

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096867.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 19:14
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 19 06:02:01 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	2.825	72483202	105.1E6	22.788	21.995
28)	SA Decachlor...	9.004	7.986	54559473	93918841	22.879	21.649
Target Compounds							
2)	A alpha-BHC	3.977	3.330	51144479	74676686	11.055	10.552
3)	MA gamma-BHC...	4.304	3.662	50242889	70338899	11.358m	10.652
6)	B beta-BHC	4.490	3.958	21868485	33027043	12.116m	11.708
12)	B 4,4'-DDE	6.160	5.297	1931197	611305	0.601m	0.111m#
14)	MA Endrin	6.534	5.704	155.6E6	256.5E6	51.418m	47.451
16)	A 4,4'-DDD	6.668	5.851	19562396	33355002	7.737	7.089
17)	MA 4,4'-DDT	6.982	6.104	274.2E6	467.8E6	95.602	92.483
18)	B Endrin al...	6.876	6.174	4649381	15613447	2.167m	4.295 #
20)	A Methoxychlor	7.455	6.675	337.2E6	565.9E6	229.623	206.507m
21)	B Endrin ke...	7.589	6.900	14384084	24885023	4.784	4.468m

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

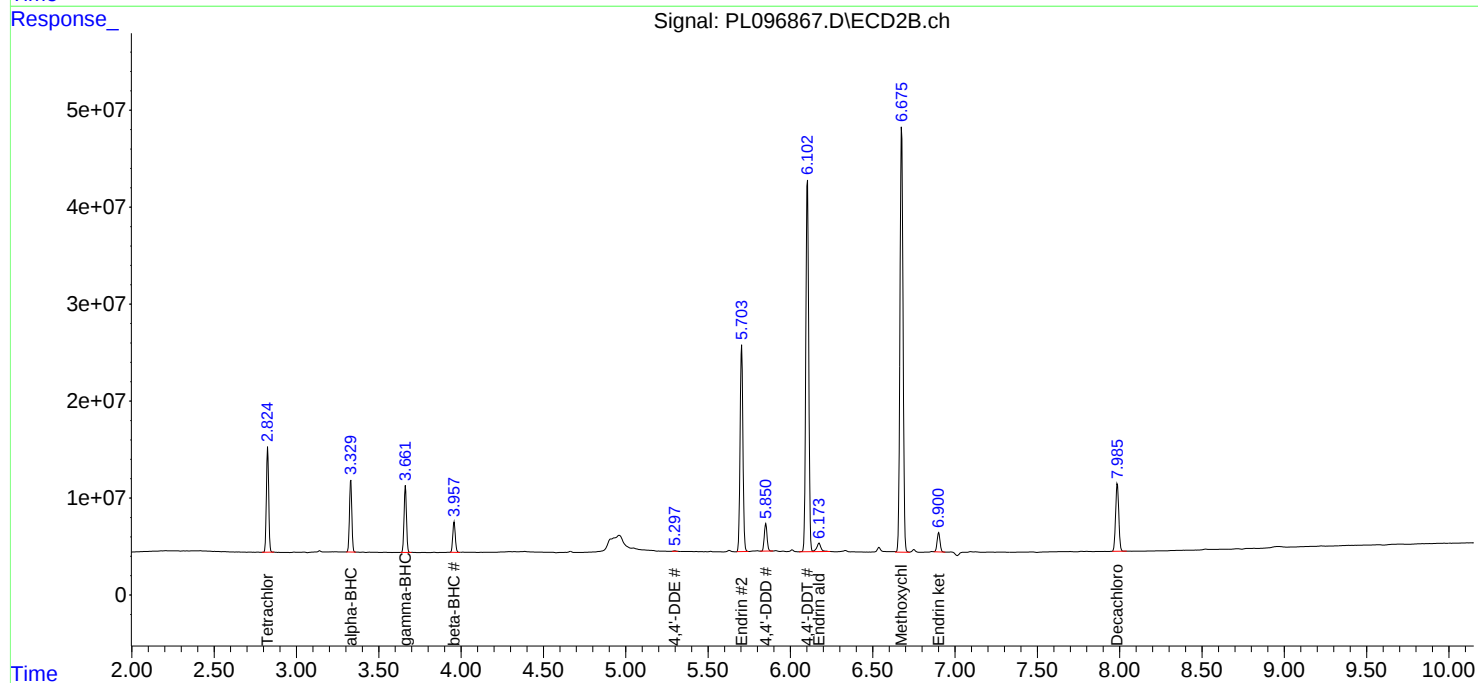
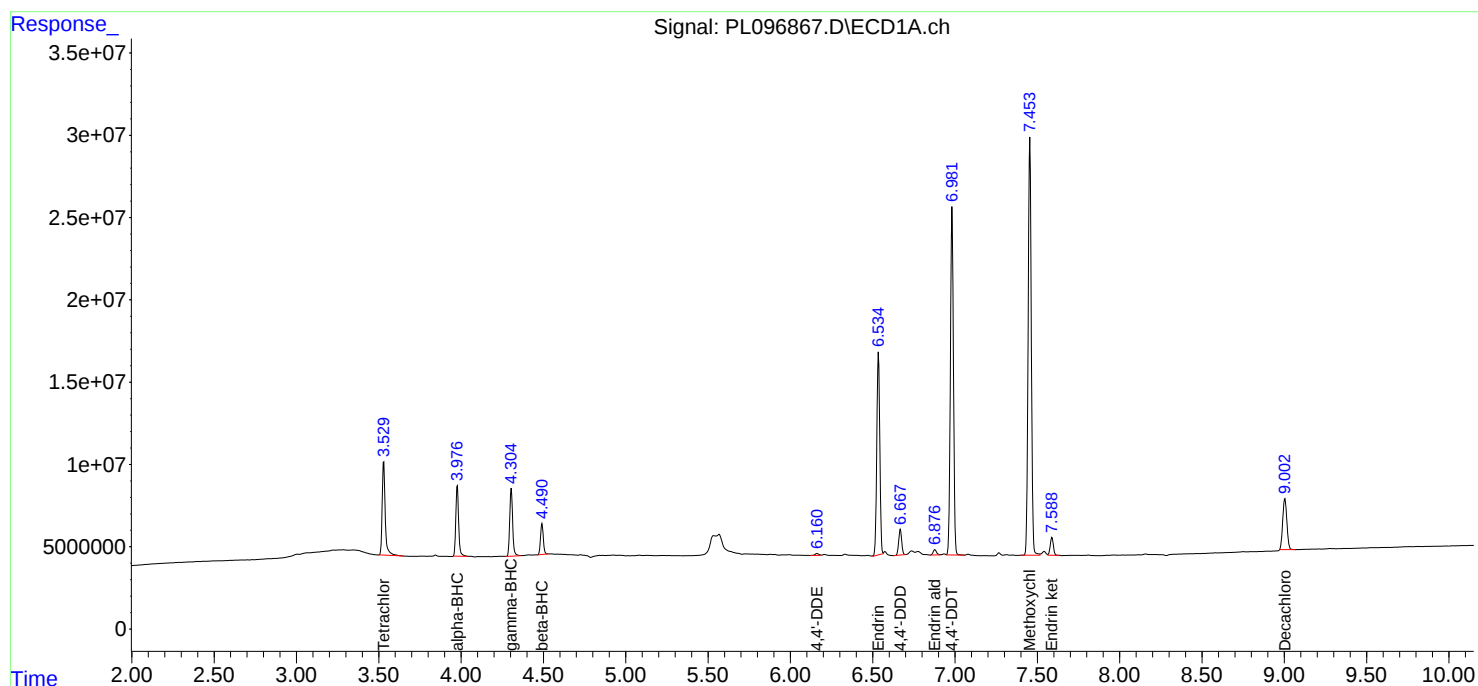
Instrument :
ECD_L
ClientSampleId :
PEM

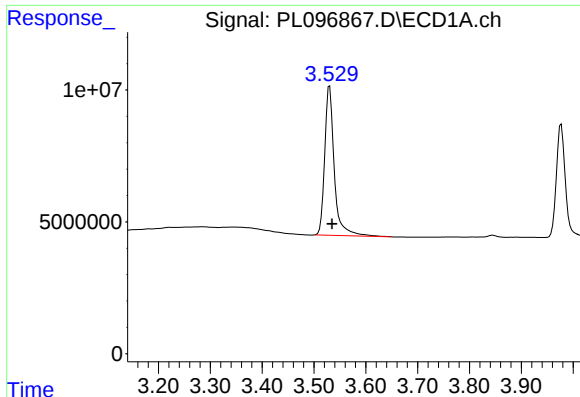
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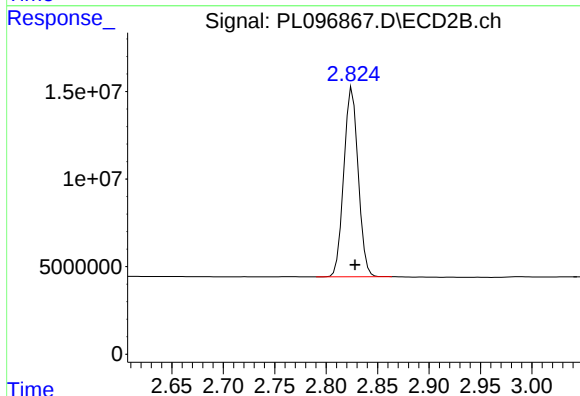
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 72483202
Conc: 22.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

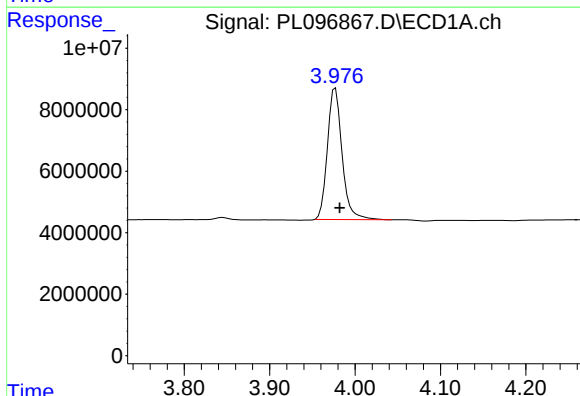
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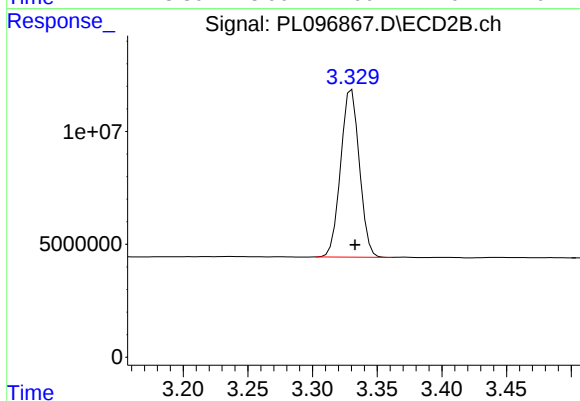
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 105085146
Conc: 21.99 ng/ml



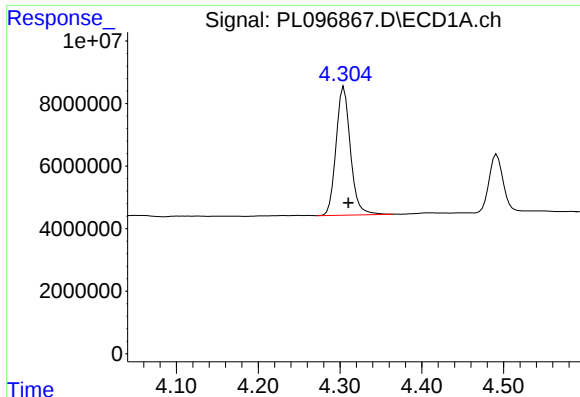
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 51144479
Conc: 11.06 ng/ml



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 74676686
Conc: 10.55 ng/ml



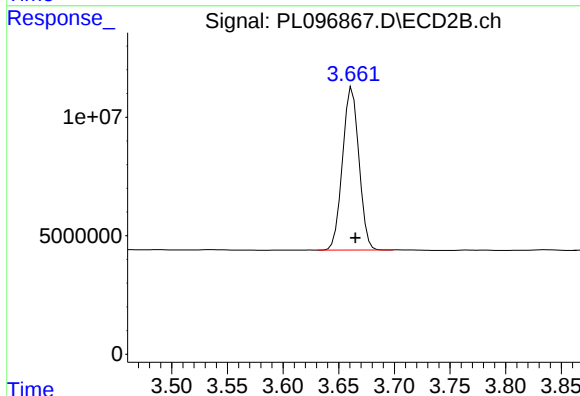
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.007 min
Response: 50242889
Conc: 11.36 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

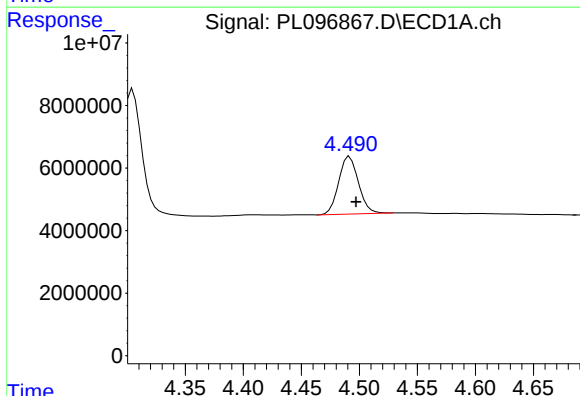
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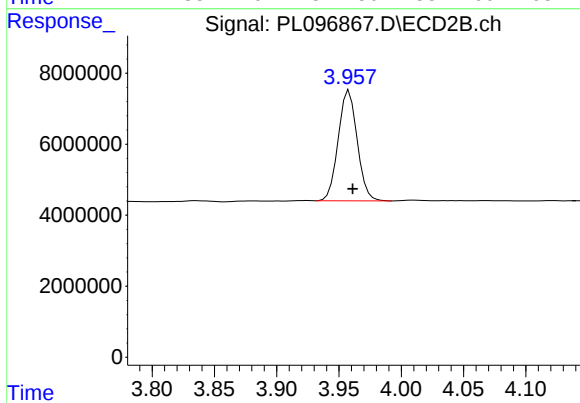
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 70338899
Conc: 10.65 ng/ml



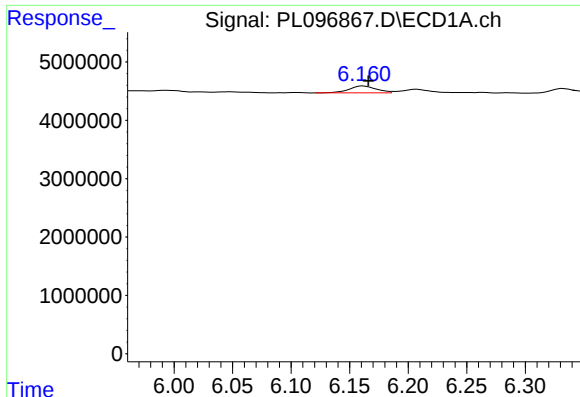
#6 beta-BHC

R.T.: 4.490 min
Delta R.T.: -0.007 min
Response: 21868485
Conc: 12.12 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 33027043
Conc: 11.71 ng/ml



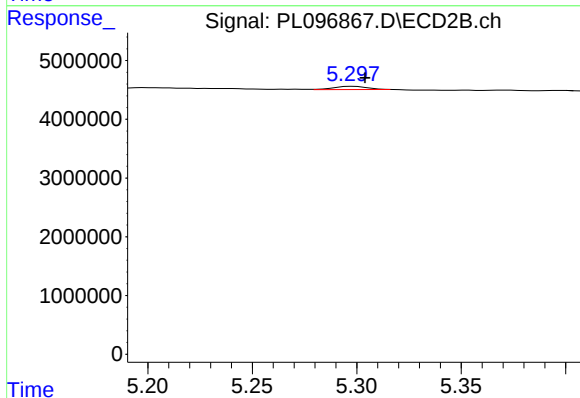
#12 4,4'-DDE

R.T.: 6.160 min
Delta R.T.: -0.006 min
Response: 1931197
Conc: 0.60 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

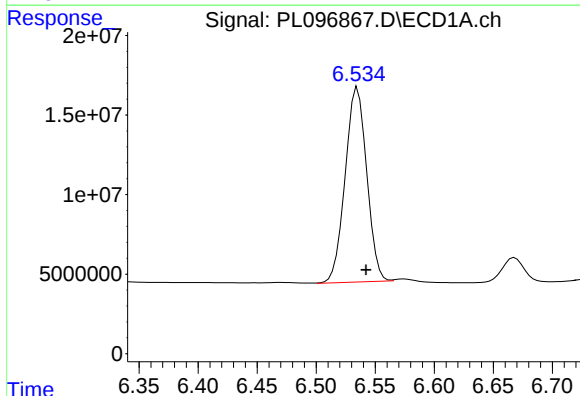
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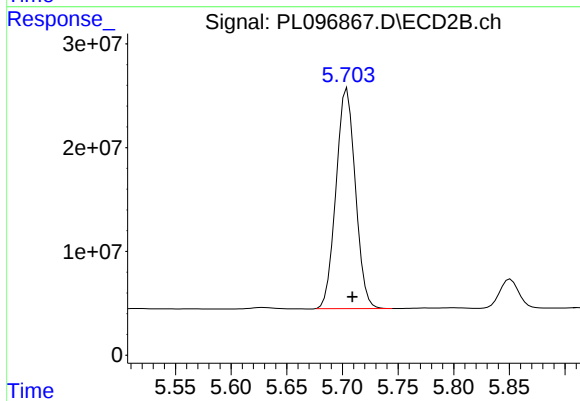
#12 4,4'-DDE

R.T.: 5.297 min
Delta R.T.: -0.007 min
Response: 611305
Conc: 0.11 ng/ml m



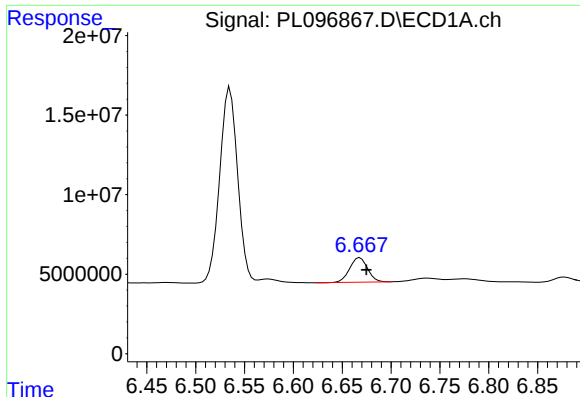
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 155632775
Conc: 51.42 ng/ml m



#14 Endrin

R.T.: 5.704 min
Delta R.T.: -0.005 min
Response: 256518482
Conc: 47.45 ng/ml



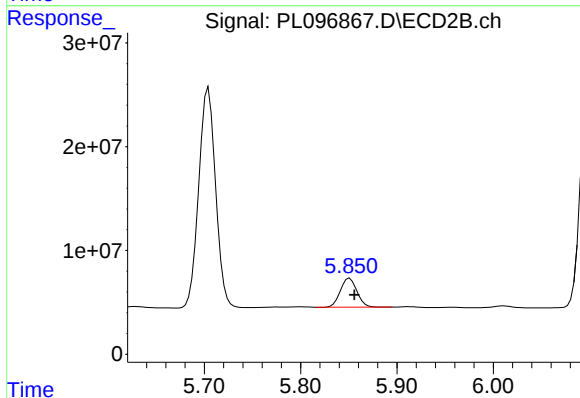
#16 4,4'-DDD

R.T.: 6.668 min
Delta R.T.: -0.007 min
Response: 19562396
Conc: 7.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

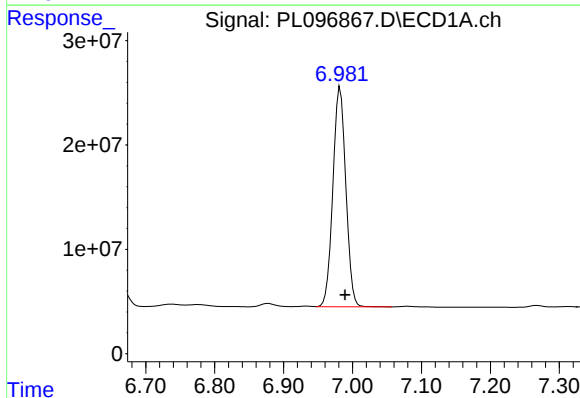
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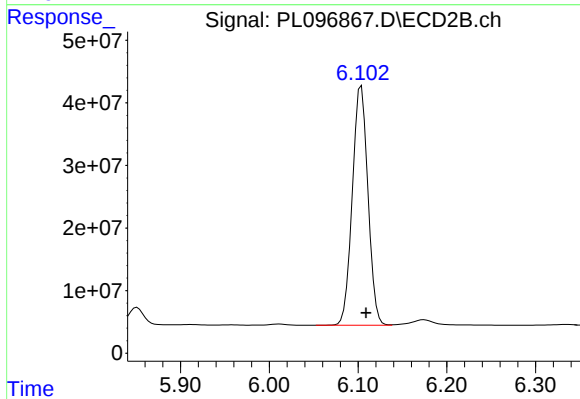
#16 4,4'-DDD

R.T.: 5.851 min
Delta R.T.: -0.005 min
Response: 33355002
Conc: 7.09 ng/ml



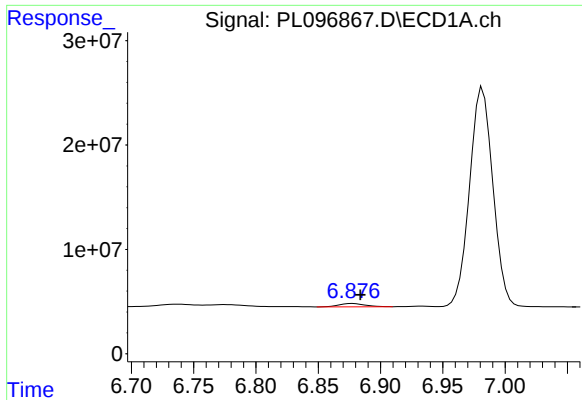
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 274156426
Conc: 95.60 ng/ml



#17 4,4'-DDT

R.T.: 6.104 min
Delta R.T.: -0.005 min
Response: 467806782
Conc: 92.48 ng/ml



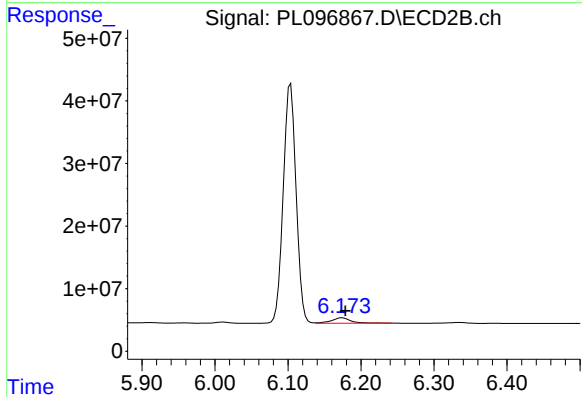
#18 Endrin aldehyde

R.T.: 6.876 min
Delta R.T.: -0.008 min
Response: 4649381
Conc: 2.17 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

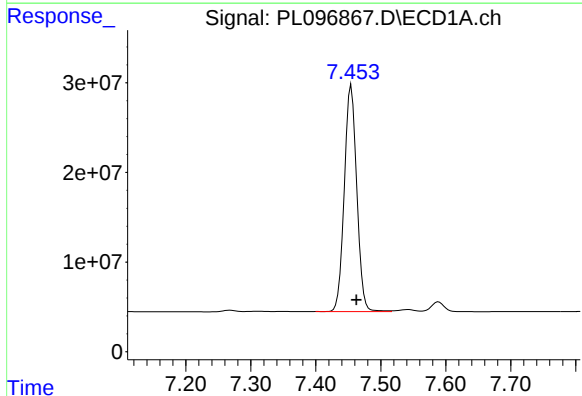
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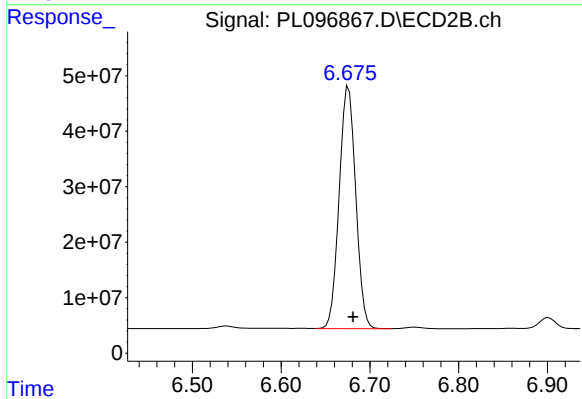
#18 Endrin aldehyde

R.T.: 6.174 min
Delta R.T.: -0.005 min
Response: 15613447
Conc: 4.30 ng/ml



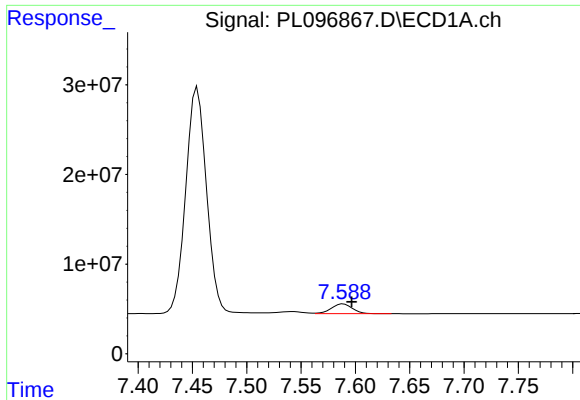
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.008 min
Response: 337167343
Conc: 229.62 ng/ml



#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 565932272
Conc: 206.51 ng/ml m



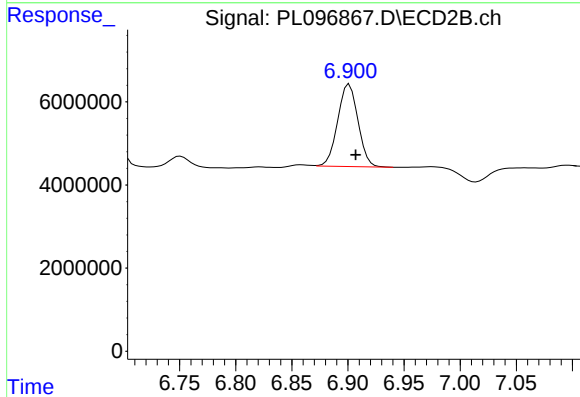
#21 Endrin ketone

R.T.: 7.589 min
Delta R.T.: -0.008 min
Response: 14384084
Conc: 4.78 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

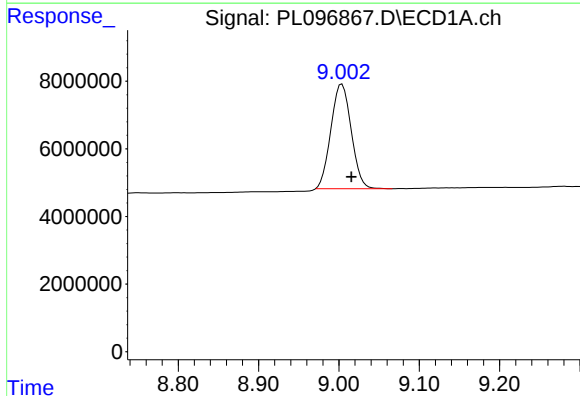
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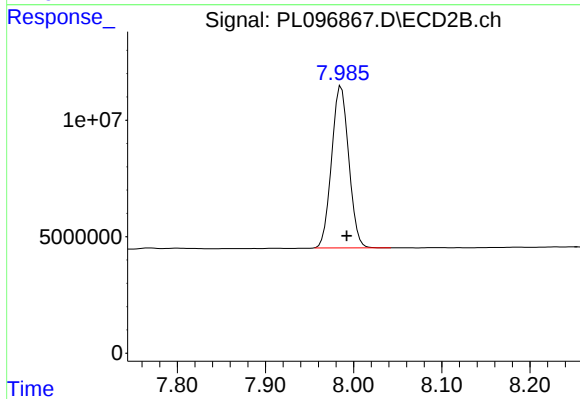
#21 Endrin ketone

R.T.: 6.900 min
Delta R.T.: -0.007 min
Response: 24885023
Conc: 4.47 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 54559473
Conc: 22.88 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.986 min
Delta R.T.: -0.006 min
Response: 93918841
Conc: 21.65 ng/ml