

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096818.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 10:13
 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 18 05:54:43 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...	3.531	2.826	66146774	96842073	20.796	20.269
28)	SA Decachlor...	9.004	7.987	49966203	85675813	20.953	19.749
Target Compounds							
2)	A alpha-BHC	3.978	3.330	47707827	68862700	10.312	9.730
3)	MA gamma-BHC...	4.306	3.662	46816462	64625617	10.584	9.787
6)	B beta-BHC	4.493	3.959	18826992	30137711	10.431	10.684
14)	MA Endrin	6.534	5.706	166.3E6	268.8E6	54.948m	49.725
16)	A 4,4'-DDD	6.672	5.857	926554	2315961	0.366m	0.492m#
17)	MA 4,4'-DDT	6.983	6.105	307.7E6	523.0E6	107.285	103.402
18)	B Endrin al...	6.885	6.171	4383907	14217821	2.043m	3.911m#
20)	A Methoxychlor	7.455	6.676	388.4E6	615.9E6	264.496	224.748m
21)	B Endrin ke...	7.589	6.902	1921529	1589905	0.639m	0.285m#

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

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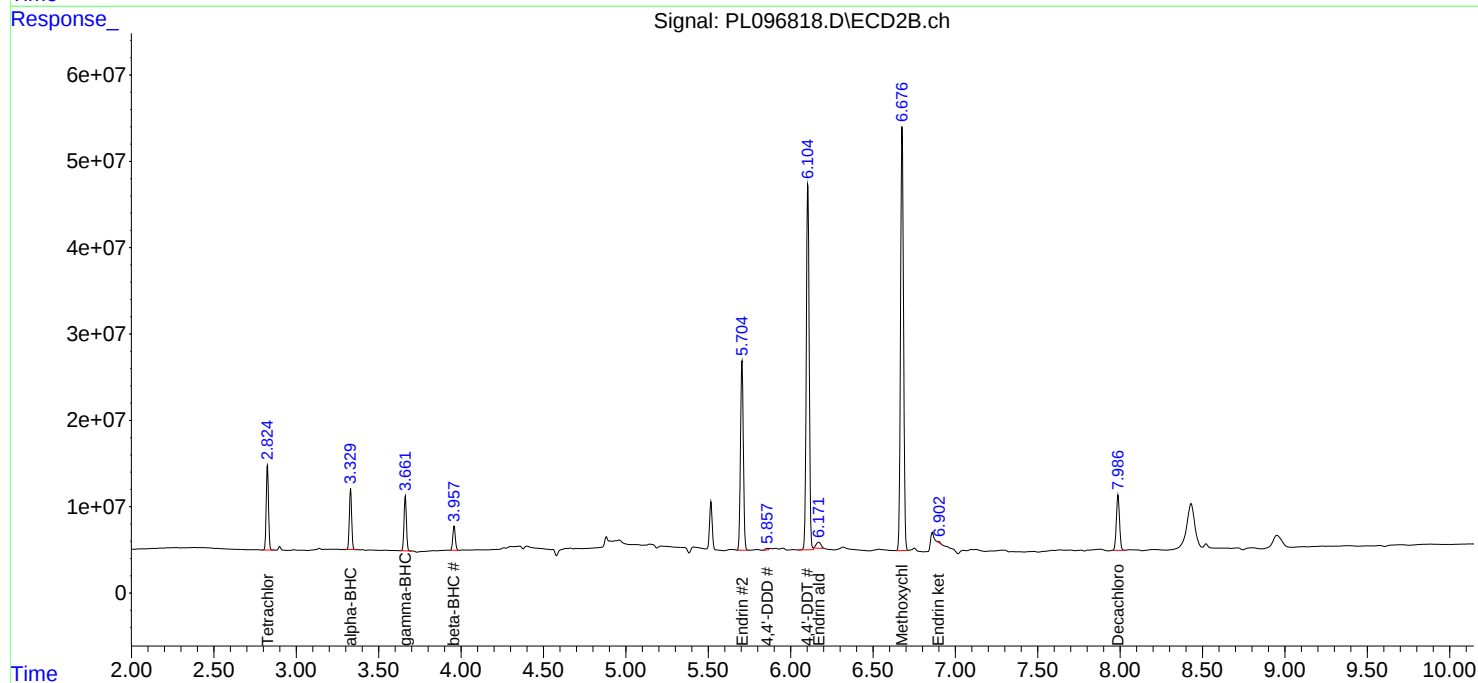
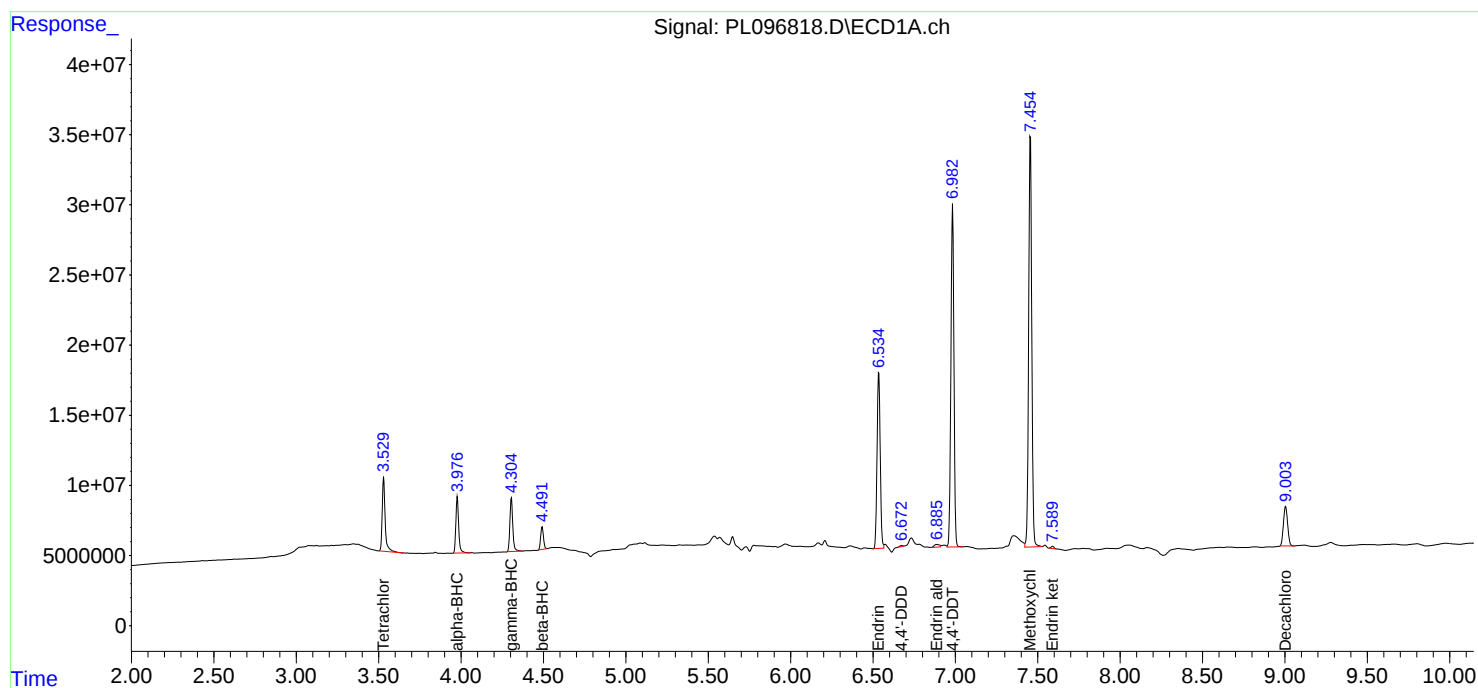
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ECD_L
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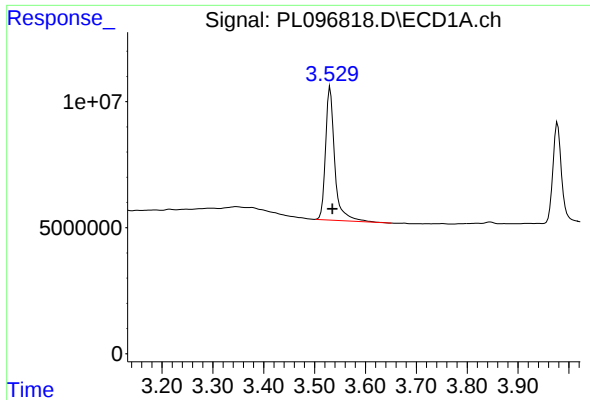
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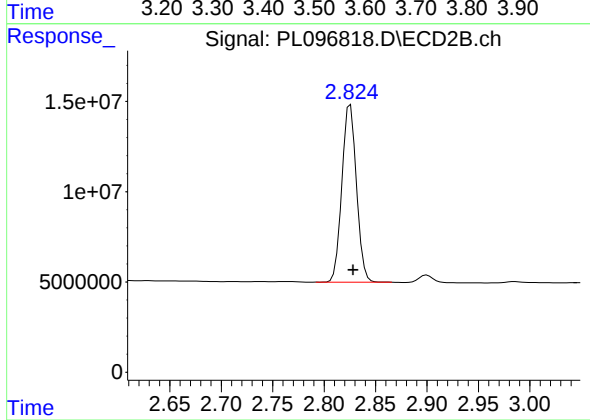
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 66146774
Conc: 20.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

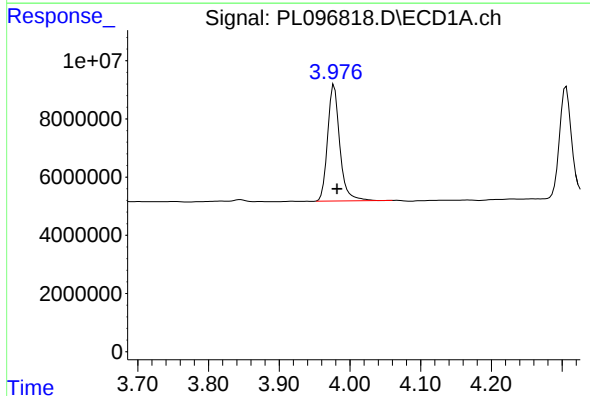
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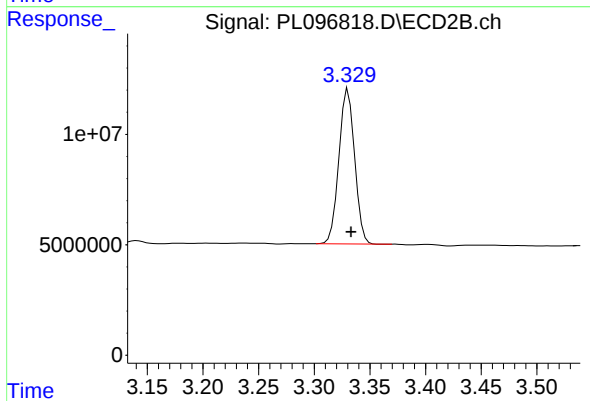
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 96842073
Conc: 20.27 ng/ml



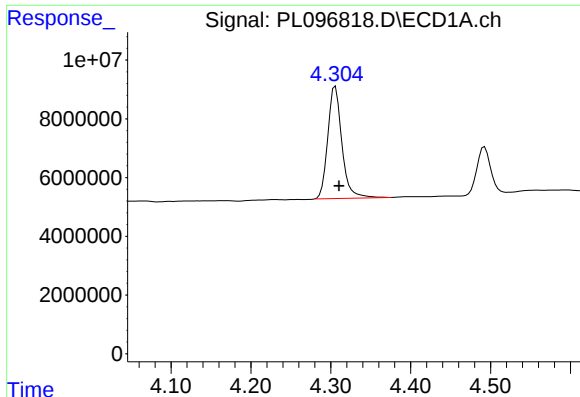
#2 alpha-BHC

R.T.: 3.978 min
Delta R.T.: -0.004 min
Response: 47707827
Conc: 10.31 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 68862700
Conc: 9.73 ng/ml



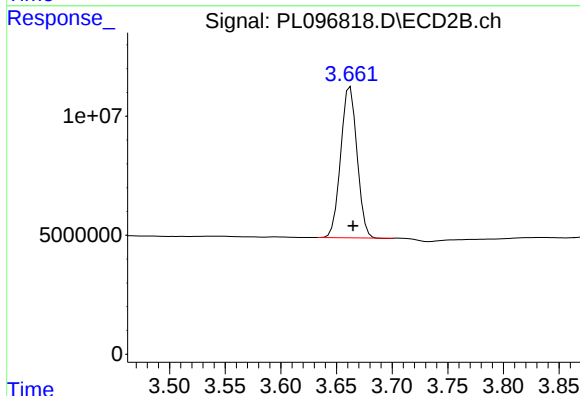
#3 gamma-BHC (Lindane)

R.T.: 4.306 min
Delta R.T.: -0.005 min
Response: 46816462
Conc: 10.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

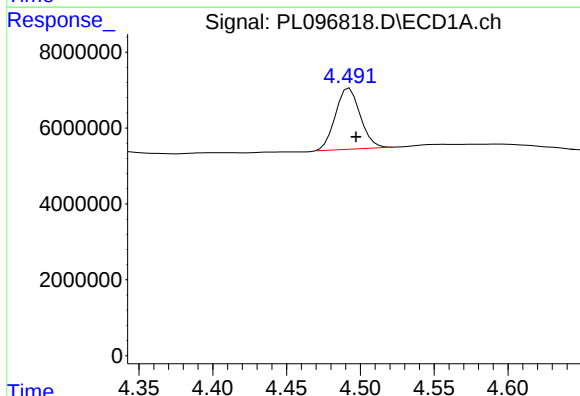
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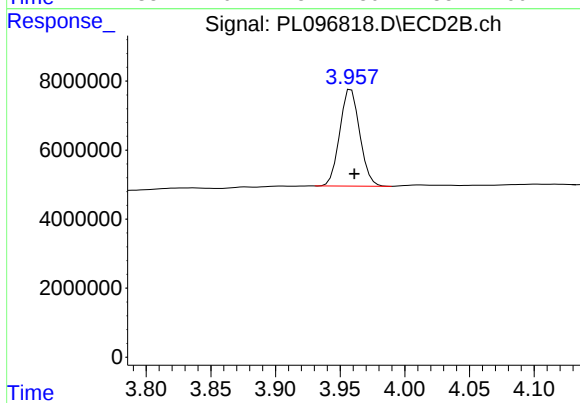
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 64625617
Conc: 9.79 ng/ml



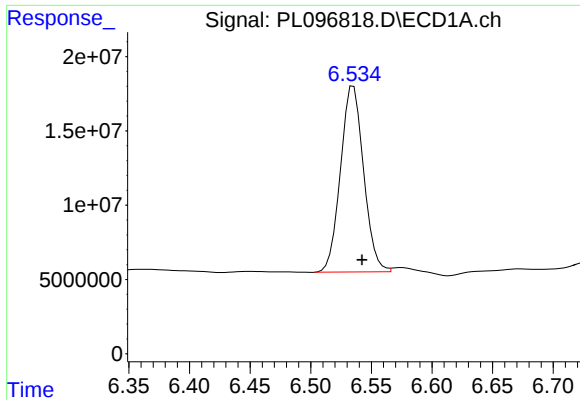
#6 beta-BHC

R.T.: 4.493 min
Delta R.T.: -0.004 min
Response: 18826992
Conc: 10.43 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 30137711
Conc: 10.68 ng/ml



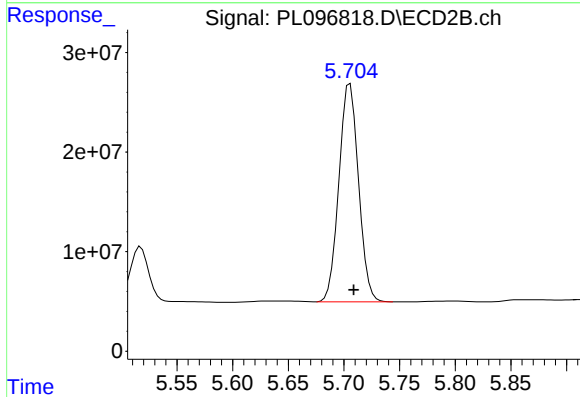
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 166315119
Conc: 54.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

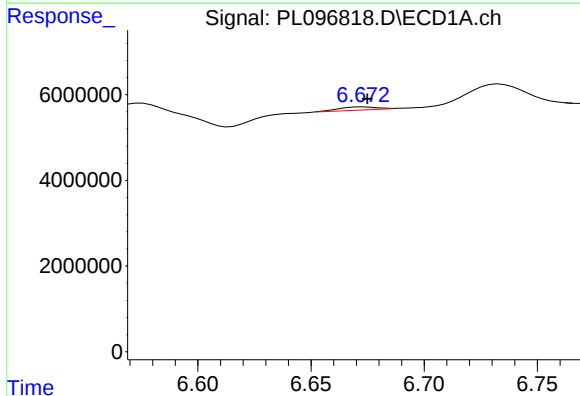
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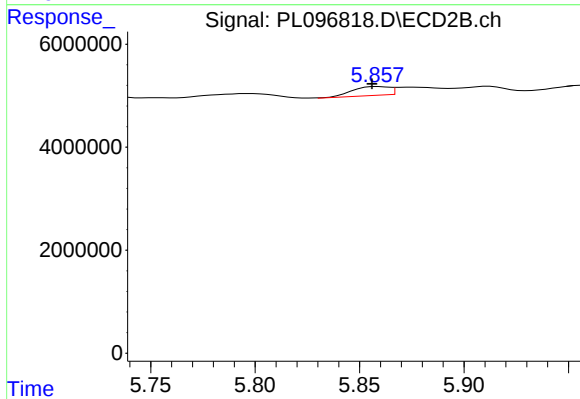
#14 Endrin

R.T.: 5.706 min
Delta R.T.: -0.003 min
Response: 268809359
Conc: 49.72 ng/ml



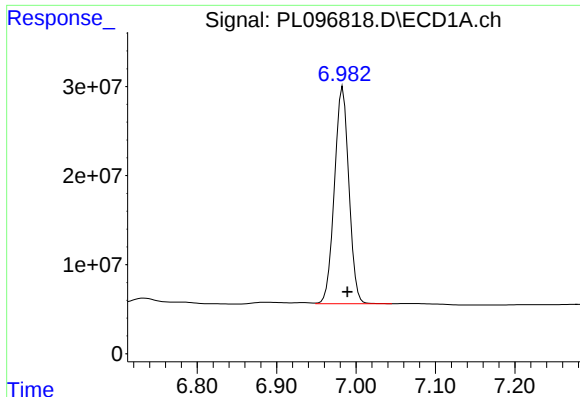
#16 4,4'-DDD

R.T.: 6.672 min
Delta R.T.: -0.003 min
Response: 926554
Conc: 0.37 ng/ml m



#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: 0.001 min
Response: 2315961
Conc: 0.49 ng/ml m



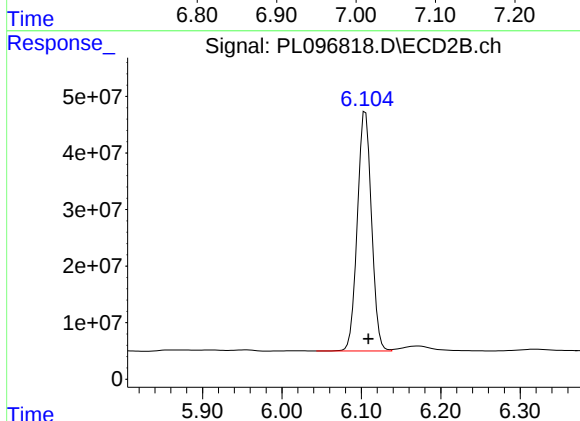
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 307659279
Conc: 107.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

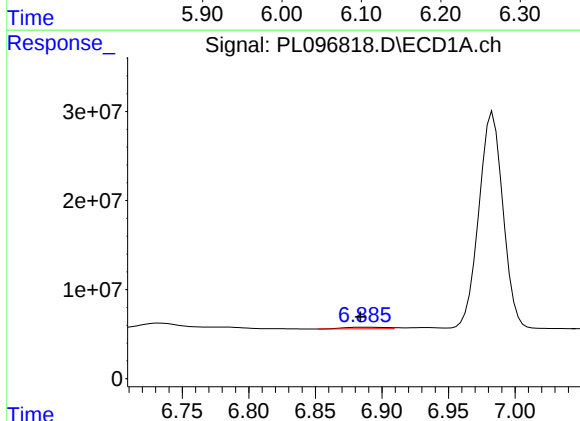
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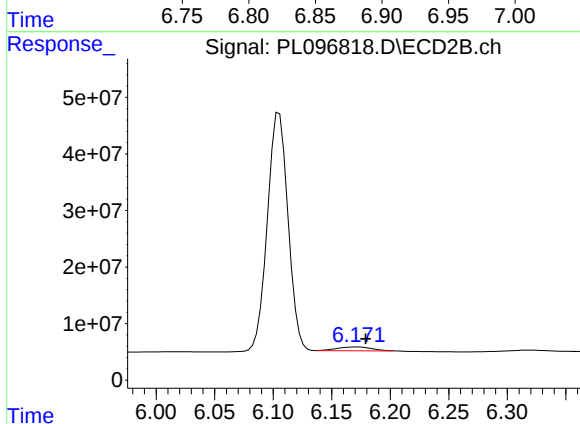
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 523036483
Conc: 103.40 ng/ml



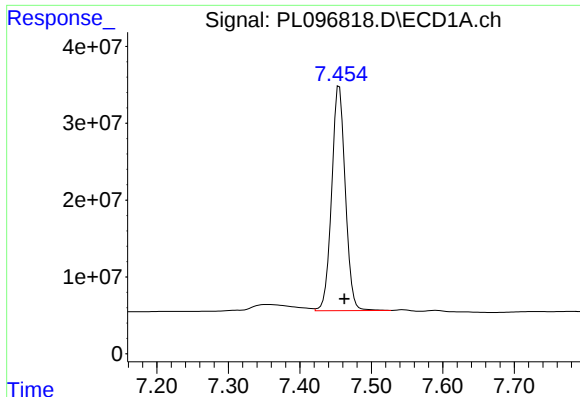
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: 0.001 min
Response: 4383907
Conc: 2.04 ng/ml m



#18 Endrin aldehyde

R.T.: 6.171 min
Delta R.T.: -0.008 min
Response: 14217821
Conc: 3.91 ng/ml m



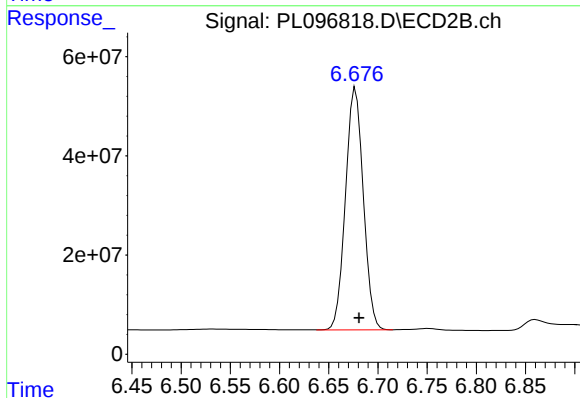
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 388373800
Conc: 264.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

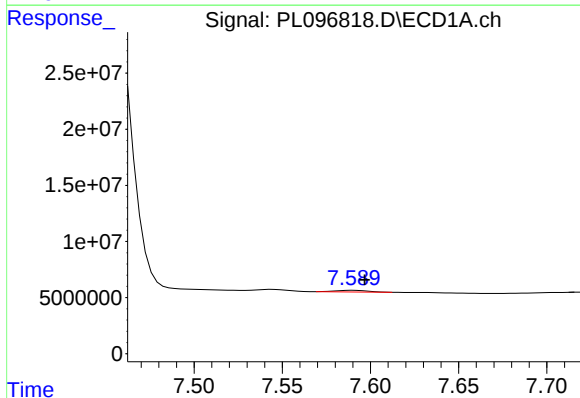
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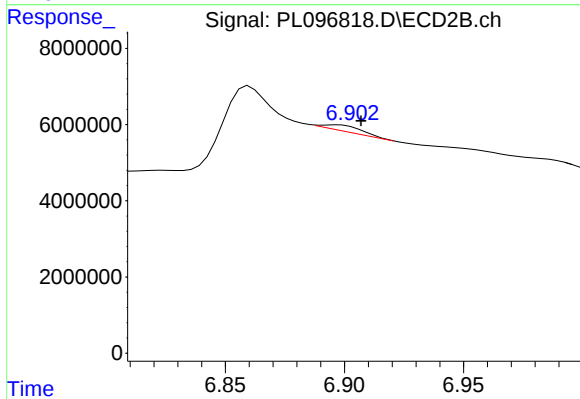
#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 615921683
Conc: 224.75 ng/ml m



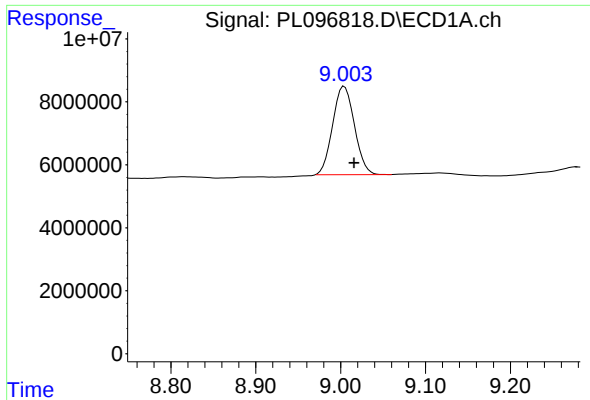
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 1921529
Conc: 0.64 ng/ml m



#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 1589905
Conc: 0.29 ng/ml m



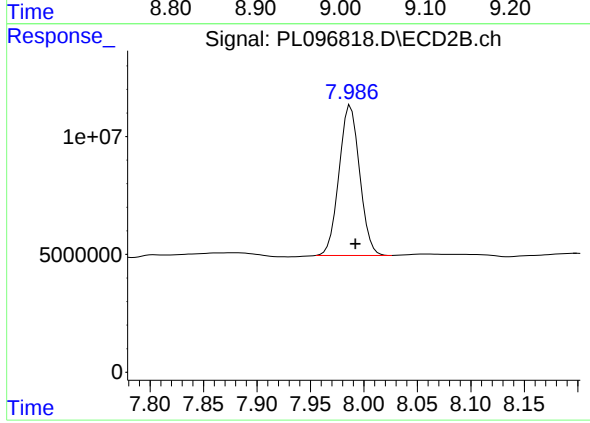
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.011 min
Response: 49966203
Conc: 20.95 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 85675813
Conc: 19.75 ng/ml