

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096882.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 10:28
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/20/2025
 Supervised By :mohammad ahmed 08/21/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 20 10:02:28 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 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...	3.530	2.823	72004281	108.8E6	22.637	22.779
28)	SA Decachlor...	9.008	7.985	54884245	98327059	23.016	22.665m
Target Compounds							
2)	A alpha-BHC	3.977	3.328	50457866	77149679	10.907	10.901
3)	MA gamma-BHC...	4.305	3.660	50379247	72520097	11.389	10.982
6)	B beta-BHC	4.492	3.957	19755272	33196244	10.945	11.768
14)	MA Endrin	6.535	5.704	179.4E6	306.1E6	59.261m	56.622
16)	A 4,4'-DDD	6.673	5.853	3218621	657129	1.273m	0.140m#
17)	MA 4,4'-DDT	6.984	6.104	335.1E6	617.5E6	116.840	122.074
18)	B Endrin al...	6.888	6.176	1613798	2323213	0.752m	0.639m
20)	A Methoxychlor	7.457	6.675	414.2E6	705.7E6	282.053	257.506m
21)	B Endrin ke...	7.590	6.900	1676714	2051681	0.558m	0.368m#

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

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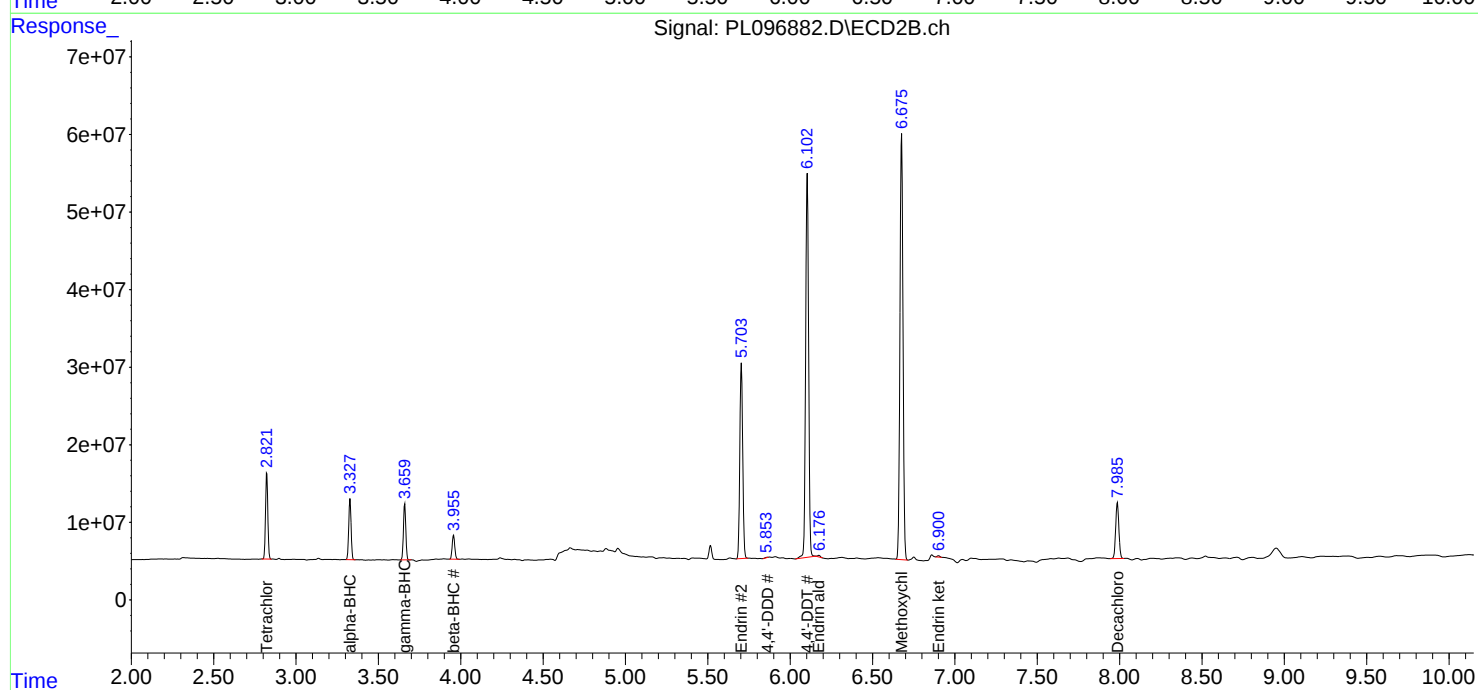
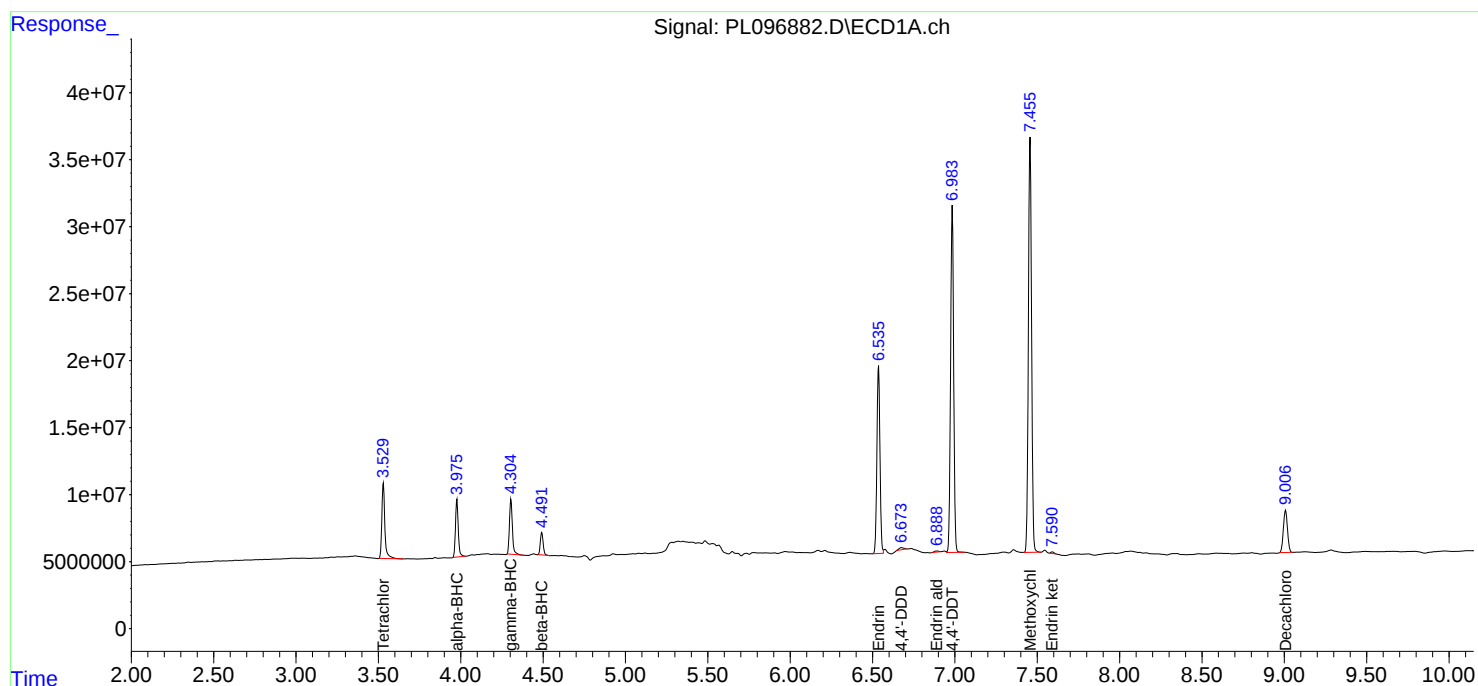
Instrument :
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ClientSampleId :
PEM

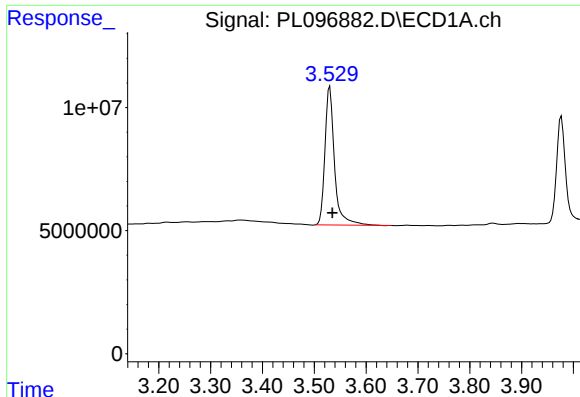
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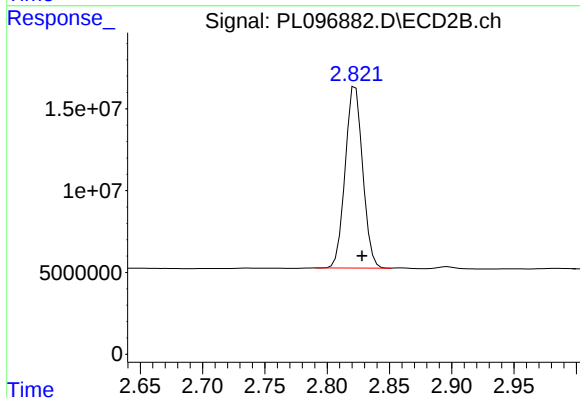
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 72004281
Conc: 22.64 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

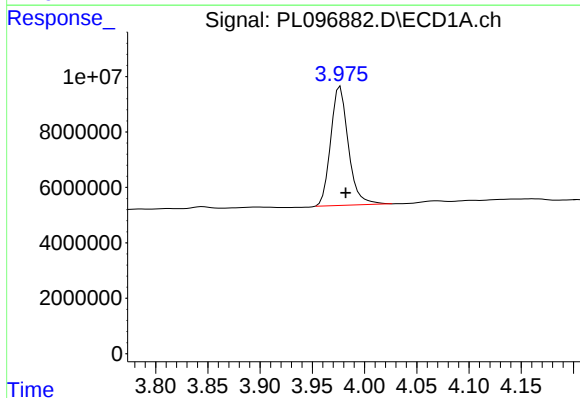
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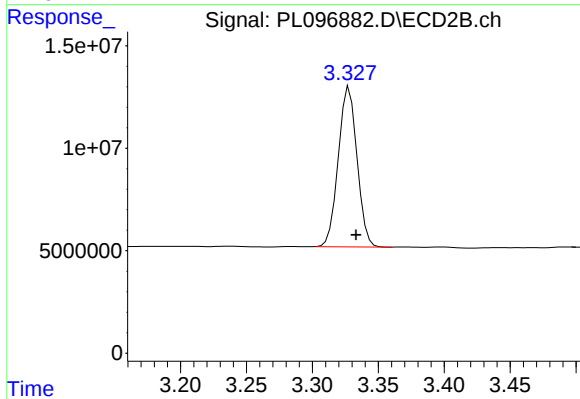
#1 Tetrachloro-m-xylene

R.T.: 2.823 min
Delta R.T.: -0.005 min
Response: 108833510
Conc: 22.78 ng/ml



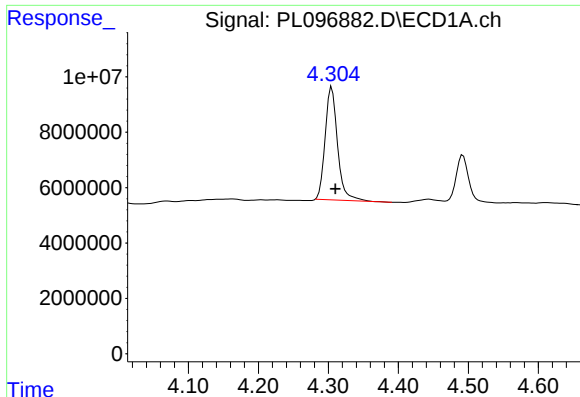
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 50457866
Conc: 10.91 ng/ml



#2 alpha-BHC

R.T.: 3.328 min
Delta R.T.: -0.005 min
Response: 77149679
Conc: 10.90 ng/ml



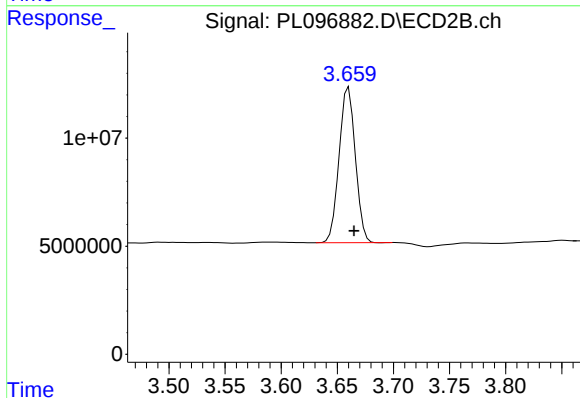
#3 gamma-BHC (Lindane)

R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 50379247
Conc: 11.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

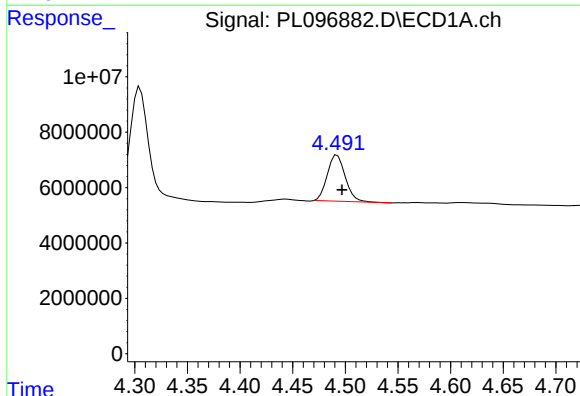
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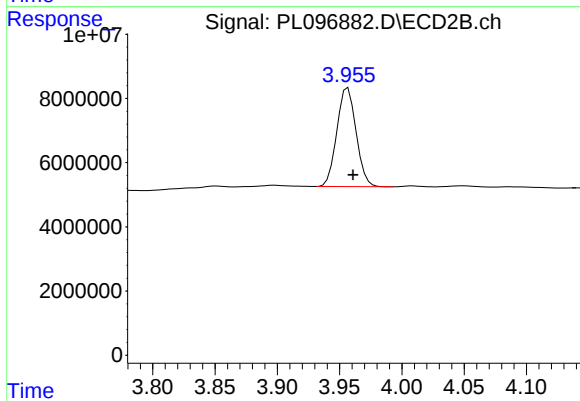
#3 gamma-BHC (Lindane)

R.T.: 3.660 min
Delta R.T.: -0.005 min
Response: 72520097
Conc: 10.98 ng/ml



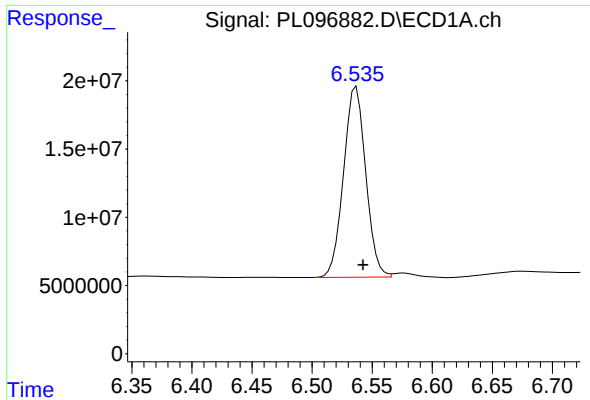
#6 beta-BHC

R.T.: 4.492 min
Delta R.T.: -0.005 min
Response: 19755272
Conc: 10.94 ng/ml



#6 beta-BHC

R.T.: 3.957 min
Delta R.T.: -0.004 min
Response: 33196244
Conc: 11.77 ng/ml



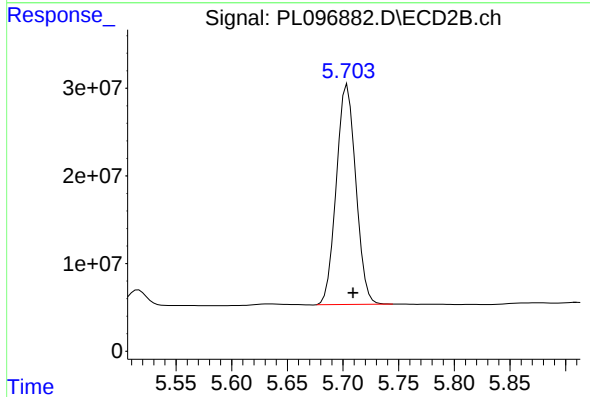
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.007 min
Response: 179370515
Conc: 59.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

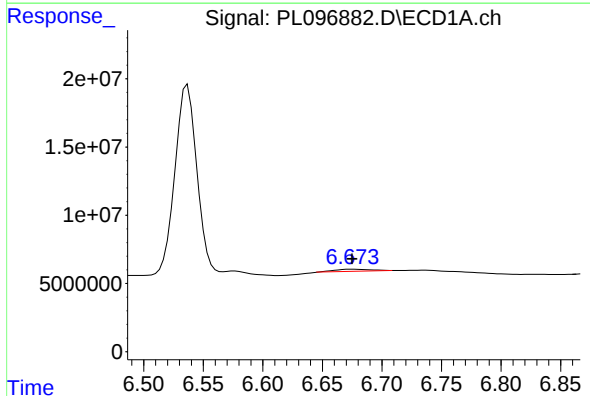
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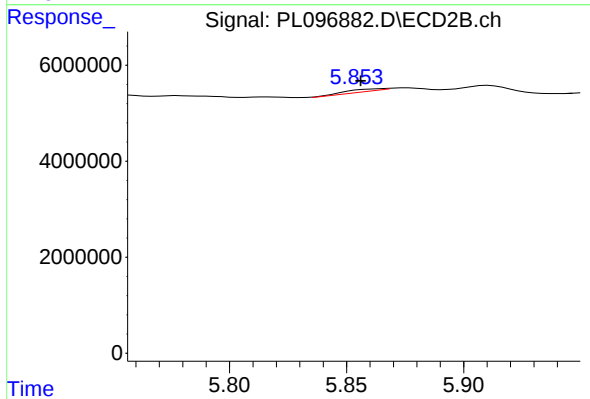
#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 306097287
Conc: 56.62 ng/ml



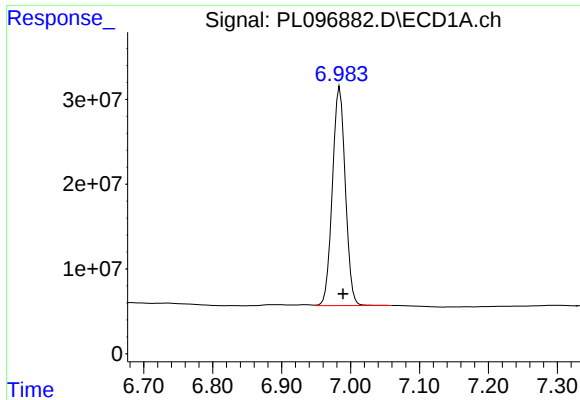
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 3218621
Conc: 1.27 ng/ml m



#16 4,4'-DDD

R.T.: 5.853 min
Delta R.T.: -0.003 min
Response: 657129
Conc: 0.14 ng/ml m



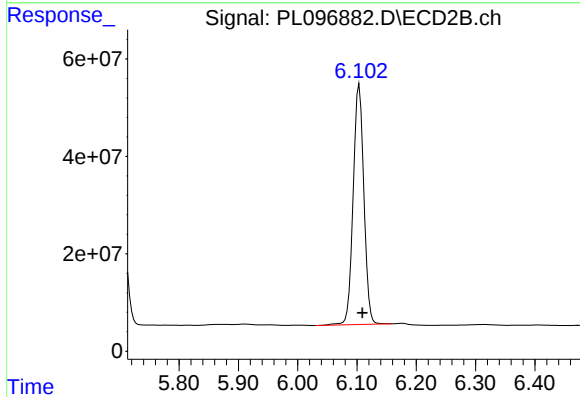
#17 4,4'-DDT

R.T.: 6.984 min
Delta R.T.: -0.005 min
Response: 335060849
Conc: 116.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

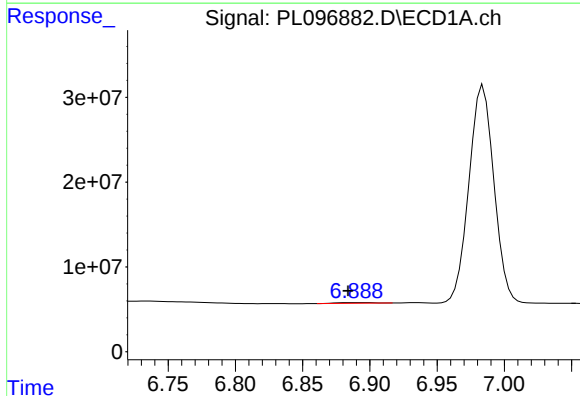
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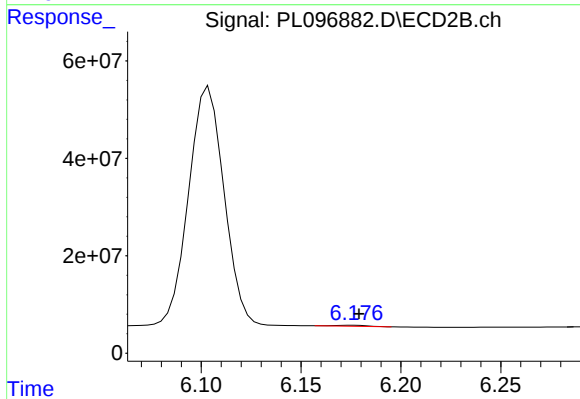
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 617484404
Conc: 122.07 ng/ml



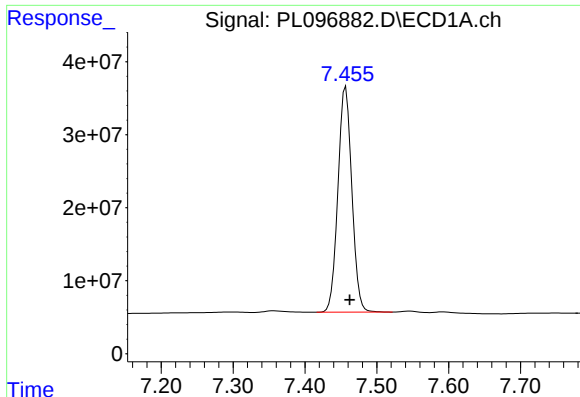
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.004 min
Response: 1613798
Conc: 0.75 ng/ml m



#18 Endrin aldehyde

R.T.: 6.176 min
Delta R.T.: -0.003 min
Response: 2323213
Conc: 0.64 ng/ml m



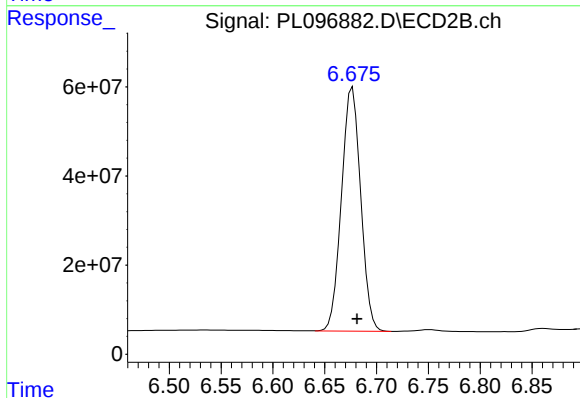
#20 Methoxychlor

R.T.: 7.457 min
Delta R.T.: -0.005 min
Response: 414153434
Conc: 282.05 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

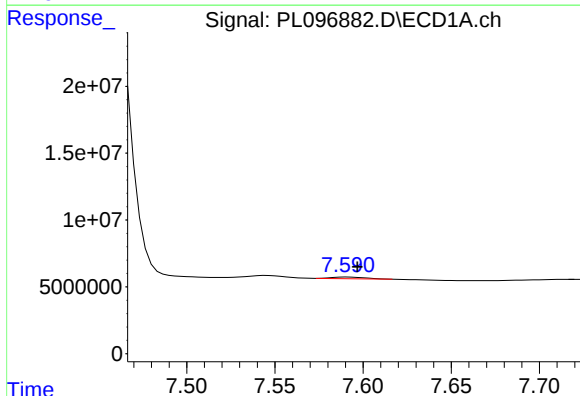
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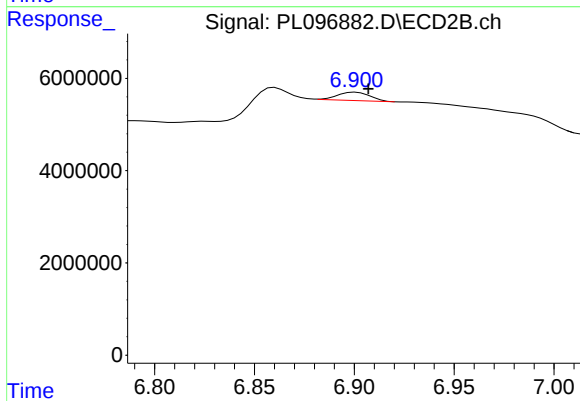
#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 705693679
Conc: 257.51 ng/ml m



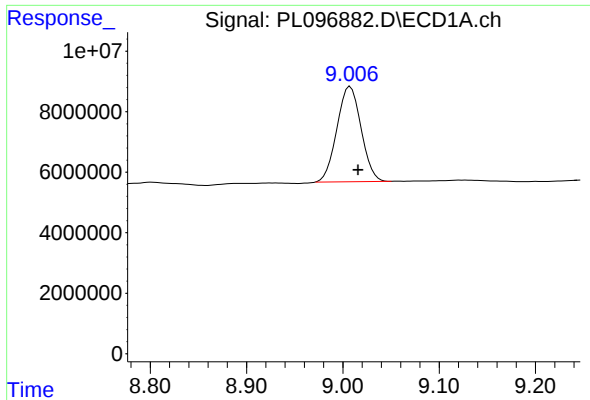
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 1676714
Conc: 0.56 ng/ml m



#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: -0.007 min
Response: 2051681
Conc: 0.37 ng/ml m



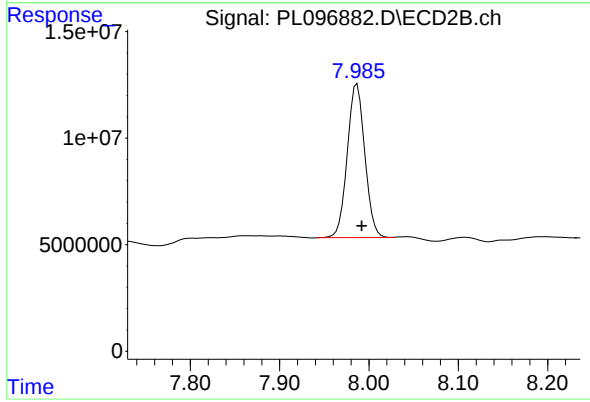
#28 Decachlorobiphenyl

R.T.: 9.008 min
Delta R.T.: -0.008 min
Response: 54884245
Conc: 23.02 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.985 min
Delta R.T.: -0.007 min
Response: 98327059
Conc: 22.66 ng/ml m