

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096567.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 18:37
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 07/25/2025
 Supervised By : mohammad ahmed 07/29/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 24 23:35:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
 Quant Title : GC Extractables
 QLast Update : Mon Jul 07 15:22:07 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...	3.536	2.829	78465902	128.1E6	21.504	22.202
28)	SA Decachlor...	9.015	7.993	57496025	91447253	20.439	18.339
Target Compounds							
2)	A alpha-BHC	3.983	3.334	54628955	93365323	10.622	11.070
3)	MA gamma-BHC...	4.310	3.665	54019174	86972155	10.848	11.043
6)	B beta-BHC	4.497	3.962	23472467	39163237	11.291	11.438
14)	MA Endrin	6.542	5.709	172.5E6	313.4E6	55.456	51.399
16)	A 4,4'-DDD	6.675	5.856	31177329	44019599	10.708	8.583
17)	MA 4,4'-DDT	6.989	6.109	276.5E6	524.6E6	91.108	91.470
18)	B Endrin al...	6.885	6.178	3534498	17458930	1.581m	3.919 #
20)	A Methoxychlor	7.461	6.681	347.7E6	619.8E6	220.732	204.041
21)	B Endrin ke...	7.596	6.906	12379426	25424421	3.749	4.066

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

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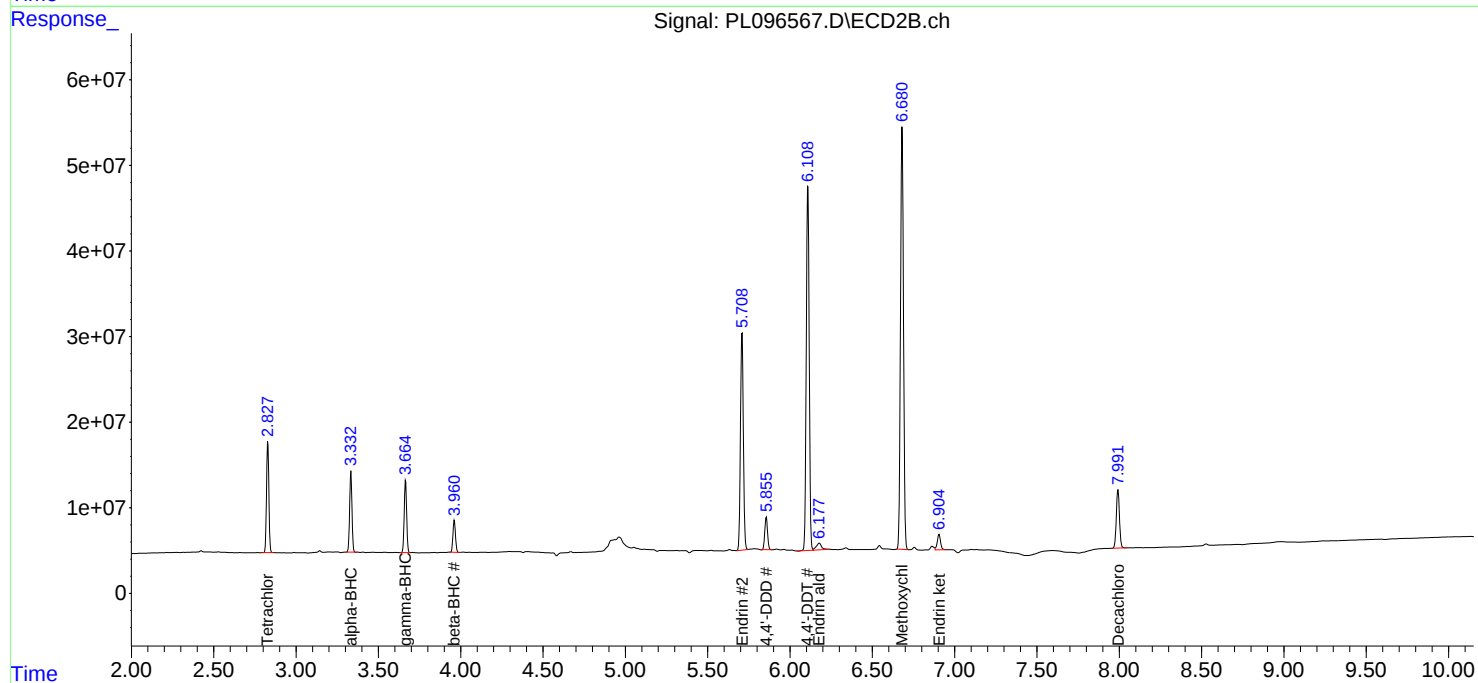
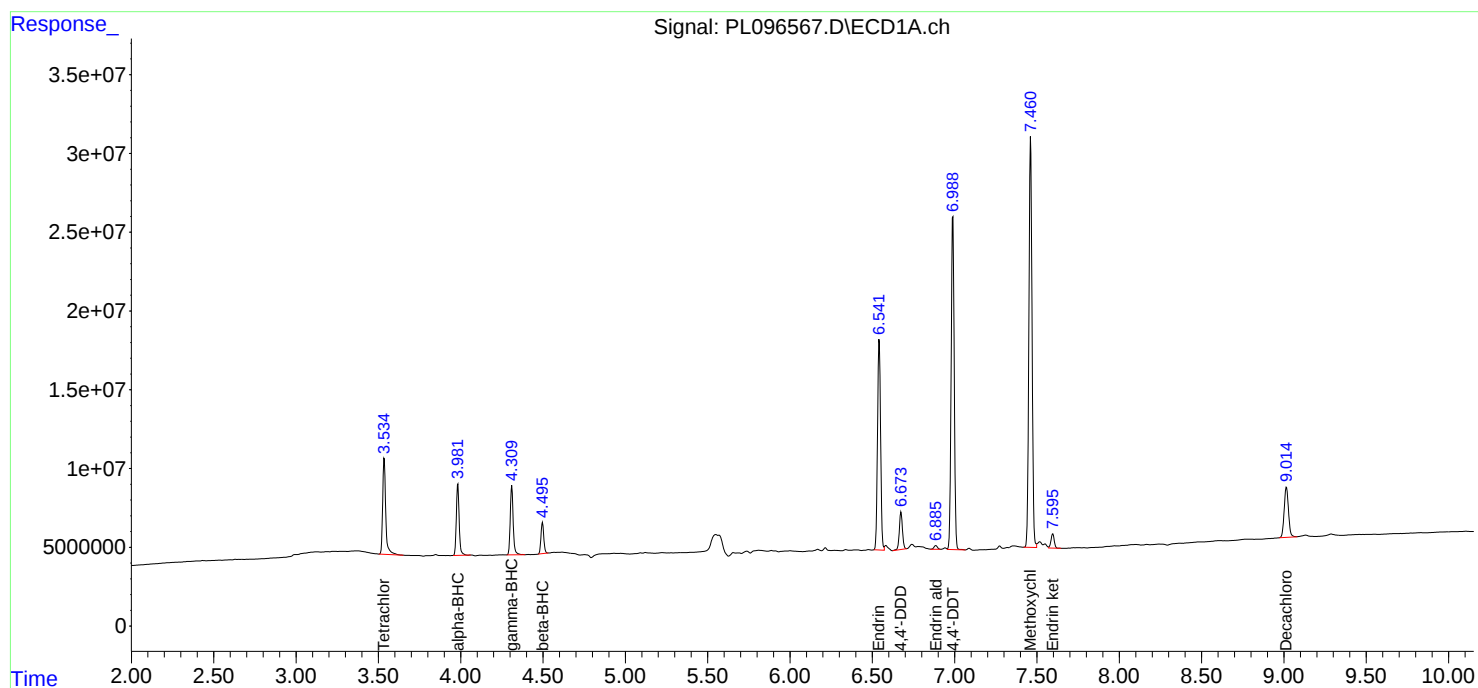
Instrument :
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ClientSampleId :
PEM

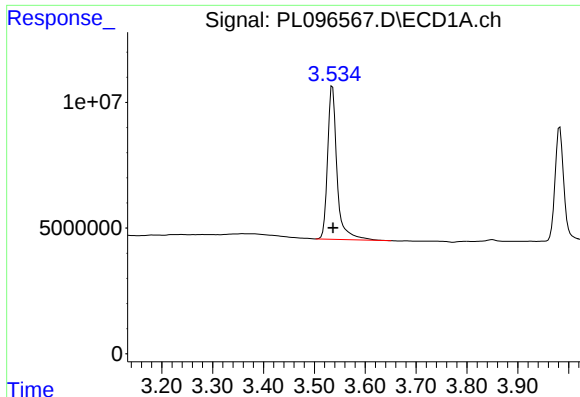
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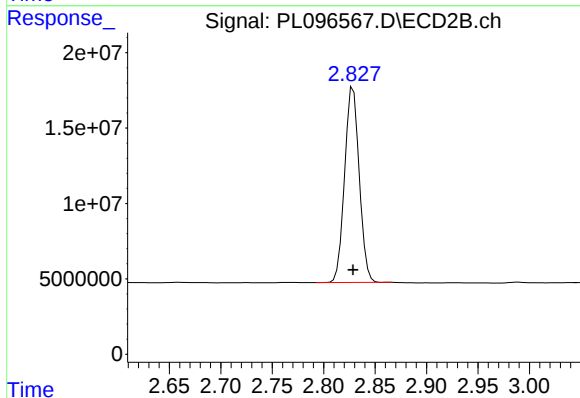
#1 Tetrachloro-m-xylene

R.T.: 3.536 min
Delta R.T.: -0.001 min
Response: 78465902
Conc: 21.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

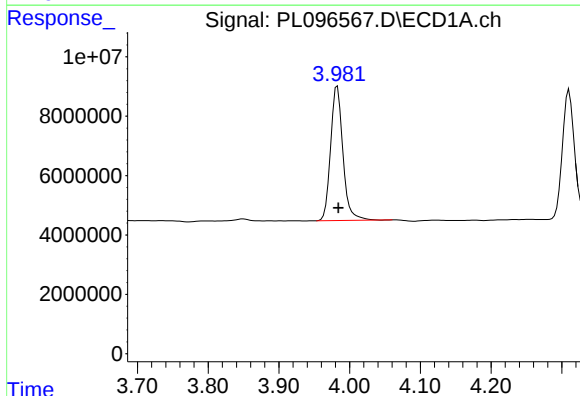
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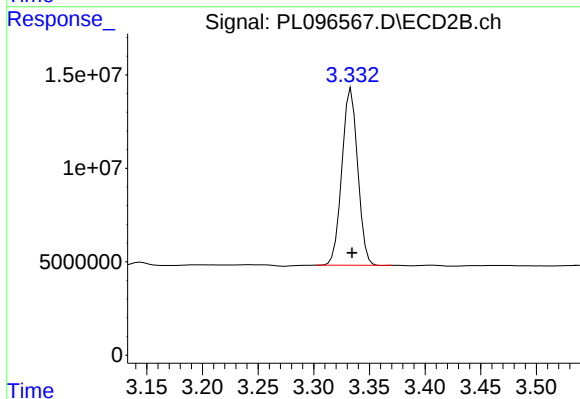
#1 Tetrachloro-m-xylene

R.T.: 2.829 min
Delta R.T.: 0.000 min
Response: 128133610
Conc: 22.20 ng/ml



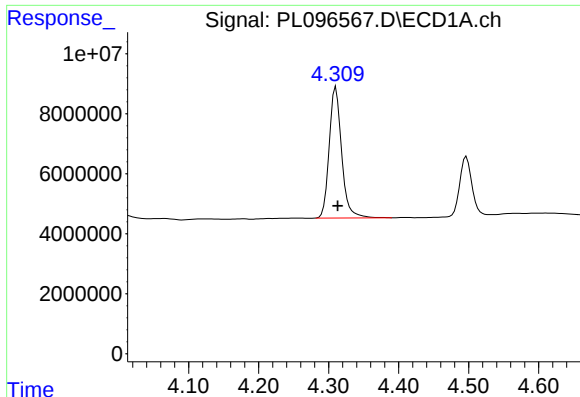
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.002 min
Response: 54628955
Conc: 10.62 ng/ml



#2 alpha-BHC

R.T.: 3.334 min
Delta R.T.: 0.000 min
Response: 93365323
Conc: 11.07 ng/ml



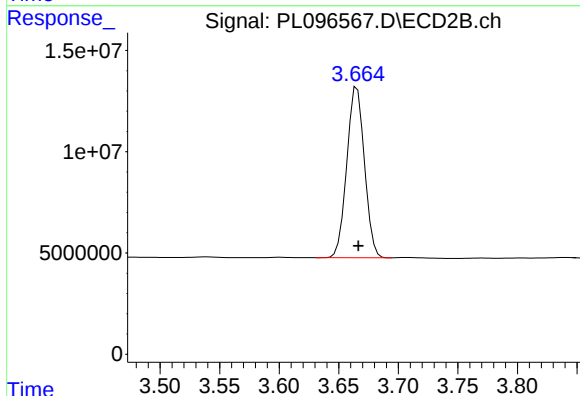
#3 gamma-BHC (Lindane)

R.T.: 4.310 min
Delta R.T.: -0.003 min
Response: 54019174
Conc: 10.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

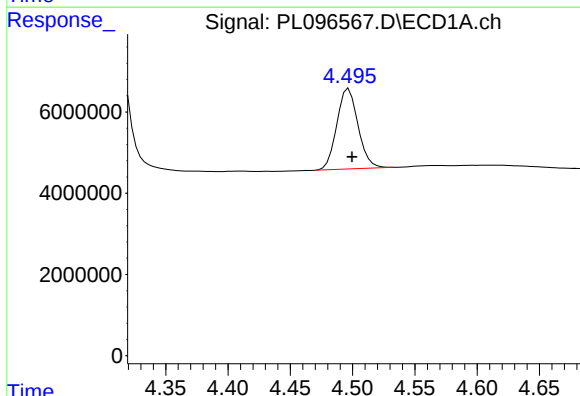
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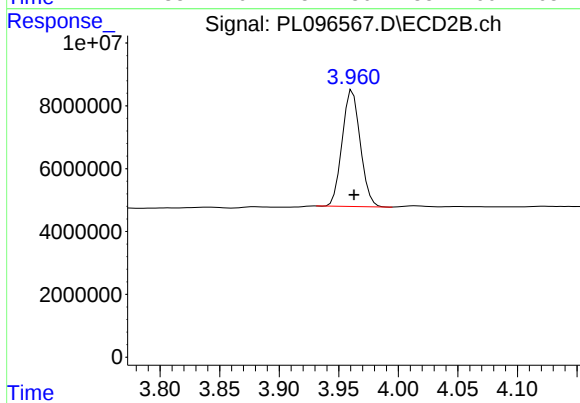
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.001 min
Response: 86972155
Conc: 11.04 ng/ml



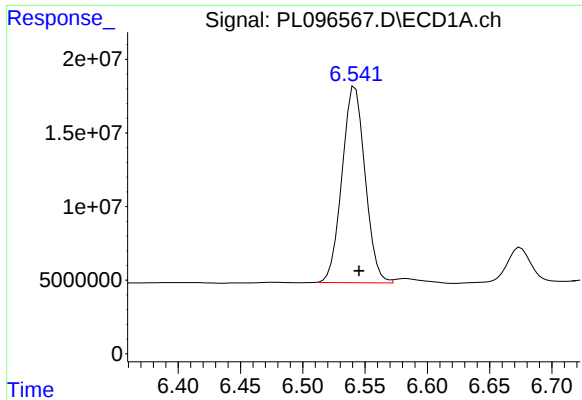
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.003 min
Response: 23472467
Conc: 11.29 ng/ml



#6 beta-BHC

R.T.: 3.962 min
Delta R.T.: -0.001 min
Response: 39163237
Conc: 11.44 ng/ml



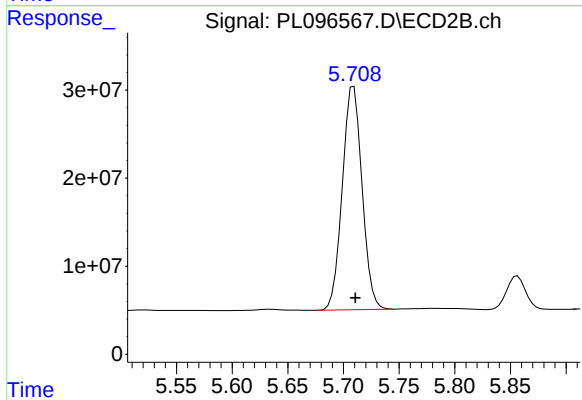
#14 Endrin

R.T.: 6.542 min
Delta R.T.: -0.003 min
Response: 172480211
Conc: 55.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

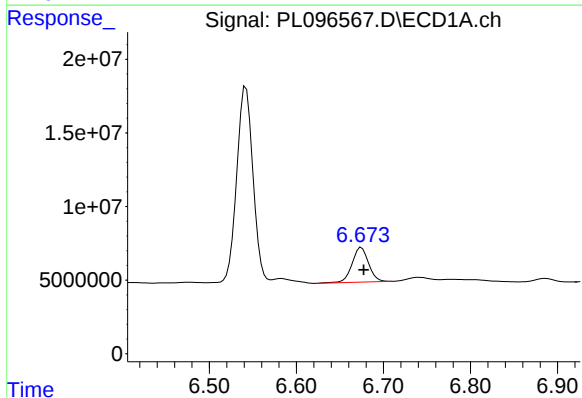
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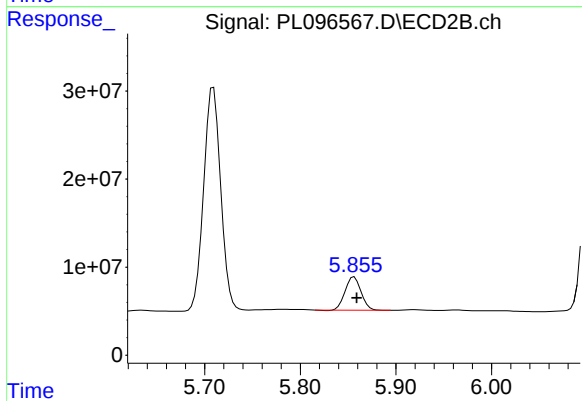
#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.002 min
Response: 313353569
Conc: 51.40 ng/ml



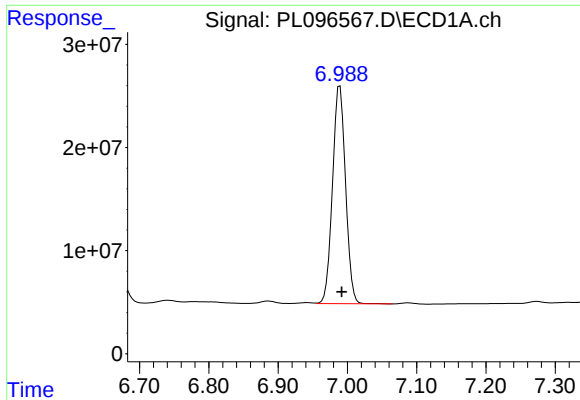
#16 4,4'-DDD

R.T.: 6.675 min
Delta R.T.: -0.002 min
Response: 31177329
Conc: 10.71 ng/ml



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 44019599
Conc: 8.58 ng/ml



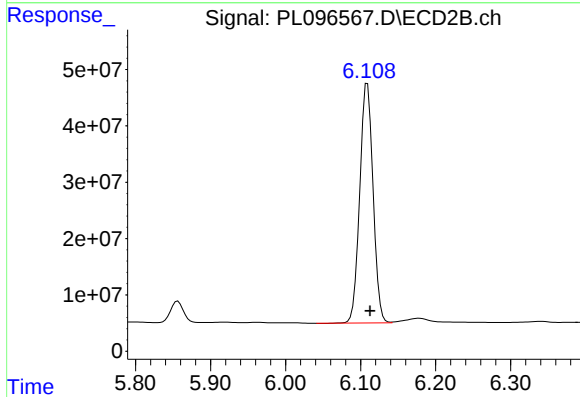
#17 4,4'-DDT

R.T.: 6.989 min
Delta R.T.: -0.003 min
Response: 276532285
Conc: 91.11 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

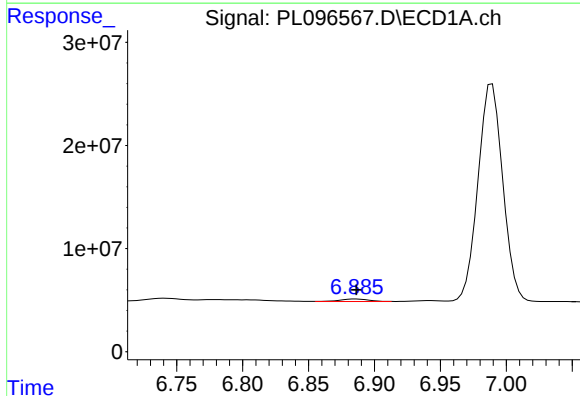
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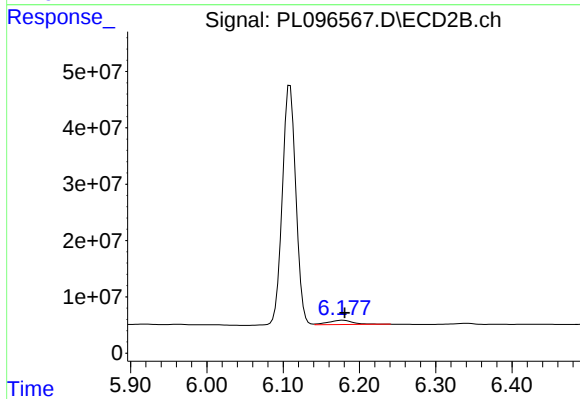
#17 4,4'-DDT

R.T.: 6.109 min
Delta R.T.: -0.003 min
Response: 524592061
Conc: 91.47 ng/ml



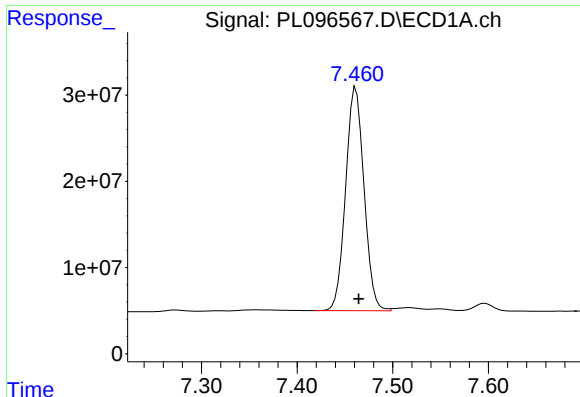
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.002 min
Response: 3534498
Conc: 1.58 ng/ml m



#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 17458930
Conc: 3.92 ng/ml



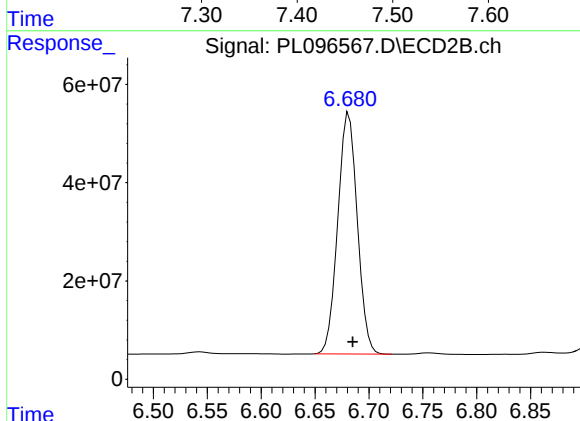
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.003 min
Response: 347741306
Conc: 220.73 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

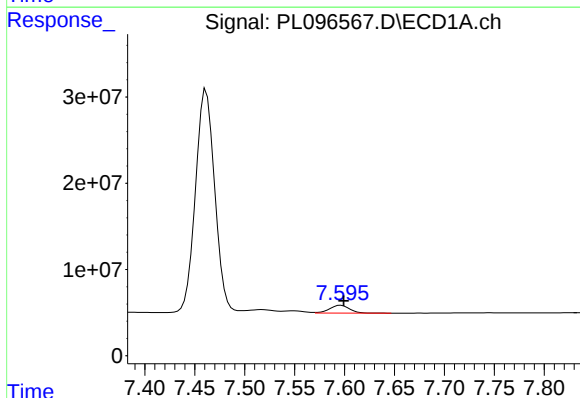
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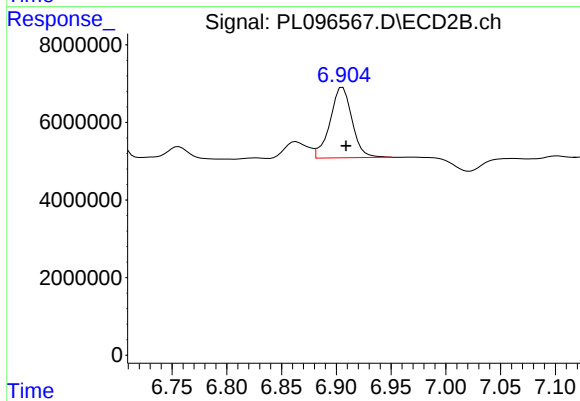
#20 Methoxychlor

R.T.: 6.681 min
Delta R.T.: -0.003 min
Response: 619829062
Conc: 204.04 ng/ml



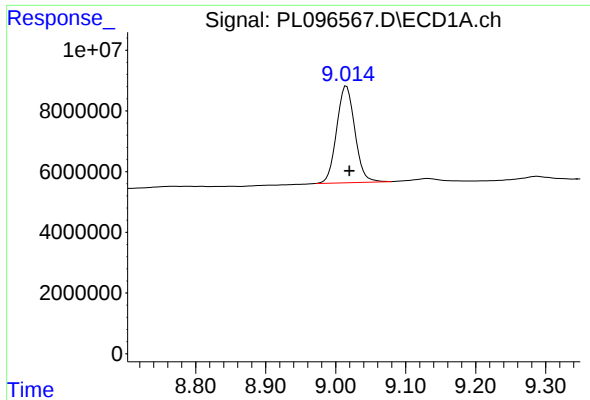
#21 Endrin ketone

R.T.: 7.596 min
Delta R.T.: -0.003 min
Response: 12379426
Conc: 3.75 ng/ml



#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 25424421
Conc: 4.07 ng/ml



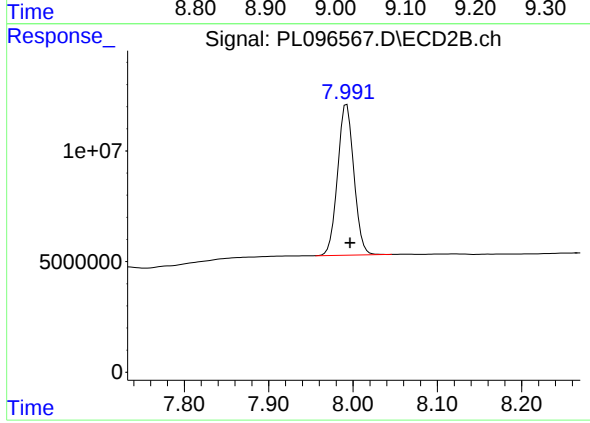
#28 Decachlorobiphenyl

R.T.: 9.015 min
Delta R.T.: -0.004 min
Response: 57496025
Conc: 20.44 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.993 min
Delta R.T.: -0.004 min
Response: 91447253
Conc: 18.34 ng/ml