

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL051325\
 Data File : PL095631.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 13 May 2025 11:57
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 05/15/2025
 Supervised By :mohammad ahmed 05/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 13 14:42:13 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL051325.M
 Quant Title : GC Extractables
 QLast Update : Tue May 13 14:38:57 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...	3.594	2.912	68936544	80326694	16.871	17.149
28) SA Decachlor...	9.117	8.089	65359703	79699571	19.266	19.322
Target Compounds						
2) A alpha-BHC	4.045	3.422	47613044	61161769	8.137	8.552
3) MA gamma-BHC...	4.375	3.755	46359633	58397027	8.329	8.648
6) B beta-BHC	4.561	4.048	20818222	27156433	8.500	9.001
14) MA Endrin	6.620	5.809	169.3E6	228.3E6	44.191	42.848
16) A 4,4'-DDD	6.748	5.950	7269649	10646754	1.871m	2.070m
17) MA 4,4'-DDT	7.065	6.205	316.3E6	428.1E6	87.914	85.297
18) B Endrin al...	6.958	6.277	1198250	3215903	0.408m	0.840m#
20) A Methoxychlor	7.536	6.775	353.7E6	500.3E6	209.798	184.889
21) B Endrin ke...	7.673	7.005	4710597	8825180	1.257m	1.502m

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

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Operator : AR\AJ
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ALS Vial : 3 Sample Multiplier: 1

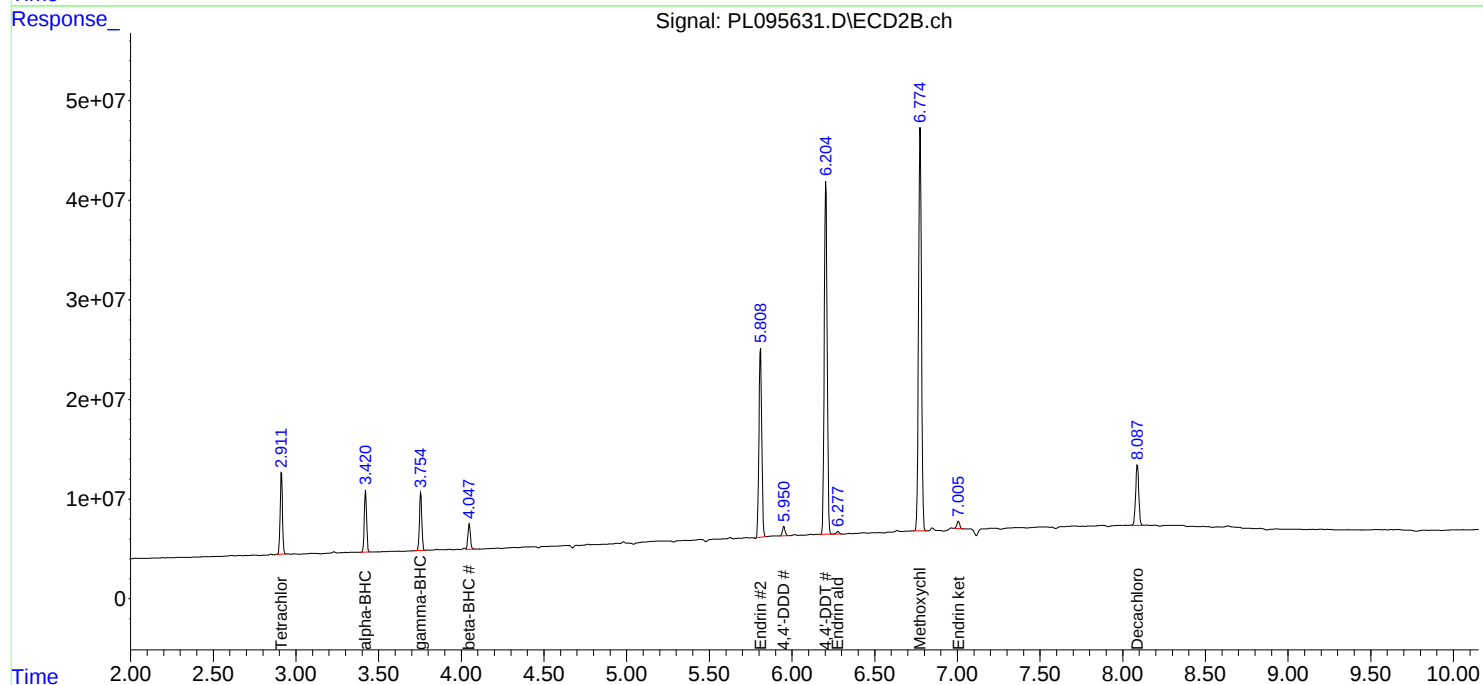
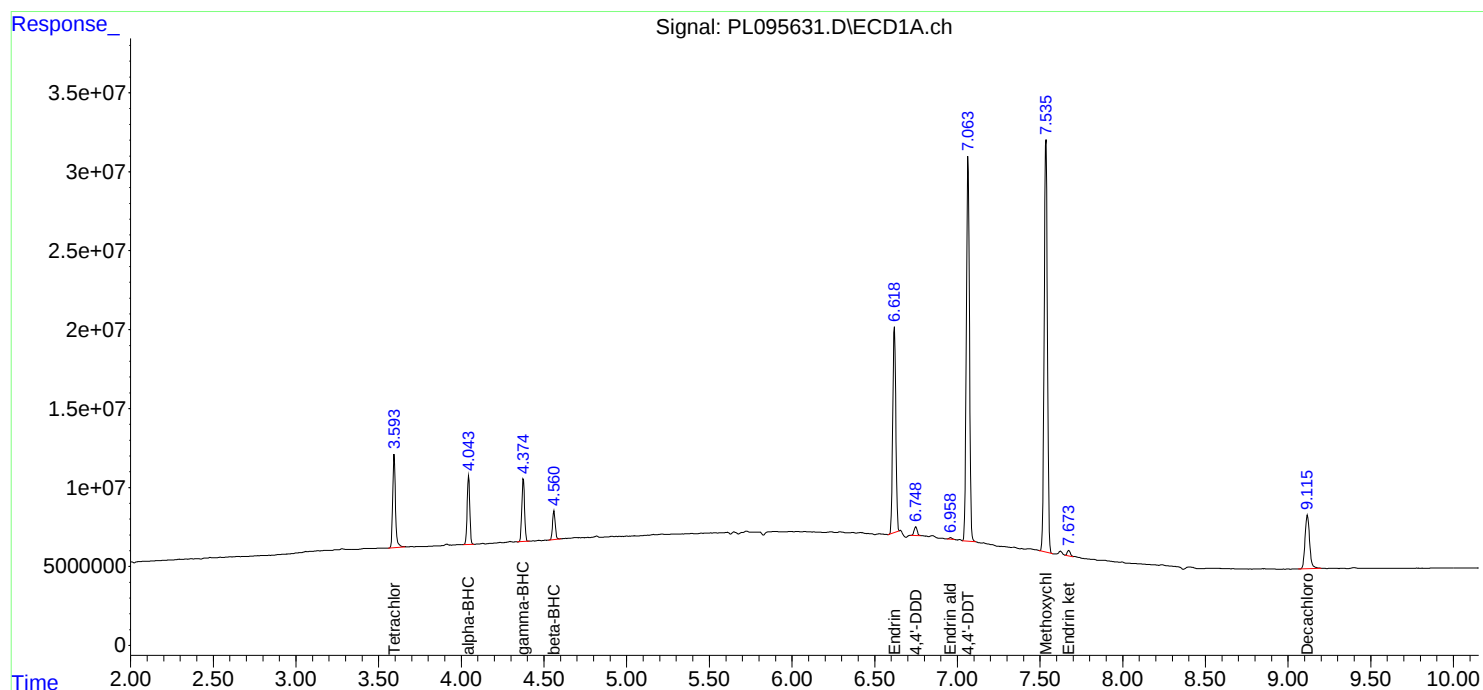
Instrument :
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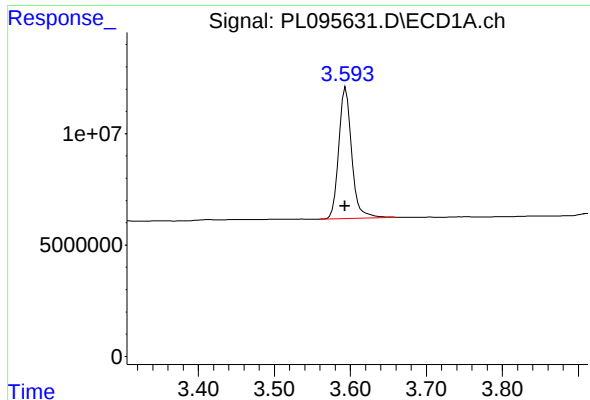
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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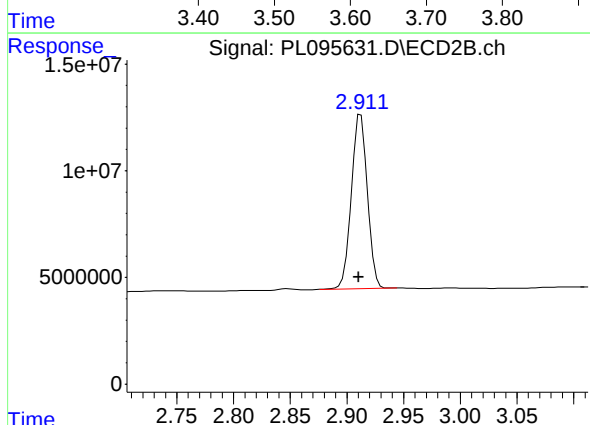
#1 Tetrachloro-m-xylene

R.T.: 3.594 min
Delta R.T.: 0.000 min
Response: 68936544
Conc: 16.87 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

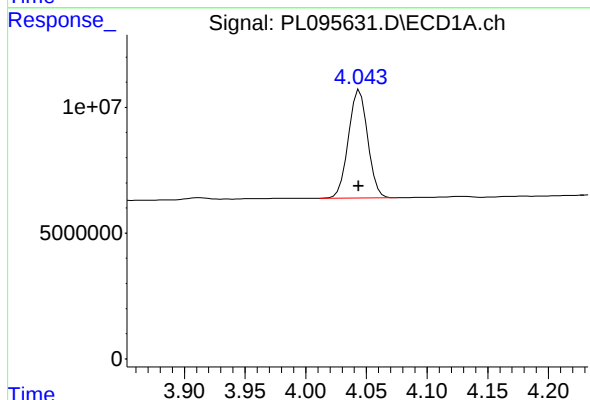
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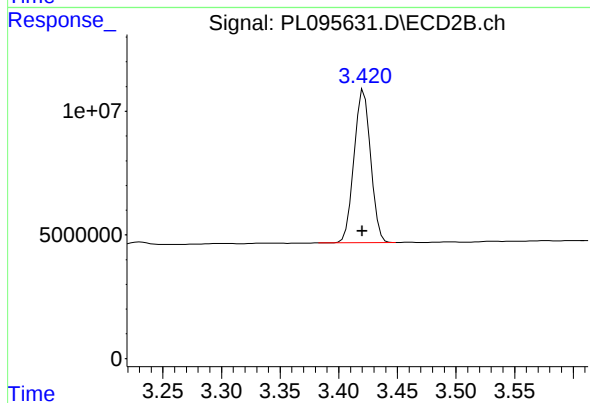
#1 Tetrachloro-m-xylene

R.T.: 2.912 min
Delta R.T.: 0.002 min
Response: 80326694
Conc: 17.15 ng/ml



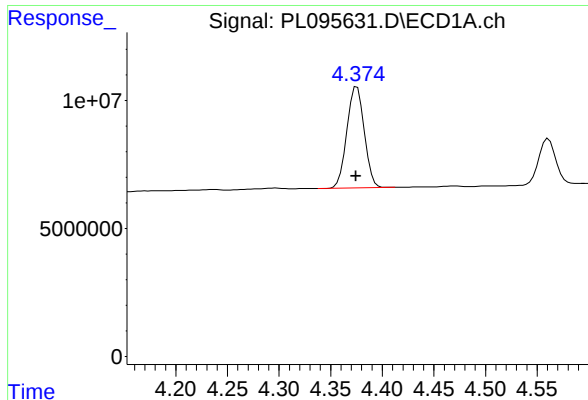
#2 alpha-BHC

R.T.: 4.045 min
Delta R.T.: 0.000 min
Response: 47613044
Conc: 8.14 ng/ml



#2 alpha-BHC

R.T.: 3.422 min
Delta R.T.: 0.001 min
Response: 61161769
Conc: 8.55 ng/ml



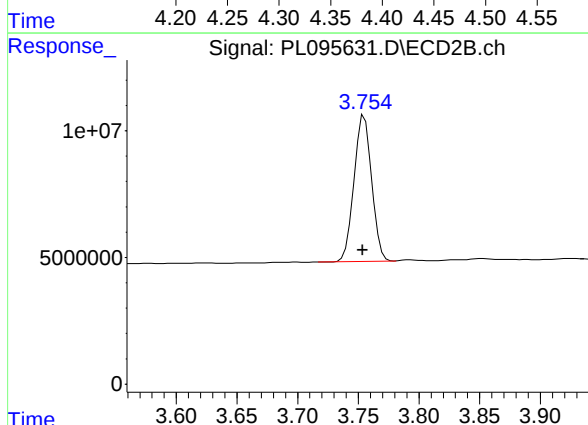
#3 gamma-BHC (Lindane)

R.T.: 4.375 min
Delta R.T.: 0.000 min
Response: 46359633
Conc: 8.33 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

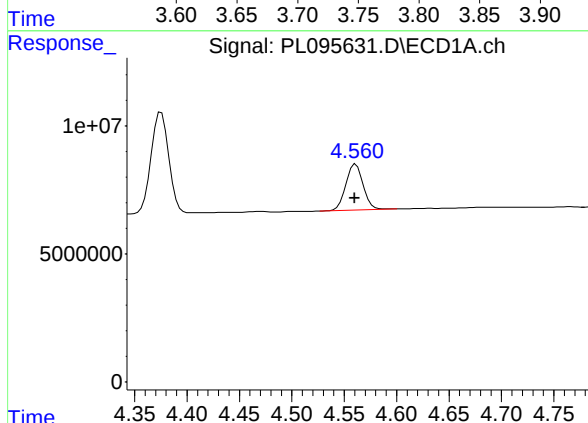
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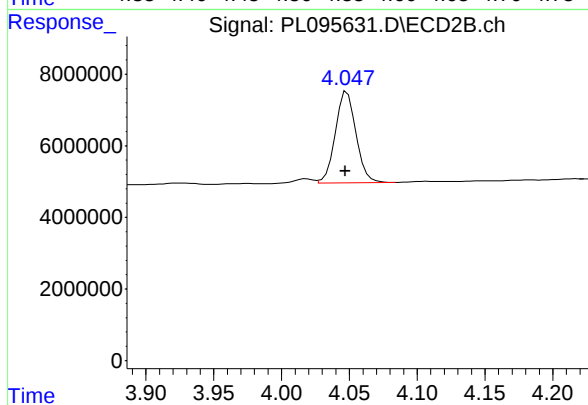
#3 gamma-BHC (Lindane)

R.T.: 3.755 min
Delta R.T.: 0.002 min
Response: 58397027
Conc: 8.65 ng/ml



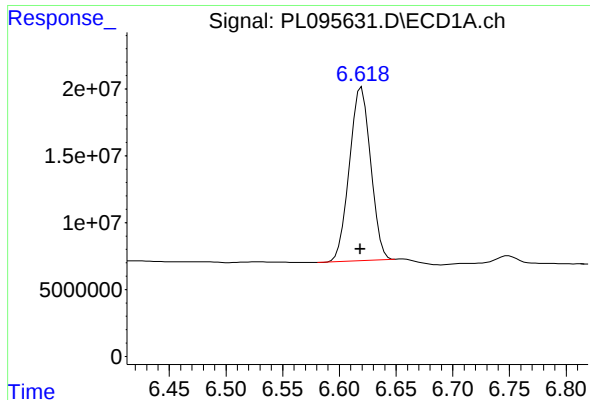
#6 beta-BHC

R.T.: 4.561 min
Delta R.T.: 0.001 min
Response: 20818222
Conc: 8.50 ng/ml



#6 beta-BHC

R.T.: 4.048 min
Delta R.T.: 0.001 min
Response: 27156433
Conc: 9.00 ng/ml



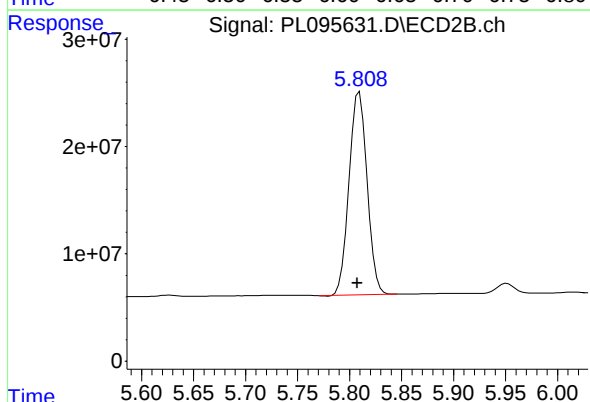
#14 Endrin

R.T.: 6.620 min
Delta R.T.: 0.000 min
Response: 169276707
Conc: 44.19 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

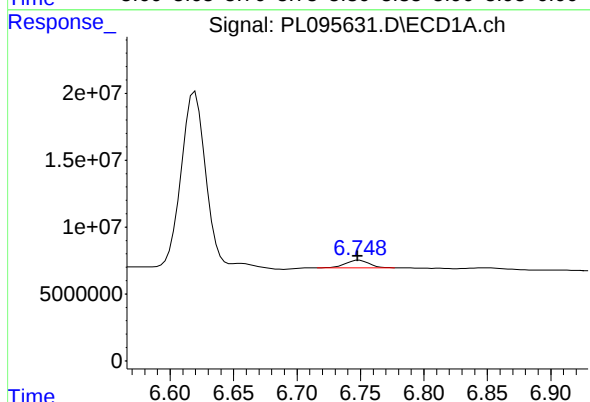
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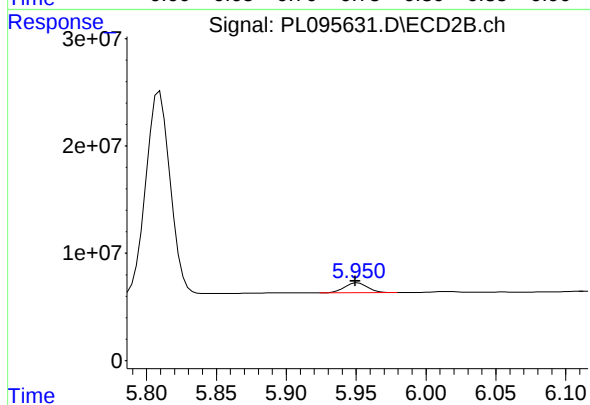
#14 Endrin

R.T.: 5.809 min
Delta R.T.: 0.002 min
Response: 228278060
Conc: 42.85 ng/ml



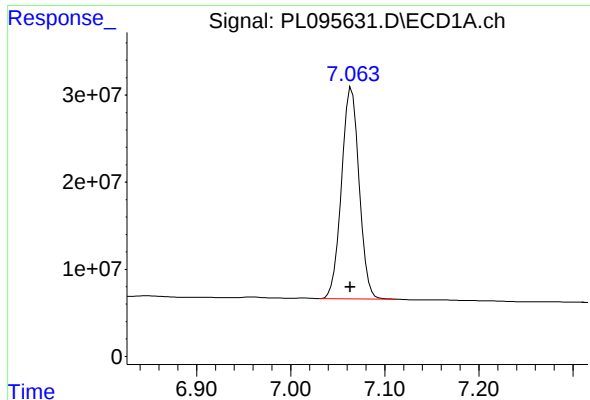
#16 4,4'-DDD

R.T.: 6.748 min
Delta R.T.: 0.000 min
Response: 7269649
Conc: 1.87 ng/ml m



#16 4,4'-DDD

R.T.: 5.950 min
Delta R.T.: 0.000 min
Response: 10646754
Conc: 2.07 ng/ml m



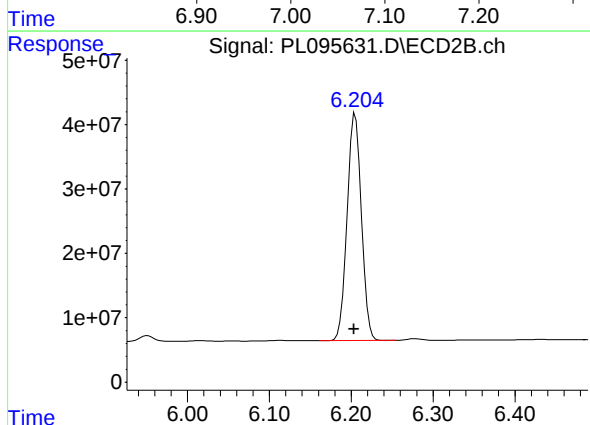
#17 4,4'-DDT

R.T.: 7.065 min
Delta R.T.: 0.001 min
Response: 316299862
Conc: 87.91 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

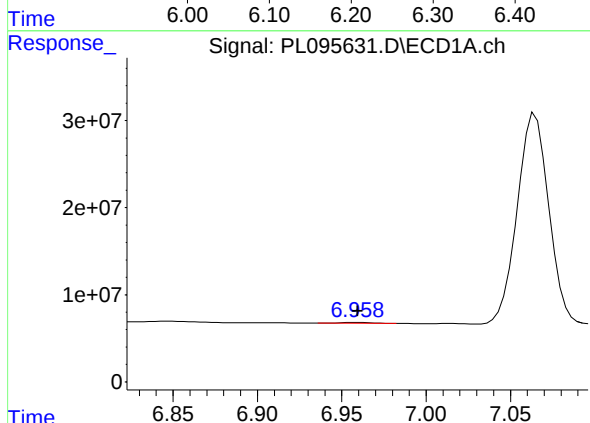
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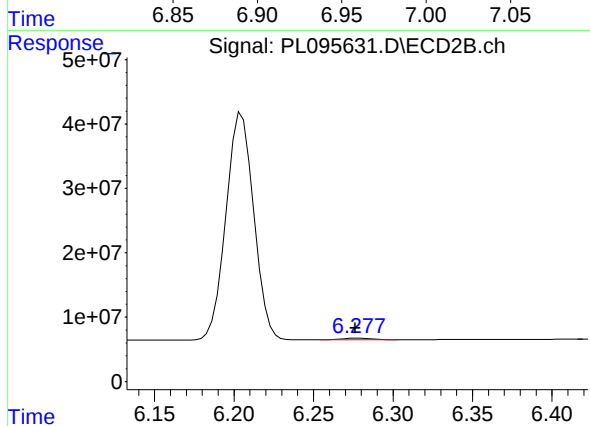
#17 4,4'-DDT

R.T.: 6.205 min
Delta R.T.: 0.002 min
Response: 428093861
Conc: 85.30 ng/ml



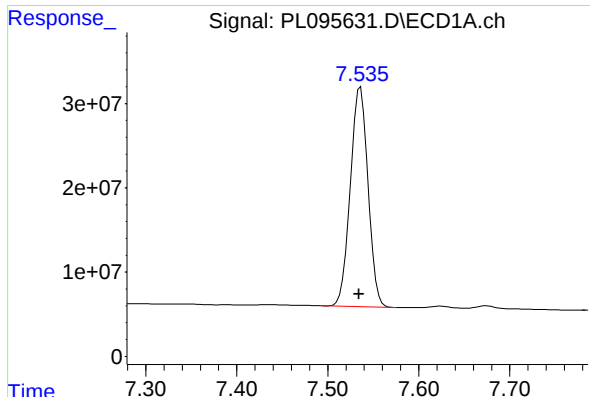
#18 Endrin aldehyde

R.T.: 6.958 min
Delta R.T.: -0.002 min
Response: 1198250
Conc: 0.41 ng/ml m



#18 Endrin aldehyde

R.T.: 6.277 min
Delta R.T.: 0.000 min
Response: 3215903
Conc: 0.84 ng/ml m



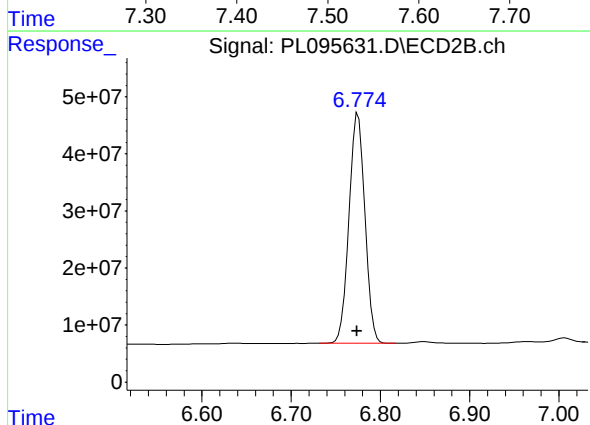
#20 Methoxychlor

R.T.: 7.536 min
Delta R.T.: 0.002 min
Response: 353727390
Conc: 209.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

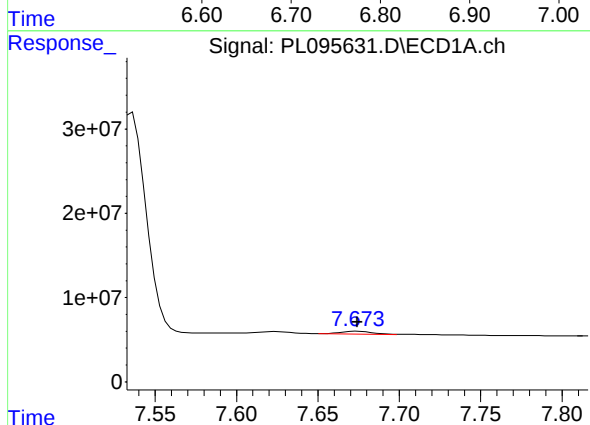
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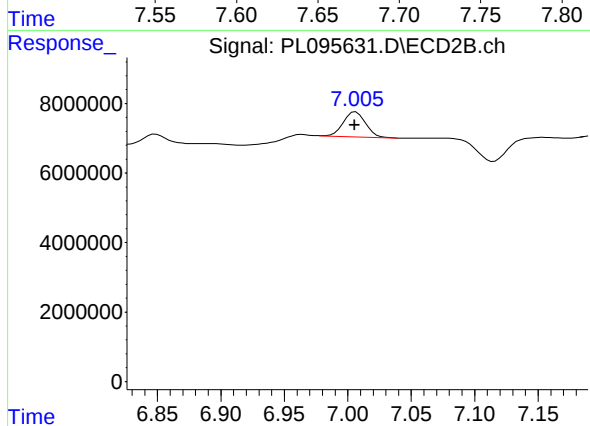
#20 Methoxychlor

R.T.: 6.775 min
Delta R.T.: 0.002 min
Response: 500278248
Conc: 184.89 ng/ml



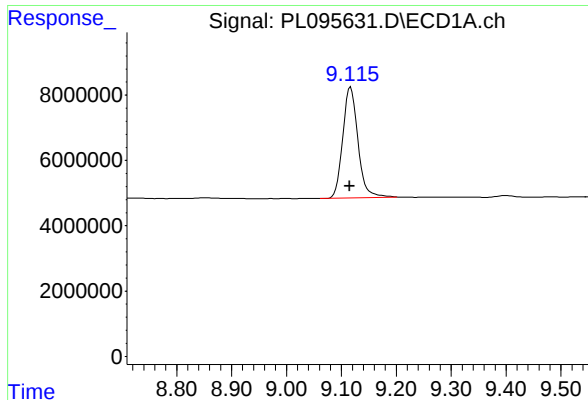
#21 Endrin ketone

R.T.: 7.673 min
Delta R.T.: -0.001 min
Response: 4710597
Conc: 1.26 ng/ml m



#21 Endrin ketone

R.T.: 7.005 min
Delta R.T.: 0.000 min
Response: 8825180
Conc: 1.50 ng/ml m



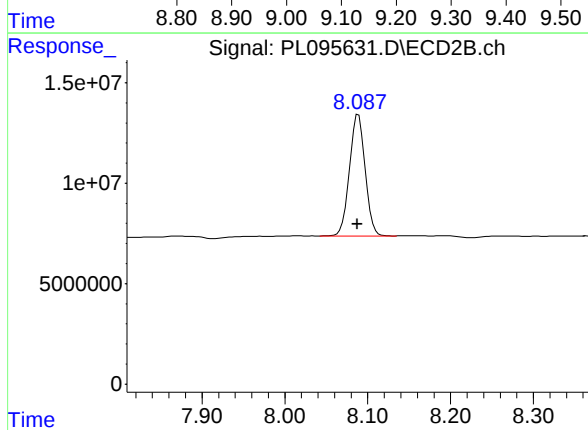
#28 Decachlorobiphenyl

R.T.: 9.117 min
Delta R.T.: 0.002 min
Response: 65359703
Conc: 19.27 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.089 min
Delta R.T.: 0.002 min
Response: 79699571
Conc: 19.32 ng/ml