

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081925\
 Data File : PL096904.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Aug 2025 18:36
 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 01:39:15 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	2.826	75001232	108.9E6	23.579	22.792
28)	SA Decachlor...	9.005	7.986	56656700	99693329	23.759	22.980
Target Compounds							
2)	A alpha-BHC	3.977	3.331	52215905	78712930	11.287	11.122
3)	MA gamma-BHC...	4.304	3.663	51869330	74799190	11.726m	11.327
6)	B beta-BHC	4.490	3.959	22326373	34588971	12.369m	12.262
14)	MA Endrin	6.533	5.705	183.5E6	319.0E6	60.621m	59.014
16)	A 4,4'-DDD	6.667	5.852	6253552	9983712	2.473m	2.122
17)	MA 4,4'-DDT	6.982	6.104	324.7E6	585.8E6	113.245	115.802
18)	B Endrin al...	6.881	6.175	2333531	12928531	1.087m	3.557 #
20)	A Methoxychlor	7.454	6.675	396.2E6	691.0E6	269.794	252.153m
21)	B Endrin ke...	7.587	6.901	3907957	12509478	1.300m	2.246 #

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

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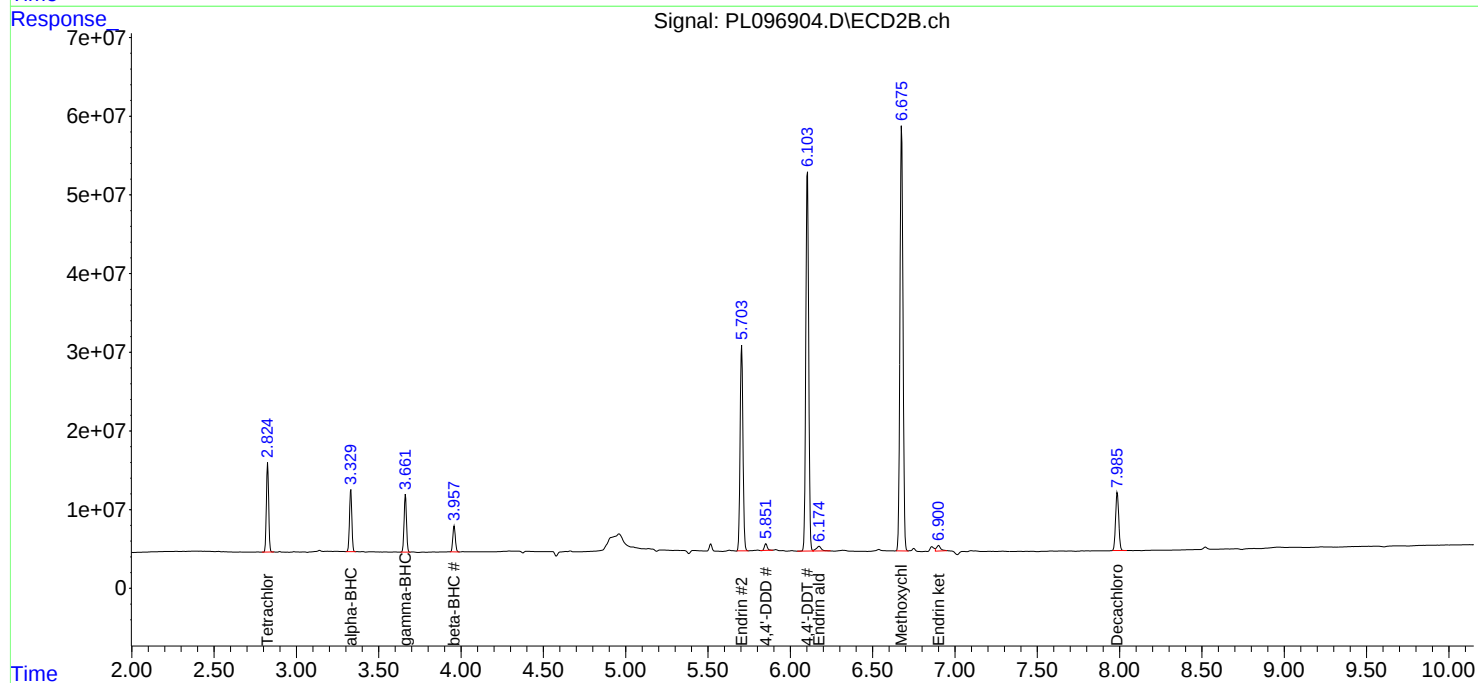
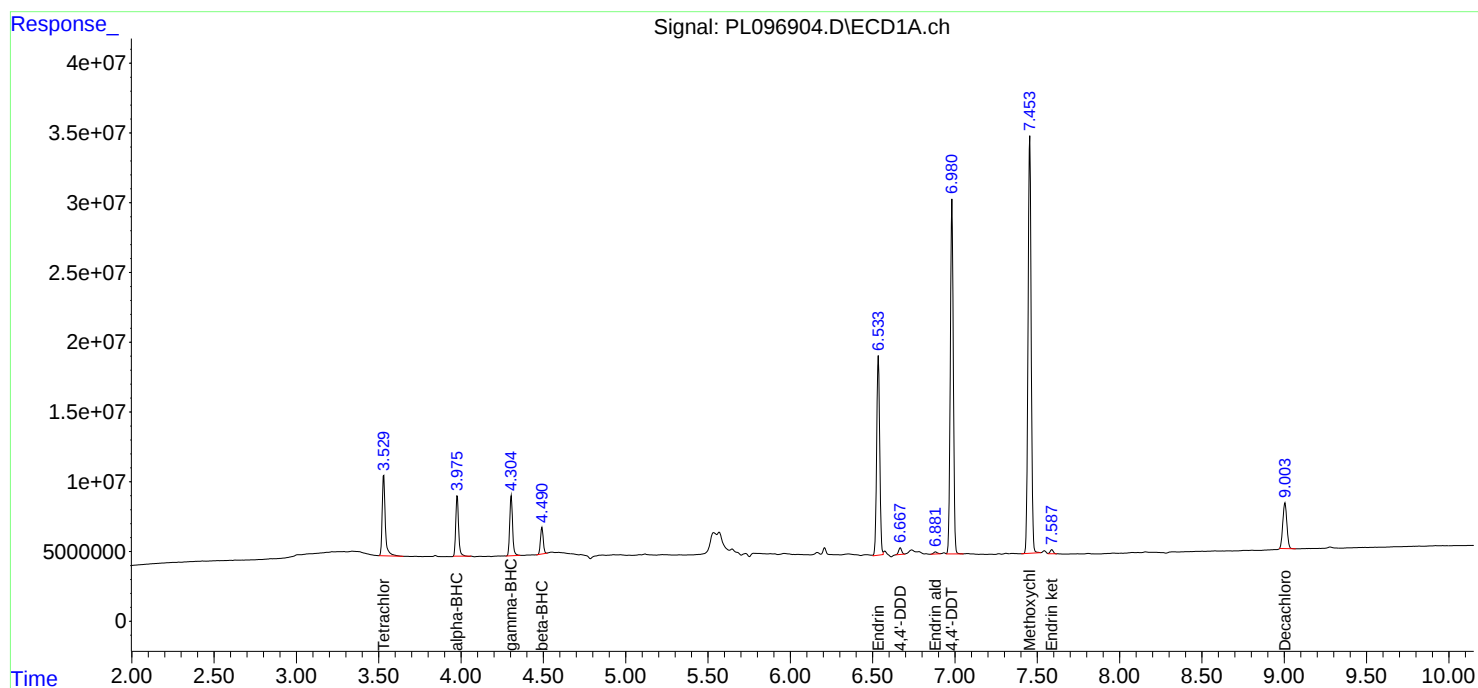
Instrument :
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ClientSampleId :
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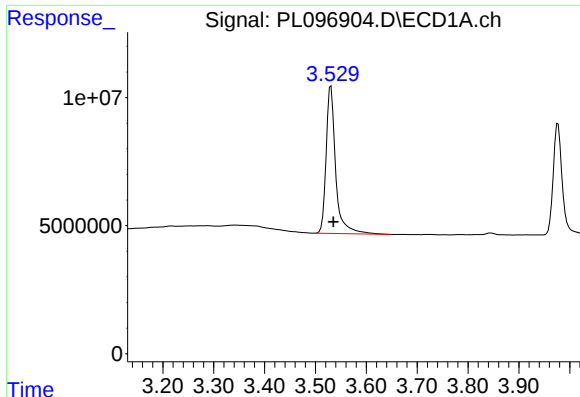
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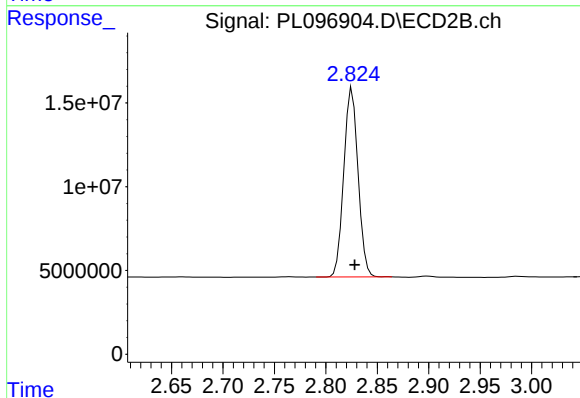
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 75001232
Conc: 23.58 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

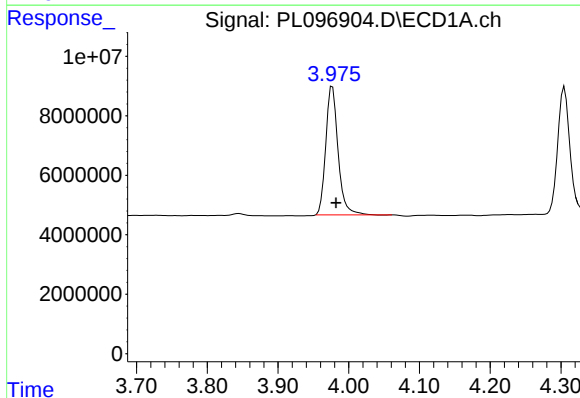
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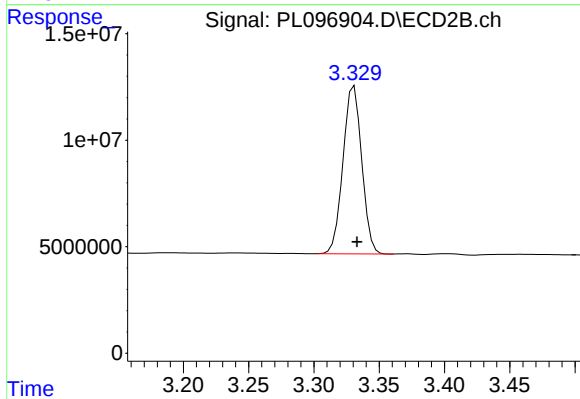
#1 Tetrachloro-m-xylene

R.T.: 2.826 min
Delta R.T.: -0.002 min
Response: 108894540
Conc: 22.79 ng/ml



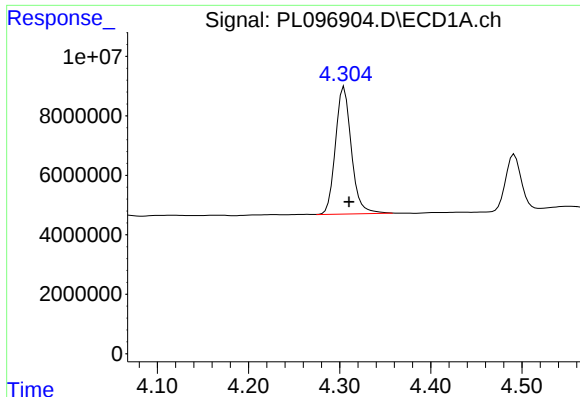
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 52215905
Conc: 11.29 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 78712930
Conc: 11.12 ng/ml



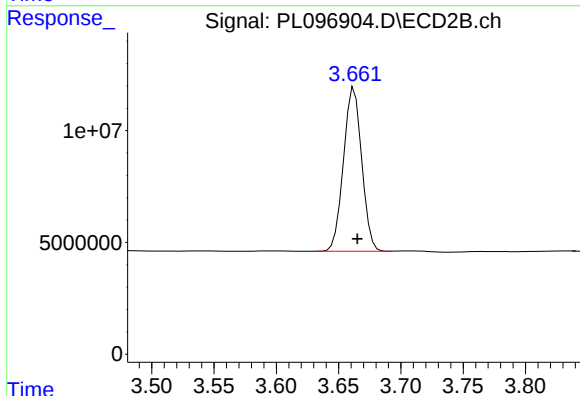
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.007 min
Response: 51869330
Conc: 11.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

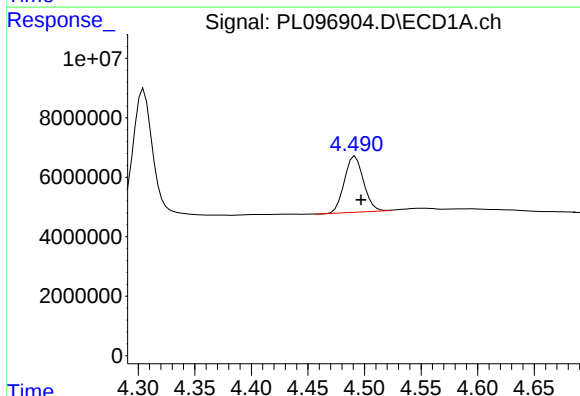
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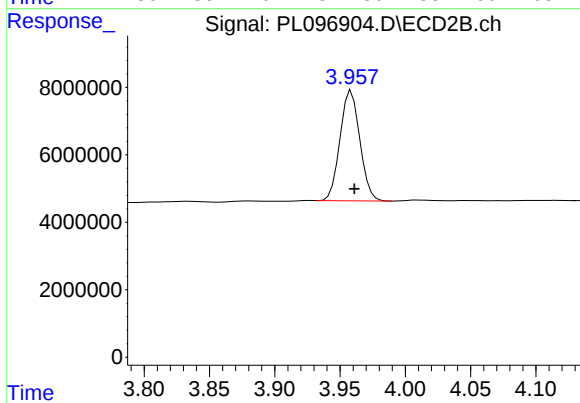
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.002 min
Response: 74799190
Conc: 11.33 ng/ml



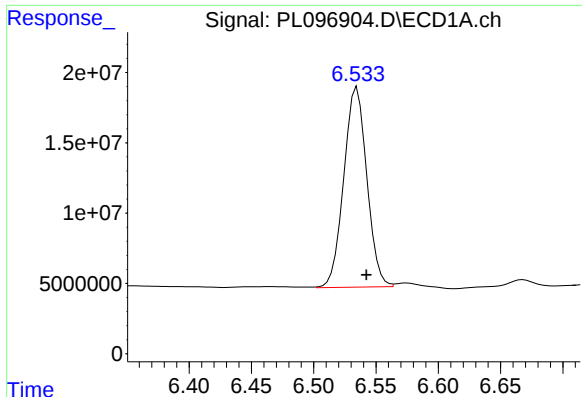
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 22326373
Conc: 12.37 ng/ml m



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 34588971
Conc: 12.26 ng/ml



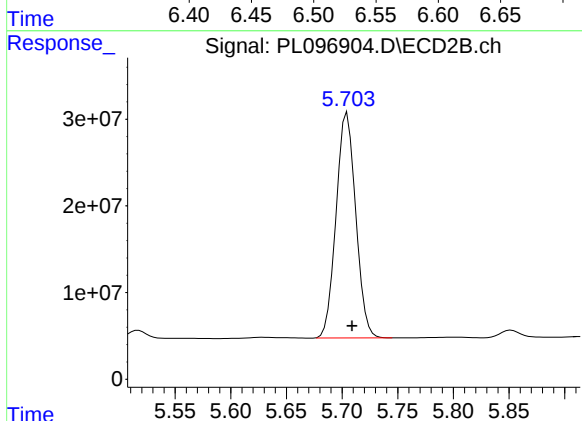
#14 Endrin

R.T.: 6.533 min
Delta R.T.: -0.009 min
Response: 183486873
Conc: 60.62 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

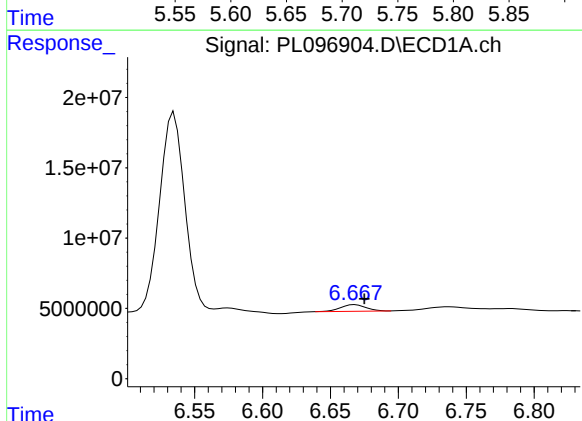
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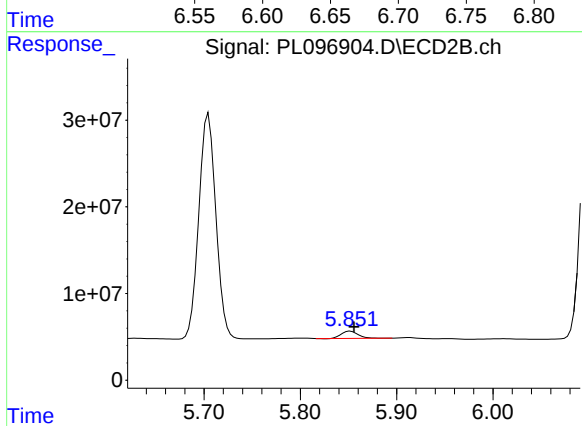
#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 319025257
Conc: 59.01 ng/ml



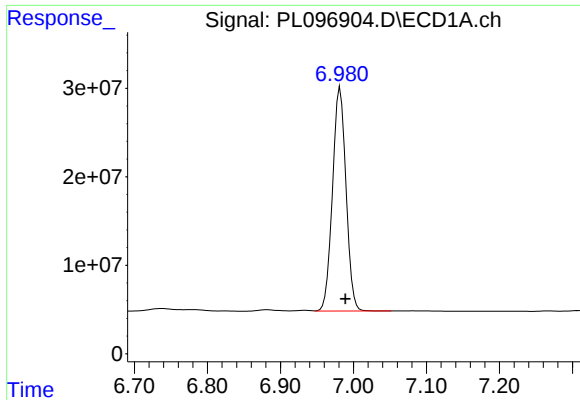
#16 4,4'-DDD

R.T.: 6.667 min
Delta R.T.: -0.008 min
Response: 6253552
Conc: 2.47 ng/ml m



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 9983712
Conc: 2.12 ng/ml



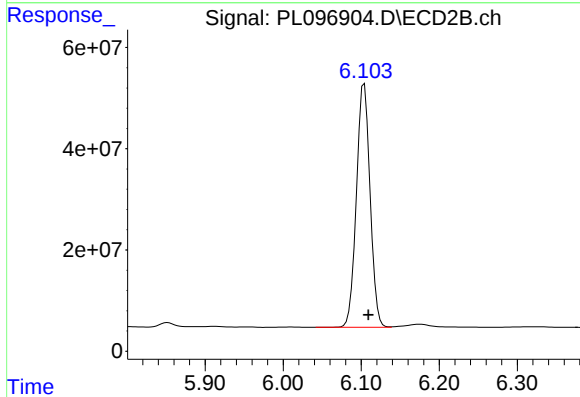
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 324749884
Conc: 113.24 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

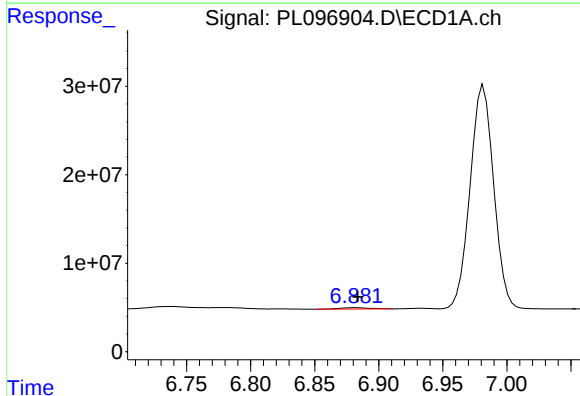
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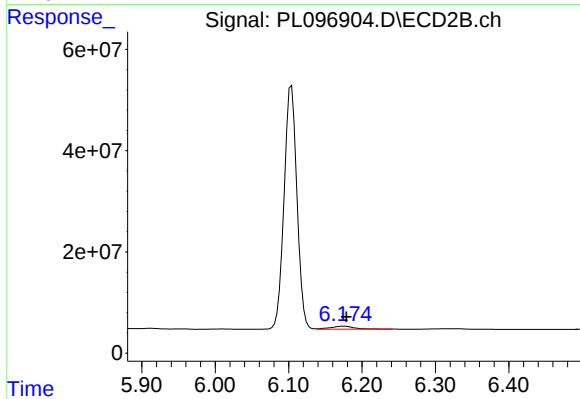
#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 585763241
Conc: 115.80 ng/ml



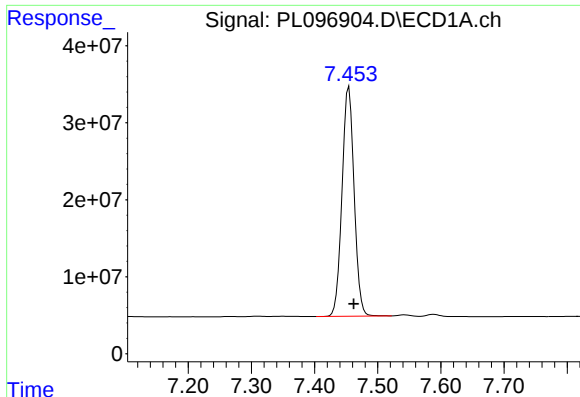
#18 Endrin aldehyde

R.T.: 6.881 min
Delta R.T.: -0.003 min
Response: 2333531
Conc: 1.09 ng/ml m



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 12928531
Conc: 3.56 ng/ml



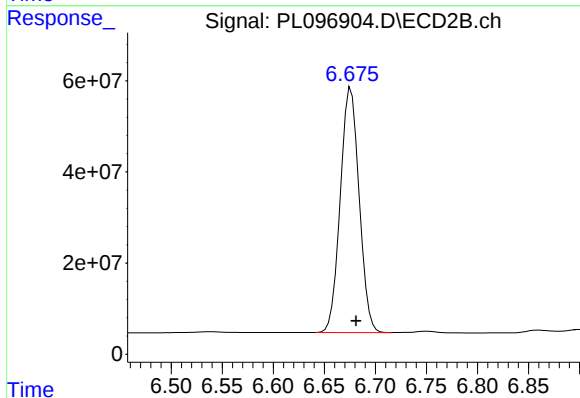
#20 Methoxychlor

R.T.: 7.454 min
Delta R.T.: -0.008 min
Response: 396153705
Conc: 269.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

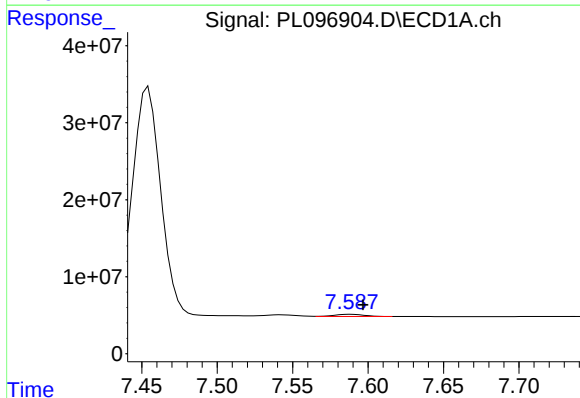
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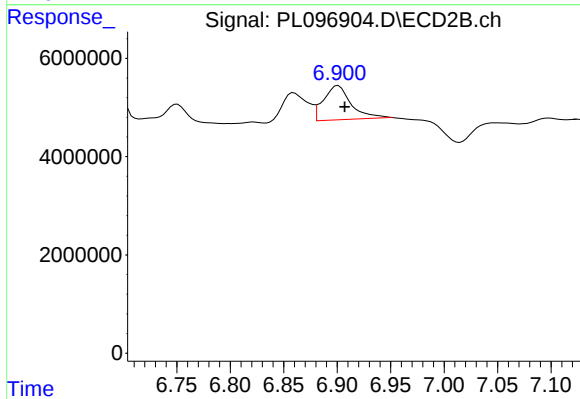
#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 691025051
Conc: 252.15 ng/ml m



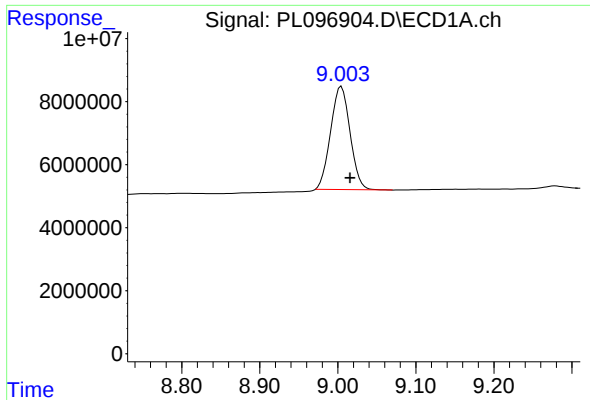
#21 Endrin ketone

R.T.: 7.587 min
Delta R.T.: -0.009 min
Response: 3907957
Conc: 1.30 ng/ml m



#21 Endrin ketone

R.T.: 6.901 min
Delta R.T.: -0.006 min
Response: 12509478
Conc: 2.25 ng/ml



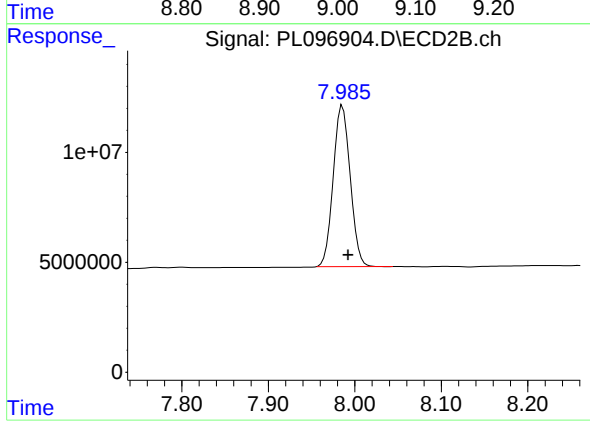
#28 Decachlorobiphenyl

R.T.: 9.005 min
Delta R.T.: -0.011 min
Response: 56656700
Conc: 23.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 99693329
Conc: 22.98 ng/ml