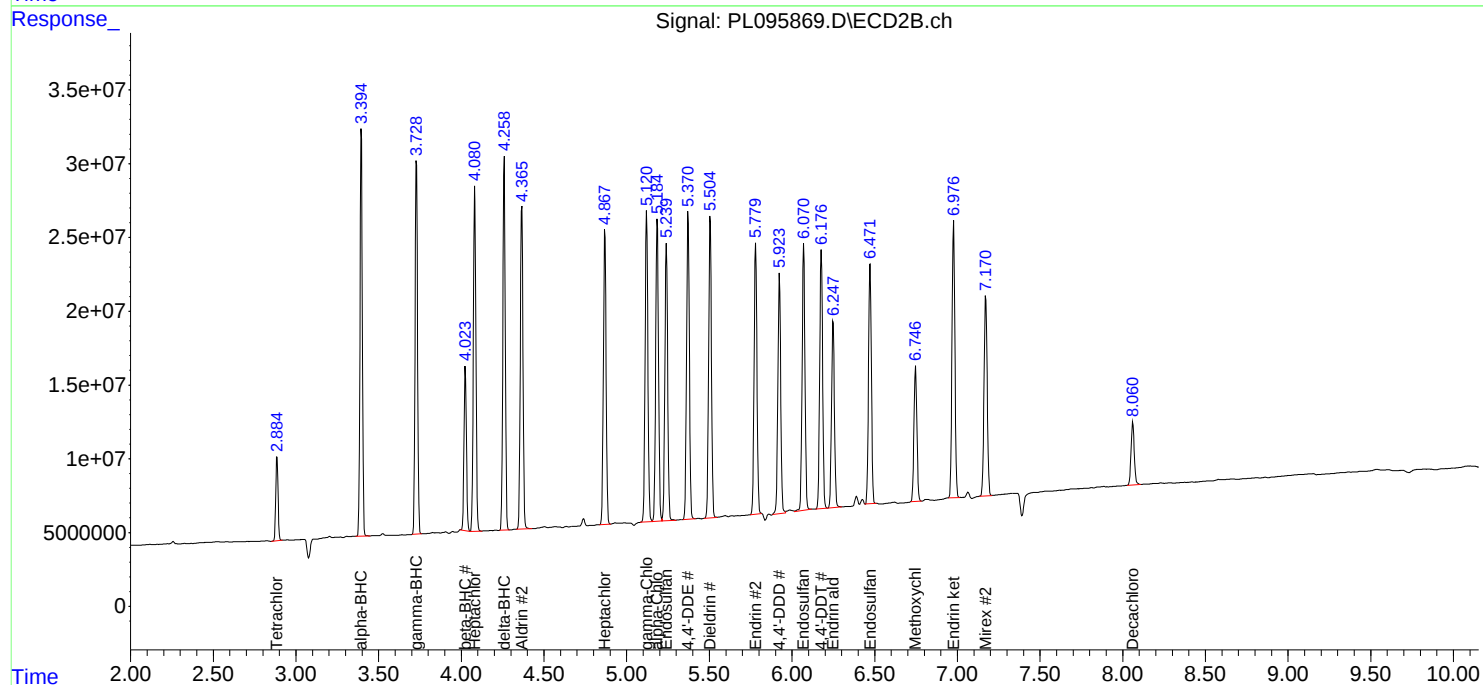
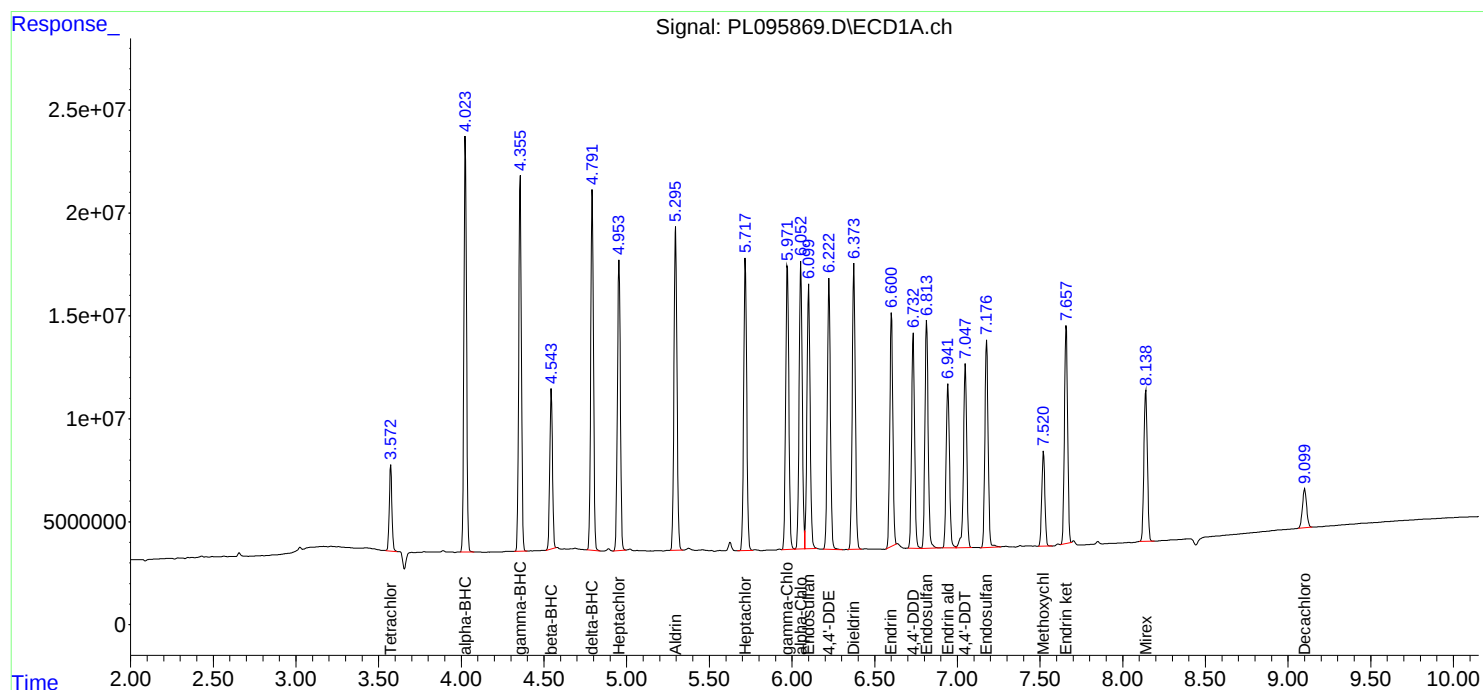
Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

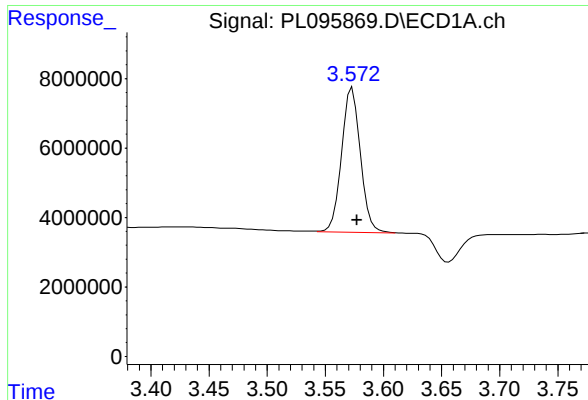
Manual Integrations
APPROVED

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Supervised By :mohammad ahmed 06/04/2025

Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
Quant Time: Jun 02 21:53:04 2025
Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30 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





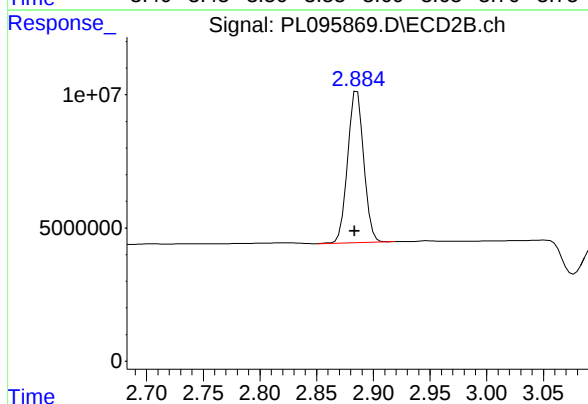
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: -0.005 min
Response: 46802841
Conc: 14.83 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

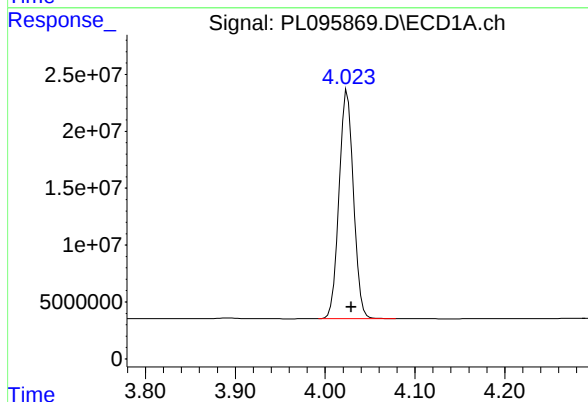
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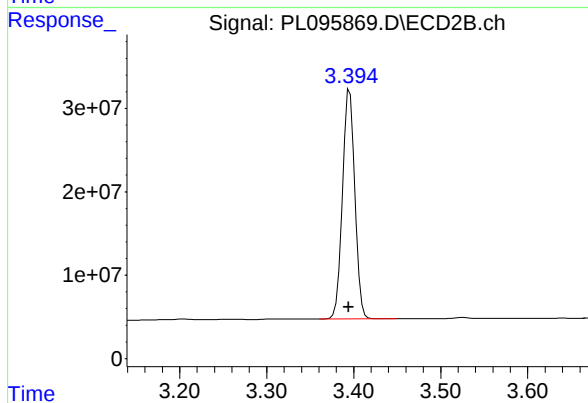
#1 Tetrachloro-m-xylene

R.T.: 2.886 min
Delta R.T.: 0.002 min
Response: 56215810
Conc: 14.36 ng/ml



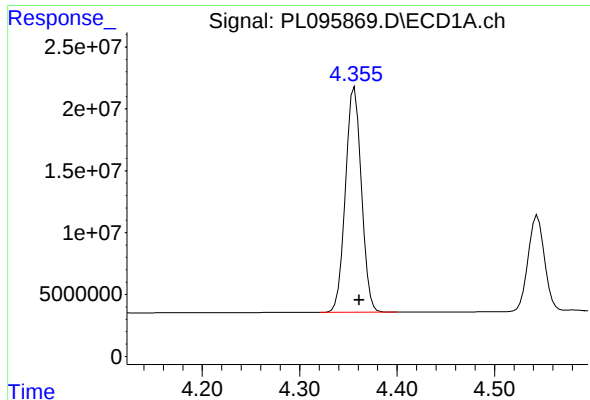
#2 alpha-BHC

R.T.: 4.025 min
Delta R.T.: -0.004 min
Response: 223274527
Conc: 46.06 ng/ml



#2 alpha-BHC

R.T.: 3.395 min
Delta R.T.: 0.001 min
Response: 273346067
Conc: 46.67 ng/ml



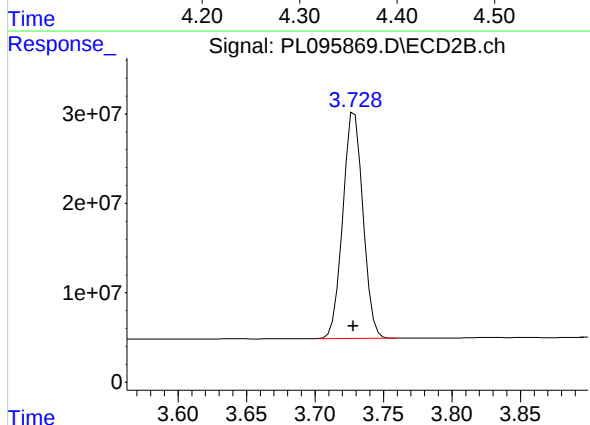
#3 gamma-BHC (Lindane)

R.T.: 4.356 min
Delta R.T.: -0.005 min
Response: 206690116
Conc: 46.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

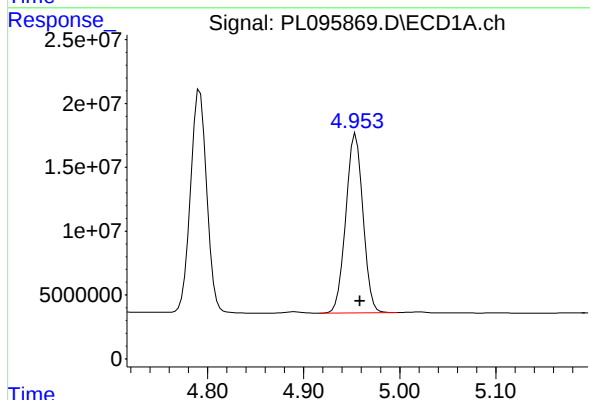
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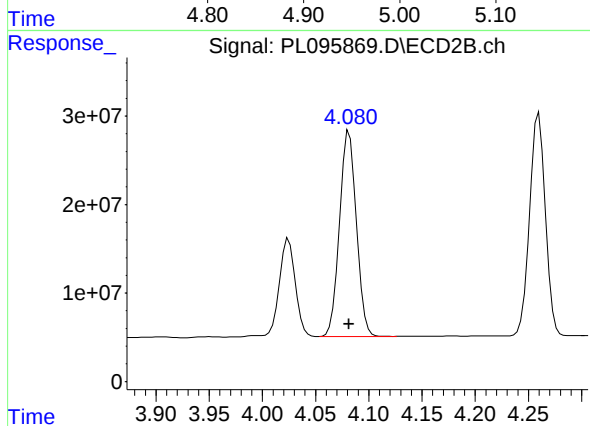
#3 gamma-BHC (Lindane)

R.T.: 3.729 min
Delta R.T.: 0.001 min
Response: 259425573
Conc: 46.32 ng/ml



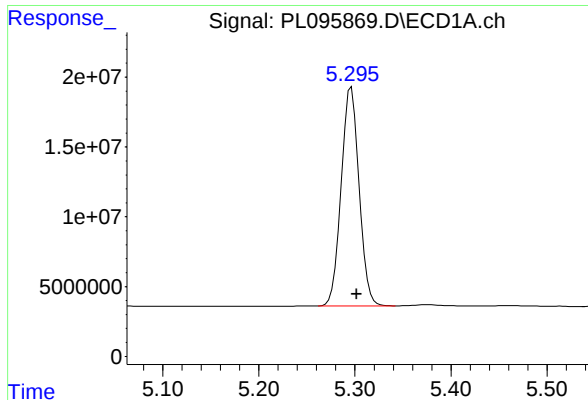
#4 Heptachlor

R.T.: 4.954 min
Delta R.T.: -0.005 min
Response: 172751699
Conc: 45.64 ng/ml



#4 Heptachlor

R.T.: 4.082 min
Delta R.T.: 0.000 min
Response: 255582830
Conc: 45.57 ng/ml



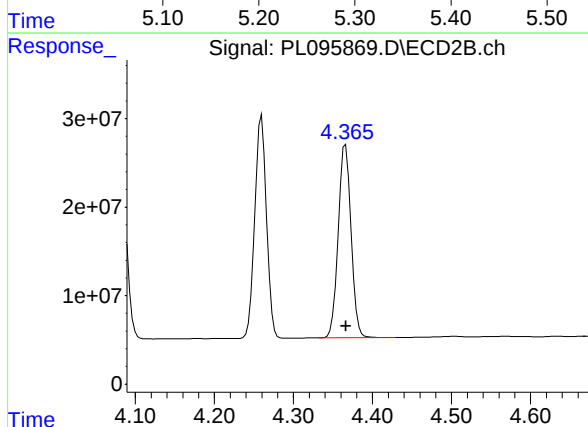
#5 Aldrin

R.T.: 5.296 min
Delta R.T.: -0.006 min
Response: 200851884
Conc: 46.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

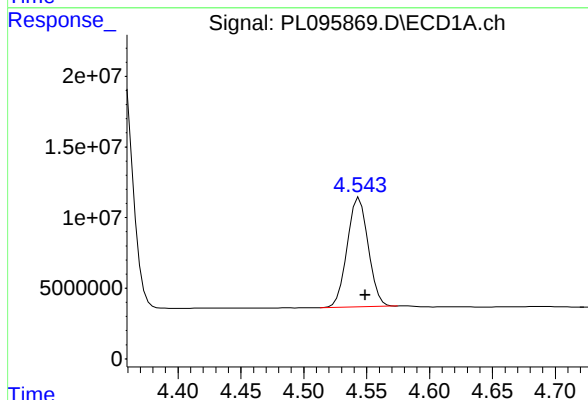
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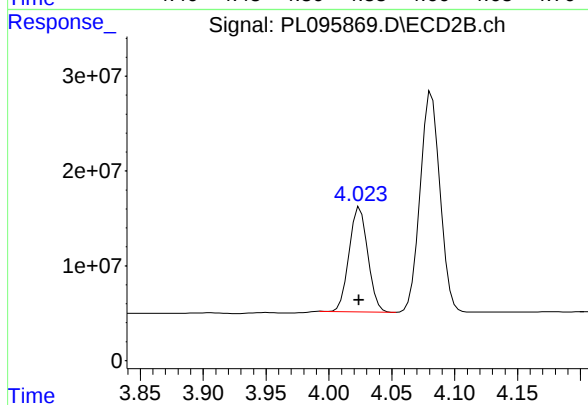
#5 Aldrin

R.T.: 4.366 min
Delta R.T.: 0.000 min
Response: 246949724
Conc: 46.53 ng/ml



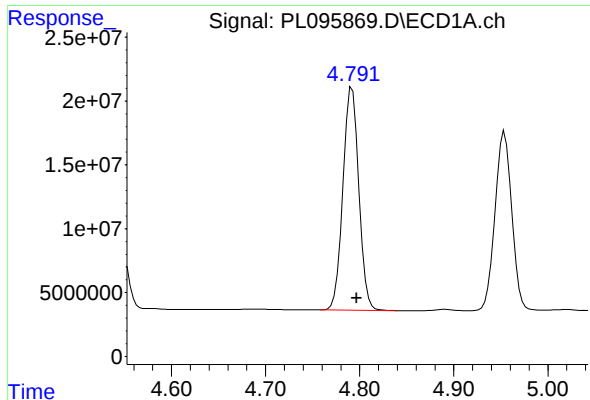
#6 beta-BHC

R.T.: 4.544 min
Delta R.T.: -0.005 min
Response: 89557480
Conc: 45.43 ng/ml



#6 beta-BHC

R.T.: 4.025 min
Delta R.T.: 0.000 min
Response: 114000104
Conc: 46.01 ng/ml



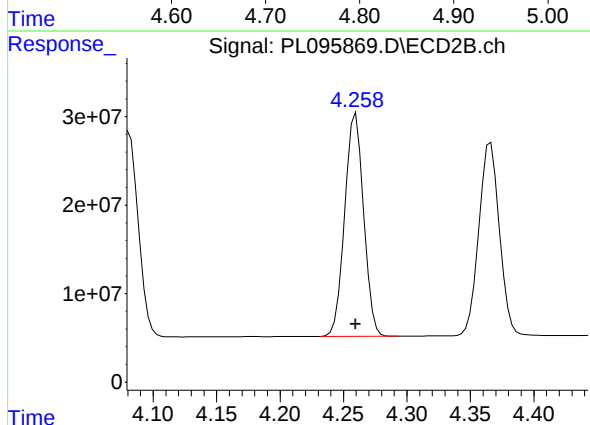
#7 delta-BHC

R.T.: 4.792 min
Delta R.T.: -0.005 min
Response: 204870575
Conc: 46.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

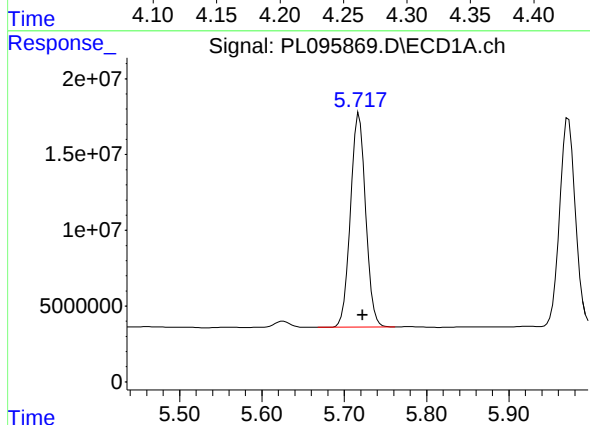
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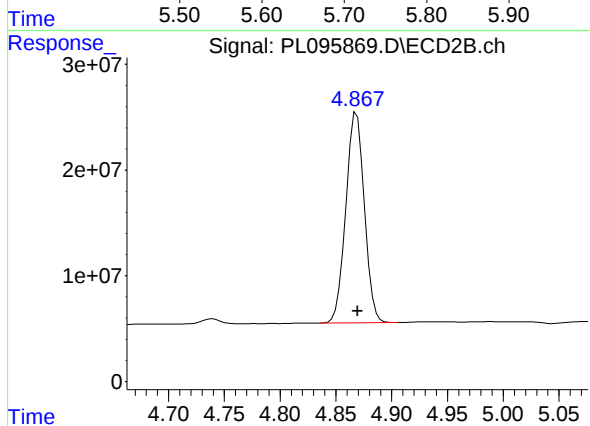
#7 delta-BHC

R.T.: 4.260 min
Delta R.T.: 0.000 min
Response: 260830229
Conc: 46.19 ng/ml



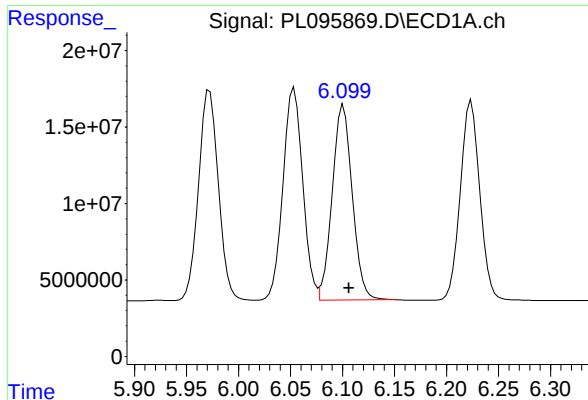
#8 Heptachlor epoxide

R.T.: 5.718 min
Delta R.T.: -0.004 min
Response: 180397328
Conc: 47.26 ng/ml



#8 Heptachlor epoxide

R.T.: 4.869 min
Delta R.T.: 0.000 min
Response: 229579948
Conc: 46.50 ng/ml



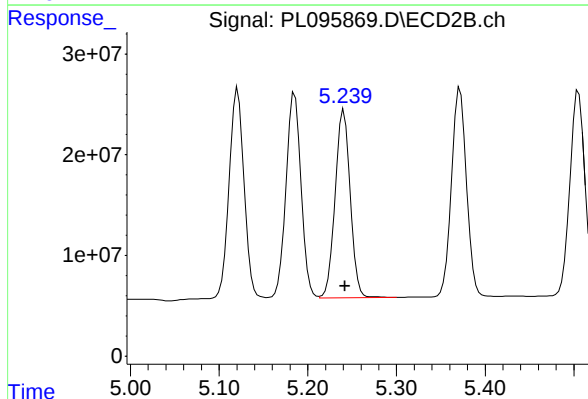
#9 Endosulfan I

R.T.: 6.101 min
Delta R.T.: -0.005 min
Response: 171165874
Conc: 46.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

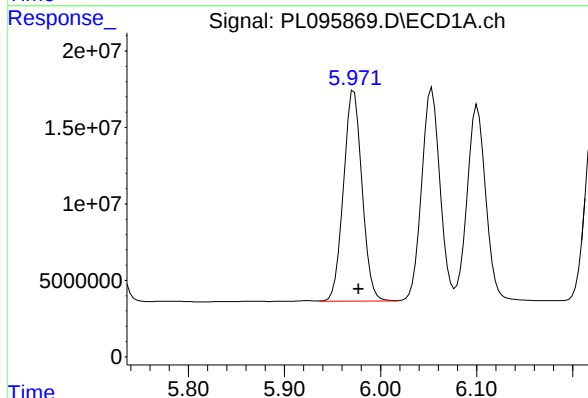
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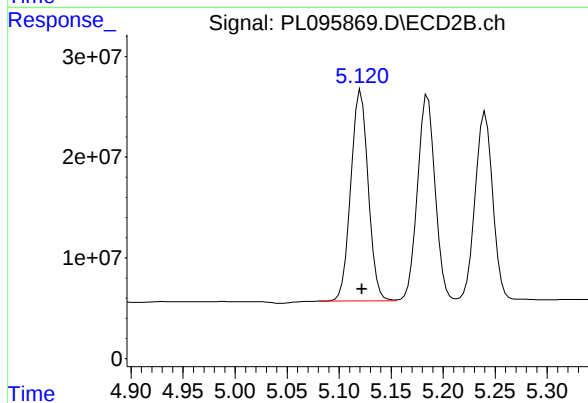
#9 Endosulfan I

R.T.: 5.241 min
Delta R.T.: -0.001 min
Response: 220338460
Conc: 46.24 ng/ml



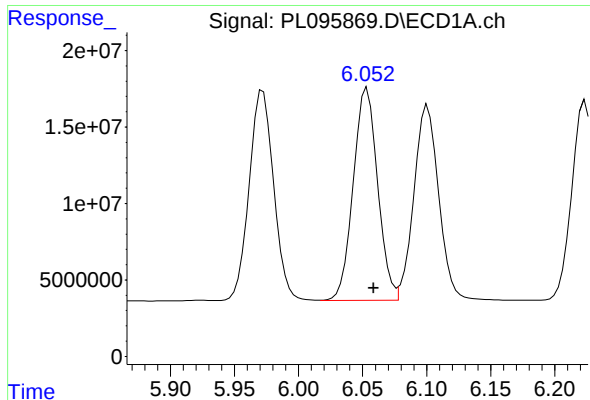
#10 gamma-Chlordane

R.T.: 5.972 min
Delta R.T.: -0.005 min
Response: 183191663
Conc: 47.07 ng/ml



#10 gamma-Chlordane

R.T.: 5.121 min
Delta R.T.: -0.001 min
Response: 243581281
Conc: 46.37 ng/ml



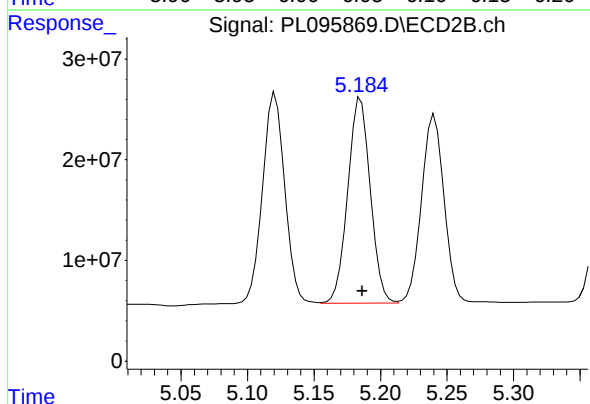
#11 alpha-Chlordane

R.T.: 6.054 min
Delta R.T.: -0.005 min
Response: 183907731
Conc: 46.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

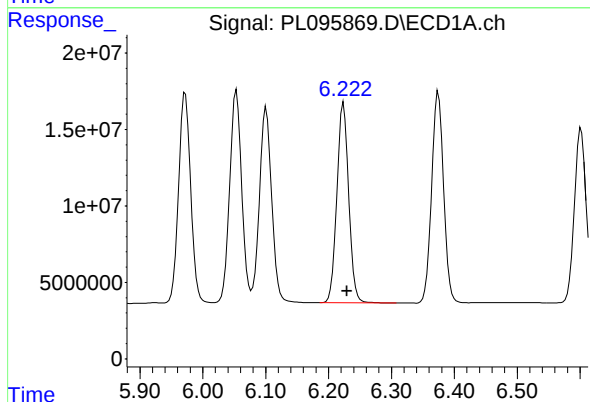
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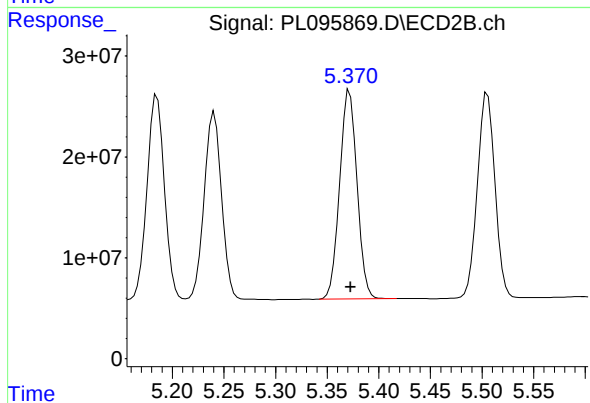
#11 alpha-Chlordane

R.T.: 5.185 min
Delta R.T.: -0.001 min
Response: 240792893
Conc: 46.28 ng/ml



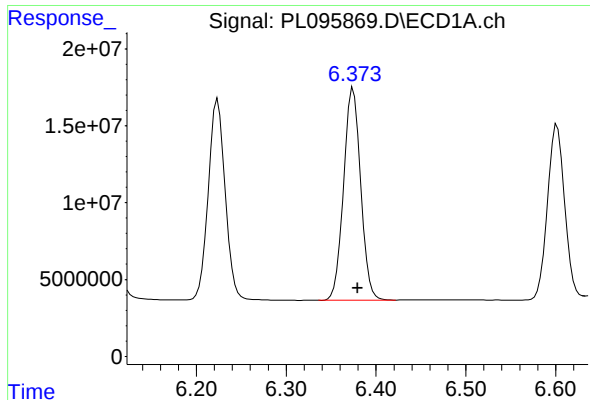
#12 4,4'-DDE

R.T.: 6.224 min
Delta R.T.: -0.005 min
Response: 171046254
Conc: 46.63 ng/ml



#12 4,4'-DDE

R.T.: 5.372 min
Delta R.T.: -0.001 min
Response: 242933706
Conc: 45.31 ng/ml



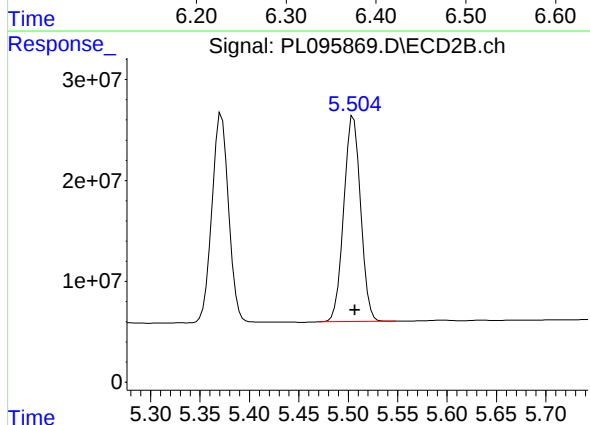
#13 Dieldrin

R.T.: 6.375 min
Delta R.T.: -0.005 min
Response: 181912056
Conc: 47.14 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

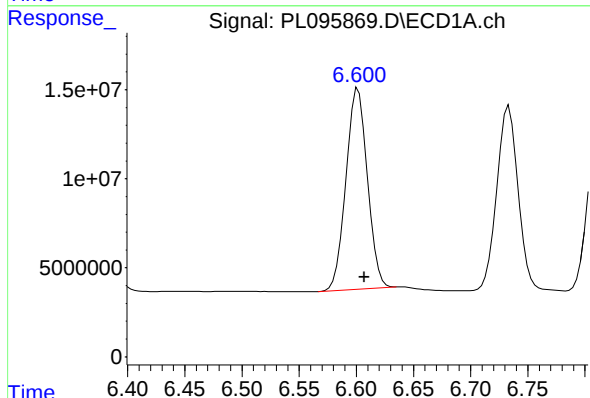
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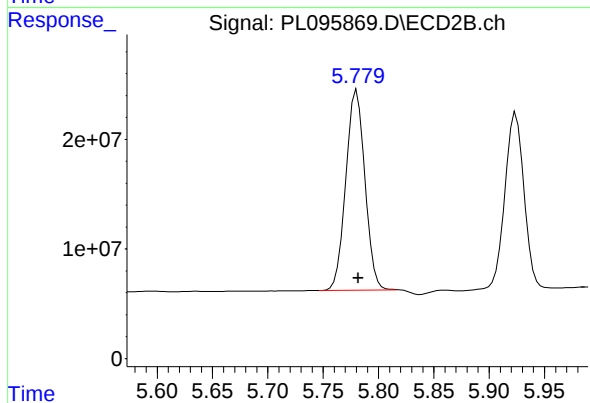
#13 Dieldrin

R.T.: 5.505 min
Delta R.T.: -0.001 min
Response: 241471059
Conc: 45.56 ng/ml



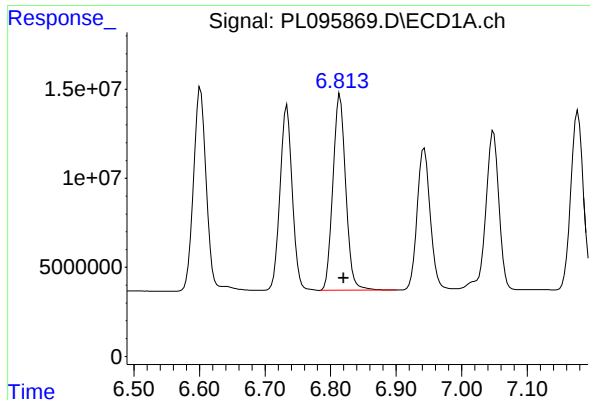
#14 Endrin

R.T.: 6.602 min
Delta R.T.: -0.005 min
Response: 148121851
Conc: 45.90 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.003 min
Response: 219809218
Conc: 45.08 ng/ml m



#15 Endosulfan II

R.T.: 6.814 min
Delta R.T.: -0.005 min
Response: 150010821
Conc: 43.53 ng/ml

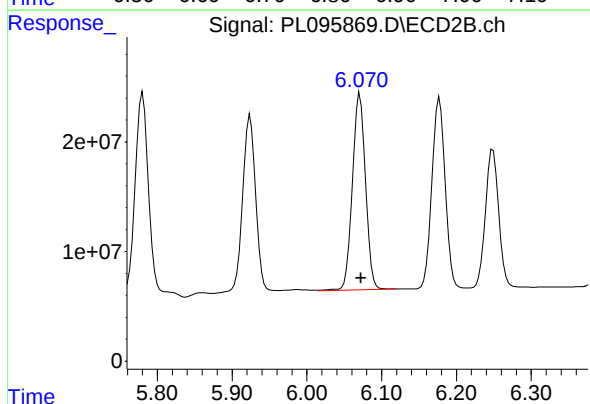
Instrument :

ECD_L

ClientSampleId :
TP04-MHG-WCMSD

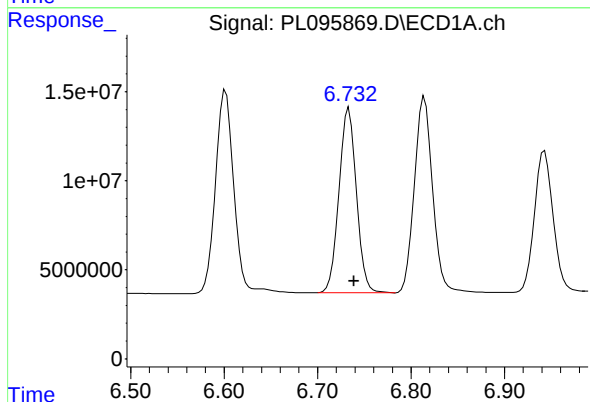
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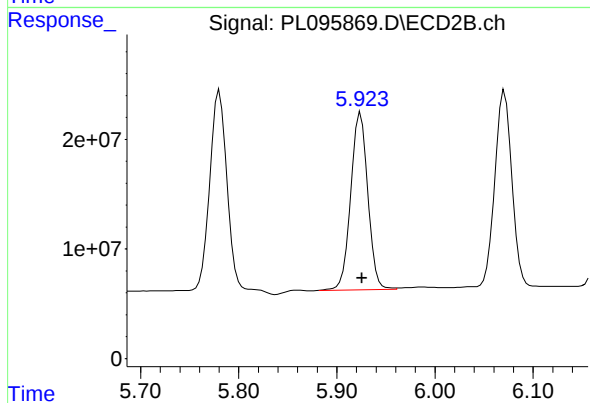
#15 Endosulfan II

R.T.: 6.071 min
Delta R.T.: -0.002 min
Response: 218094957
Conc: 45.90 ng/ml



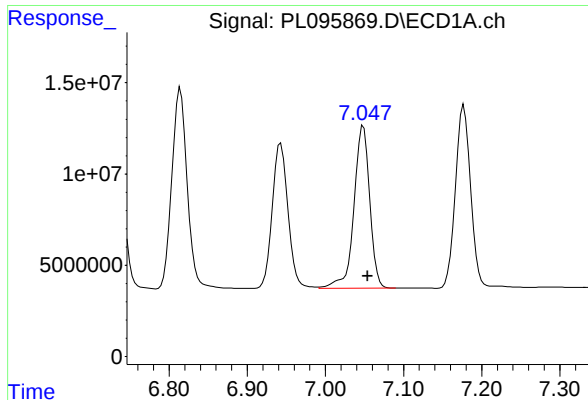
#16 4,4'-DDD

R.T.: 6.734 min
Delta R.T.: -0.005 min
Response: 134425161
Conc: 45.87 ng/ml



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: -0.001 min
Response: 195386824
Conc: 44.56 ng/ml



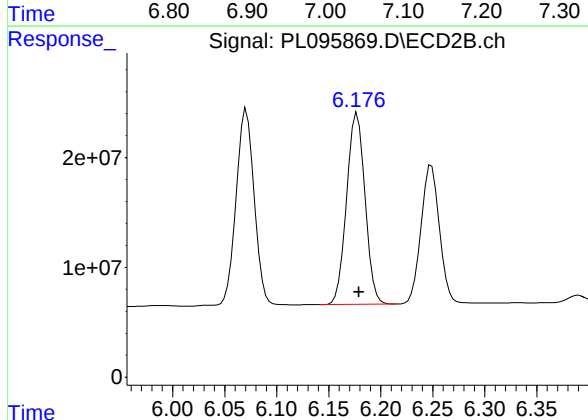
#17 4,4'-DDT

R.T.: 7.049 min
Delta R.T.: -0.005 min
Response: 124876290
Conc: 46.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

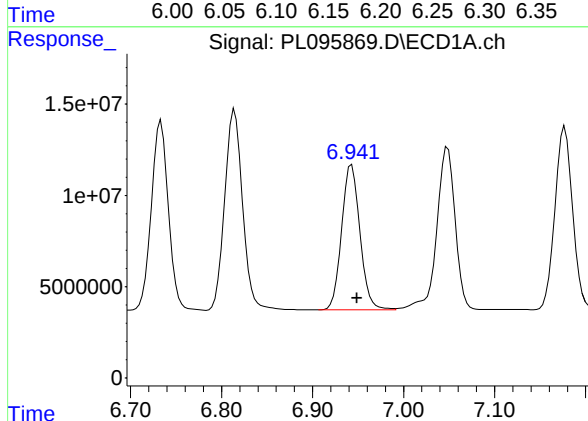
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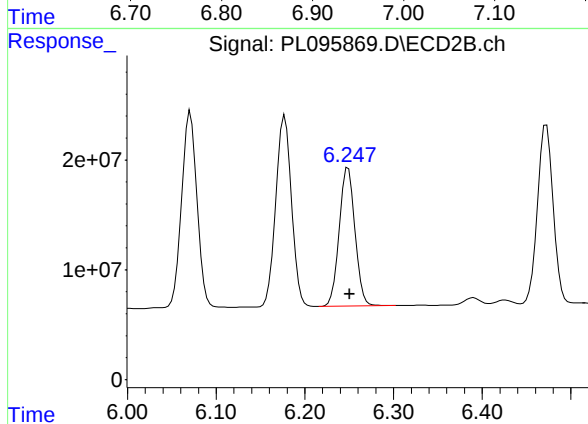
#17 4,4'-DDT

R.T.: 6.177 min
Delta R.T.: -0.002 min
Response: 214778591
Conc: 44.91 ng/ml



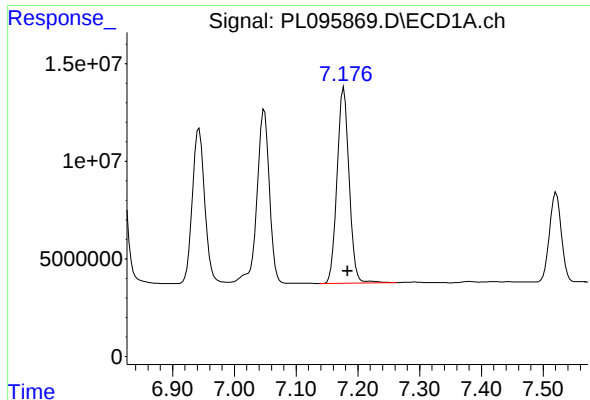
#18 Endrin aldehyde

R.T.: 6.943 min
Delta R.T.: -0.006 min
Response: 111337966
Conc: 46.05 ng/ml



#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.002 min
Response: 155514458
Conc: 45.02 ng/ml



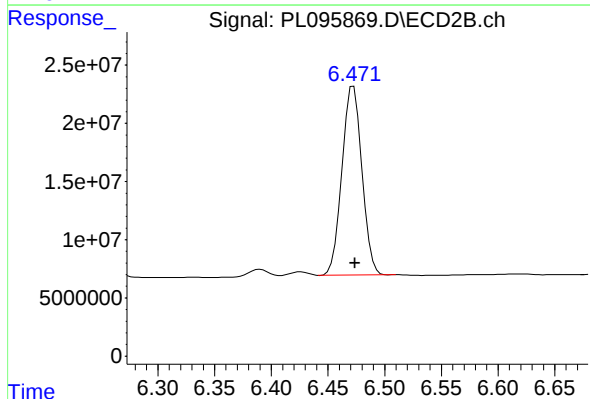
#19 Endosulfan Sulfate

R.T.: 7.177 min
Delta R.T.: -0.006 min
Response: 136034937
Conc: 45.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

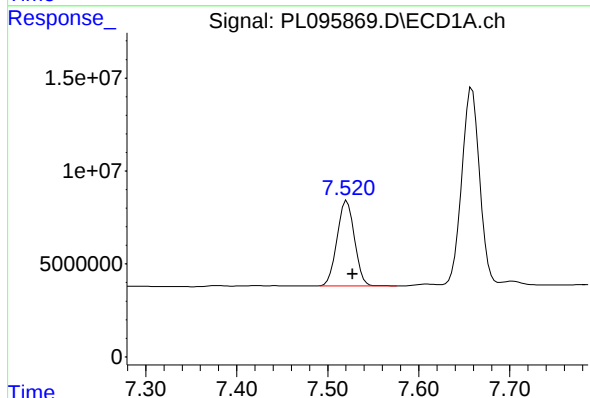
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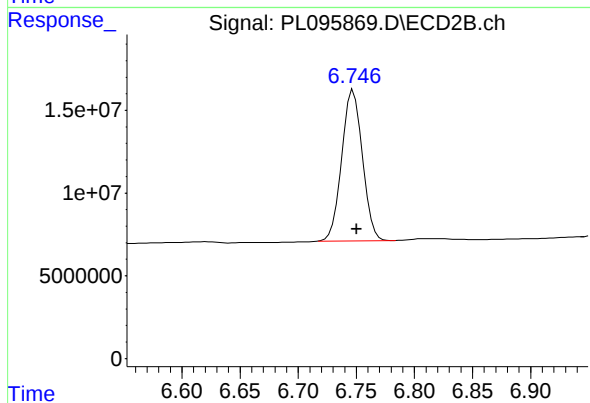
#19 Endosulfan Sulfate

R.T.: 6.472 min
Delta R.T.: -0.001 min
Response: 198572845
Conc: 44.18 ng/ml



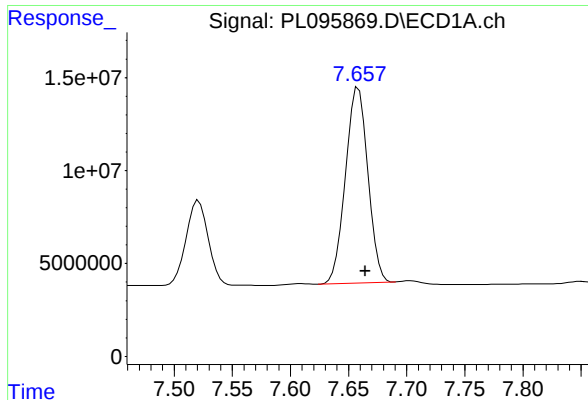
#20 Methoxychlor

R.T.: 7.521 min
Delta R.T.: -0.006 min
Response: 60963702
Conc: 47.80 ng/ml



#20 Methoxychlor

R.T.: 6.748 min
Delta R.T.: -0.003 min
Response: 112849653
Conc: 43.14 ng/ml



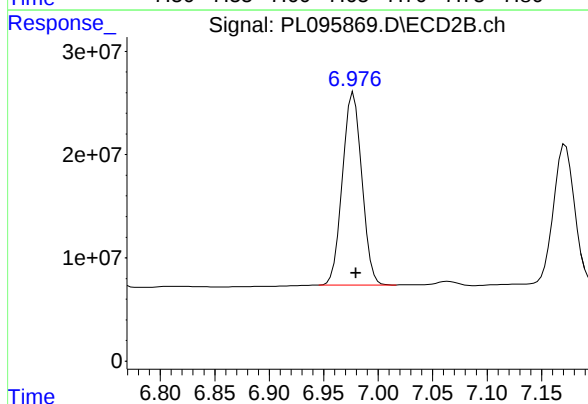
#21 Endrin ketone

R.T.: 7.659 min
Delta R.T.: -0.006 min
Response: 140885966
Conc: 44.49 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

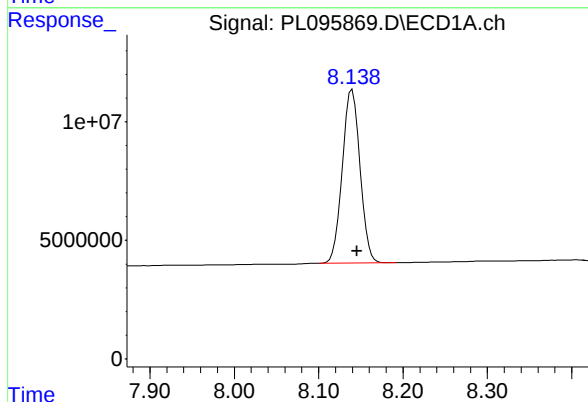
Manual Integrations
APPROVED

Reviewed By :Abdul Mirza 06/03/2025
Supervised By :mohammad ahmed 06/04/2025



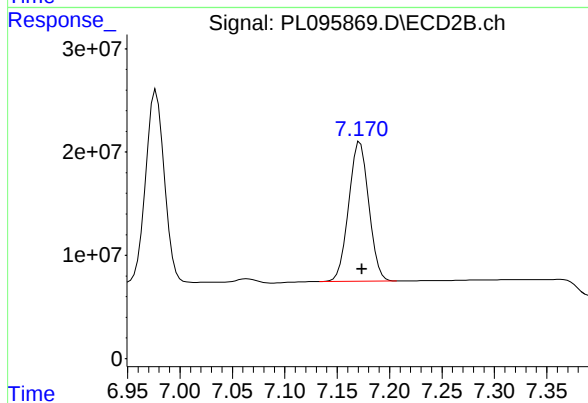
#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.002 min
Response: 230726783
Conc: 44.59 ng/ml



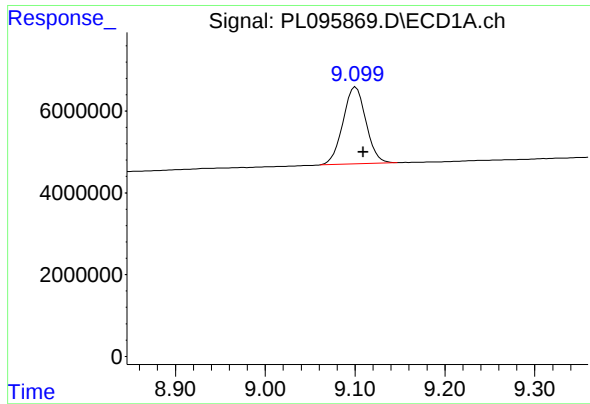
#22 Mirex

R.T.: 8.140 min
Delta R.T.: -0.006 min
Response: 106757345
Conc: 46.14 ng/ml



#22 Mirex

R.T.: 7.170 min
Delta R.T.: -0.003 min
Response: 181057827
Conc: 44.59 ng/ml m



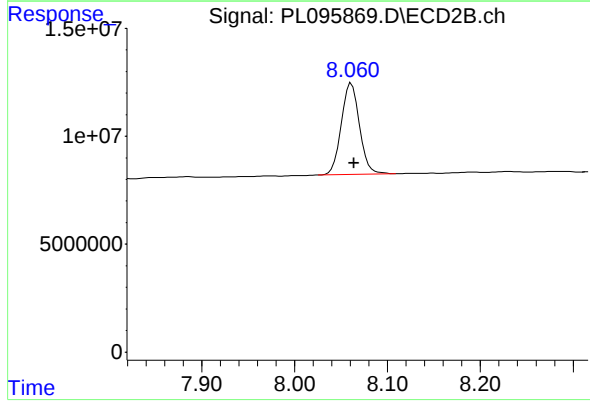
#28 Decachlorobiphenyl

R.T.: 9.101 min
Delta R.T.: -0.008 min
Response: 33283313
Conc: 14.13 ng/ml

Instrument :
ECD_L
ClientSampleId :
TP04-MHG-WCMSD

Manual Integrations
APPROVED

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 57679371
Conc: 13.19 ng/ml