

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL061925\
 Data File : PL096115.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 19 Jun 2025 10:25
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 06/20/2025
 Supervised By :mohammad ahmed 06/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jun 19 22:58:14 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL061725.M
 Quant Title : GC Extractables
 QLast Update : Tue Jun 17 17:11:36 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...	3.572	2.882	86336294	102.6E6	23.726	21.629
28)	SA Decachlor...	9.120	8.066	59920778	114.5E6	20.925	18.989
Target Compounds							
2)	A alpha-BHC	4.023	3.391	63443717	73759223	11.201	10.251
3)	MA gamma-BHC...	4.354	3.724	60196603	70575783	11.376	10.300
6)	B beta-BHC	4.542	4.020	26464567	31871928	11.737	10.520
14)	MA Endrin	6.601	5.778	191.8E6	303.8E6	50.469	51.194
16)	A 4,4'-DDD	6.733	5.923	26521189	38196680	7.603m	6.944
17)	MA 4,4'-DDT	7.051	6.178	301.0E6	548.0E6	86.204	91.339
18)	B Endrin al...	6.942	6.250	1693216	5314605	0.596m	1.185 #
20)	A Methoxychlor	7.527	6.750	352.9E6	642.2E6	198.225	195.759
21)	B Endrin ke...	7.661	6.977	9678389	28656237	2.485	4.318m#

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

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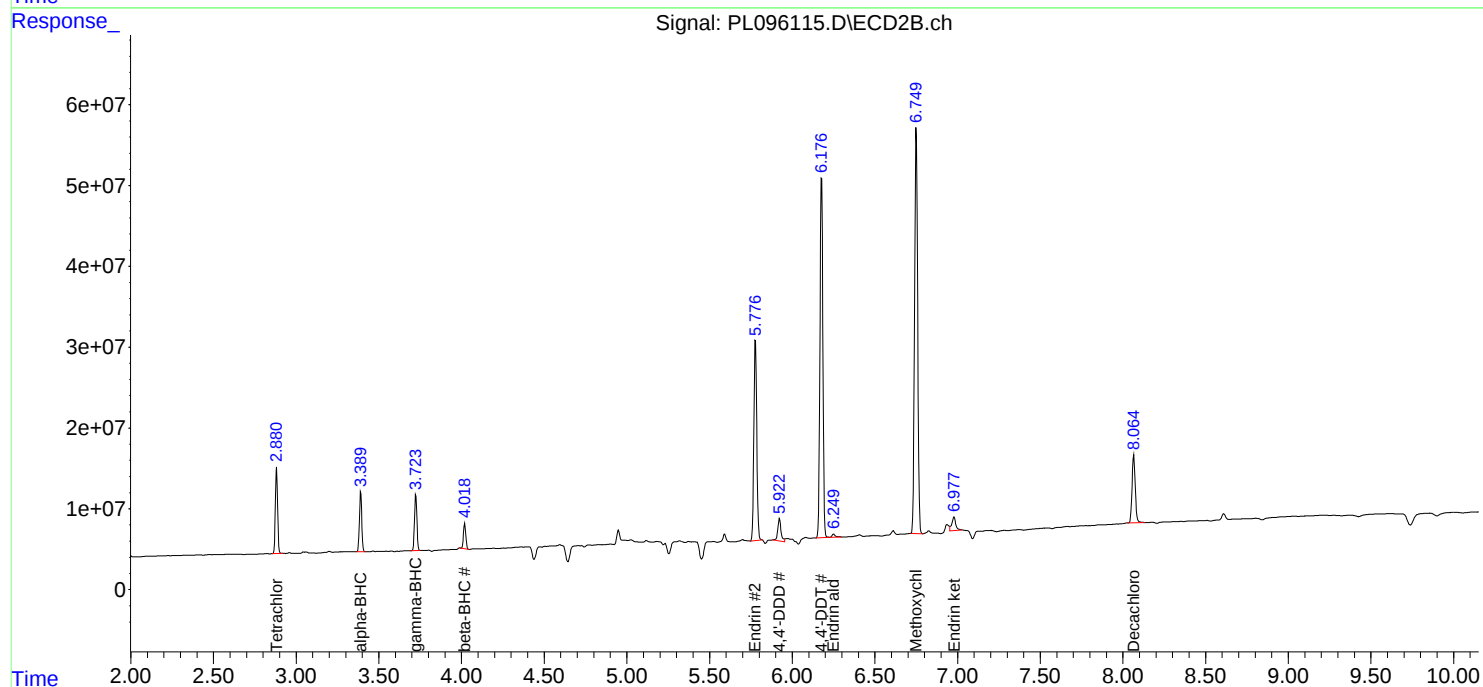
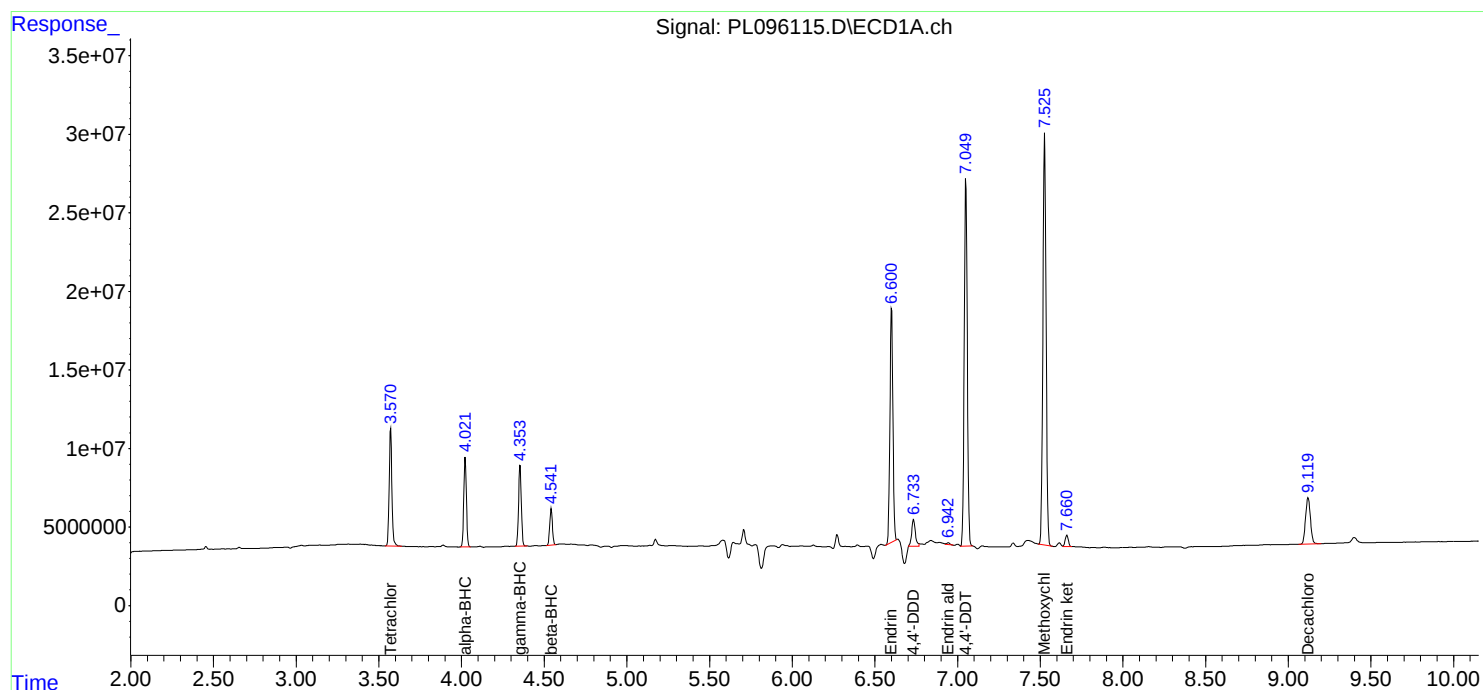
Instrument :
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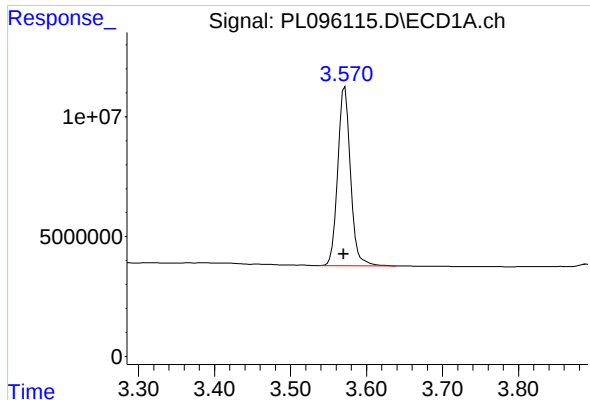
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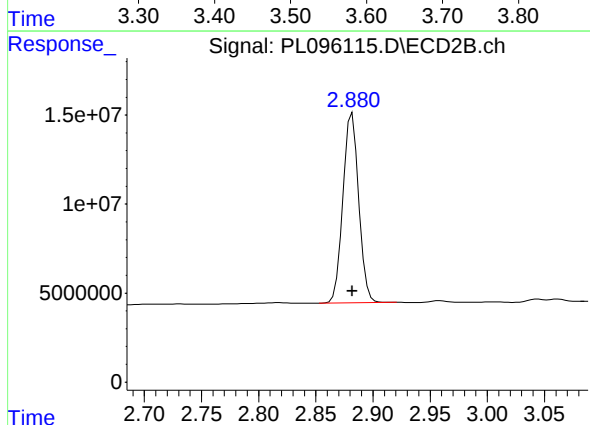
#1 Tetrachloro-m-xylene

R.T.: 3.572 min
Delta R.T.: 0.002 min
Response: 86336294
Conc: 23.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

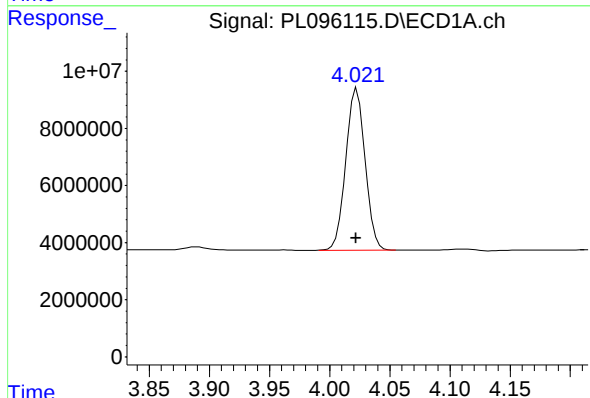
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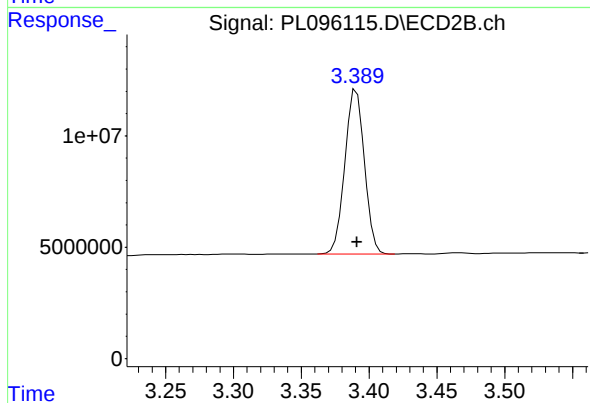
#1 Tetrachloro-m-xylene

R.T.: 2.882 min
Delta R.T.: 0.000 min
Response: 102585966
Conc: 21.63 ng/ml



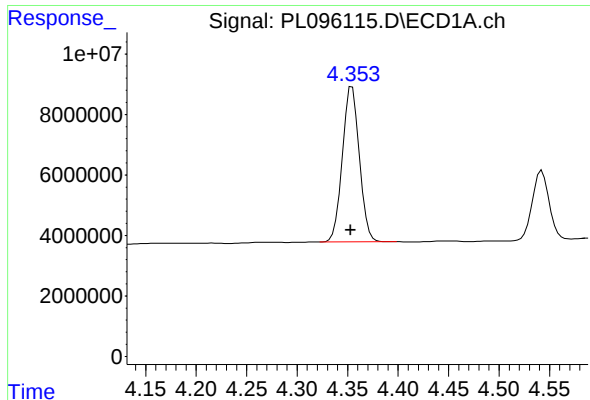
#2 alpha-BHC

R.T.: 4.023 min
Delta R.T.: 0.000 min
Response: 63443717
Conc: 11.20 ng/ml



#2 alpha-BHC

R.T.: 3.391 min
Delta R.T.: 0.000 min
Response: 73759223
Conc: 10.25 ng/ml



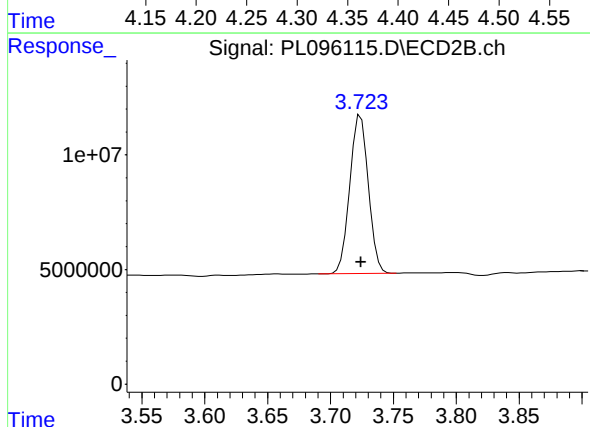
#3 gamma-BHC (Lindane)

R.T.: 4.354 min
Delta R.T.: 0.001 min
Response: 60196603
Conc: 11.38 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

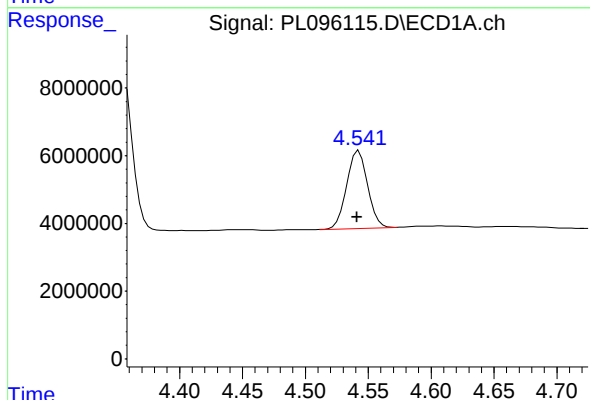
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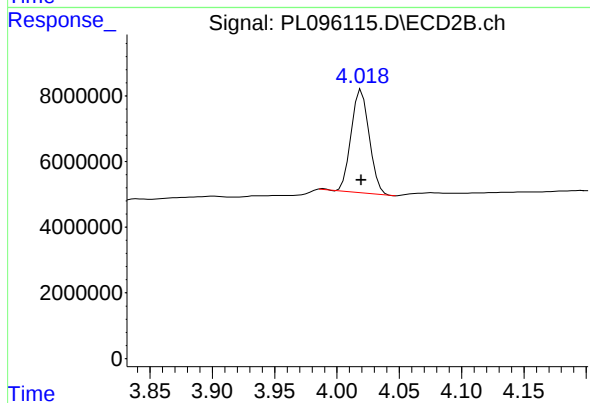
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: 0.000 min
Response: 70575783
Conc: 10.30 ng/ml



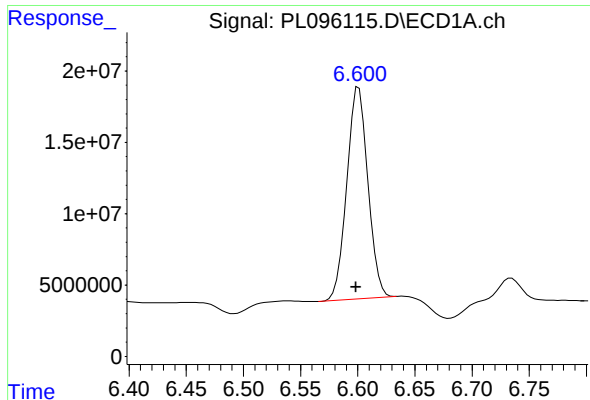
#6 beta-BHC

R.T.: 4.542 min
Delta R.T.: 0.001 min
Response: 26464567
Conc: 11.74 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: 0.000 min
Response: 31871928
Conc: 10.52 ng/ml



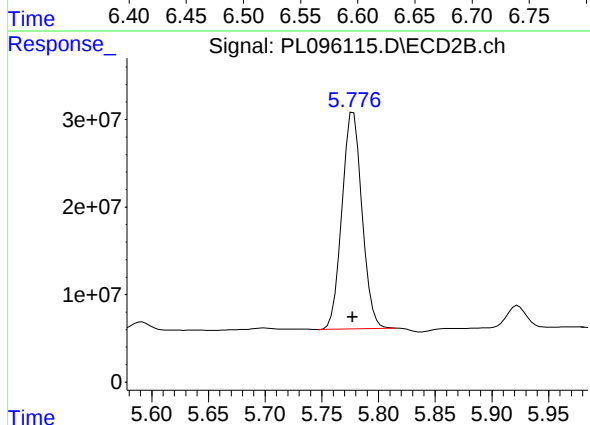
#14 Endrin

R.T.: 6.601 min
Delta R.T.: 0.002 min
Response: 191832402
Conc: 50.47 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

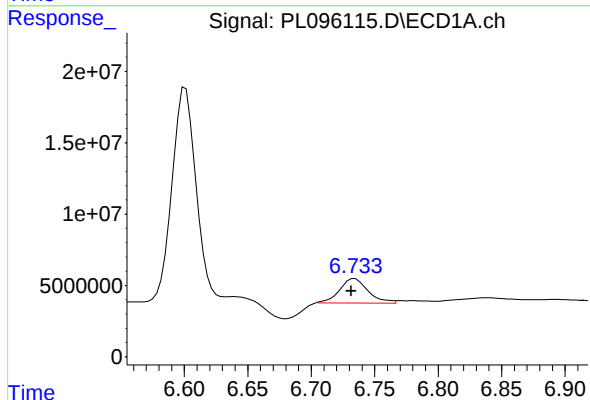
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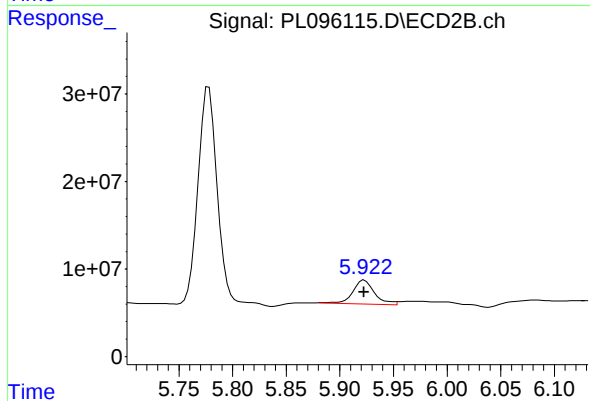
#14 Endrin

R.T.: 5.778 min
Delta R.T.: 0.000 min
Response: 303848027
Conc: 51.19 ng/ml



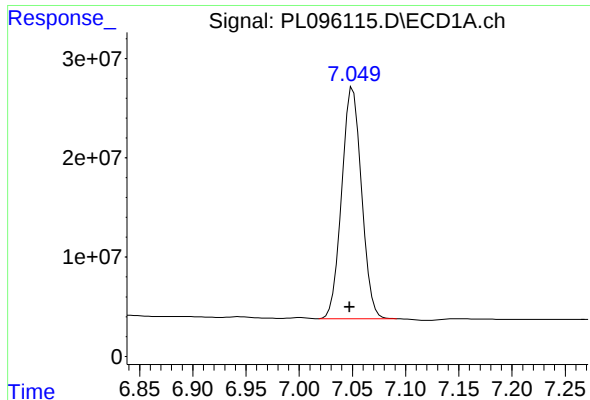
#16 4,4'-DDD

R.T.: 6.733 min
Delta R.T.: 0.001 min
Response: 26521189
Conc: 7.60 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 38196680
Conc: 6.94 ng/ml



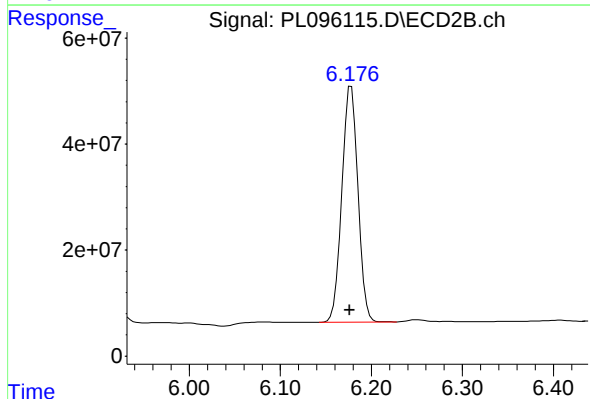
#17 4,4'-DDT

R.T.: 7.051 min
Delta R.T.: 0.003 min
Response: 301043496
Conc: 86.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

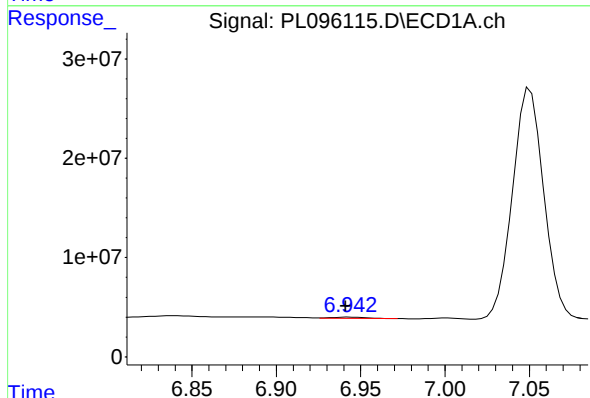
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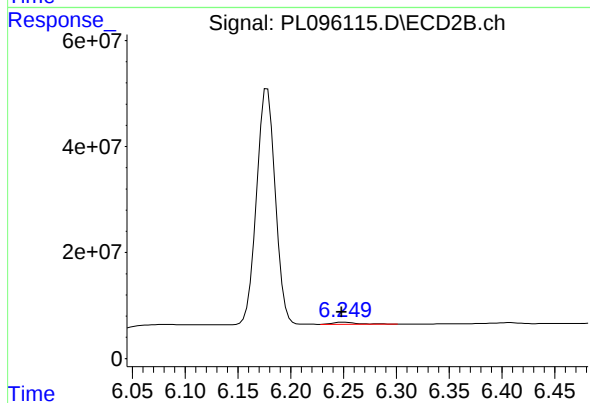
#17 4,4'-DDT

R.T.: 6.178 min
Delta R.T.: 0.001 min
Response: 548036620
Conc: 91.34 ng/ml



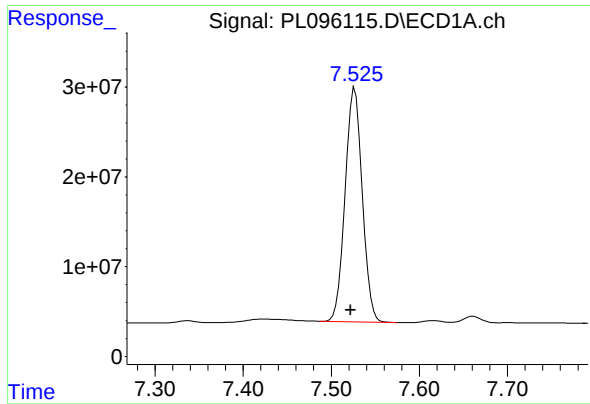
#18 Endrin aldehyde

R.T.: 6.942 min
Delta R.T.: 0.001 min
Response: 1693216
Conc: 0.60 ng/ml m



#18 Endrin aldehyde

R.T.: 6.250 min
Delta R.T.: 0.003 min
Response: 5314605
Conc: 1.18 ng/ml



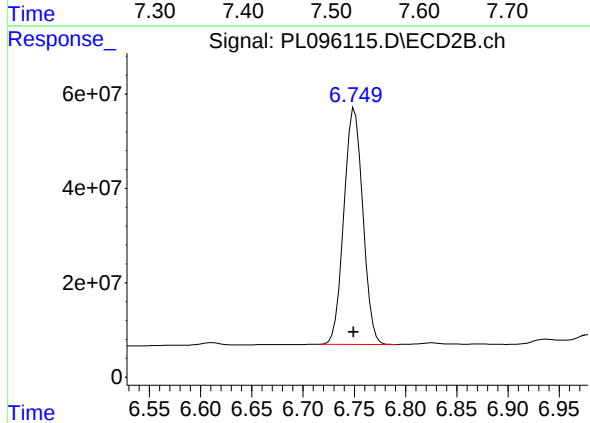
#20 Methoxychlor

R.T.: 7.527 min
Delta R.T.: 0.005 min
Response: 352942223
Conc: 198.22 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

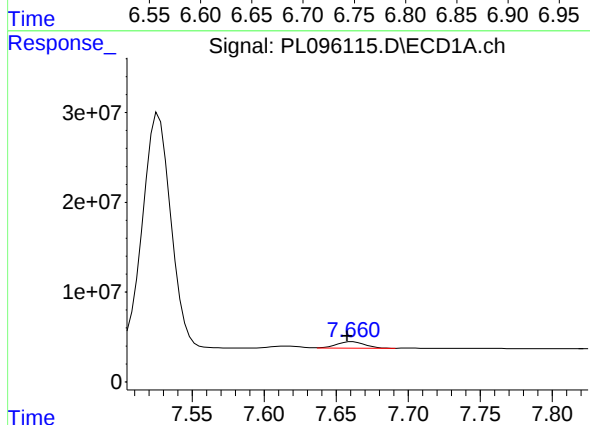
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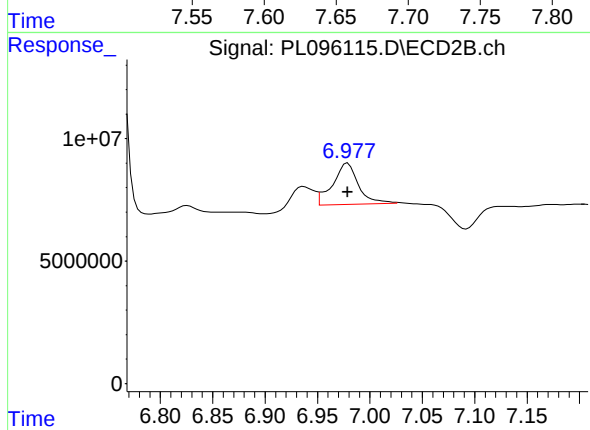
#20 Methoxychlor

R.T.: 6.750 min
Delta R.T.: 0.000 min
Response: 642189178
Conc: 195.76 ng/ml



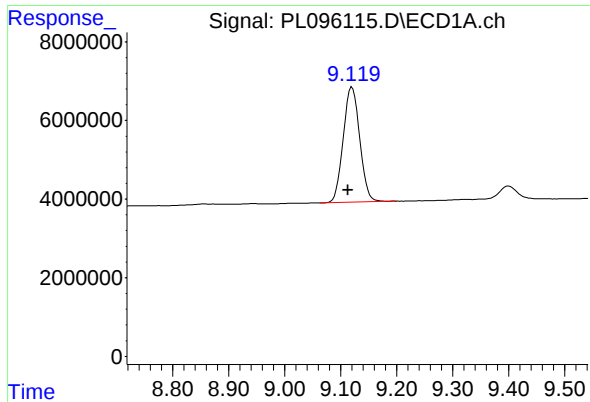
#21 Endrin ketone

R.T.: 7.661 min
Delta R.T.: 0.004 min
Response: 9678389
Conc: 2.49 ng/ml



#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.001 min
Response: 28656237
Conc: 4.32 ng/ml m



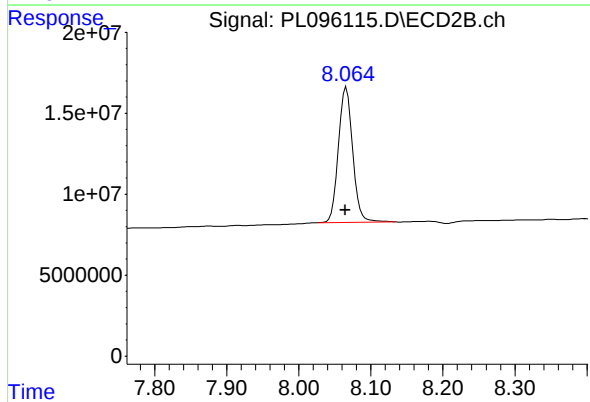
#28 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: 0.008 min
Response: 59920778
Conc: 20.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.066 min
Delta R.T.: 0.001 min
Response: 114457096
Conc: 18.99 ng/ml