

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL082025\
 Data File : PL096922.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 20 Aug 2025 15:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/21/2025
 Supervised By :mohammad ahmed 08/22/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 21 06:37:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL082025.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 21 06:34:01 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	2.825	69515862	99107256	17.626	17.583
28)	SA Decachlor...	9.004	7.986	55625650	88778601	18.788	18.512
Target Compounds							
2)	A alpha-BHC	3.977	3.330	49776486	69880870	8.591	8.510
3)	MA gamma-BHC...	4.305	3.662	47536286	59912181	8.703	8.133
6)	B beta-BHC	4.491	3.958	20237268	29023027	8.849	8.897
14)	MA Endrin	6.535	5.704	168.7E6	266.9E6	45.058	45.189
16)	A 4,4'-DDD	6.667	5.851	3035194	4221642	0.962m	0.808m
17)	MA 4,4'-DDT	6.982	6.104	319.8E6	516.1E6	91.310	94.235
18)	B Endrin al...	6.879	6.172	1931356	23840159	0.742m	1.313 #
20)	A Methoxychlor	7.454	6.677	396.6E6	630.9E6	228.510	210.317
21)	B Endrin ke...	7.588	6.900	2740120	3929999	0.771m	0.628m

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

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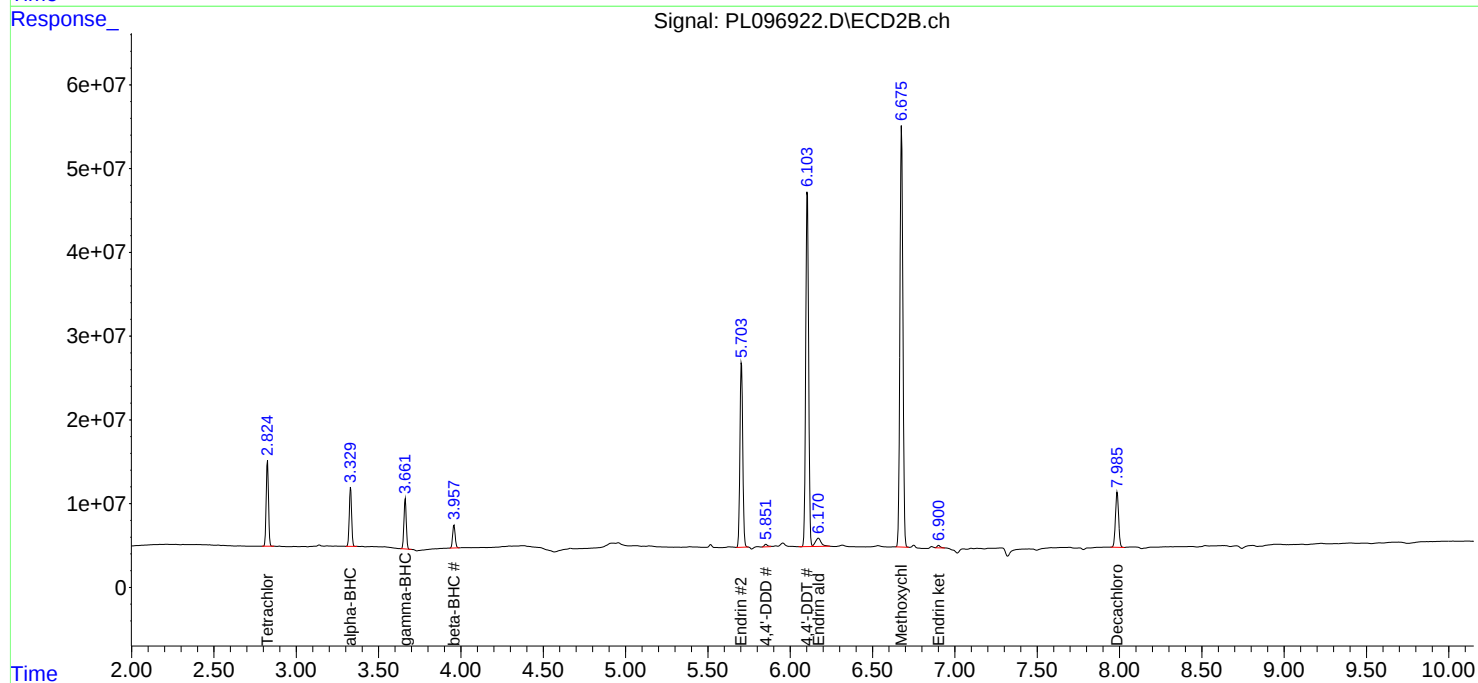
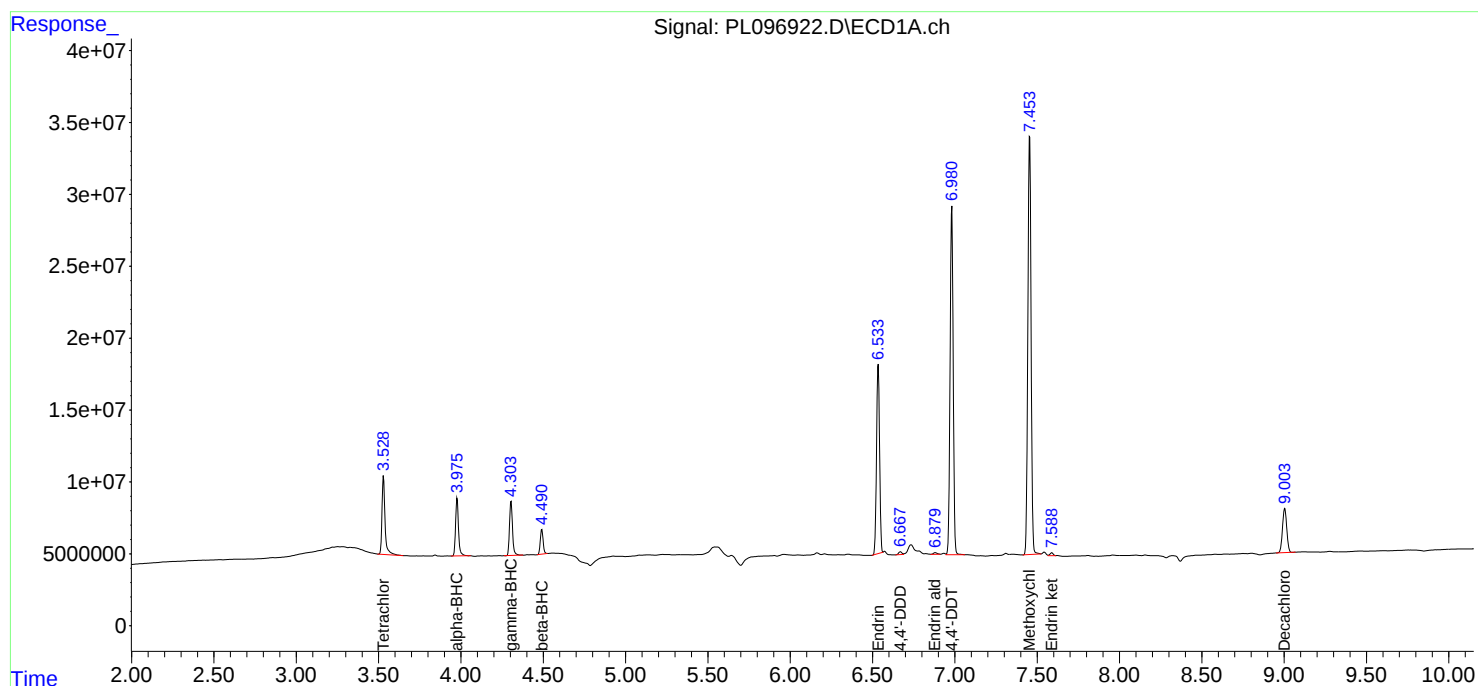
Instrument :
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PEM

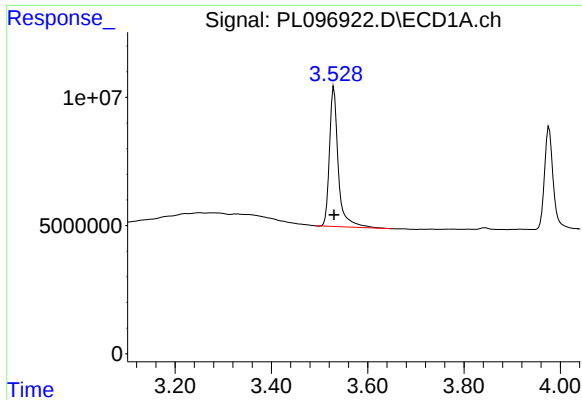
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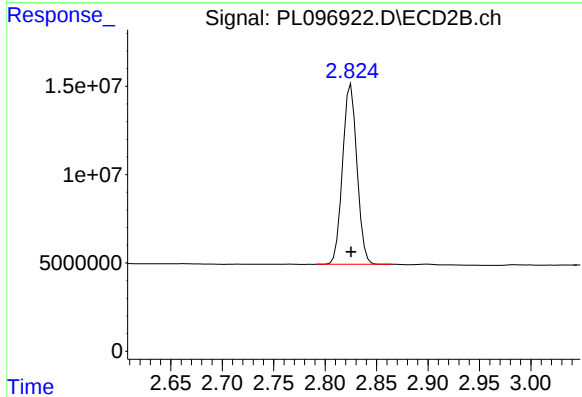
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: 0.000 min
Response: 69515862
Conc: 17.63 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

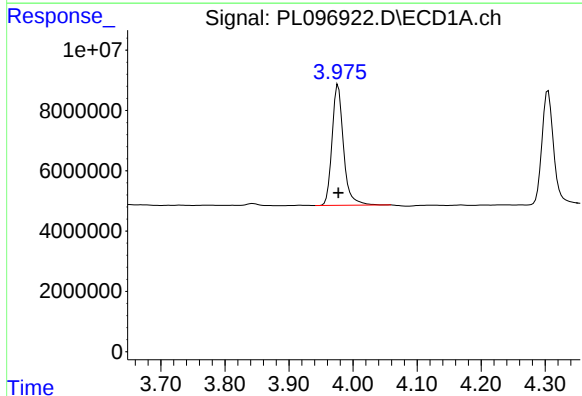
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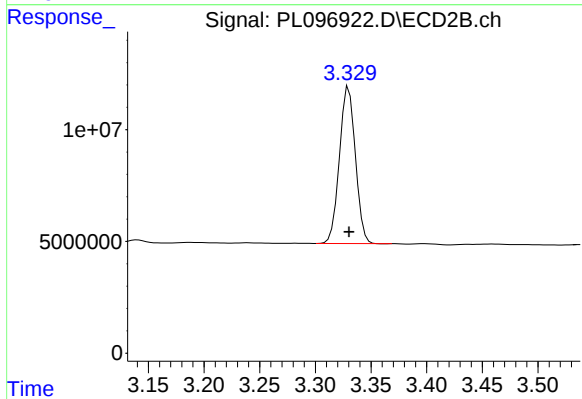
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: 0.000 min
Response: 99107256
Conc: 17.58 ng/ml



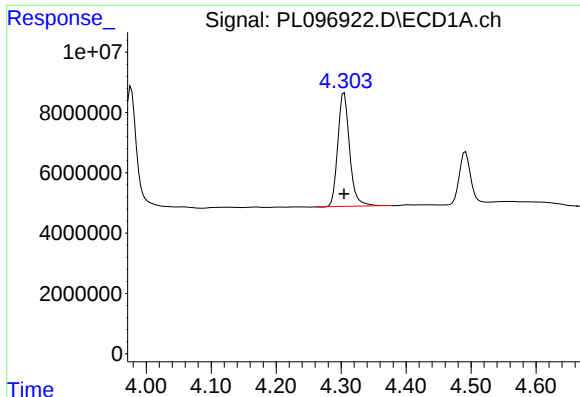
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: 0.000 min
Response: 49776486
Conc: 8.59 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: 0.000 min
Response: 69880870
Conc: 8.51 ng/ml



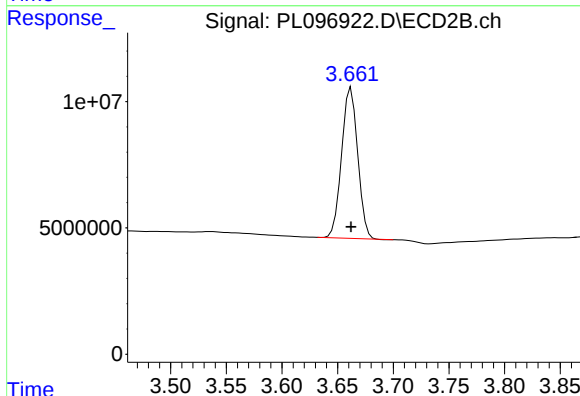
#3 gamma-BHC (Lindane)

R.T.: 4.305 min
Delta R.T.: 0.000 min
Response: 47536286
Conc: 8.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

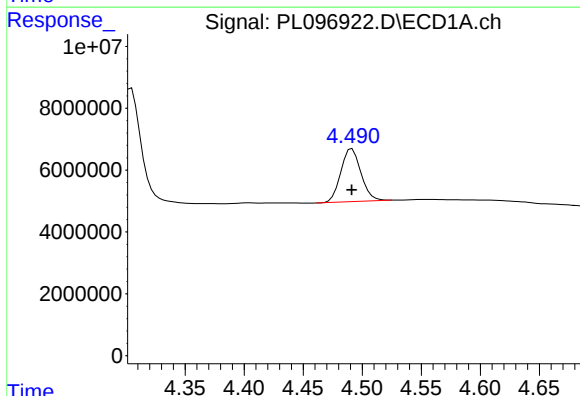
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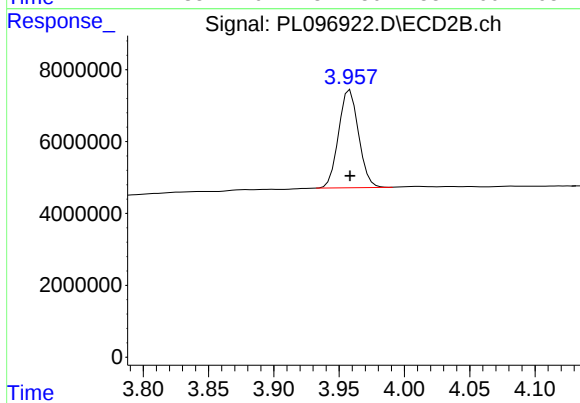
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: 0.000 min
Response: 59912181
Conc: 8.13 ng/ml



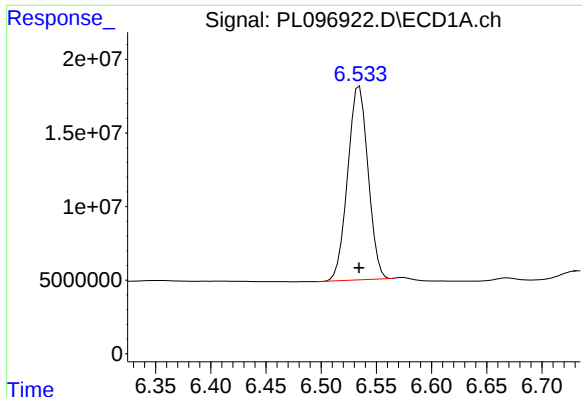
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: 0.000 min
Response: 20237268
Conc: 8.85 ng/ml



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: 0.000 min
Response: 29023027
Conc: 8.90 ng/ml



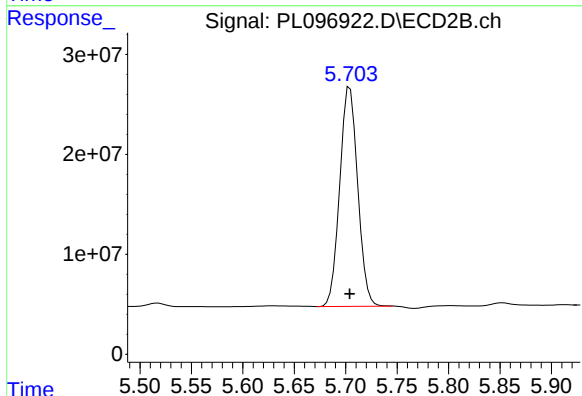
#14 Endrin

R.T.: 6.535 min
Delta R.T.: 0.000 min
Response: 168736733
Conc: 45.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

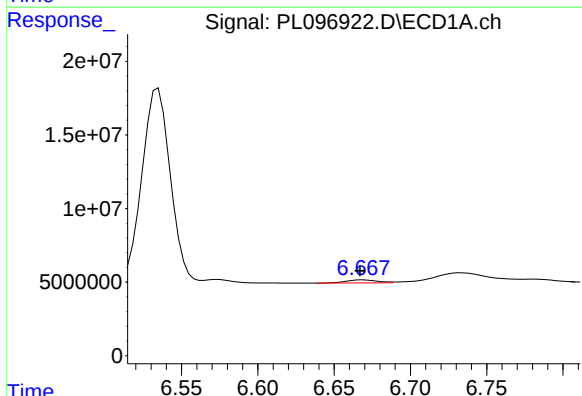
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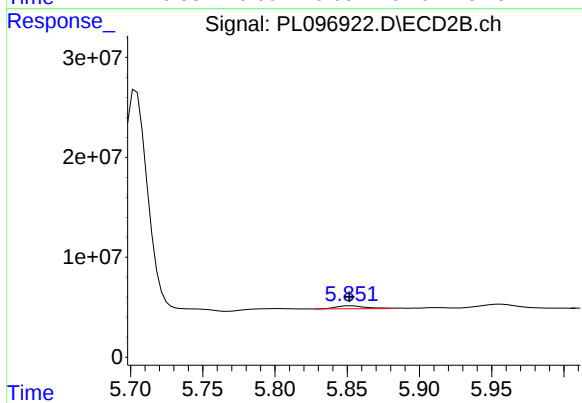
#14 Endrin

R.T.: 5.704 min
Delta R.T.: 0.000 min
Response: 266938504
Conc: 45.19 ng/ml



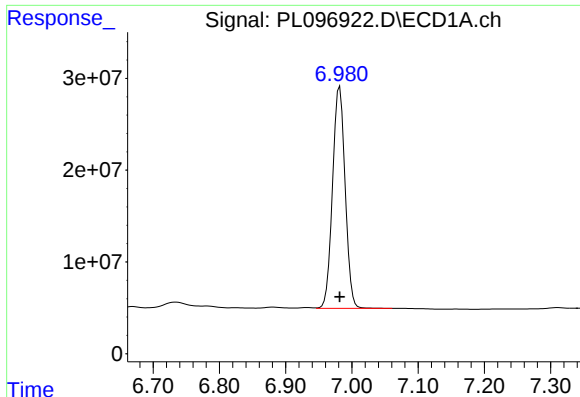
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: 0.000 min
Response: 3035194
Conc: 0.96 ng/ml m



#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: 0.000 min
Response: 4221642
Conc: 0.81 ng/ml m



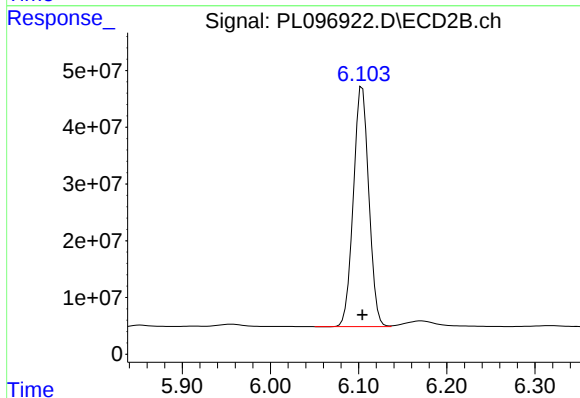
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 319808118
Conc: 91.31 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

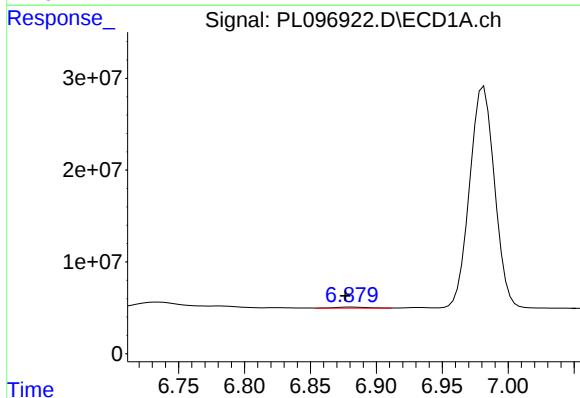
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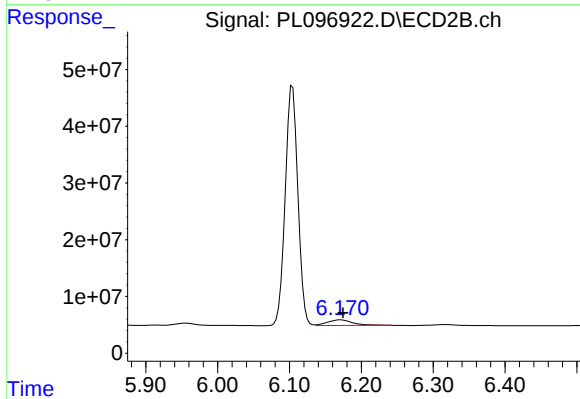
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: 0.000 min
Response: 516149487
Conc: 94.24 ng/ml



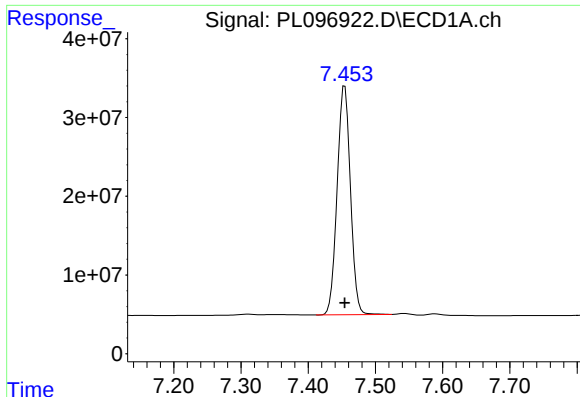
#18 Endrin aldehyde

R.T.: 6.879 min
Delta R.T.: 0.003 min
Response: 1931356
Conc: 0.74 ng/ml m



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.003 min
Response: 23840159
Conc: 1.31 ng/ml



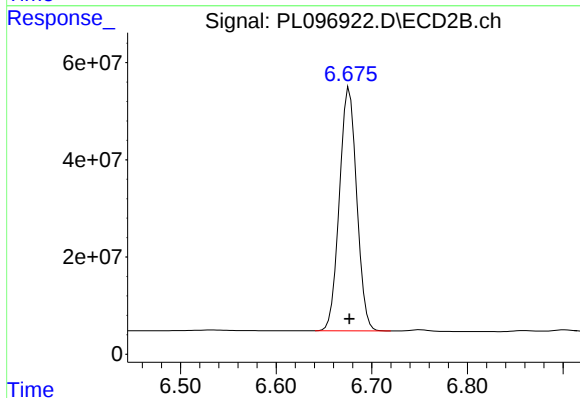
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: 0.000 min
Response: 396578847
Conc: 228.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

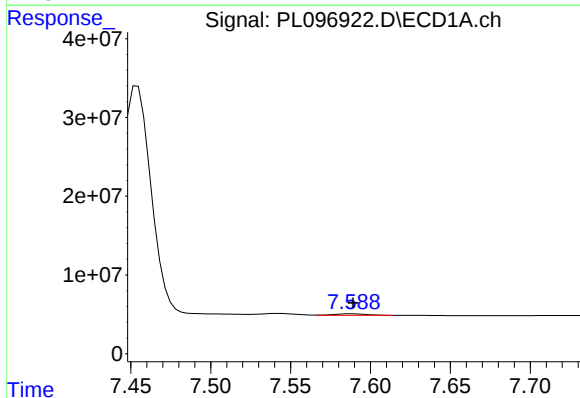
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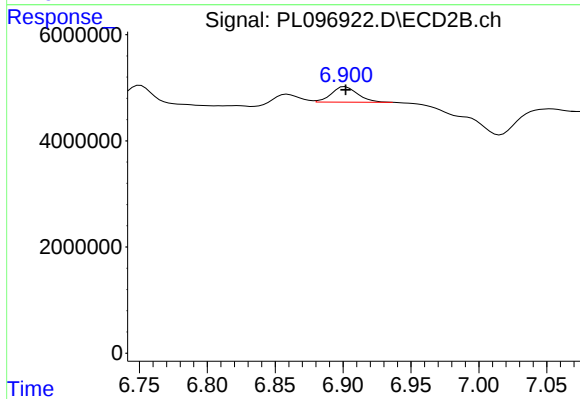
#20 Methoxychlor

R.T.: 6.677 min
Delta R.T.: 0.000 min
Response: 630905543
Conc: 210.32 ng/ml



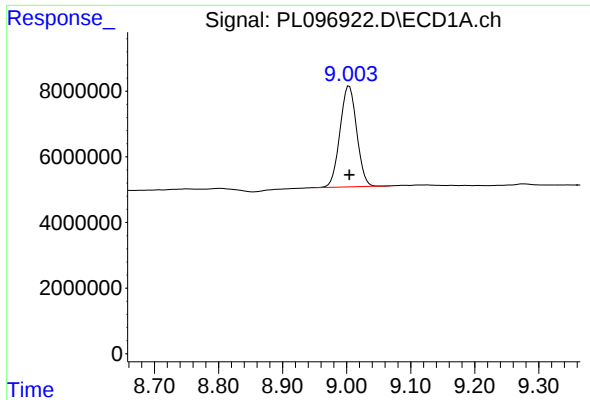
#21 Endrin ketone

R.T.: 7.588 min
Delta R.T.: -0.001 min
Response: 2740120
Conc: 0.77 ng/ml m



#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: -0.002 min
Response: 3929999
Conc: 0.63 ng/ml m



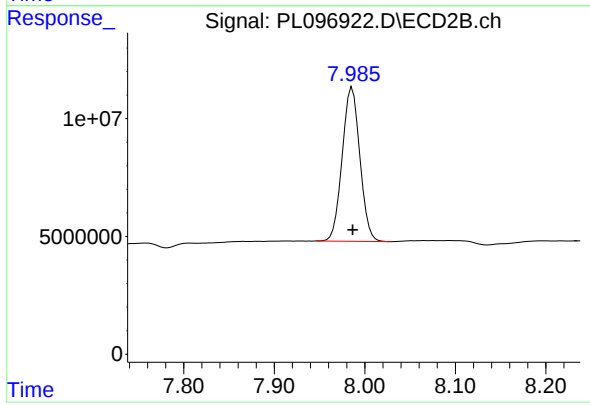
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: 0.000 min
Response: 55625650
Conc: 18.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: 0.000 min
Response: 88778601
Conc: 18.51 ng/ml