

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061725\
 Data File : PL096077.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Jun 2025 17:11
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/18/2025
 Supervised By :mohammad ahmed 06/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 18 06:28:47 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...	3.570	2.881	75340372	96788054	20.704	20.407
28) SA Decachlor...	9.112	8.064	62822760	129.3E6	21.939	21.447
Target Compounds						
2) A alpha-BHC	4.021	3.390	56497339	69374922	9.975	9.642
3) MA gamma-BHC...	4.353	3.723	54156378	67082035	10.235	9.790
6) B beta-BHC	4.540	4.019	23677914	30993767	10.502	10.230
14) MA Endrin	6.598	5.777	194.8E6	305.7E6	51.239	51.510
16) A 4,4'-DDD	6.729	5.921	2817795	4619433	0.808m	0.840m
17) MA 4,4'-DDT	7.047	6.176	348.4E6	618.8E6	99.770	103.135
18) B Endrin al...	6.941	6.247	583384	4025887	0.205m	0.897m#
20) A Methoxychlor	7.521	6.749	409.7E6	736.5E6	230.110	224.514
21) B Endrin ke...	7.655	6.978	2911975	5209878	0.748m	0.785

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

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Acq On : 17 Jun 2025 17:11
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

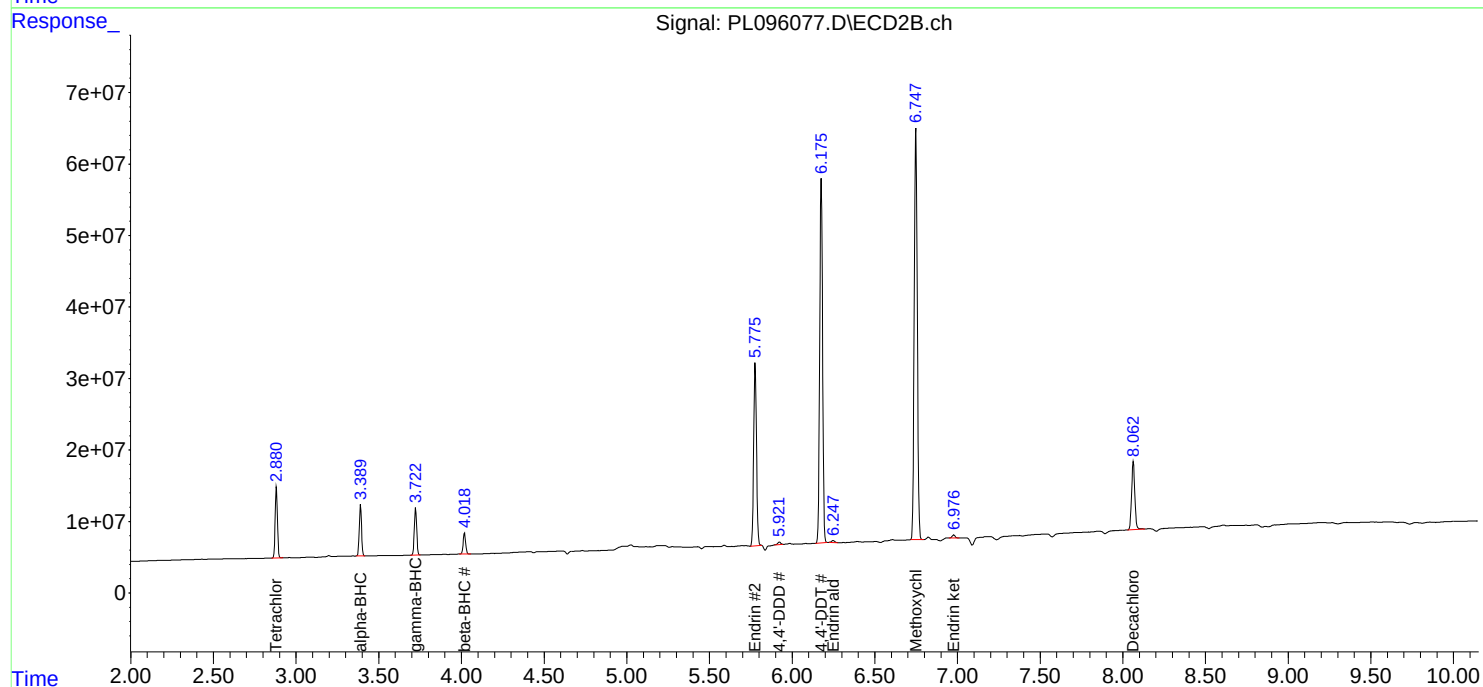
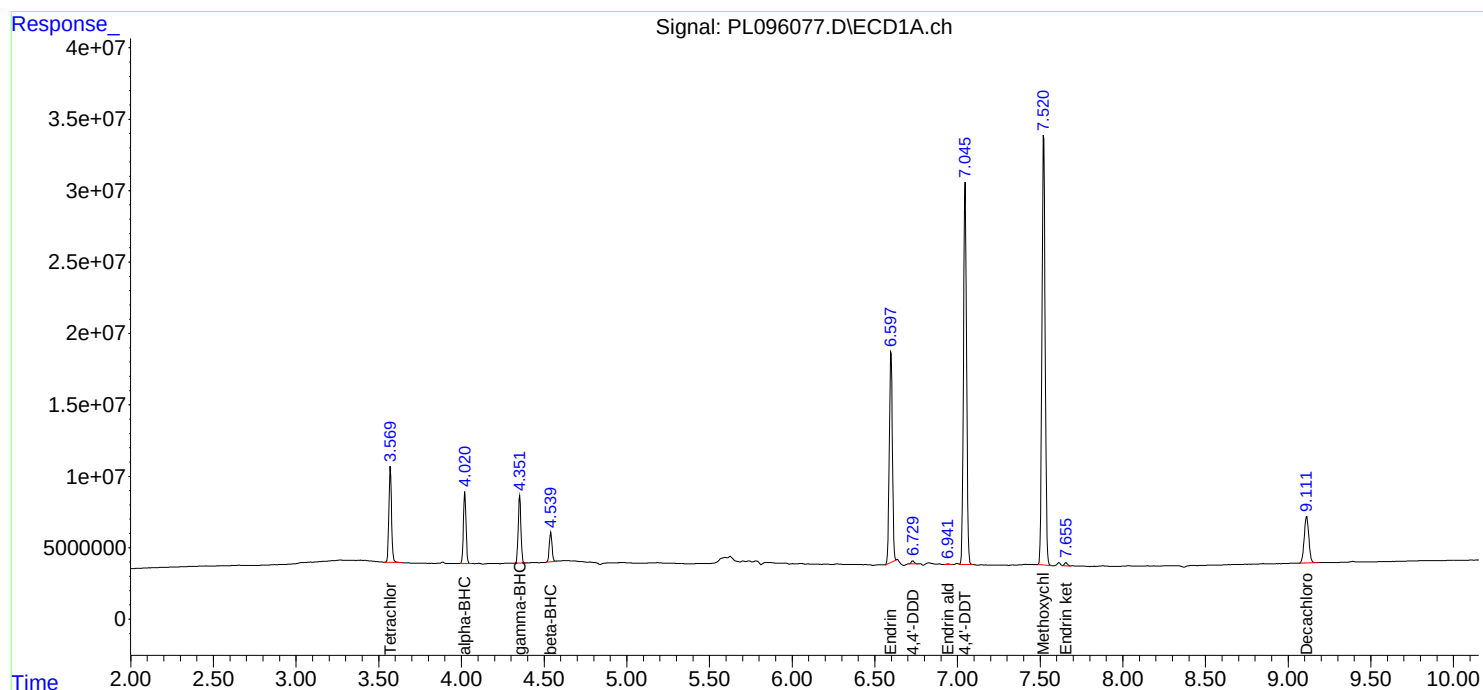
Instrument :
ECD_L
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PEM

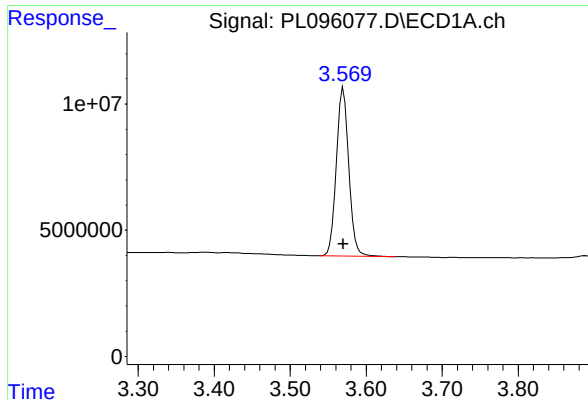
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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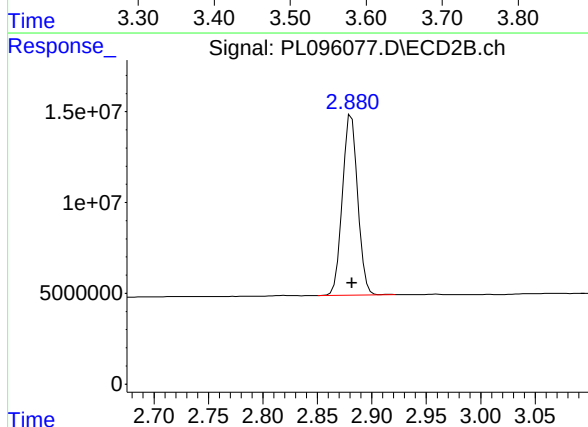
#1 Tetrachloro-m-xylene

R.T.: 3.570 min
Delta R.T.: 0.000 min
Response: 75340372
Conc: 20.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

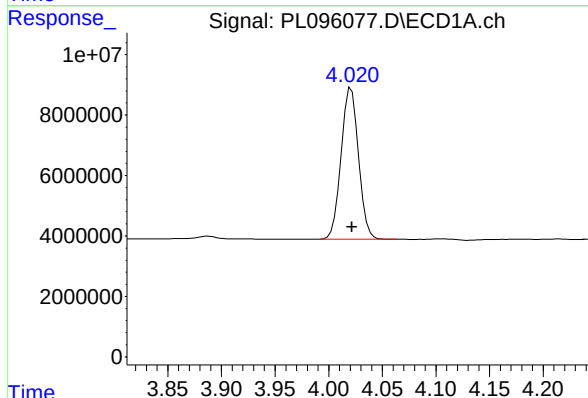
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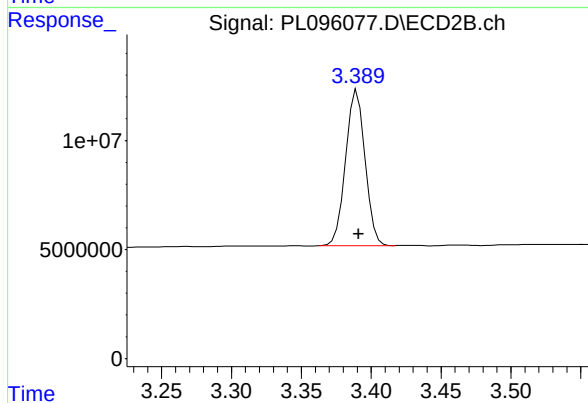
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 96788054
Conc: 20.41 ng/ml



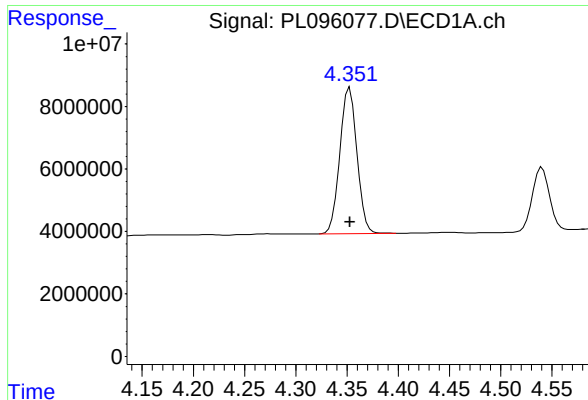
#2 alpha-BHC

R.T.: 4.021 min
Delta R.T.: 0.000 min
Response: 56497339
Conc: 9.97 ng/ml



#2 alpha-BHC

R.T.: 3.390 min
Delta R.T.: 0.000 min
Response: 69374922
Conc: 9.64 ng/ml



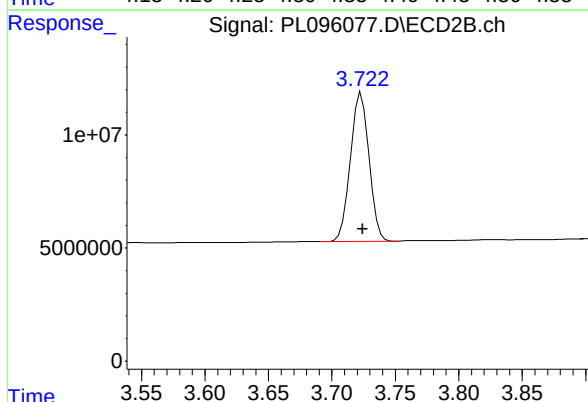
#3 gamma-BHC (Lindane)

R.T.: 4.353 min
Delta R.T.: 0.000 min
Response: 54156378
Conc: 10.23 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

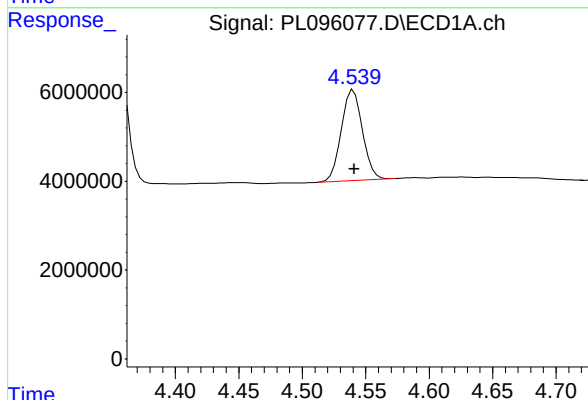
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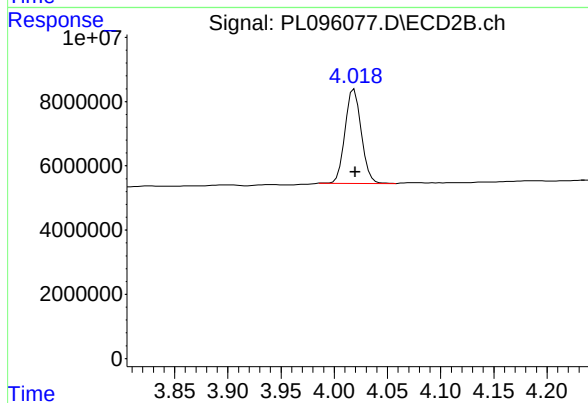
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 67082035
Conc: 9.79 ng/ml



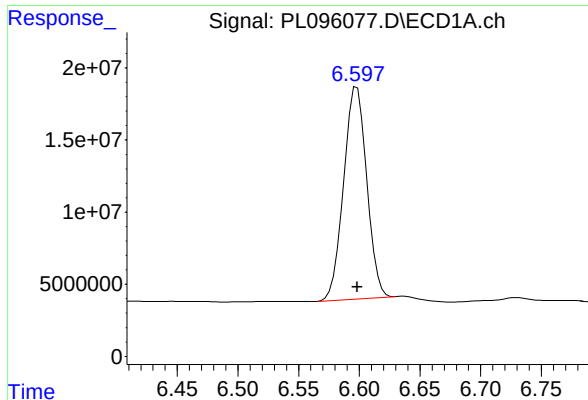
#6 beta-BHC

R.T.: 4.540 min
Delta R.T.: 0.000 min
Response: 23677914
Conc: 10.50 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 30993767
Conc: 10.23 ng/ml



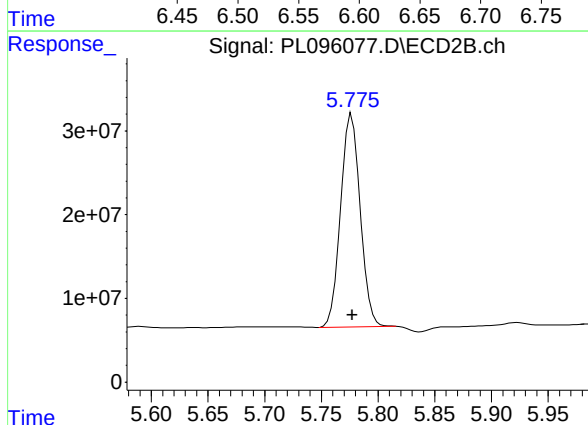
#14 Endrin

R.T.: 6.598 min
Delta R.T.: 0.000 min
Response: 194758999
Conc: 51.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

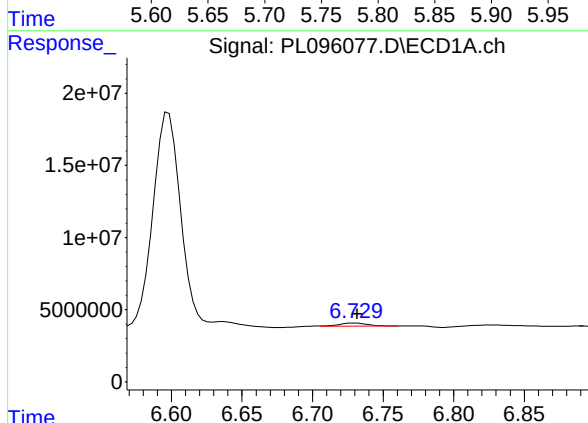
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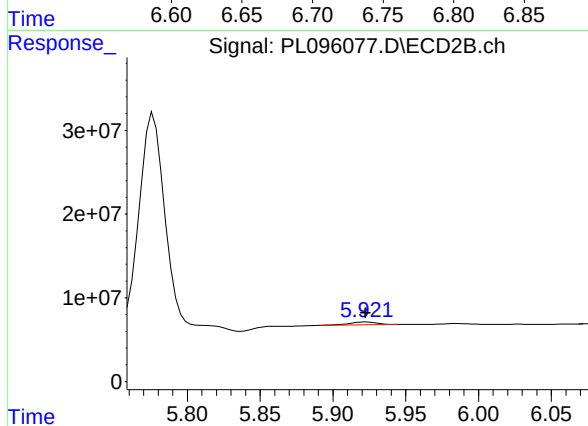
#14 Endrin

R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 305720458
Conc: 51.51 ng/ml



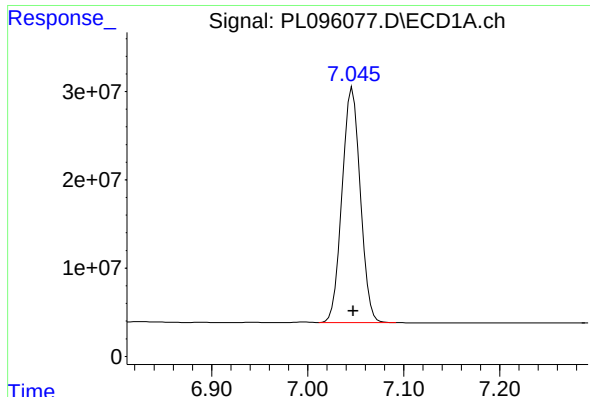
#16 4,4'-DDD

R.T.: 6.729 min
Delta R.T.: -0.003 min
Response: 2817795
Conc: 0.81 ng/ml m



#16 4,4'-DDD

R.T.: 5.921 min
Delta R.T.: 0.000 min
Response: 4619433
Conc: 0.84 ng/ml m



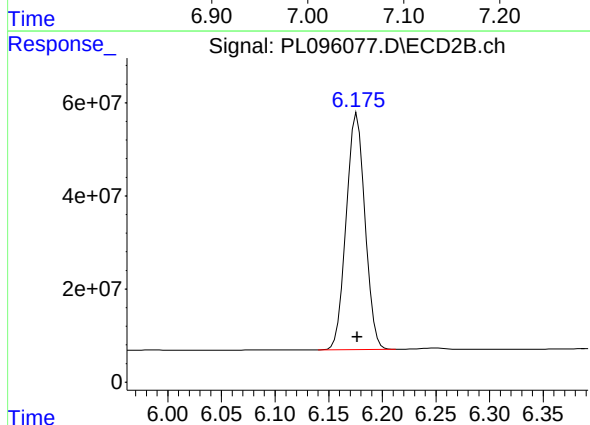
#17 4,4'-DDT

R.T.: 7.047 min
Delta R.T.: 0.000 min
Response: 348421542
Conc: 99.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

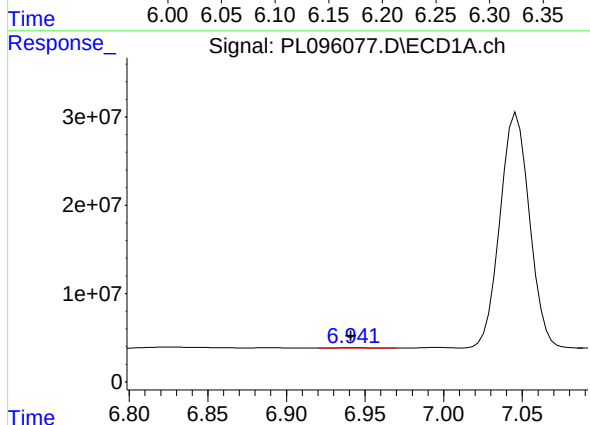
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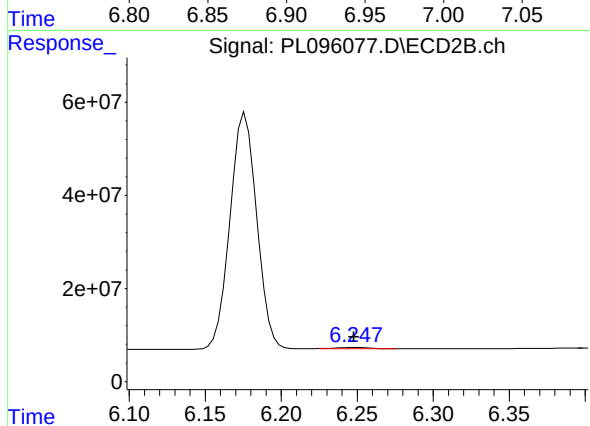
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: 0.000 min
Response: 618813361
Conc: 103.13 ng/ml



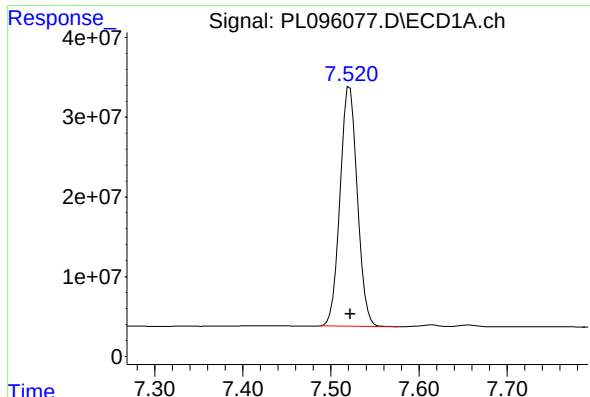
#18 Endrin aldehyde

R.T.: 6.941 min
Delta R.T.: 0.000 min
Response: 583384
Conc: 0.21 ng/ml m



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: 0.000 min
Response: 4025887
Conc: 0.90 ng/ml m



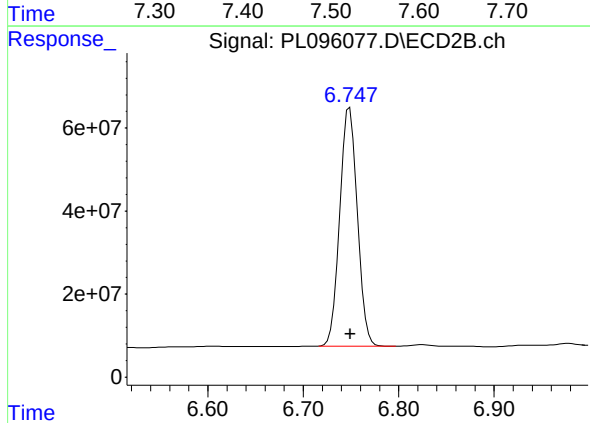
#20 Methoxychlor

R.T.: 7.521 min
Delta R.T.: 0.000 min
Response: 409714746
Conc: 230.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

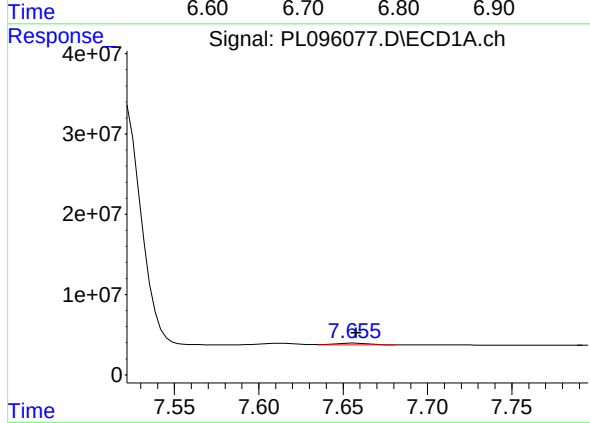
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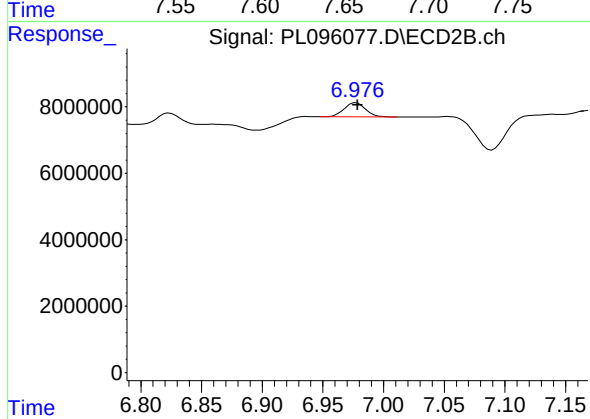
#20 Methoxychlor

R.T.: 6.749 min
Delta R.T.: 0.000 min
Response: 736517862
Conc: 224.51 ng/ml



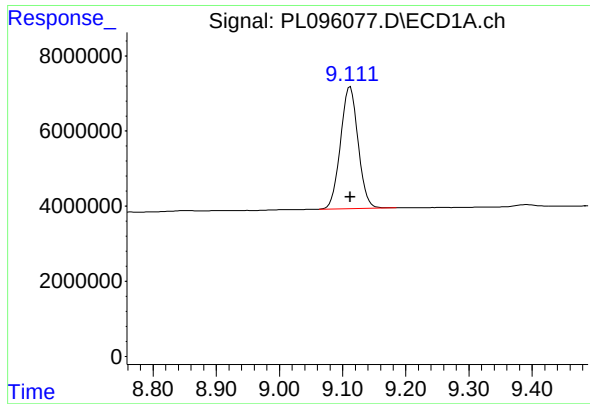
#21 Endrin ketone

R.T.: 7.655 min
Delta R.T.: -0.003 min
Response: 2911975
Conc: 0.75 ng/ml m



#21 Endrin ketone

R.T.: 6.978 min
Delta R.T.: -0.001 min
Response: 5209878
Conc: 0.79 ng/ml



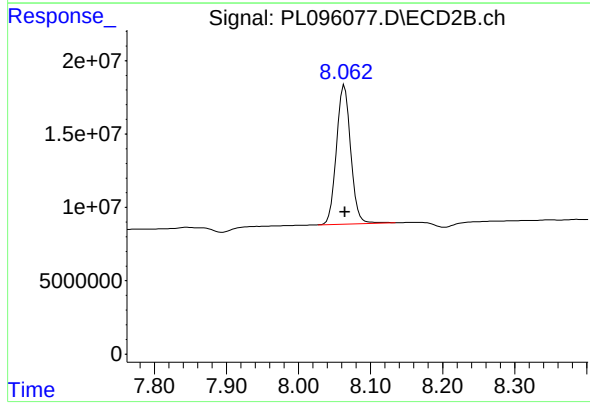
#28 Decachlorobiphenyl

R.T.: 9.112 min
Delta R.T.: 0.000 min
Response: 62822760
Conc: 21.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.064 min
Delta R.T.: 0.000 min
Response: 129272914
Conc: 21.45 ng/ml