

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080425\
 Data File : PL096688.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Aug 2025 09:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/05/2025
 Supervised By : mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 05 01:43:22 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Tue Jul 29 08:58:13 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...	3.534	2.825	77015896	126.9E6	24.213	26.569
28)	SA Decachlor...	9.012	7.990	61470037	115.4E6	25.777	26.595
Target Compounds							
2)	A alpha-BHC	3.981	3.332	54242042	84882165	11.725	11.994
3)	MA gamma-BHC...	4.309	3.664	52430005	80405774	11.853	12.176
6)	B beta-BHC	4.496	3.960	22693183	36906535	12.573	13.083
12)	B 4,4'-DDE	6.165	5.301	1592212	1554559	0.496m	0.282m#
14)	MA Endrin	6.541	5.707	164.4E6	299.7E6	54.301	55.439
16)	A 4,4'-DDD	6.673	5.855	18365176	32856042	7.264	6.983
17)	MA 4,4'-DDT	6.987	6.107	311.8E6	571.3E6	108.735	112.941
18)	B Endrin al...	6.883	6.178	6444942	18849958	3.003	1.906 #
20)	A Methoxychlor	7.460	6.678	382.2E6	693.3E6	260.259	252.966m
21)	B Endrin ke...	7.594	6.905	17550030	31486837	5.837	5.653

(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

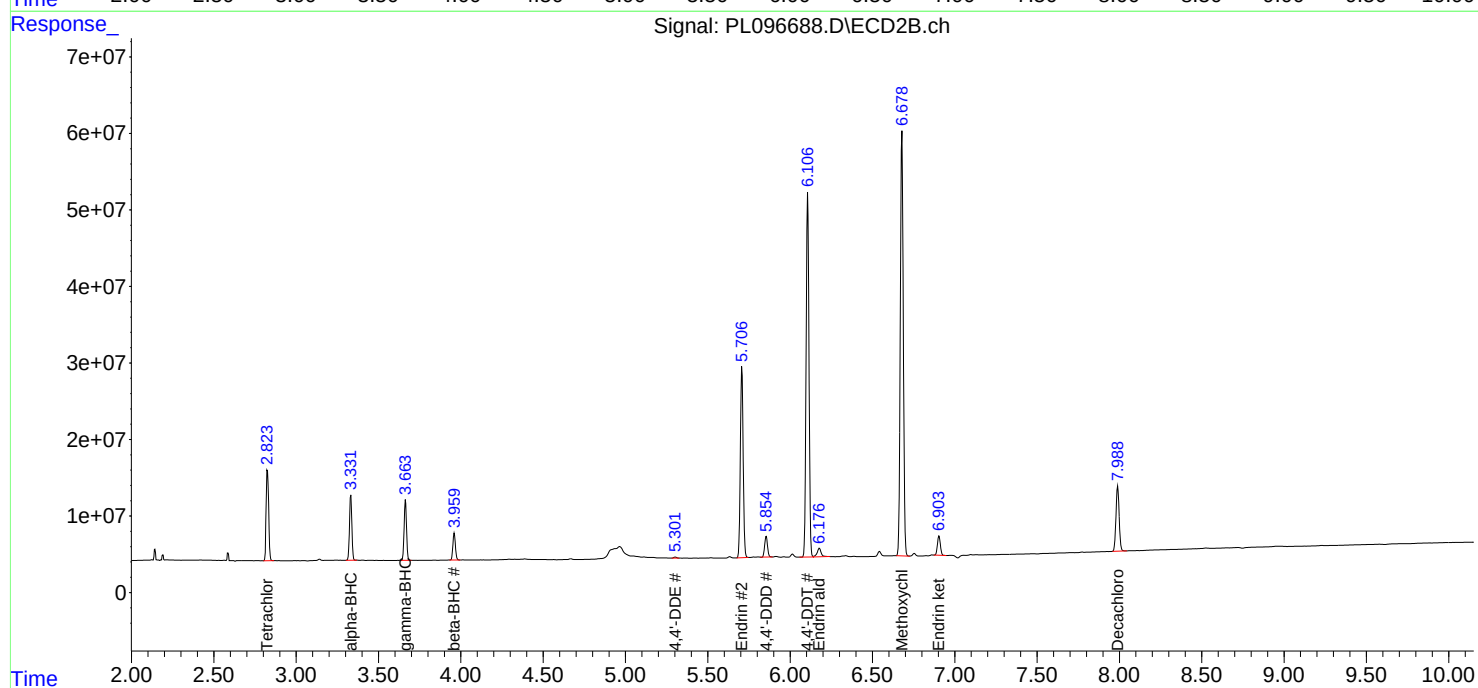
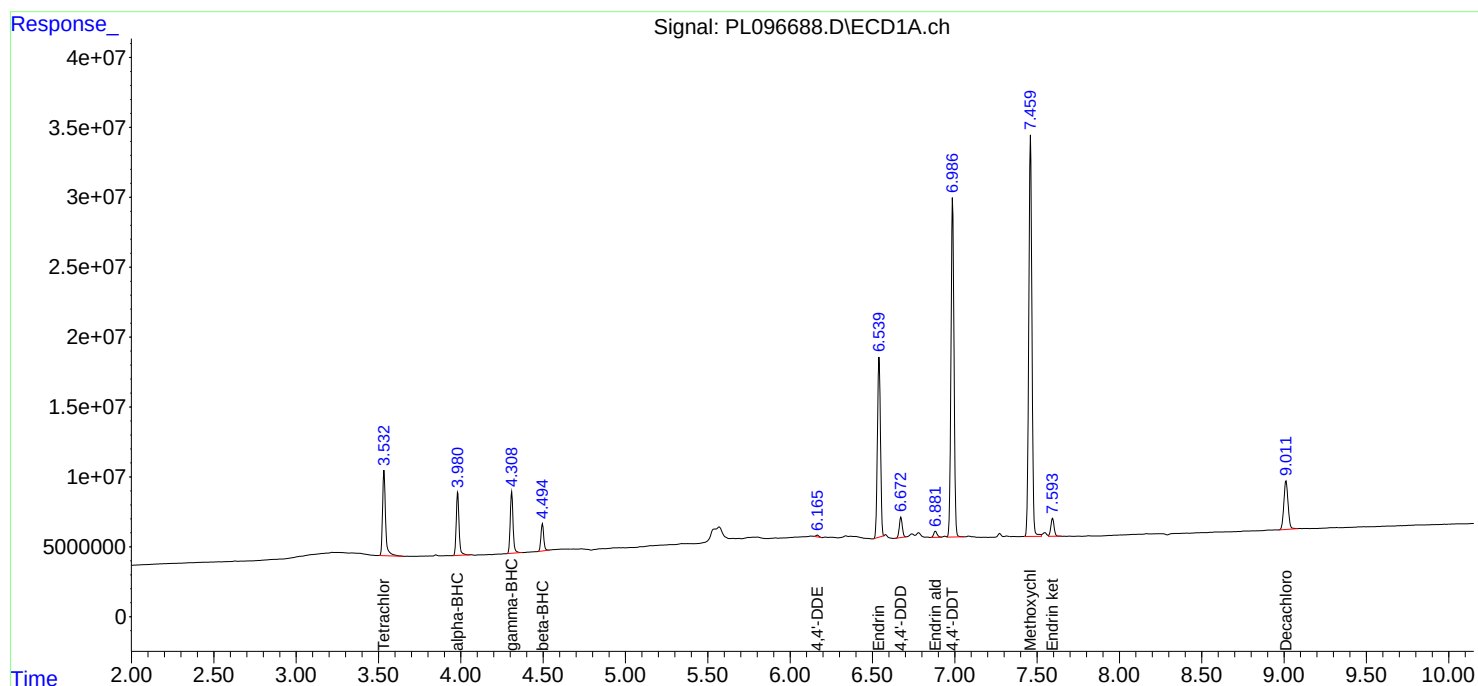
Instrument :
ECD_L
ClientSampleId :
PEM

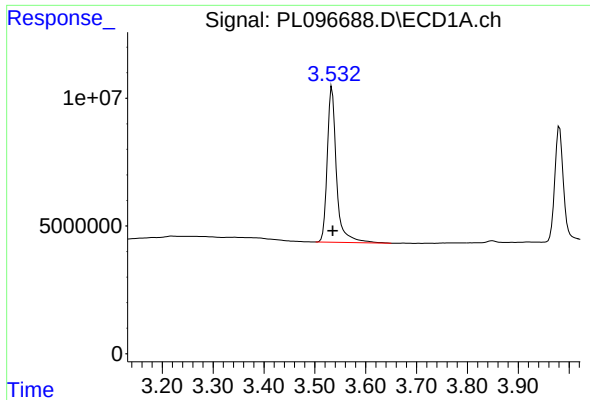
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Integration File signal 1: autoint1.e
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Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
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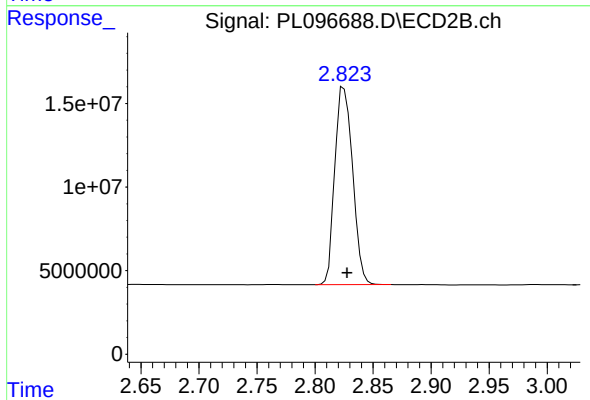
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.001 min
Response: 77015896
Conc: 24.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

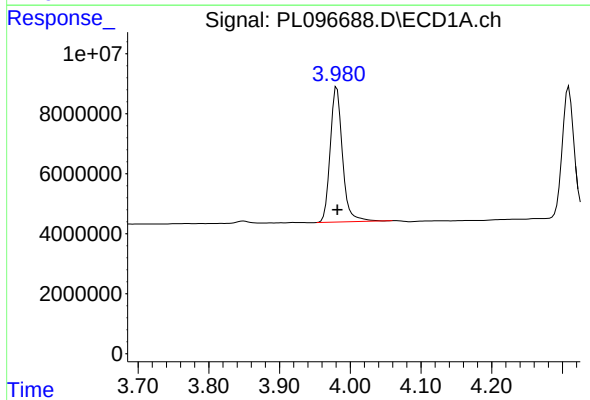
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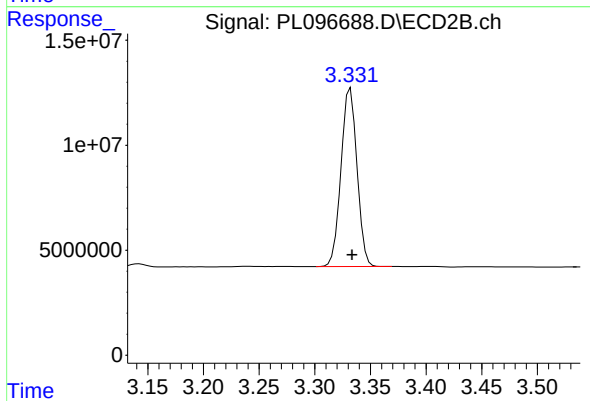
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.002 min
Response: 126939868
Conc: 26.57 ng/ml



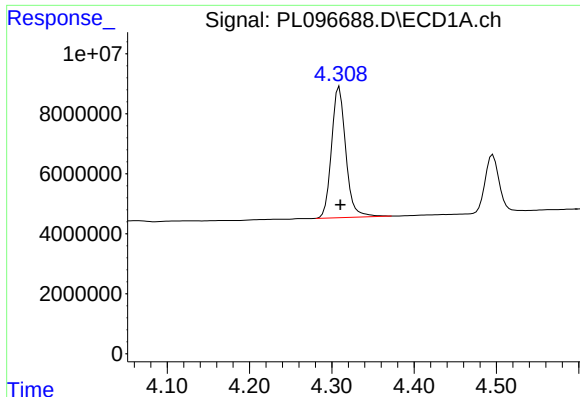
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: 0.000 min
Response: 54242042
Conc: 11.72 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.001 min
Response: 84882165
Conc: 11.99 ng/ml



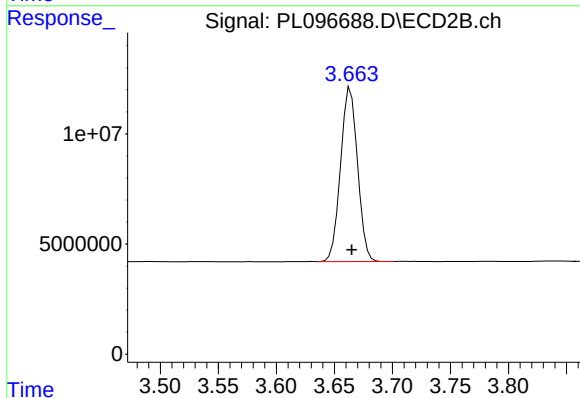
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 52430005
Conc: 11.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

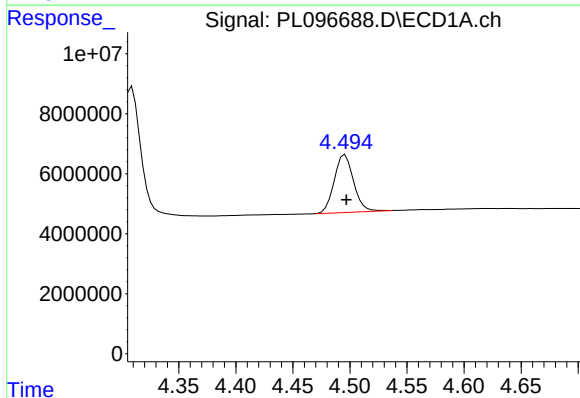
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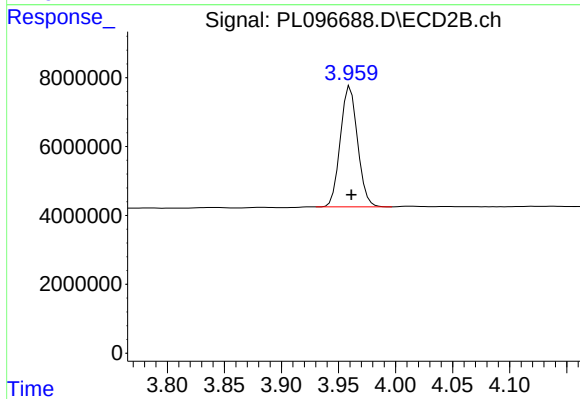
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.001 min
Response: 80405774
Conc: 12.18 ng/ml



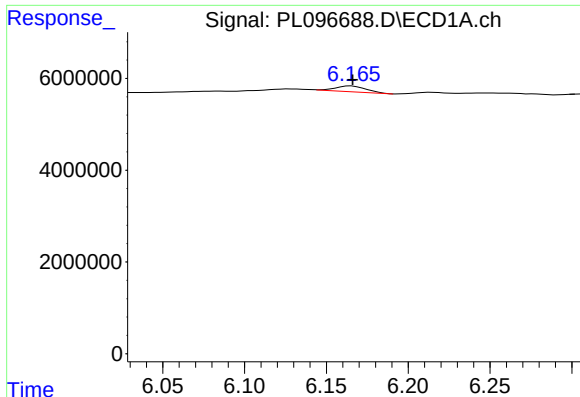
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 22693183
Conc: 12.57 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: 0.000 min
Response: 36906535
Conc: 13.08 ng/ml



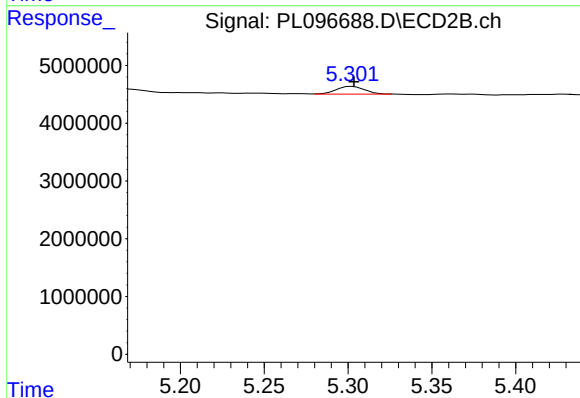
#12 4,4'-DDE

R.T.: 6.165 min
Delta R.T.: 0.000 min
Response: 1592212
Conc: 0.50 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#12 4,4'-DDE

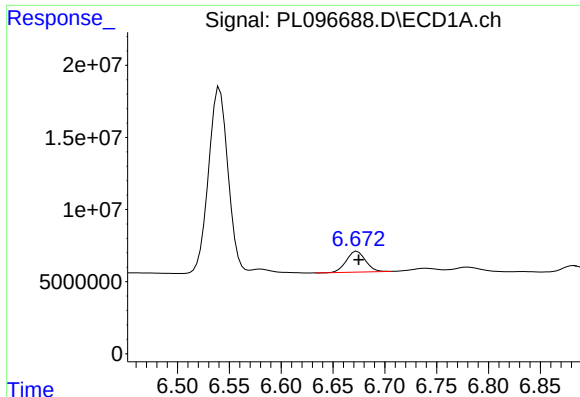
R.T.: 5.301 min
Delta R.T.: -0.003 min
Response: 1554559
Conc: 0.28 ng/ml m

#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 164358392
Conc: 54.30 ng/ml

#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 299703230
Conc: 55.44 ng/ml



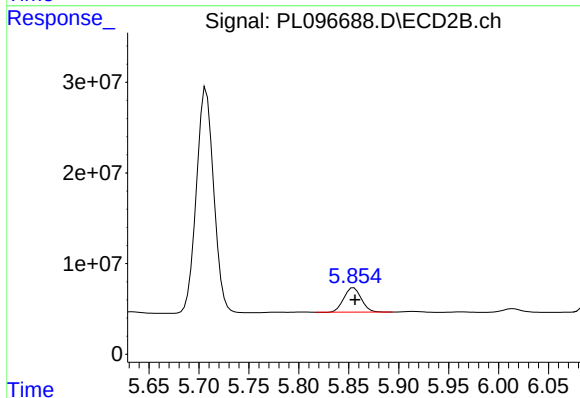
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.002 min
Response: 18365176
Conc: 7.26 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

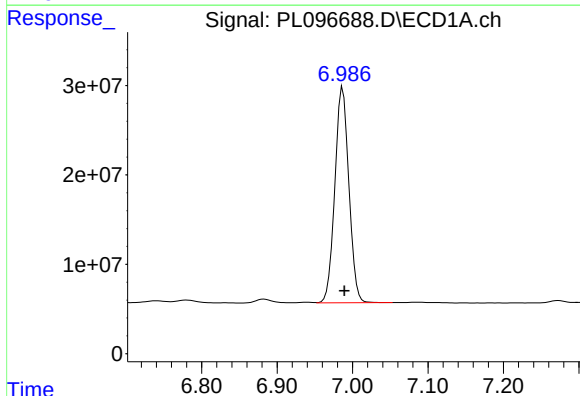
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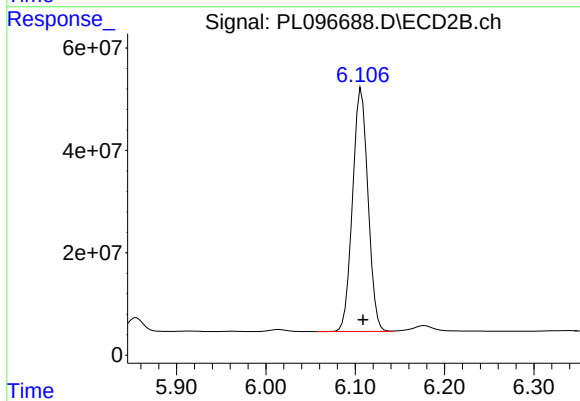
#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.001 min
Response: 32856042
Conc: 6.98 ng/ml



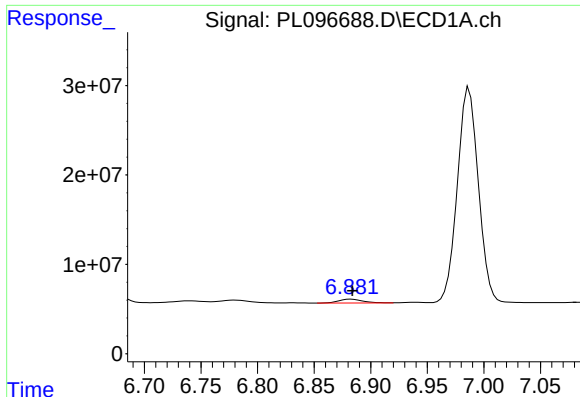
#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 311818033
Conc: 108.74 ng/ml



#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 571289046
Conc: 112.94 ng/ml



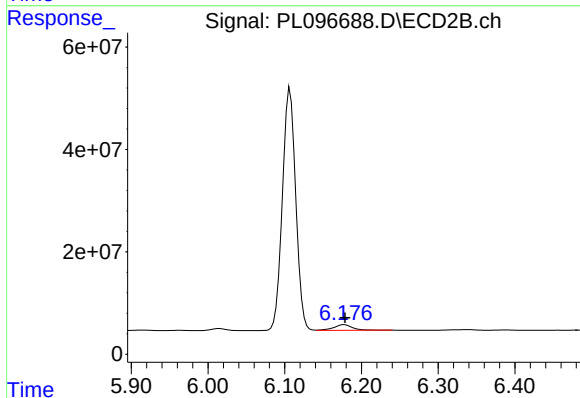
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: -0.001 min
Response: 6444942
Conc: 3.00 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

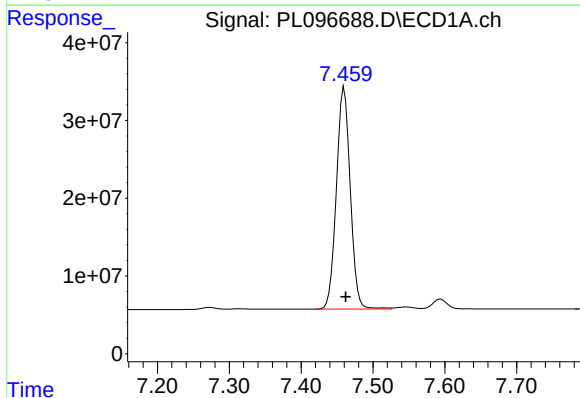
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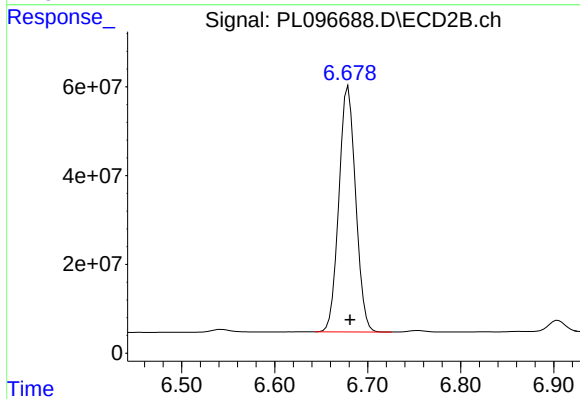
#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.001 min
Response: 18849958
Conc: 1.91 ng/ml



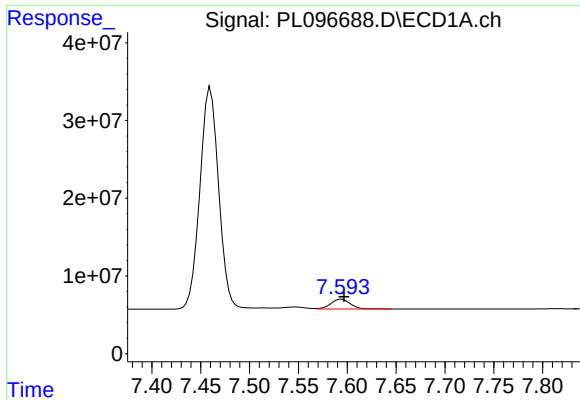
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 382152607
Conc: 260.26 ng/ml



#20 Methoxychlor

R.T.: 6.678 min
Delta R.T.: -0.003 min
Response: 693251210
Conc: 252.97 ng/ml m



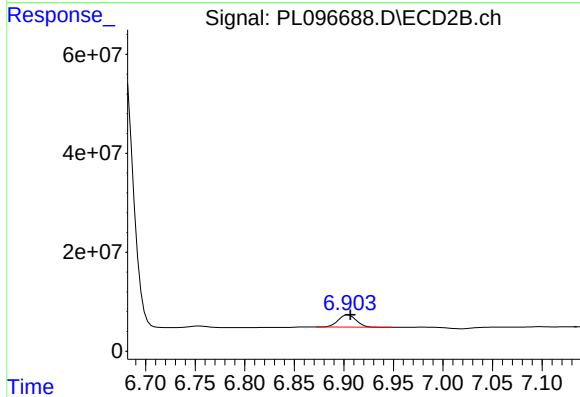
#21 Endrin ketone

R.T.: 7.594 min
Delta R.T.: -0.002 min
Response: 17550030
Conc: 5.84 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

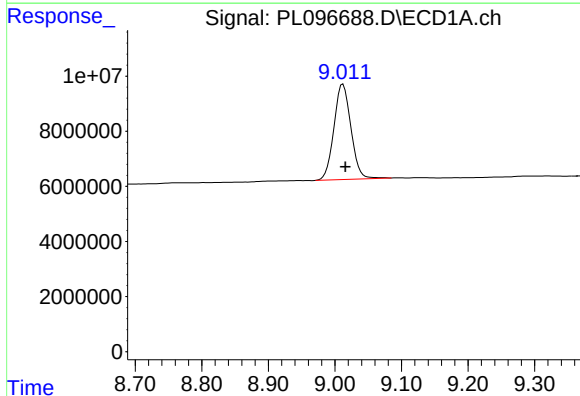
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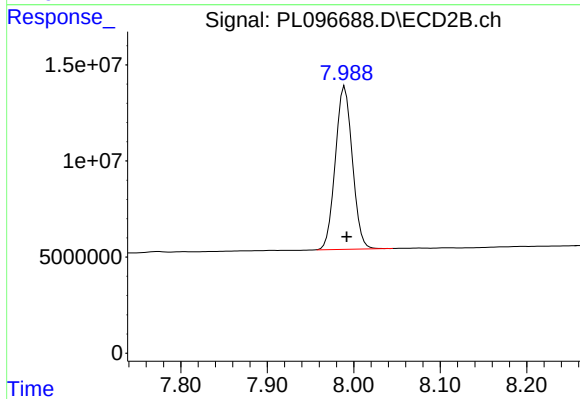
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.002 min
Response: 31486837
Conc: 5.65 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.012 min
Delta R.T.: -0.004 min
Response: 61470037
Conc: 25.78 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.002 min
Response: 115376995
Conc: 26.59 ng/ml