

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081625\
 Data File : PL096836.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Aug 2025 20:07
 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 18 05:56:38 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	69382655	100.9E6	21.813	21.115
28)	SA Decachlor...	9.004	7.986	51106982	92284478	21.432	21.272
Target Compounds							
2)	A alpha-BHC	3.977	3.331	48480683	71648677	10.479	10.124
3)	MA gamma-BHC...	4.305	3.662	47716628	67995426	10.787	10.297
6)	B beta-BHC	4.491	3.959	20578100	31540061	11.401m	11.181
14)	MA Endrin	6.534	5.705	169.3E6	278.7E6	55.925m	51.558
16)	A 4,4'-DDD	6.666	5.852	8855375	11739415	3.502m	2.495 #
17)	MA 4,4'-DDT	6.982	6.105	297.6E6	495.8E6	103.770	98.008
18)	B Endrin al...	6.880	6.172	3224395	12380465	1.503m	3.406m#
20)	A Methoxychlor	7.455	6.675	371.2E6	615.0E6	252.799	224.401m
21)	B Endrin ke...	7.590	6.901	5861879	7320291	1.950	1.314m#

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

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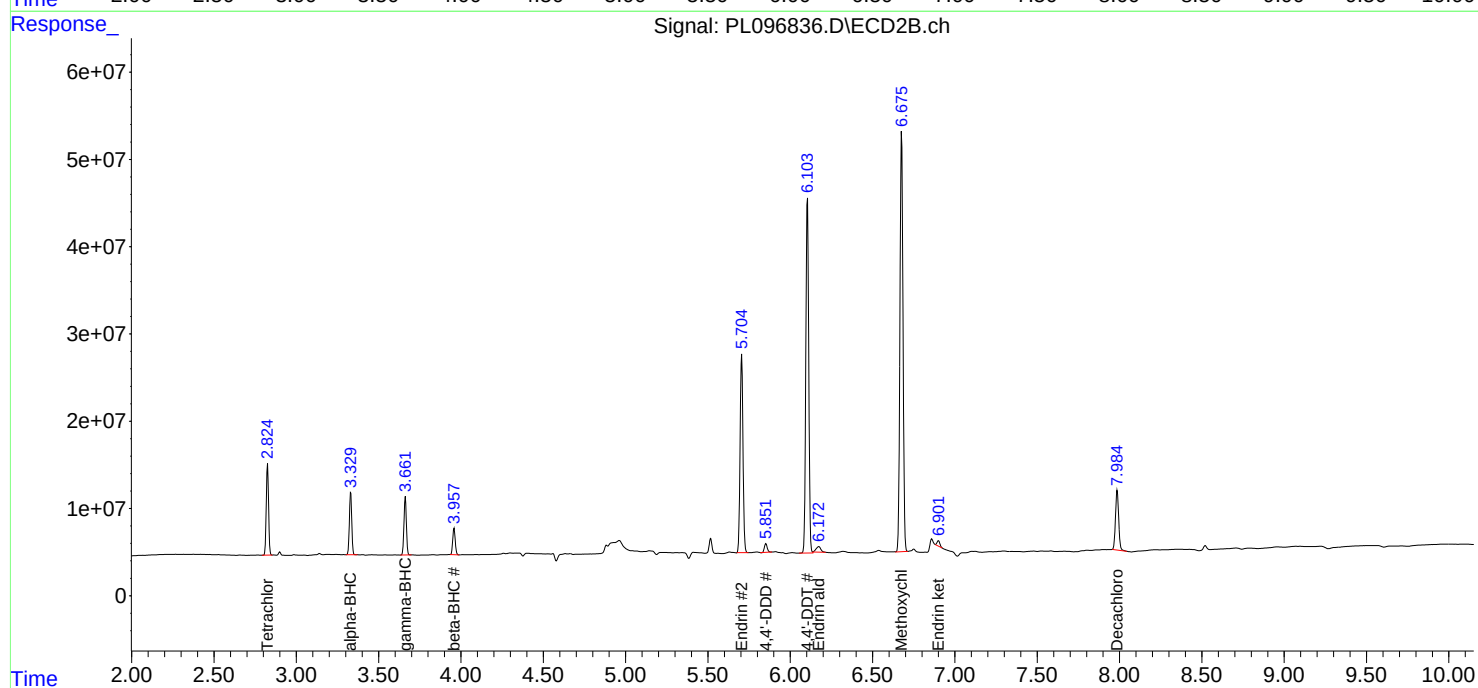
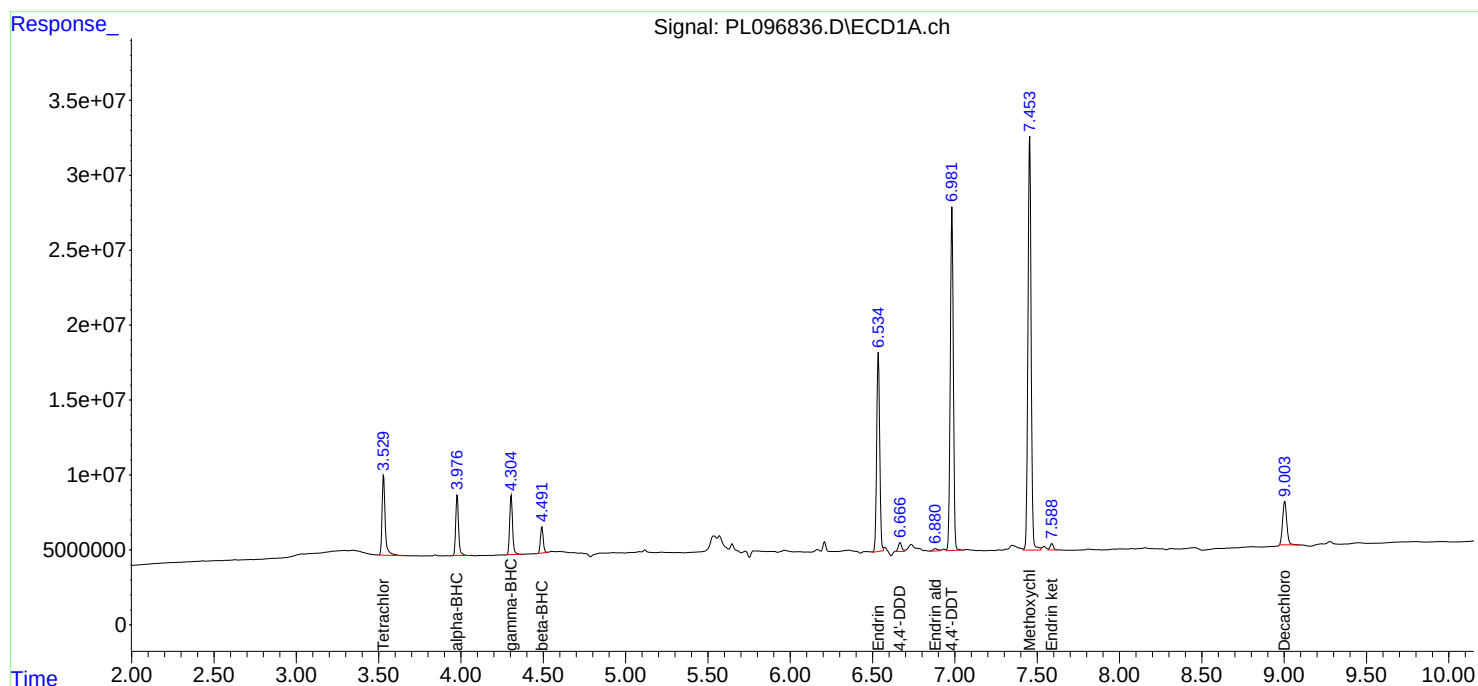
Instrument :
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PEM

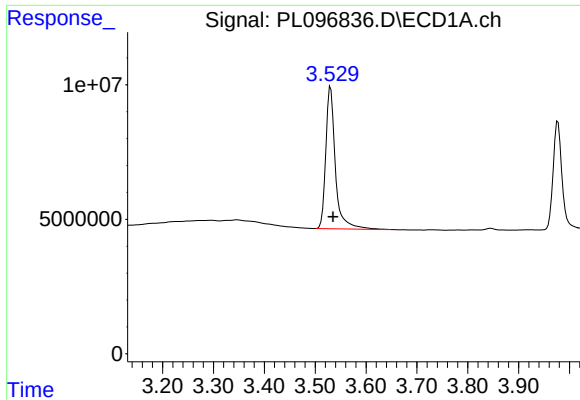
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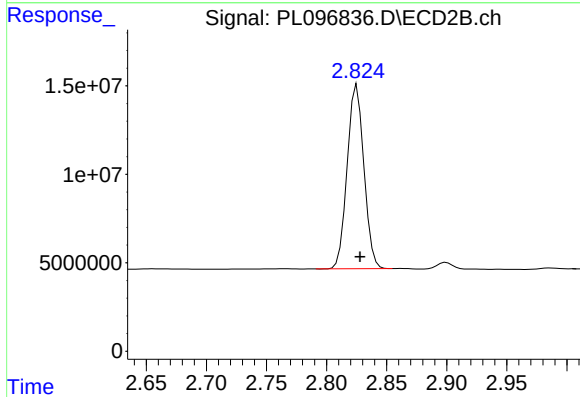
#1 Tetrachloro-m-xylene

R.T.: 3.530 min
Delta R.T.: -0.005 min
Response: 69382655
Conc: 21.81 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

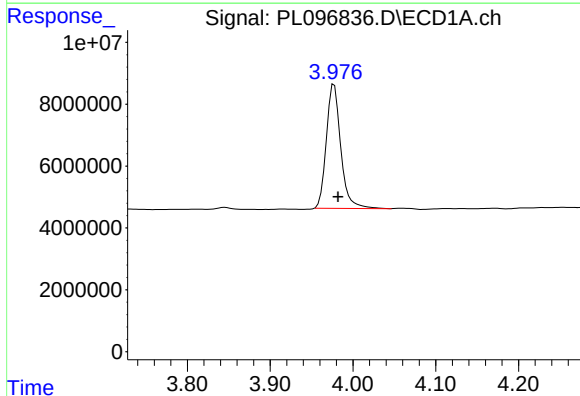
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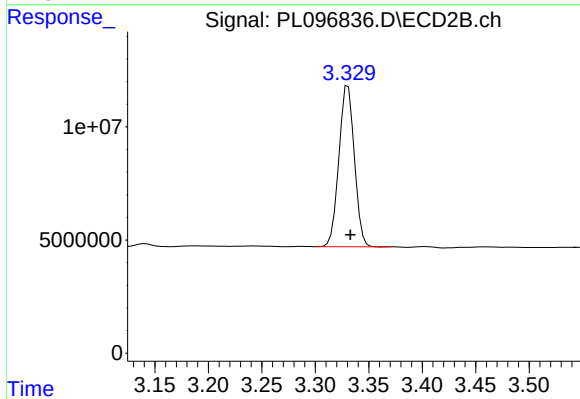
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 100884757
Conc: 21.12 ng/ml



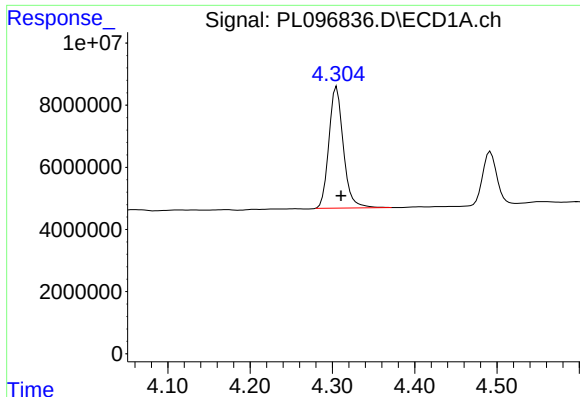
#2 alpha-BHC

R.T.: 3.977 min
Delta R.T.: -0.005 min
Response: 48480683
Conc: 10.48 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.002 min
Response: 71648677
Conc: 10.12 ng/ml



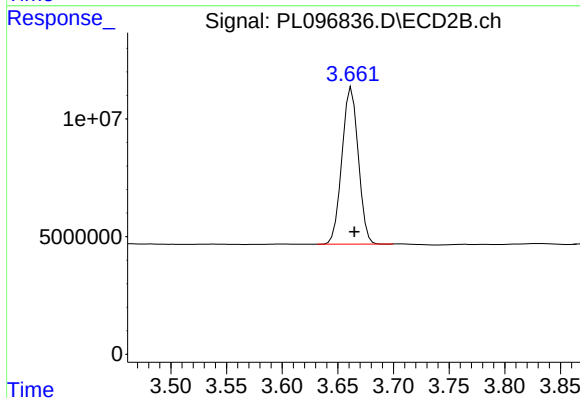
#3 gamma-BHC (Lindane)

R.T.: 4.305 min
Delta R.T.: -0.005 min
Response: 47716628
Conc: 10.79 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

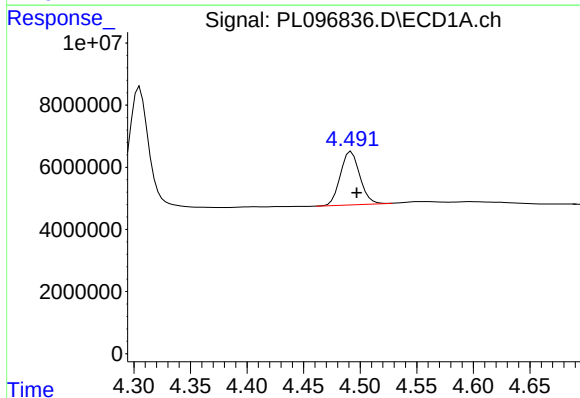
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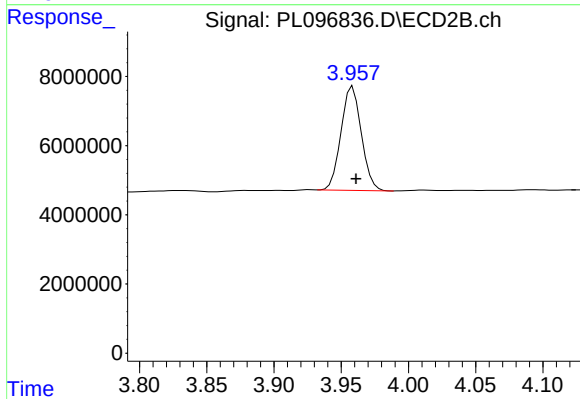
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 67995426
Conc: 10.30 ng/ml



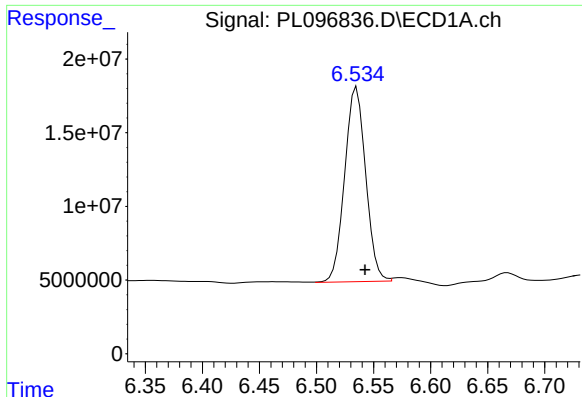
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 20578100
Conc: 11.40 ng/ml m



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.002 min
Response: 31540061
Conc: 11.18 ng/ml



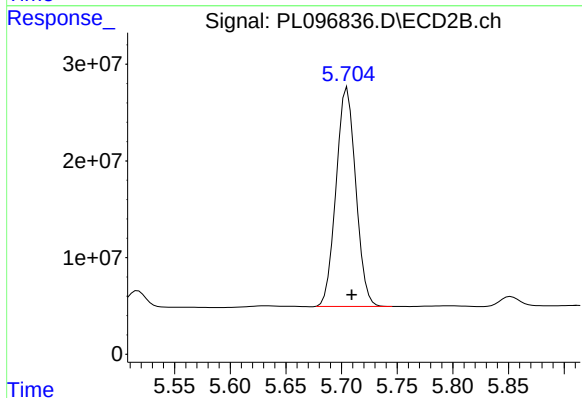
#14 Endrin

R.T.: 6.534 min
Delta R.T.: -0.009 min
Response: 169273585
Conc: 55.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

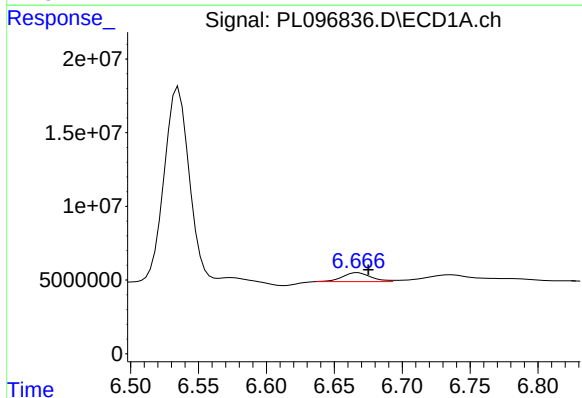
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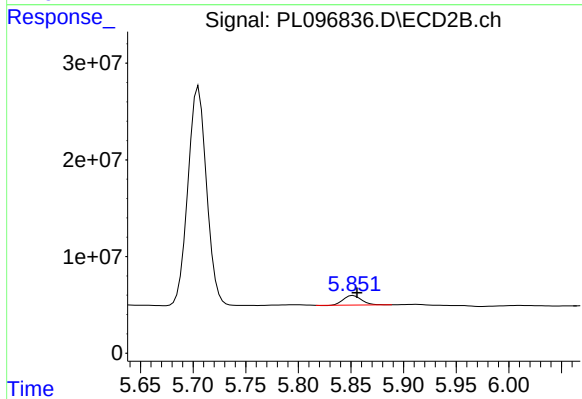
#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 278722026
Conc: 51.56 ng/ml



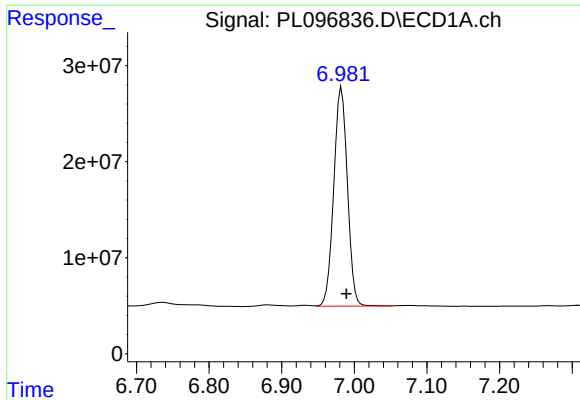
#16 4,4'-DDD

R.T.: 6.666 min
Delta R.T.: -0.009 min
Response: 8855375
Conc: 3.50 ng/ml m



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 11739415
Conc: 2.49 ng/ml



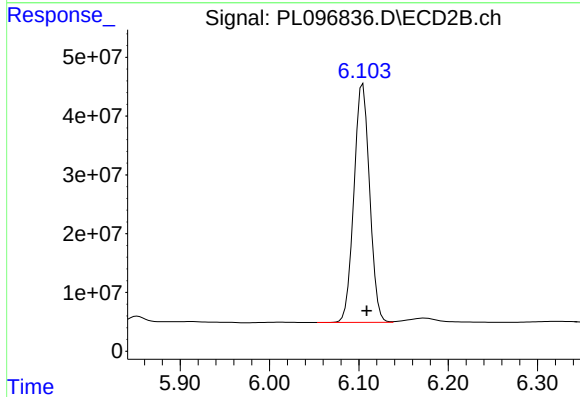
#17 4,4'-DDT

R.T.: 6.982 min
Delta R.T.: -0.007 min
Response: 297579199
Conc: 103.77 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

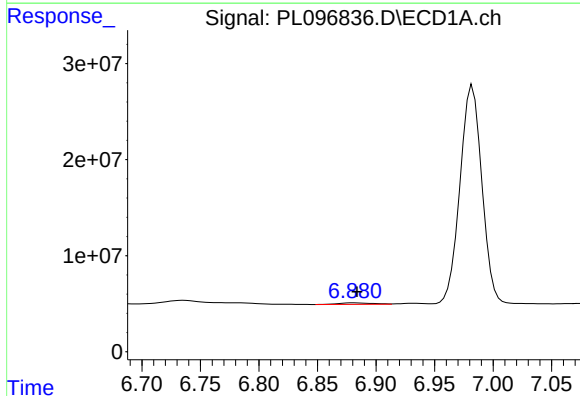
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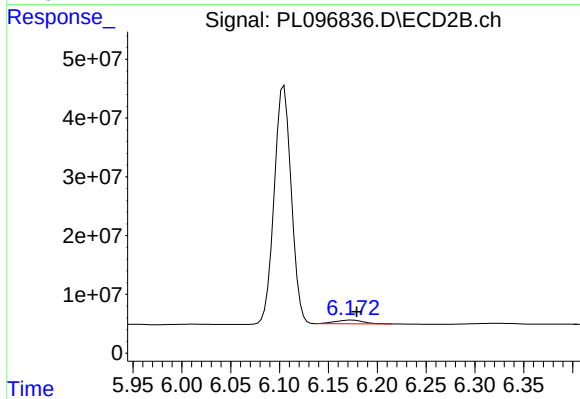
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 495753032
Conc: 98.01 ng/ml



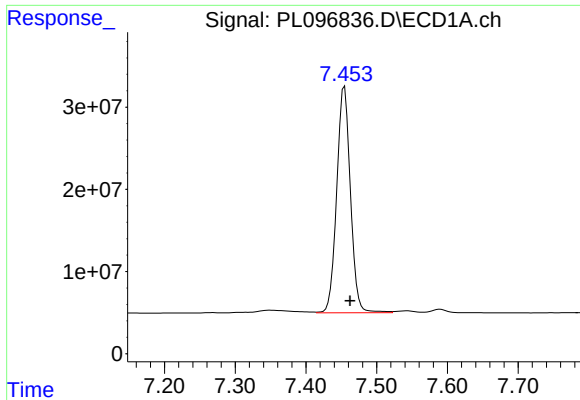
#18 Endrin aldehyde

R.T.: 6.880 min
Delta R.T.: -0.004 min
Response: 3224395
Conc: 1.50 ng/ml m



#18 Endrin aldehyde

R.T.: 6.172 min
Delta R.T.: -0.007 min
Response: 12380465
Conc: 3.41 ng/ml m



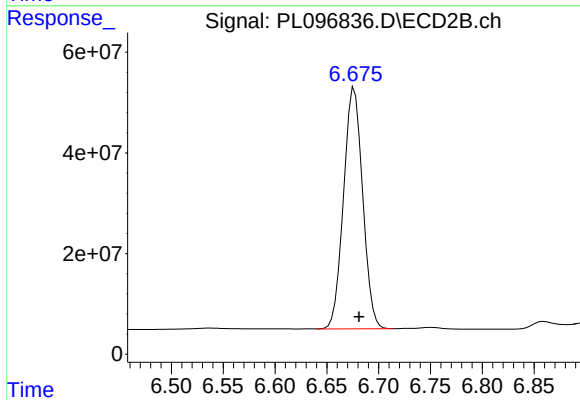
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.008 min
Response: 371198217
Conc: 252.80 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

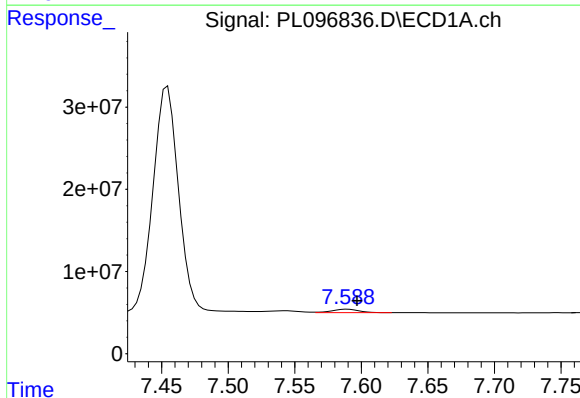
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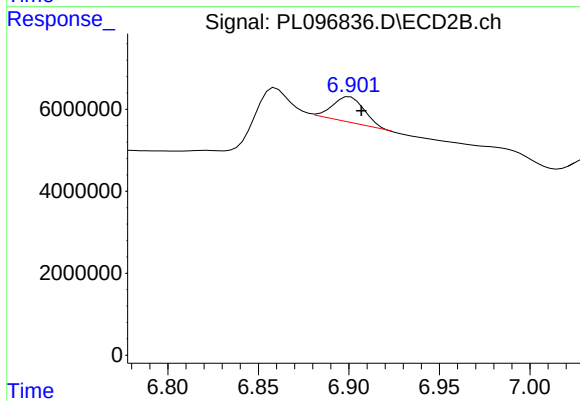
#20 Methoxychlor

R.T.: 6.675 min
Delta R.T.: -0.006 min
Response: 614969762
Conc: 224.40 ng/ml m



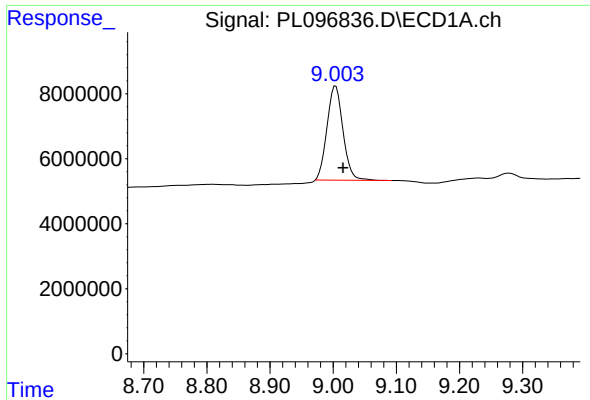
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.007 min
Response: 5861879
Conc: 1.95 ng/ml



#21 Endrin ketone

R.T.: 6.901 min
Delta R.T.: -0.006 min
Response: 7320291
Conc: 1.31 ng/ml m



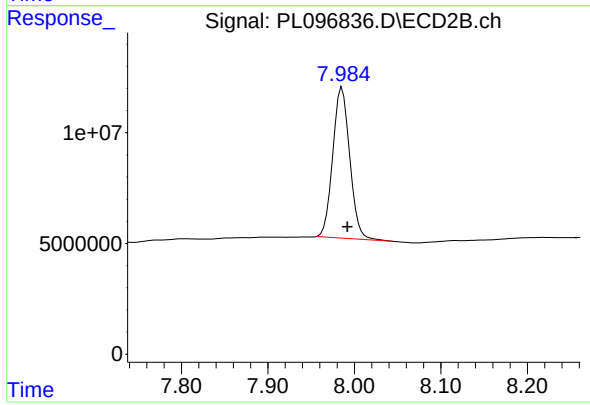
#28 Decachlorobiphenyl

R.T.: 9.004 min
Delta R.T.: -0.012 min
Response: 51106982
Conc: 21.43 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: 92284478
Conc: 21.27 ng/ml