

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL060425\
 Data File : PL095915.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Jun 2025 11:12
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 06/05/2025
 Supervised By : mohammad ahmed 06/06/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 05 01:41:02 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...	3.592	2.885	72265857	85519323	22.903	21.850
28) SA Decachlor...	9.118	8.059	51626826	94520846	21.910	21.607
Target Compounds						
2) A alpha-BHC	4.043	3.394	52568723	61029495	10.844	10.419
3) MA gamma-BHC...	4.375	3.728	48843108	58621296	10.922	10.466
6) B beta-BHC	4.562	4.024	21992789	27125048	11.156	10.948
12) B 4,4'-DDE	6.242	5.375	962694	883478	0.262m	0.165m#
14) MA Endrin	6.619	5.778	164.5E6	251.4E6	50.978m	51.550m
16) A 4,4'-DDD	6.750	5.923	16236891	27622437	5.540m	6.299
17) MA 4,4'-DDT	7.067	6.176	250.6E6	476.0E6	92.622	99.521
18) B Endrin al...	6.960	6.249	2126867	4235983	0.880m	1.226 #
20) A Methoxychlor	7.540	6.747	297.4E6	553.3E6	233.188	211.484
21) B Endrin ke...	7.676	6.976	8734332	14412870	2.758	2.786

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

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Acq On : 04 Jun 2025 11:12
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

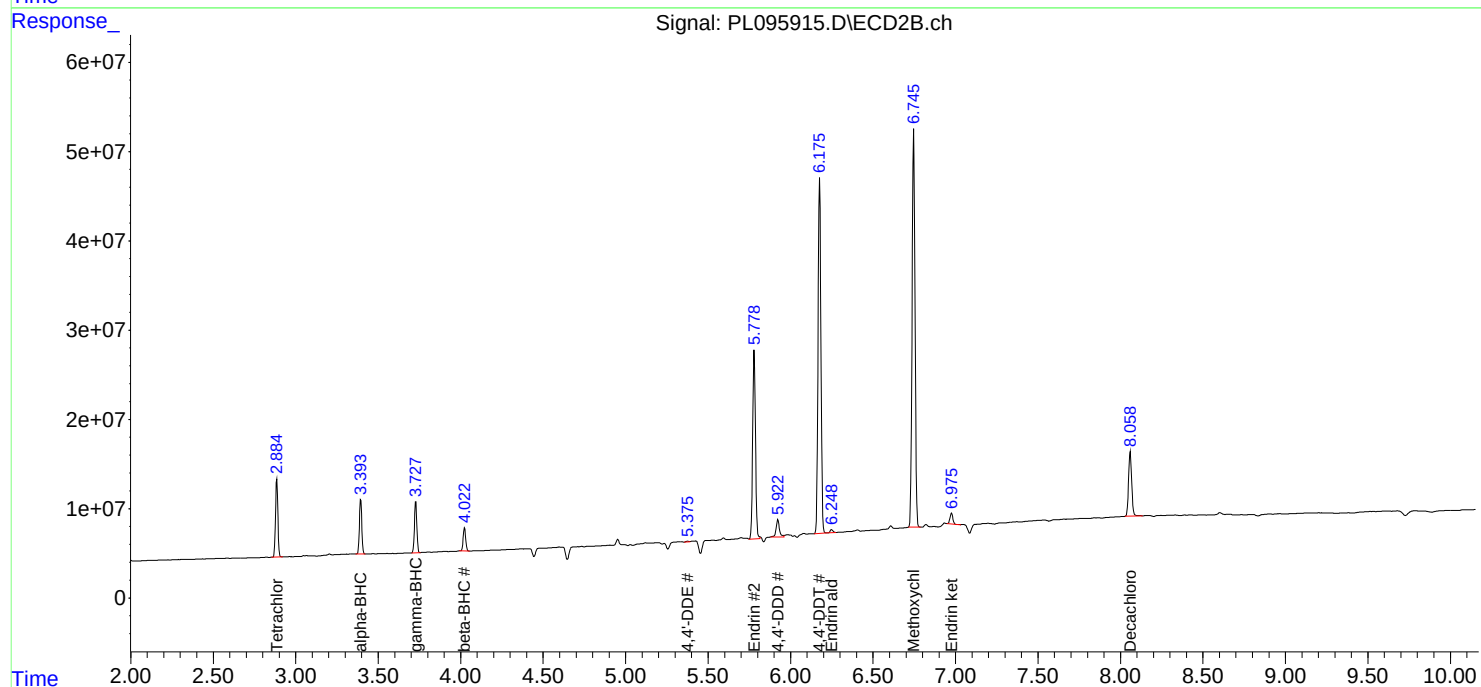
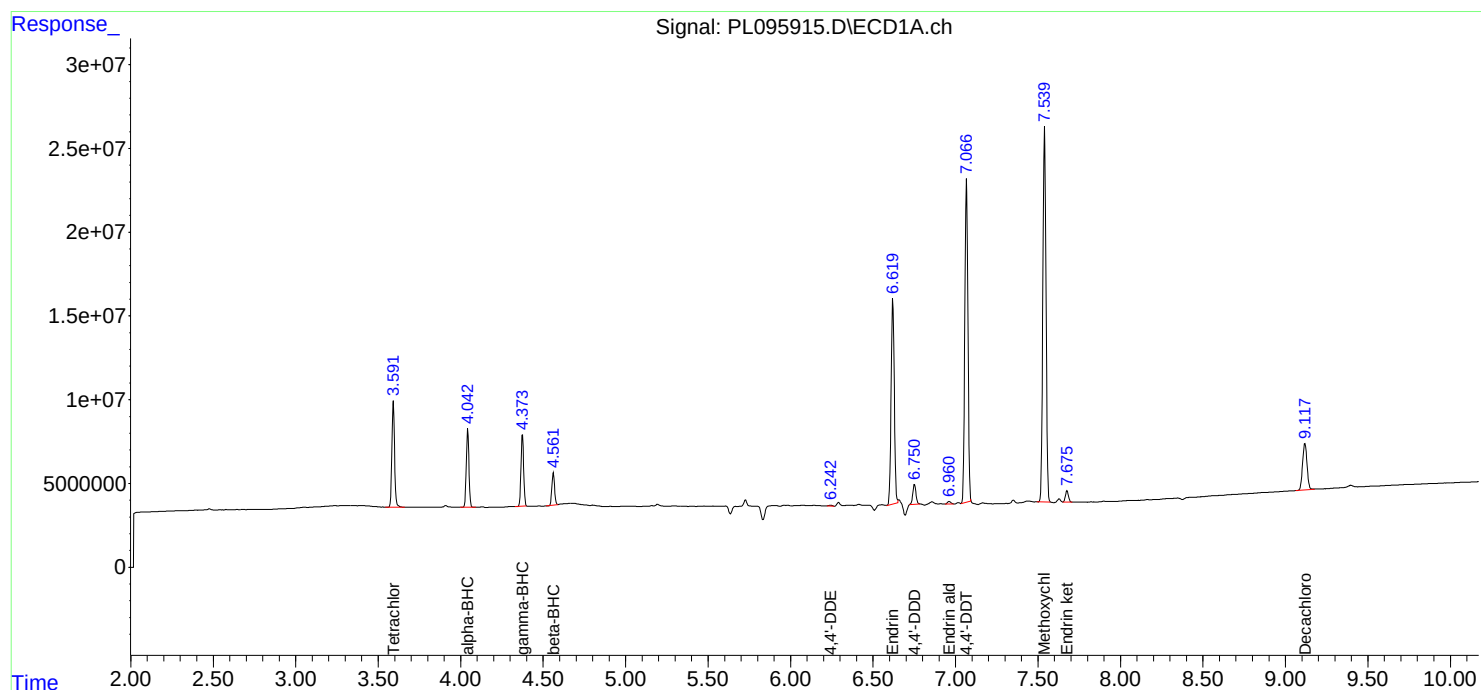
Instrument :
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ClientSampleId :
PEM

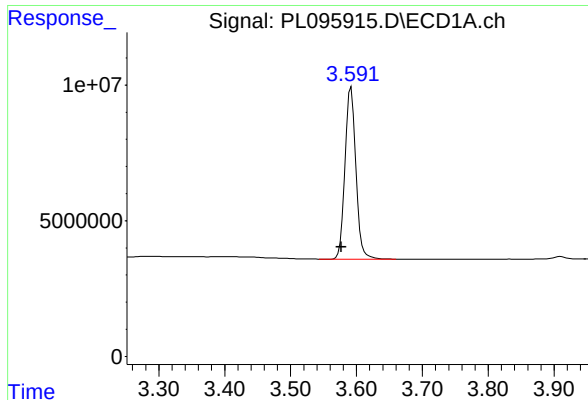
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL052125.M
Quant Title : GC Extractables
QLast Update : Thu May 22 06:29:30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





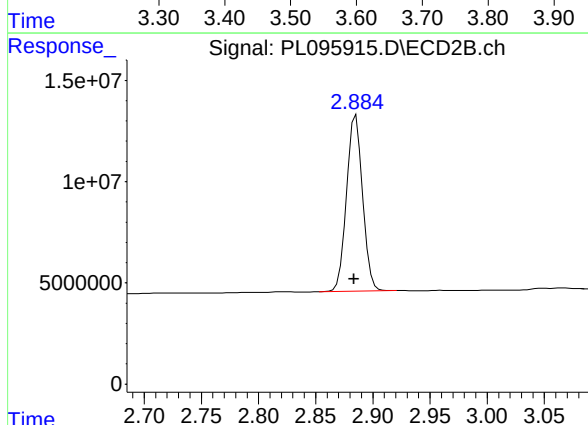
#1 Tetrachloro-m-xylene

R.T.: 3.592 min
Delta R.T.: 0.015 min
Response: 72265857
Conc: 22.90 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

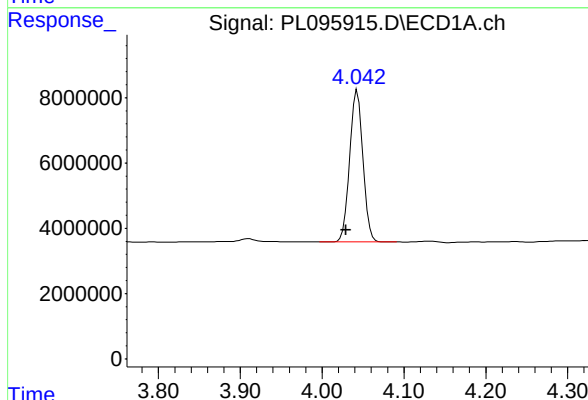
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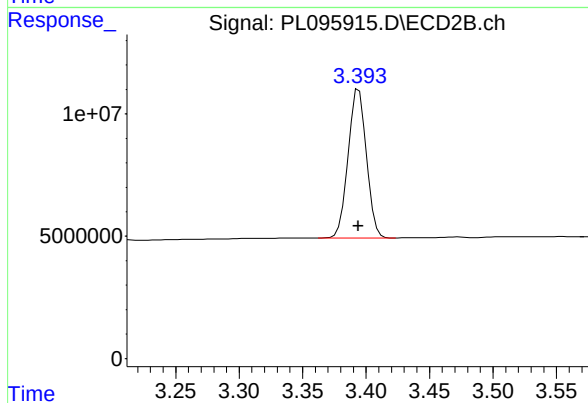
#1 Tetrachloro-m-xylene

R.T.: 2.885 min
Delta R.T.: 0.002 min
Response: 85519323
Conc: 21.85 ng/ml



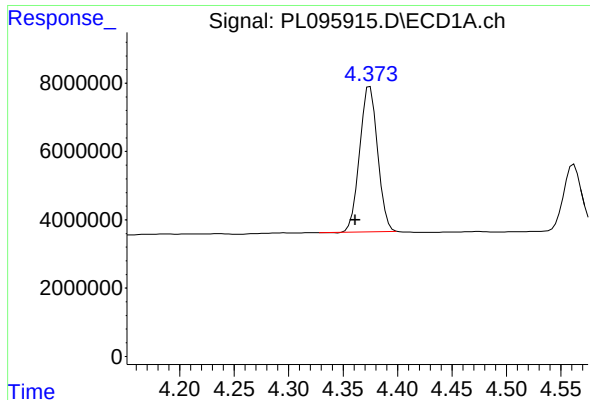
#2 alpha-BHC

R.T.: 4.043 min
Delta R.T.: 0.014 min
Response: 52568723
Conc: 10.84 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 61029495
Conc: 10.42 ng/ml



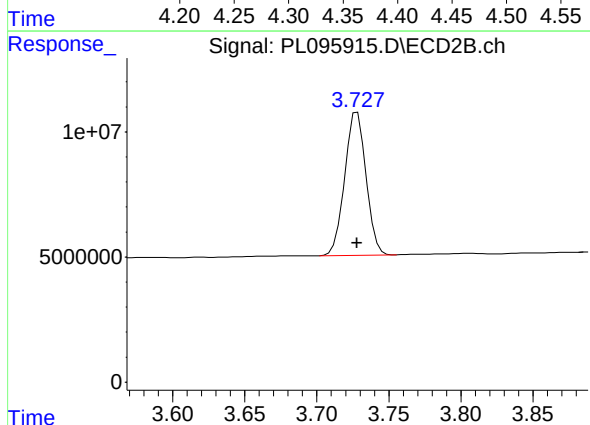
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: 0.013 min
Response: 48843108
Conc: 10.92 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

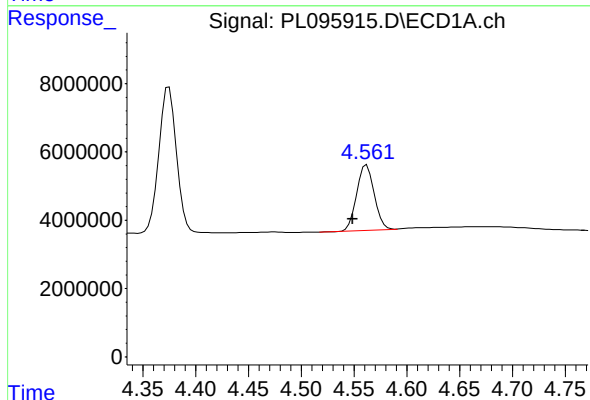
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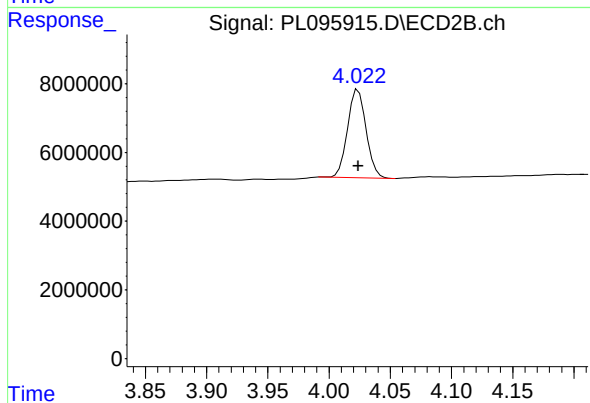
#3 gamma-BHC (Lindane)

R.T.: 3.728 min
Delta R.T.: 0.000 min
Response: 58621296
Conc: 10.47 ng/ml



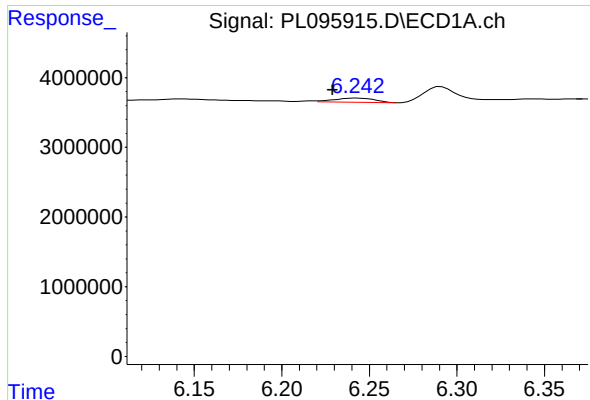
#6 beta-BHC

R.T.: 4.562 min
Delta R.T.: 0.013 min
Response: 21992789
Conc: 11.16 ng/ml



#6 beta-BHC

R.T.: 4.024 min
Delta R.T.: 0.000 min
Response: 27125048
Conc: 10.95 ng/ml



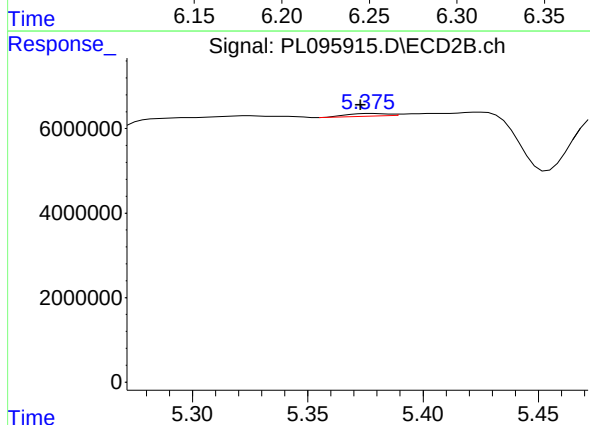
#12 4,4'-DDE

R.T.: 6.242 min
Delta R.T.: 0.013 min
Response: 962694
Conc: 0.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

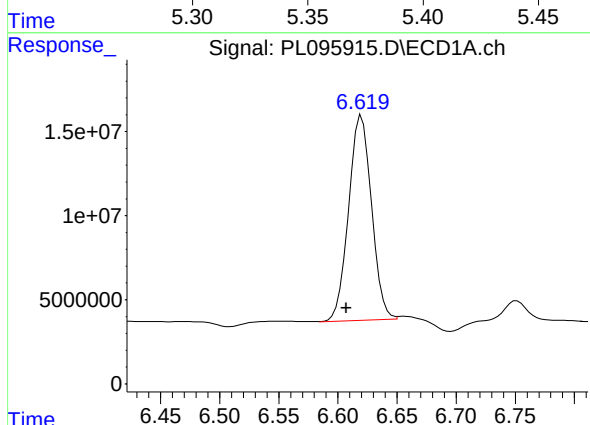
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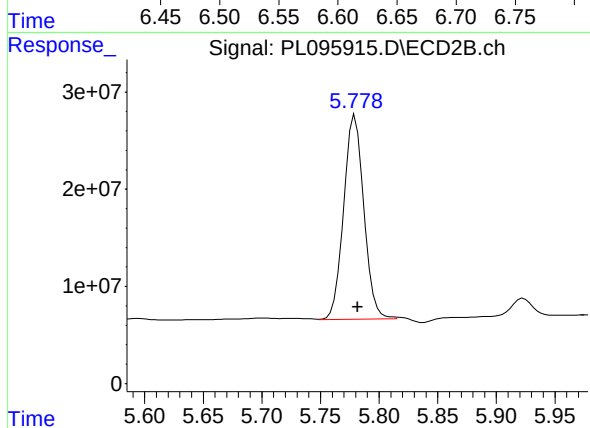
#12 4,4'-DDE

R.T.: 5.375 min
Delta R.T.: 0.002 min
Response: 883478
Conc: 0.16 ng/ml m



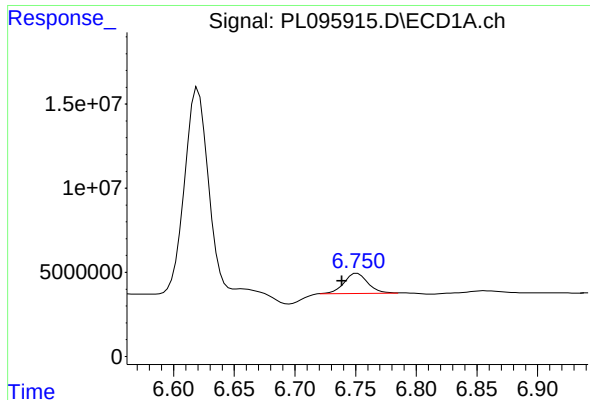
#14 Endrin

R.T.: 6.619 min
Delta R.T.: 0.012 min
Response: 164493239
Conc: 50.98 ng/ml m



#14 Endrin

R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 251365177
Conc: 51.55 ng/ml m



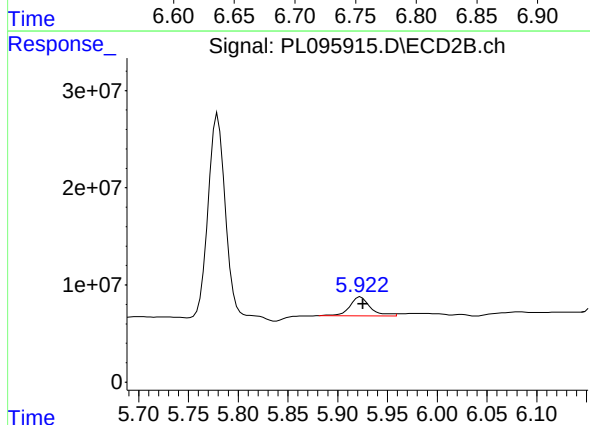
#16 4,4'-DDD

R.T.: 6.750 min
Delta R.T.: 0.011 min
Response: 16236891
Conc: 5.54 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

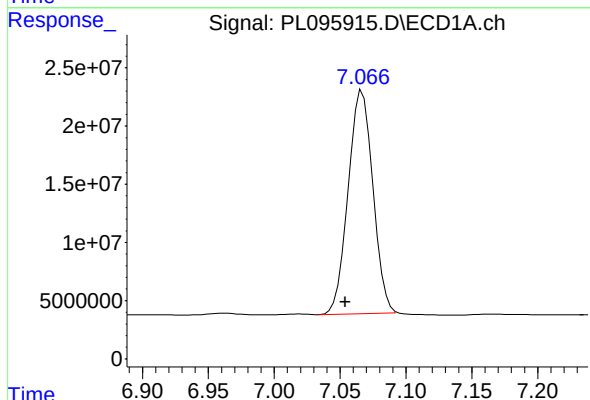
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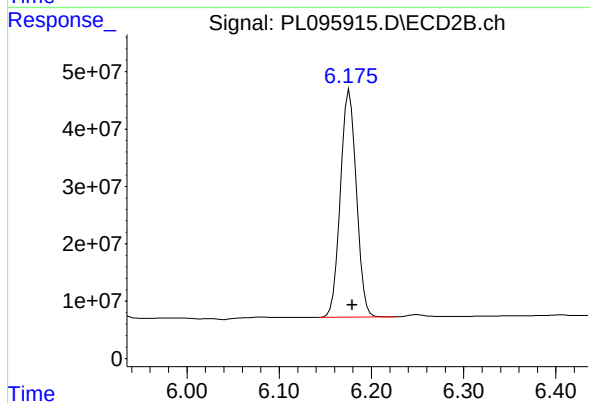
#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: -0.002 min
Response: 27622437
Conc: 6.30 ng/ml



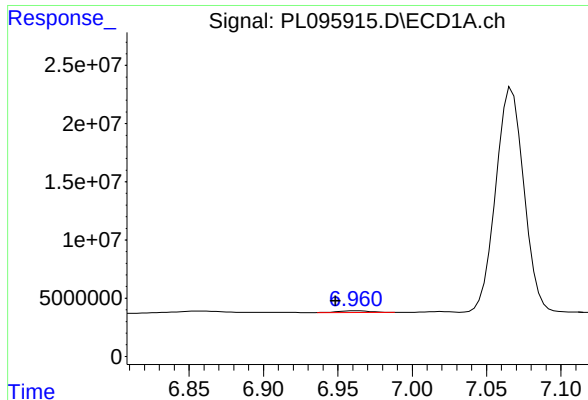
#17 4,4'-DDT

R.T.: 7.067 min
Delta R.T.: 0.013 min
Response: 250554677
Conc: 92.62 ng/ml



#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 475967092
Conc: 99.52 ng/ml



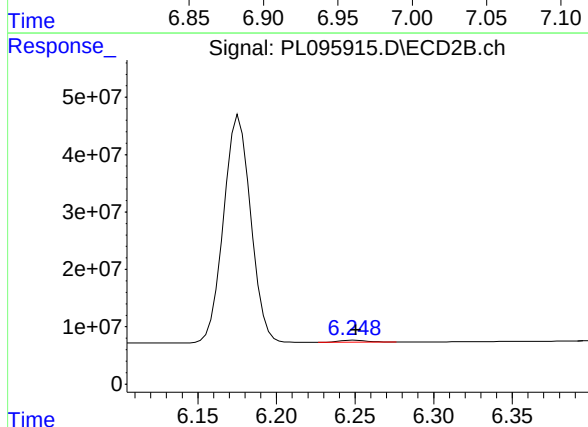
#18 Endrin aldehyde

R.T.: 6.960 min
Delta R.T.: 0.012 min
Response: 2126867
Conc: 0.88 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

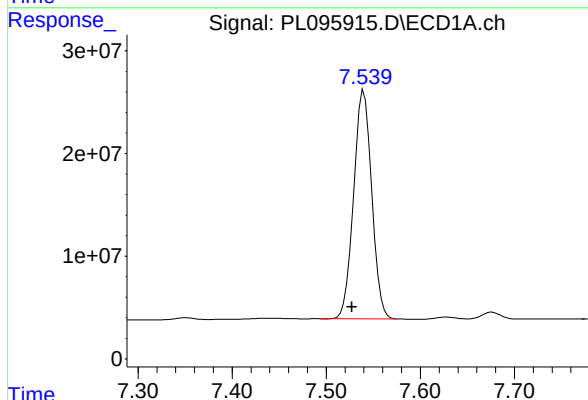
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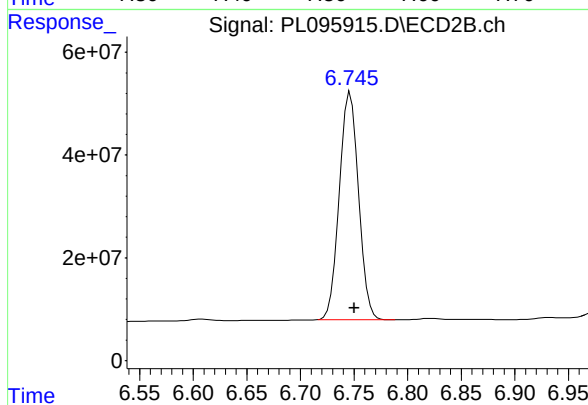
#18 Endrin aldehyde

R.T.: 6.249 min
Delta R.T.: -0.001 min
Response: 4235983
Conc: 1.23 ng/ml



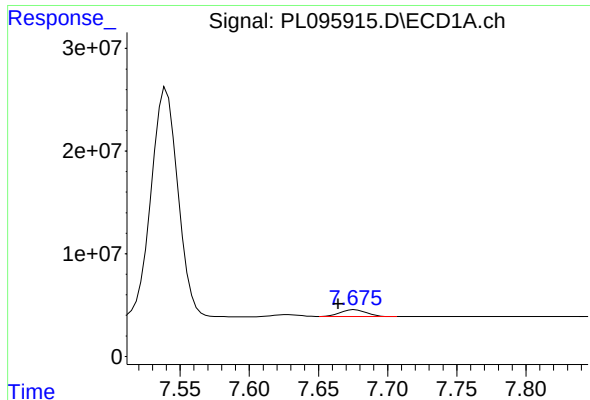
#20 Methoxychlor

R.T.: 7.540 min
Delta R.T.: 0.013 min
Response: 297390515
Conc: 233.19 ng/ml



#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.004 min
Response: 553264599
Conc: 211.48 ng/ml



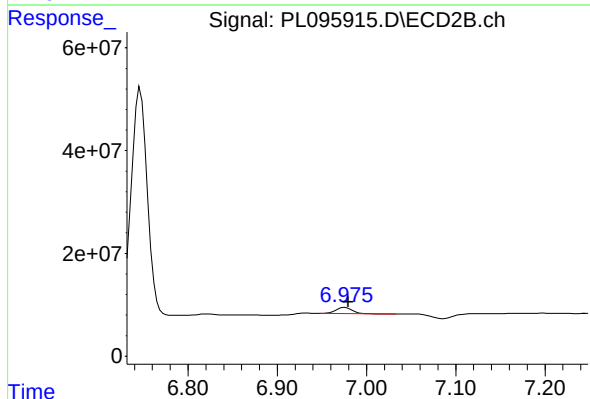
#21 Endrin ketone

R.T.: 7.676 min
Delta R.T.: 0.012 min
Response: 8734332
Conc: 2.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

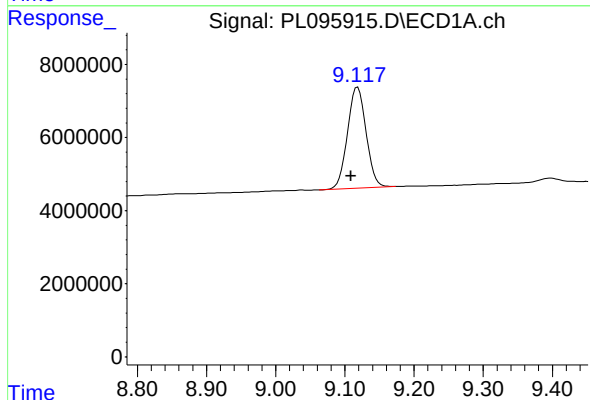
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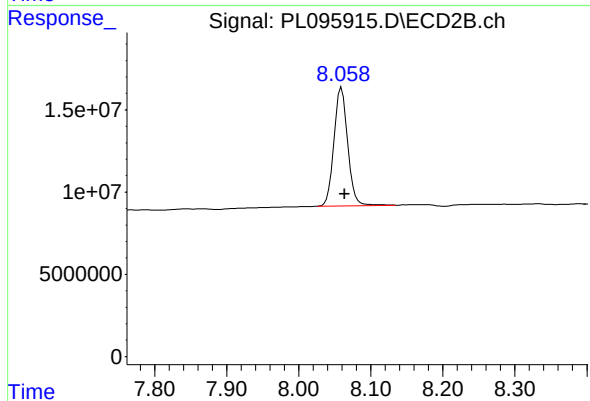
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 14412870
Conc: 2.79 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.118 min
Delta R.T.: 0.009 min
Response: 51626826
Conc: 21.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: -0.004 min
Response: 94520846
Conc: 21.61 ng/ml