

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL050825\
 Data File : PL095580.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 08 May 2025 09:36
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/09/2025
 Supervised By : mohammad ahmed 05/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 09 02:04:46 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL042325.M
 Quant Title : GC Extractables
 QLast Update : Wed Apr 23 16:23:18 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...	3.599	2.909	60885226	74072193	18.650	23.295
28) SA Decachlor...	9.124	8.091	54710519	64377403	19.745	21.755
Target Compounds						
2) A alpha-BHC	4.049	3.419	44754873	56486338	9.035	12.697 #
3) MA gamma-BHC...	4.379	3.753	43762659	54160666	9.244m	12.314 #
6) B beta-BHC	4.567	4.047	19798478	25451195	9.576	12.261 #
12) B 4,4'-DDE	6.238	5.404	447168	409781	0.114m	0.101m
14) MA Endrin	6.625	5.810	157.5E6	210.9E6	49.457	57.926
16) A 4,4'-DDD	6.753	5.952	6834928	9033317	2.414m	2.765
17) MA 4,4'-DDT	7.070	6.206	270.8E6	383.0E6	95.050	111.457
18) B Endrin al...	6.961	6.278	894201	2904138	0.385m	1.111m#
20) A Methoxychlor	7.541	6.777	298.9E6	440.6E6	214.250	230.972
21) B Endrin ke...	7.679	7.007	4463741	7286981	1.566m	2.069 #

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

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Acq On : 08 May 2025 09:36
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

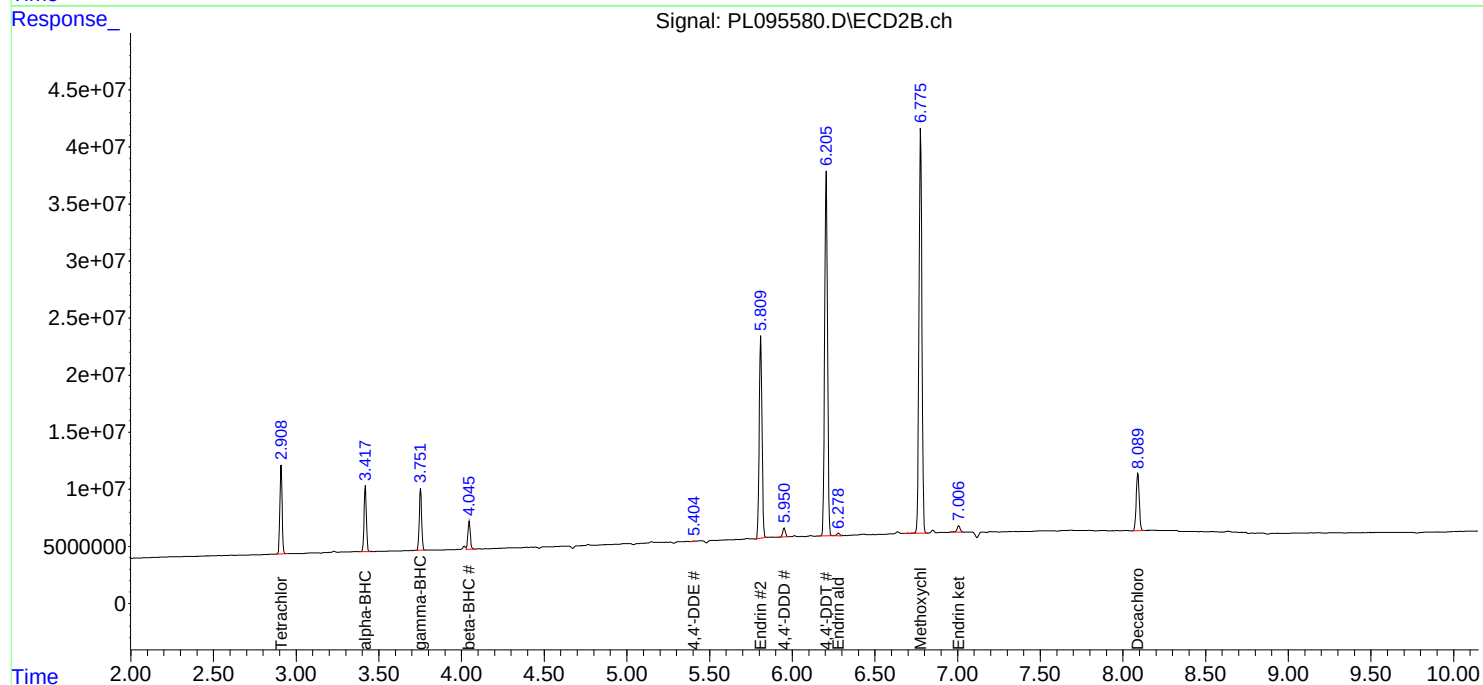
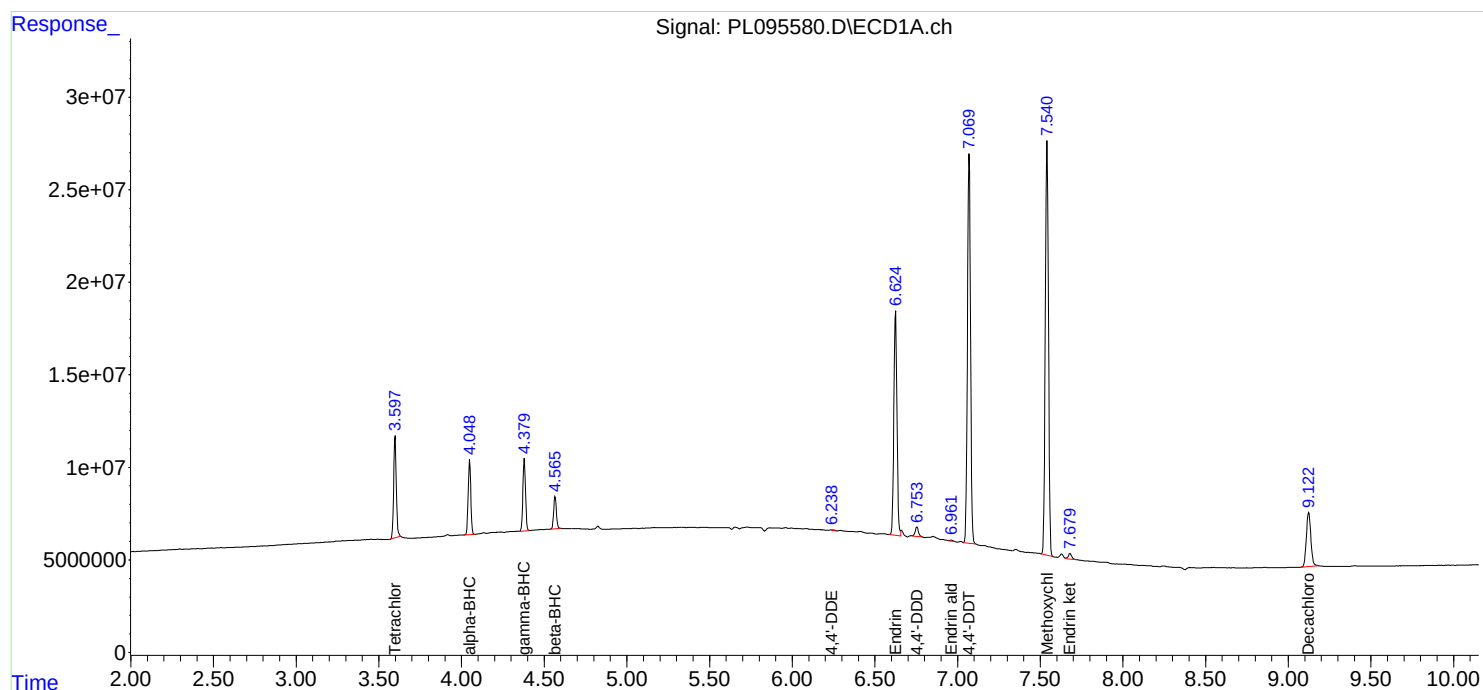
Instrument :
ECD_L
ClientSampleId :
PEM

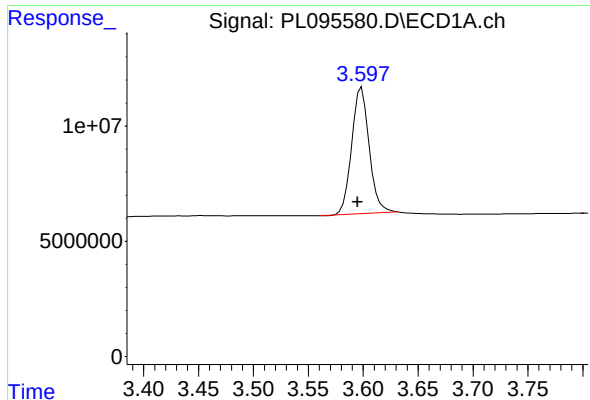
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Volume Inj. : 1 µl
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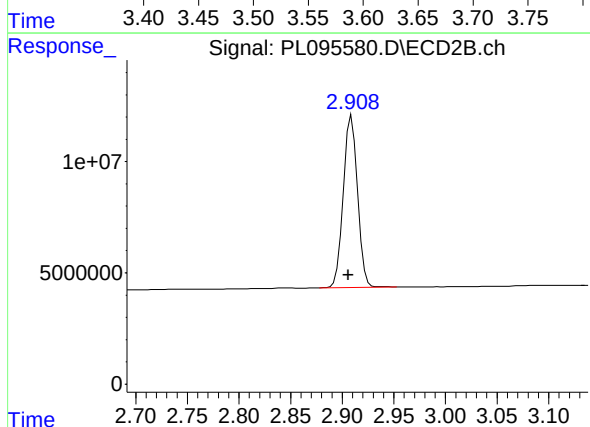
#1 Tetrachloro-m-xylene

R.T.: 3.599 min
Delta R.T.: 0.004 min
Response: 60885226
Conc: 18.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

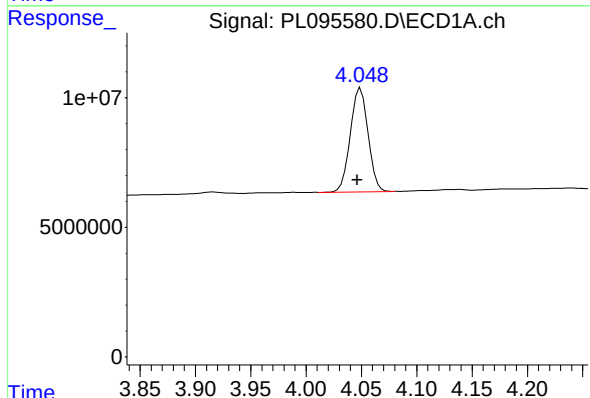
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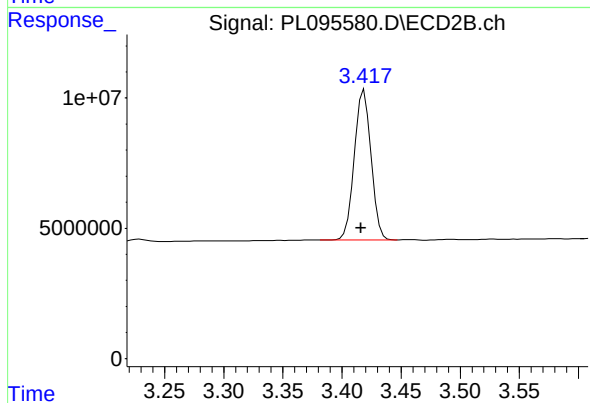
#1 Tetrachloro-m-xylene

R.T.: 2.909 min
Delta R.T.: 0.003 min
Response: 74072193
Conc: 23.29 ng/ml



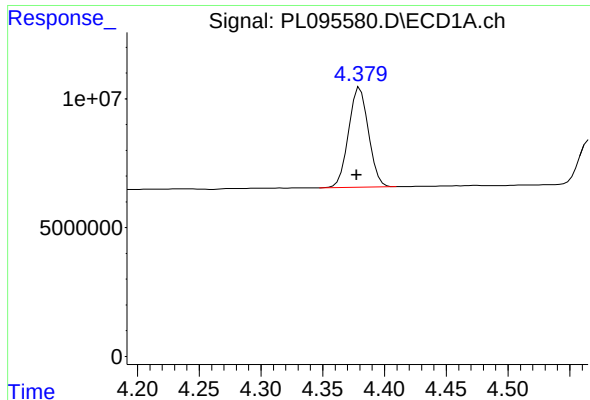
#2 alpha-BHC

R.T.: 4.049 min
Delta R.T.: 0.003 min
Response: 44754873
Conc: 9.03 ng/ml



#2 alpha-BHC

R.T.: 3.419 min
Delta R.T.: 0.003 min
Response: 56486338
Conc: 12.70 ng/ml



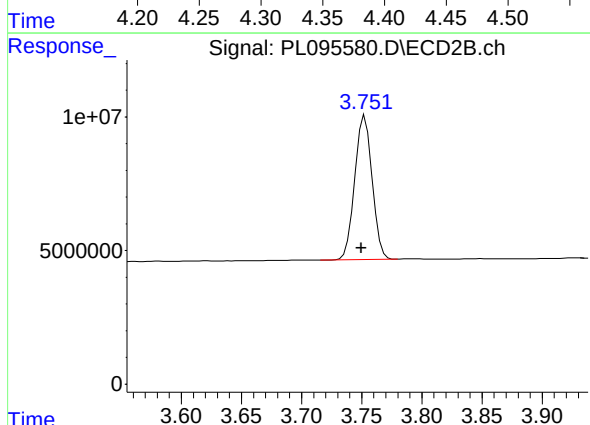
#3 gamma-BHC (Lindane)

R.T.: 4.379 min
Delta R.T.: 0.001 min
Response: 43762659
Conc: 9.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

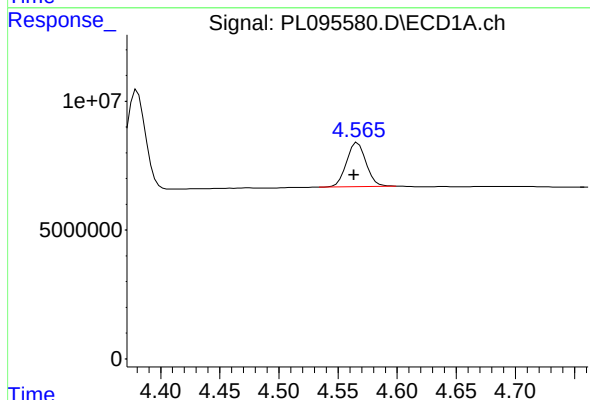
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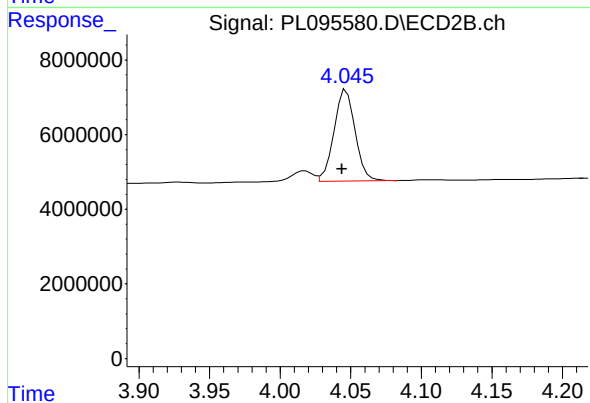
#3 gamma-BHC (Lindane)

R.T.: 3.753 min
Delta R.T.: 0.003 min
Response: 54160666
Conc: 12.31 ng/ml



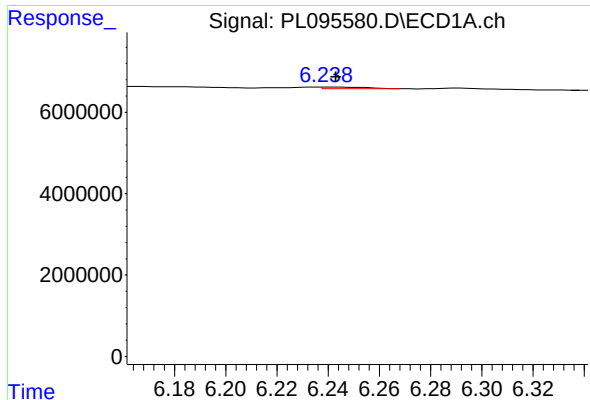
#6 beta-BHC

R.T.: 4.567 min
Delta R.T.: 0.003 min
Response: 19798478
Conc: 9.58 ng/ml



#6 beta-BHC

R.T.: 4.047 min
Delta R.T.: 0.003 min
Response: 25451195
Conc: 12.26 ng/ml



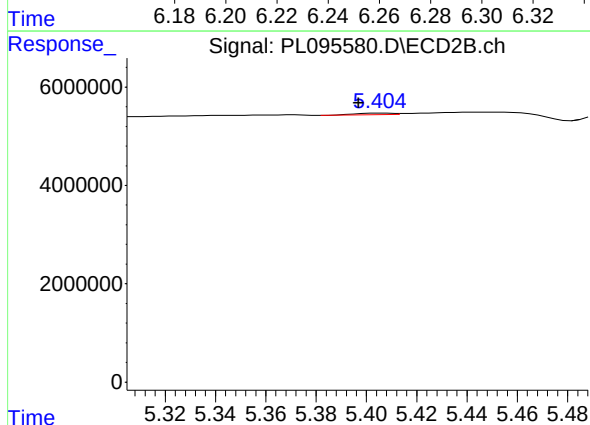
#12 4,4'-DDE

R.T.: 6.238 min
Delta R.T.: -0.005 min
Response: 447168
Conc: 0.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

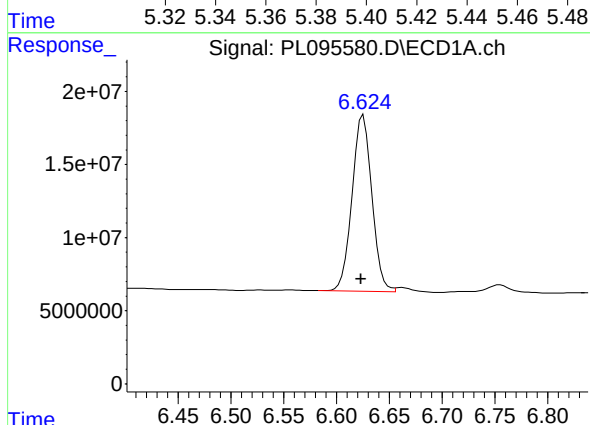
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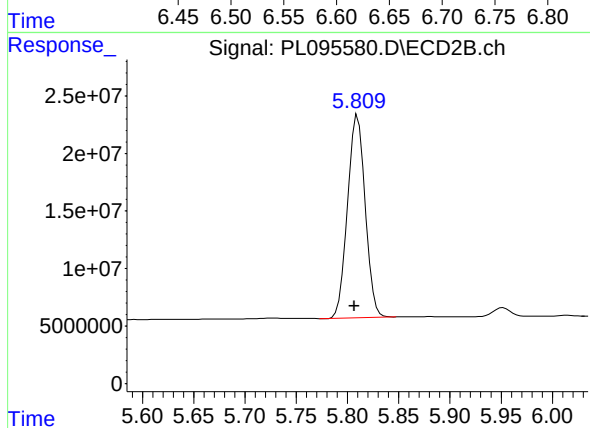
#12 4,4'-DDE

R.T.: 5.404 min
Delta R.T.: 0.007 min
Response: 409781
Conc: 0.10 ng/ml



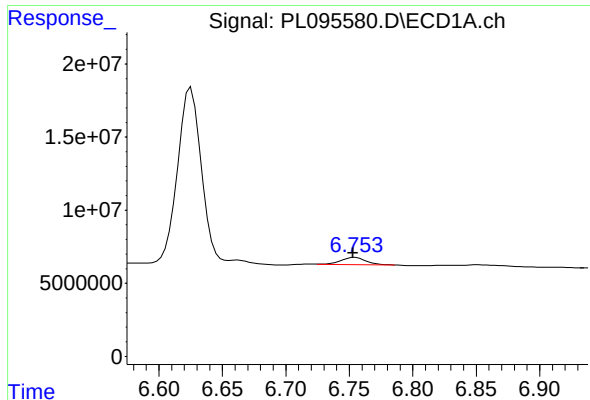
#14 Endrin

R.T.: 6.625 min
Delta R.T.: 0.002 min
Response: 157507783
Conc: 49.46 ng/ml



#14 Endrin

R.T.: 5.810 min
Delta R.T.: 0.003 min
Response: 210892476
Conc: 57.93 ng/ml



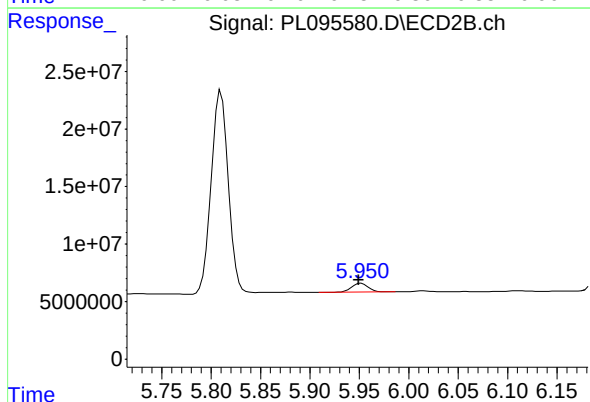
#16 4,4'-DDD

R.T.: 6.753 min
Delta R.T.: 0.000 min
Response: 6834928
Conc: 2.41 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

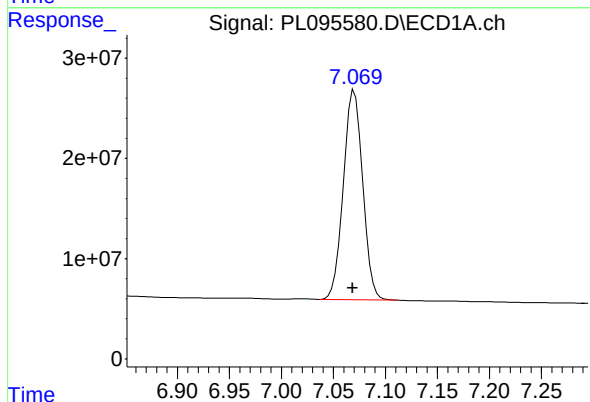
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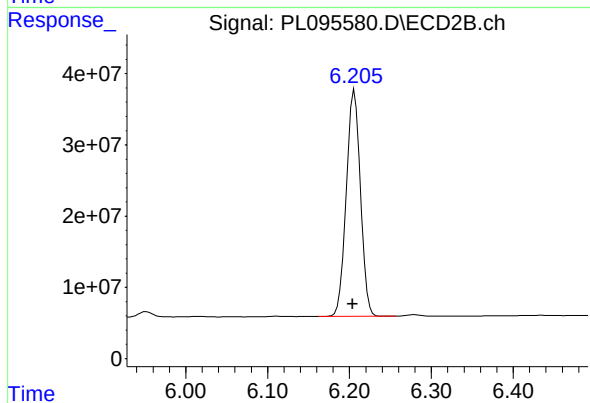
#16 4,4'-DDD

R.T.: 5.952 min
Delta R.T.: 0.002 min
Response: 9033317
Conc: 2.77 ng/ml



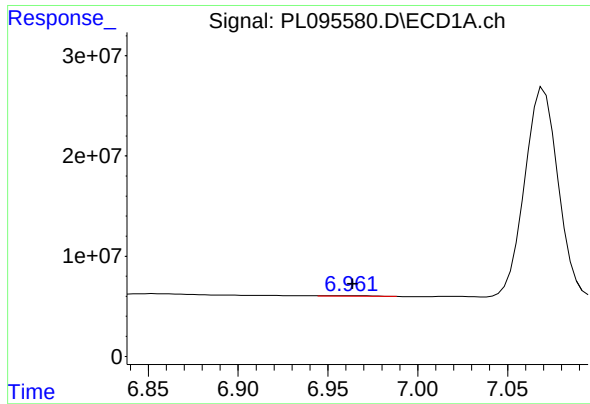
#17 4,4'-DDT

R.T.: 7.070 min
Delta R.T.: 0.001 min
Response: 270756104
Conc: 95.05 ng/ml



#17 4,4'-DDT

R.T.: 6.206 min
Delta R.T.: 0.002 min
Response: 382985131
Conc: 111.46 ng/ml



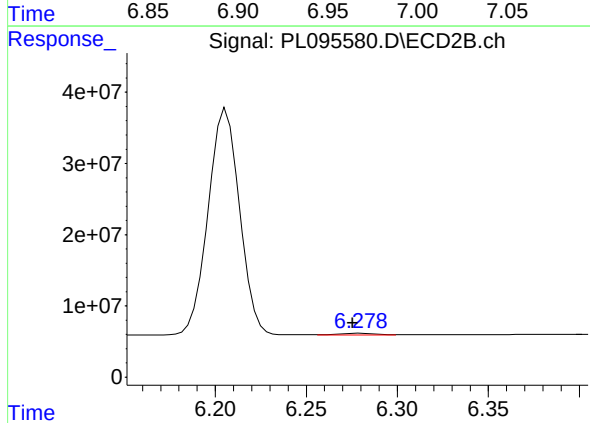
#18 Endrin aldehyde

R.T.: 6.961 min
Delta R.T.: -0.002 min
Response: 894201
Conc: 0.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

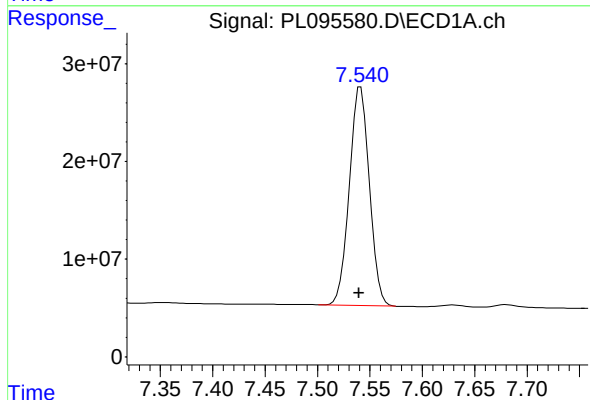
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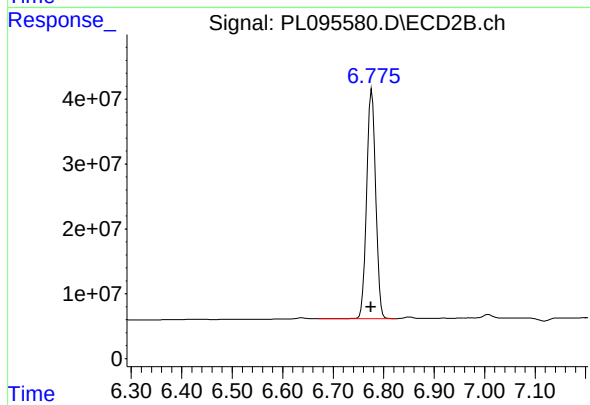
#18 Endrin aldehyde

R.T.: 6.278 min
Delta R.T.: 0.003 min
Response: 2904138
Conc: 1.11 ng/ml



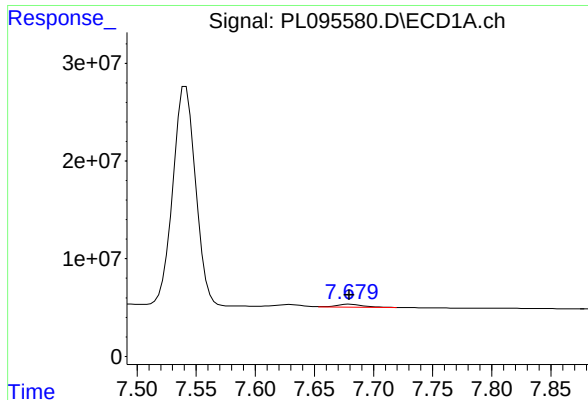
#20 Methoxychlor

R.T.: 7.541 min
Delta R.T.: 0.002 min
Response: 298907041
Conc: 214.25 ng/ml



#20 Methoxychlor

R.T.: 6.777 min
Delta R.T.: 0.002 min
Response: 440561629
Conc: 230.97 ng/ml



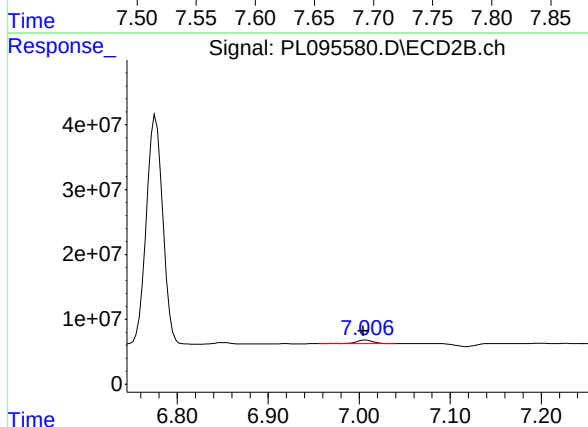
#21 Endrin ketone

R.T.: 7.679 min
Delta R.T.: 0.000 min
Response: 4463741
Conc: 1.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

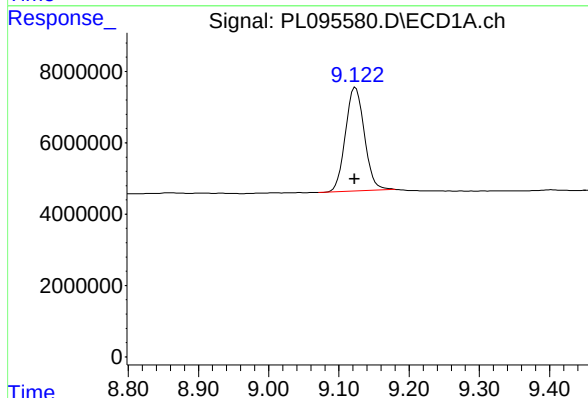
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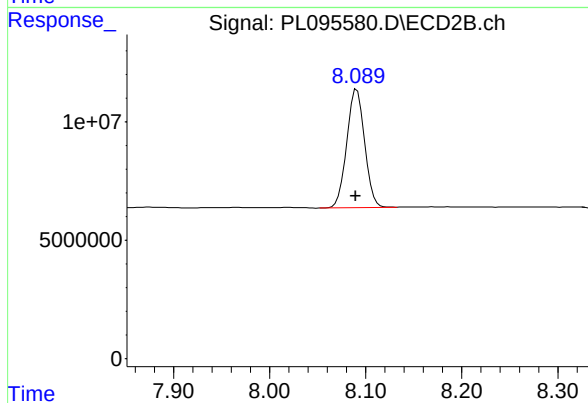
#21 Endrin ketone

R.T.: 7.007 min
Delta R.T.: 0.003 min
Response: 7286981
Conc: 2.07 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.124 min
Delta R.T.: 0.001 min
Response: 54710519
Conc: 19.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.091 min
Delta R.T.: 0.001 min
Response: 64377403
Conc: 21.75 ng/ml