

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071625\
 Data File : PL096393.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Jul 2025 13:04
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/17/2025
 Supervised By :mohammad ahmed 07/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 16 14:07:50 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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...	3.536	2.828	76956193	101.7E6	21.090	17.620
28)	SA Decachlor...	9.019	7.994	55812807	88069547	19.841	17.662
Target Compounds							
2)	A alpha-BHC	3.984	3.334	53335084	73550670	10.370	8.720
3)	MA gamma-BHC...	4.312	3.666	53041500	69730905	10.652	8.854
6)	B beta-BHC	4.499	3.962	22736080	32034220	10.937	9.356
14)	MA Endrin	6.545	5.711	171.4E6	278.9E6	55.102	45.750
16)	A 4,4'-DDD	6.678	5.858	4974921	2366425	1.709m	0.461m#
17)	MA 4,4'-DDT	6.992	6.111	314.1E6	539.9E6	103.471	94.134
18)	B Endrin al...	6.889	6.183	2013446	9372658	0.901m	2.104 #
20)	A Methoxychlor	7.463	6.684	387.5E6	637.2E6	245.958m	209.767
21)	B Endrin ke...	7.599	6.907	4574571	3790514	1.386m	0.606m#

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

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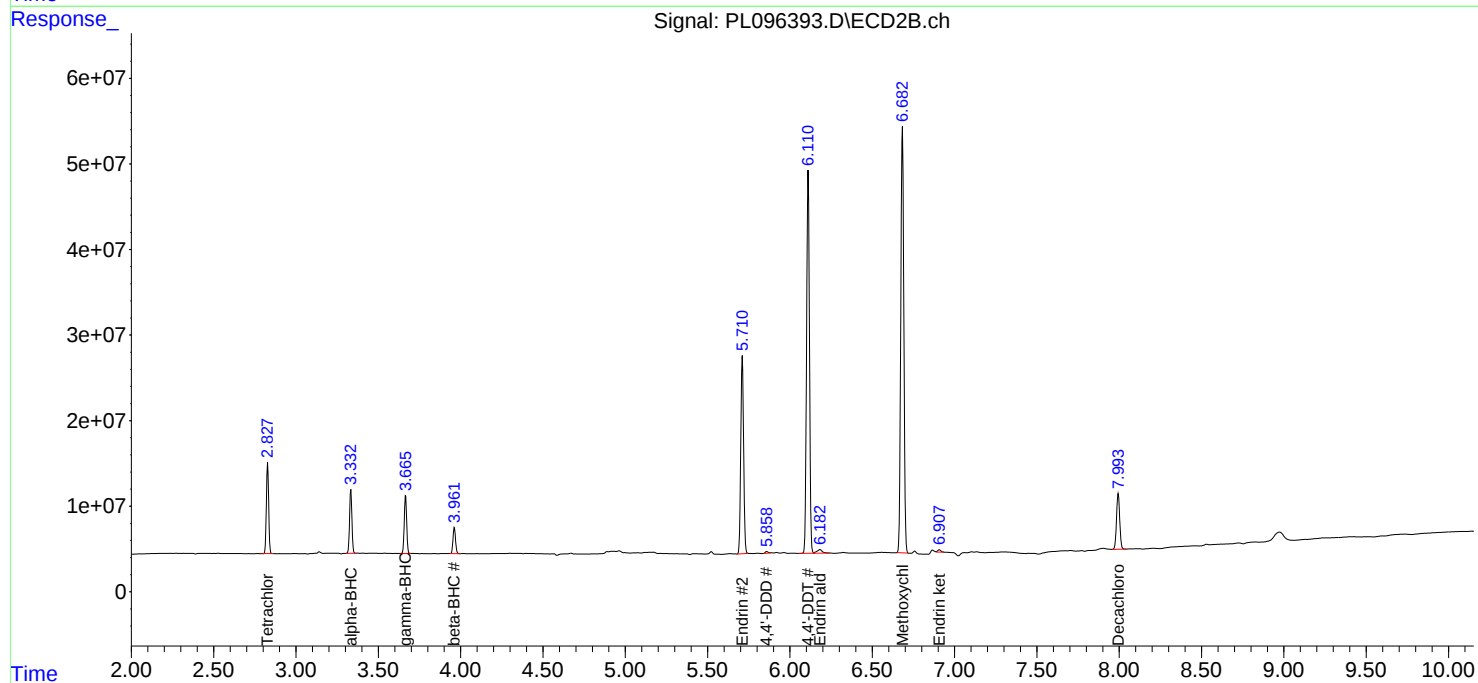
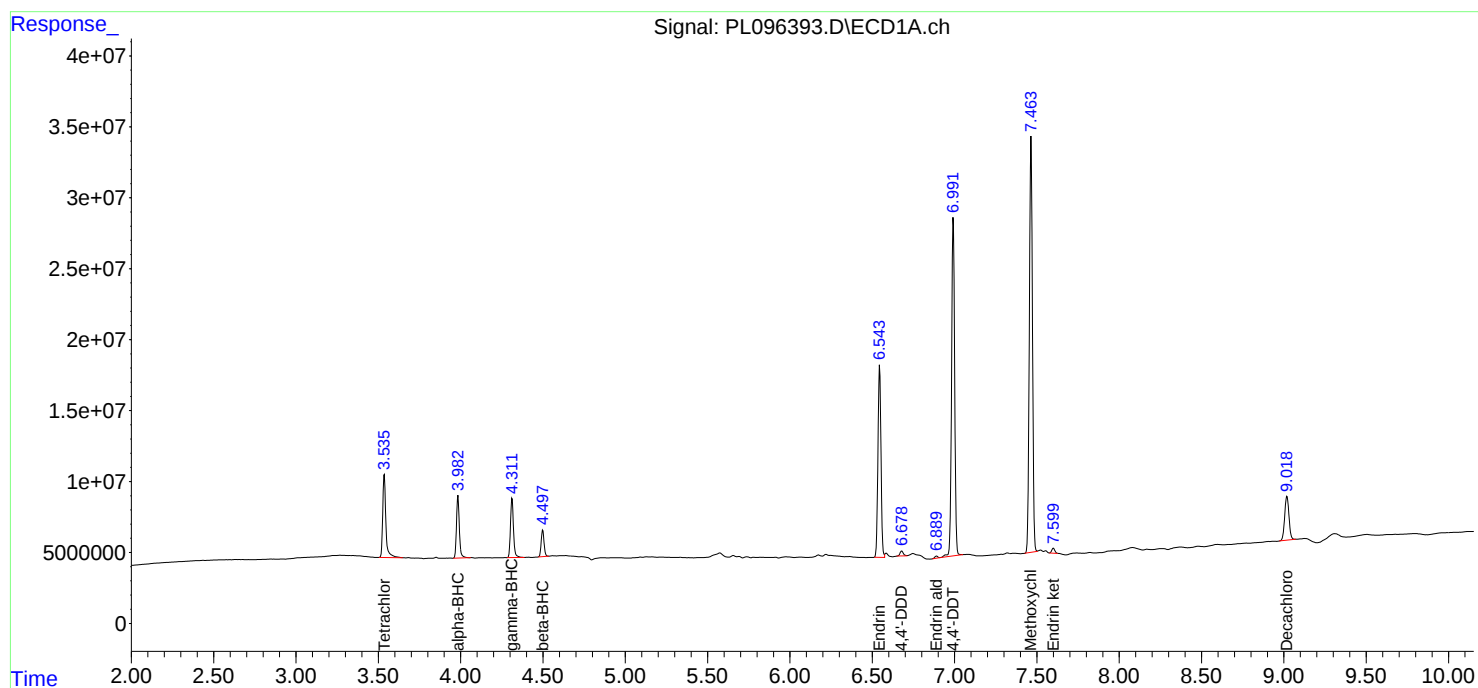
Instrument :
ECD_L
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PEM

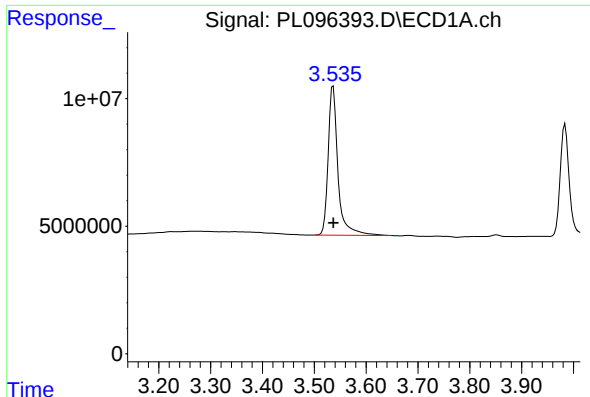
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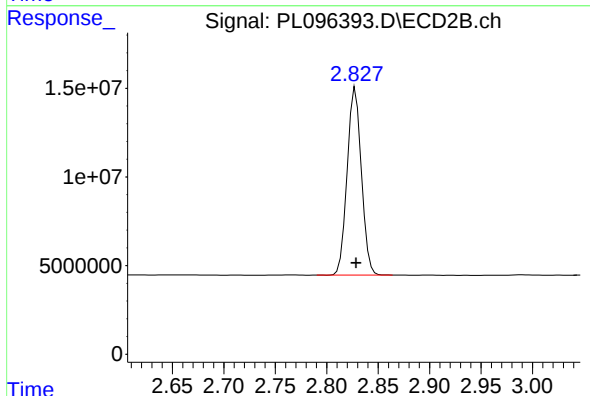
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: 0.000 min
Response: 76956193
Conc: 21.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

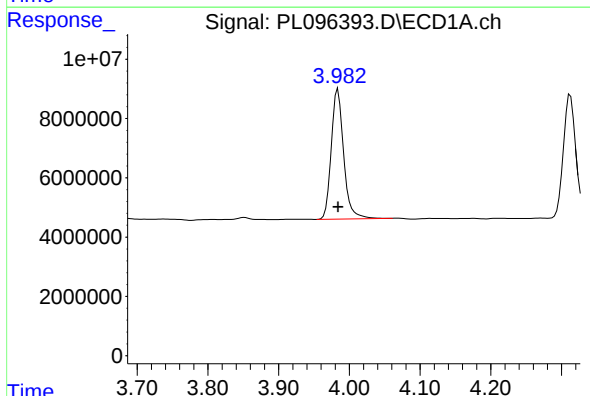
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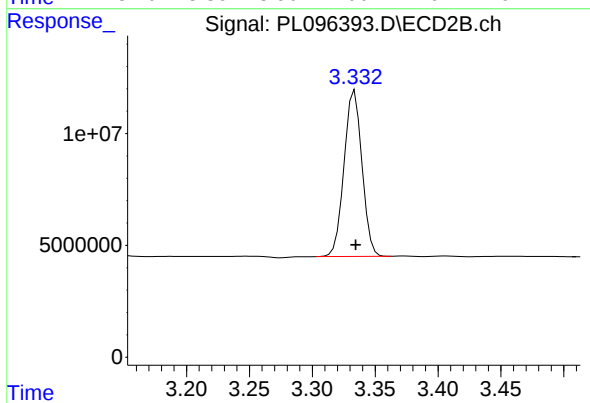
#1 Tetrachloro-m-xylene

R.T.: 2.828 min
Delta R.T.: 0.000 min
Response: 101688829
Conc: 17.62 ng/ml



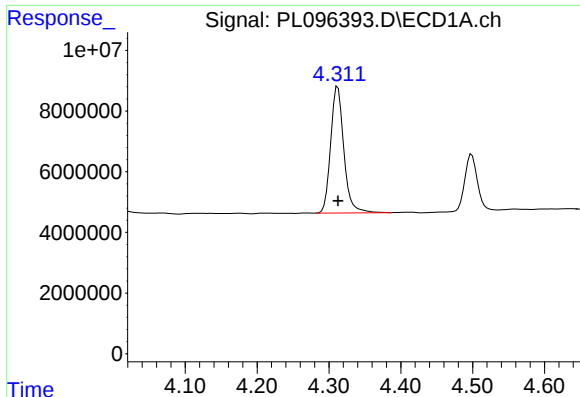
#2 alpha-BHC

R.T.: 3.984 min
Delta R.T.: 0.000 min
Response: 53335084
Conc: 10.37 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 73550670
Conc: 8.72 ng/ml



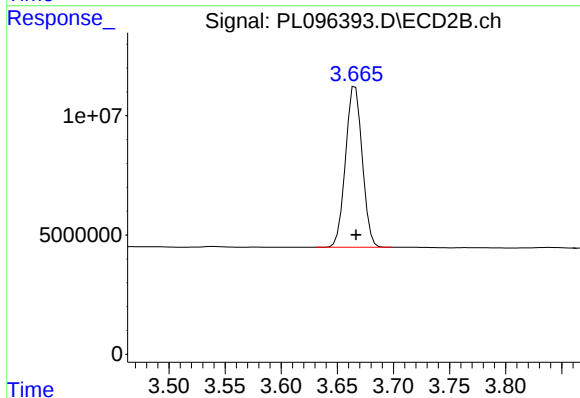
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: 0.000 min
Response: 53041500
Conc: 10.65 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

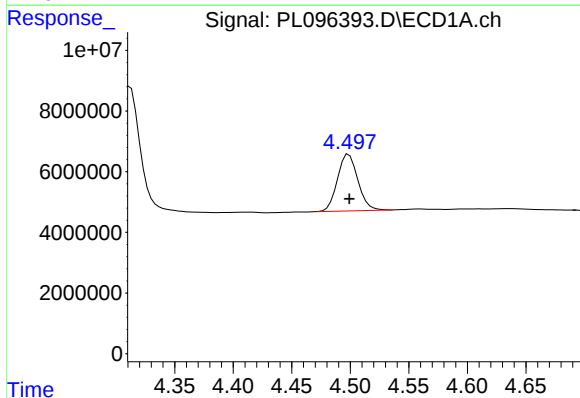
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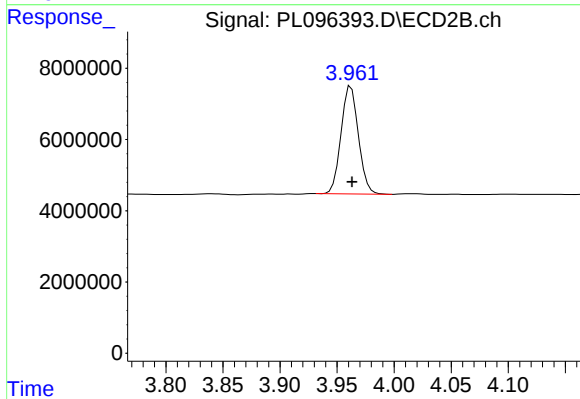
#3 gamma-BHC (Lindane)

R.T.: 3.666 min
Delta R.T.: 0.000 min
Response: 69730905
Conc: 8.85 ng/ml



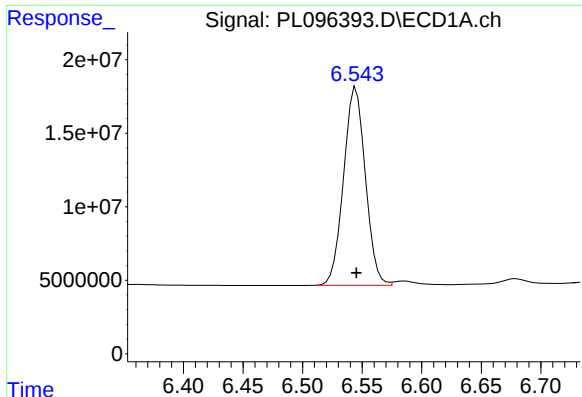
#6 beta-BHC

R.T.: 4.499 min
Delta R.T.: 0.000 min
Response: 22736080
Conc: 10.94 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: 0.000 min
Response: 32034220
Conc: 9.36 ng/ml



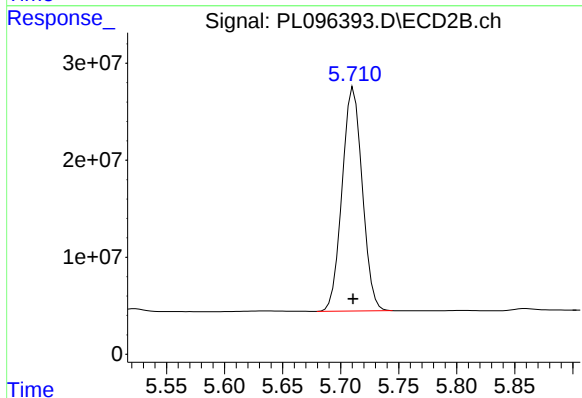
#14 Endrin

R.T.: 6.545 min
Delta R.T.: 0.000 min
Response: 171377420
Conc: 55.10 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

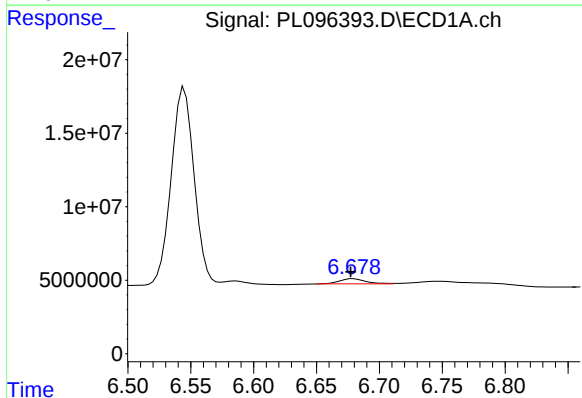
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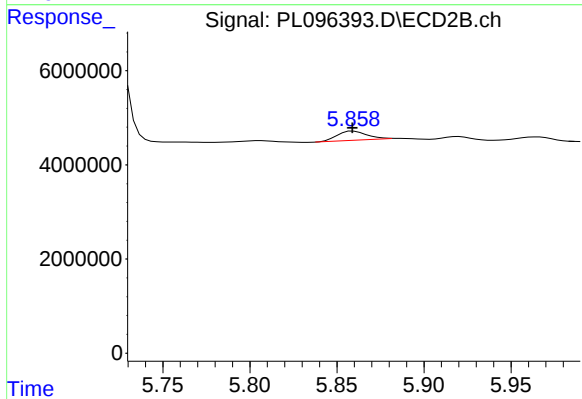
#14 Endrin

R.T.: 5.711 min
Delta R.T.: 0.000 min
Response: 278916263
Conc: 45.75 ng/ml



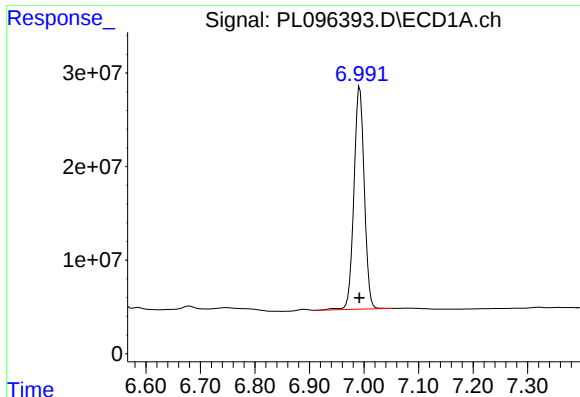
#16 4,4'-DDD

R.T.: 6.678 min
Delta R.T.: 0.000 min
Response: 4974921
Conc: 1.71 ng/ml m



#16 4,4'-DDD

R.T.: 5.858 min
Delta R.T.: 0.000 min
Response: 2366425
Conc: 0.46 ng/ml m



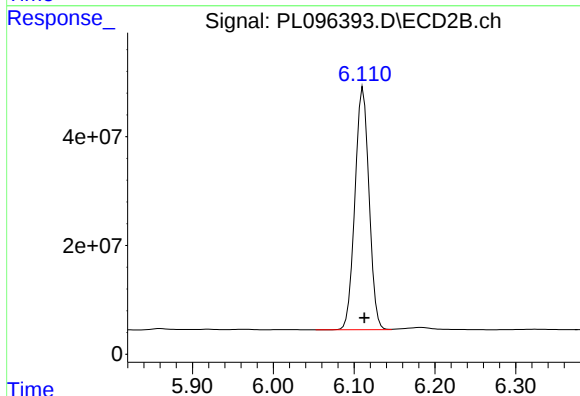
#17 4,4'-DDT

R.T.: 6.992 min
Delta R.T.: 0.000 min
Response: 314056044
Conc: 103.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

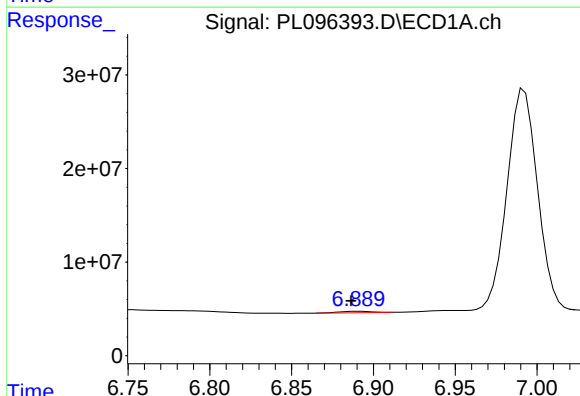
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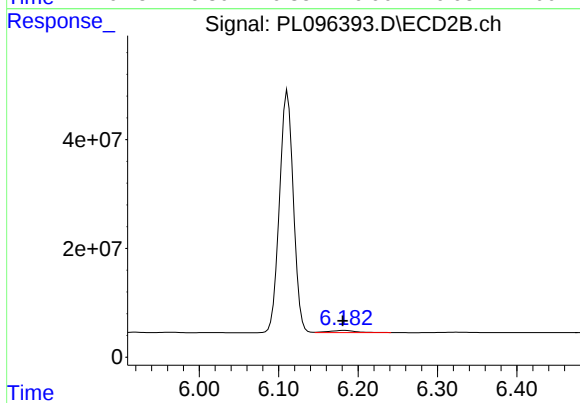
#17 4,4'-DDT

R.T.: 6.111 min
Delta R.T.: -0.001 min
Response: 539872597
Conc: 94.13 ng/ml



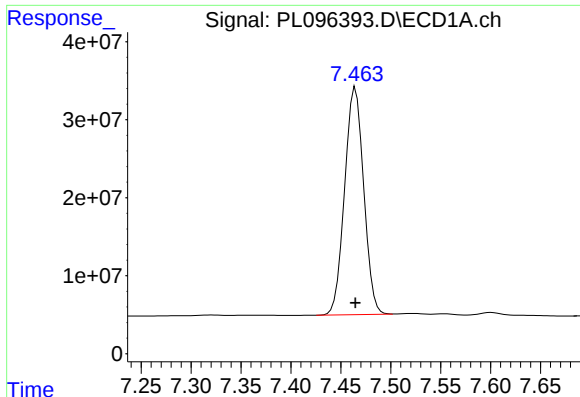
#18 Endrin aldehyde

R.T.: 6.889 min
Delta R.T.: 0.003 min
Response: 2013446
Conc: 0.90 ng/ml m



#18 Endrin aldehyde

R.T.: 6.183 min
Delta R.T.: 0.002 min
Response: 9372658
Conc: 2.10 ng/ml



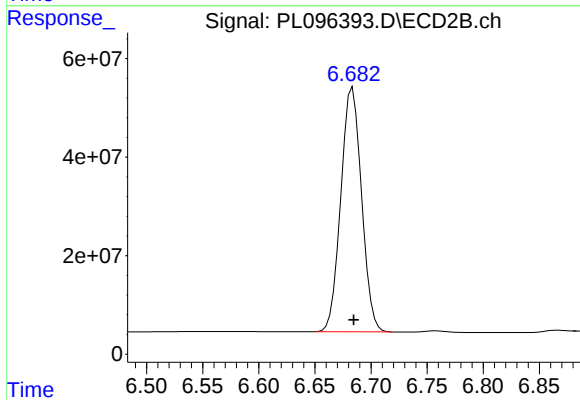
#20 Methoxychlor

R.T.: 7.463 min
Delta R.T.: -0.001 min
Response: 387482232
Conc: 245.96 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

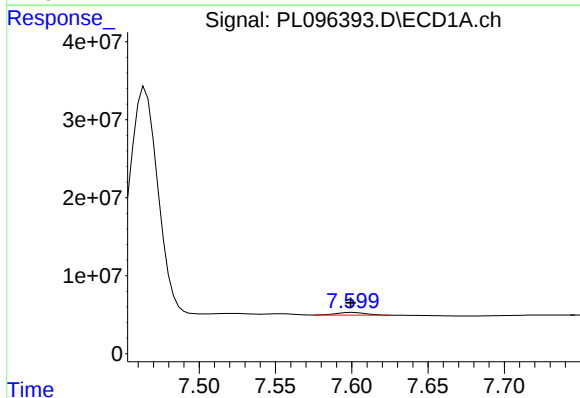
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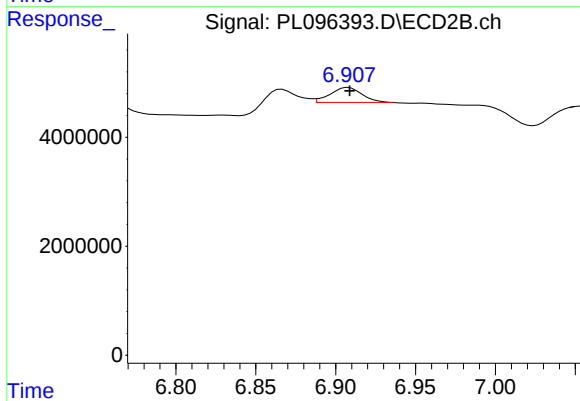
#20 Methoxychlor

R.T.: 6.684 min
Delta R.T.: -0.001 min
Response: 637226069
Conc: 209.77 ng/ml



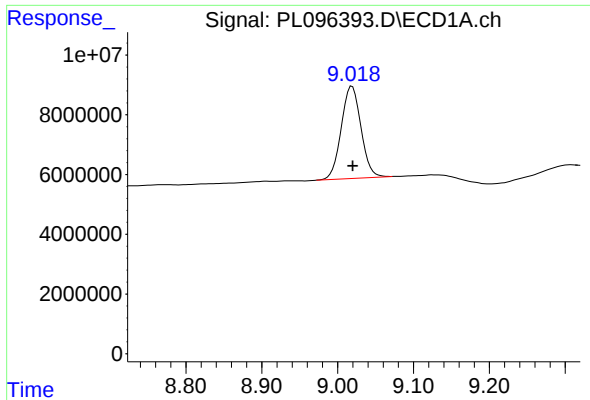
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 4574571
Conc: 1.39 ng/ml m



#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 3790514
Conc: 0.61 ng/ml m



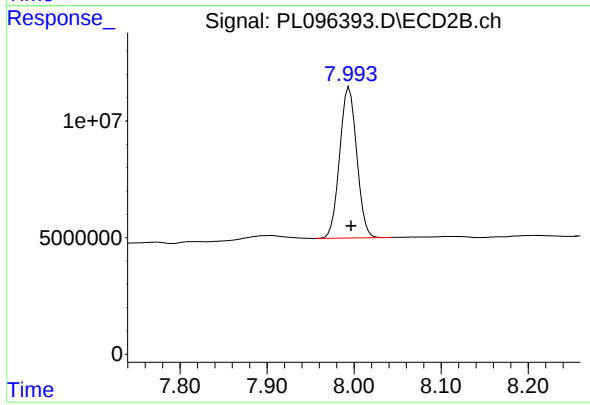
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 55812807
Conc: 19.84 ng/ml

Instrument :
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ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 88069547
Conc: 17.66 ng/ml