

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL080125\
 Data File : PL096681.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Aug 2025 09:29
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/04/2025
 Supervised By :mohammad ahmed 08/05/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 02 01:13:28 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	2.827	72672739	108.4E6	22.847	22.696
28)	SA Decachlor...	9.012	7.989	60314937	108.0E6	25.293	24.892
Target Compounds							
2)	A alpha-BHC	3.981	3.332	50996268	77210327	11.023	10.910
3)	MA gamma-BHC...	4.309	3.664	50084834	73365919	11.323	11.110
6)	B beta-BHC	4.496	3.960	21292321	33659762	11.797	11.932
12)	B 4,4'-DDE	6.164	5.300	1713199	1034960	0.533m	0.188m#
14)	MA Endrin	6.541	5.707	160.3E6	279.6E6	52.954	51.714
16)	A 4,4'-DDD	6.674	5.854	20930659	33834230	8.278	7.191
17)	MA 4,4'-DDT	6.987	6.107	302.2E6	530.1E6	105.376	104.802
18)	B Endrin al...	6.883	6.177	5899777	18165156	2.749	1.709 #
20)	A Methoxychlor	7.460	6.679	383.4E6	662.9E6	261.083	241.895
21)	B Endrin ke...	7.595	6.905	17994651	29121014	5.985	5.228

(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

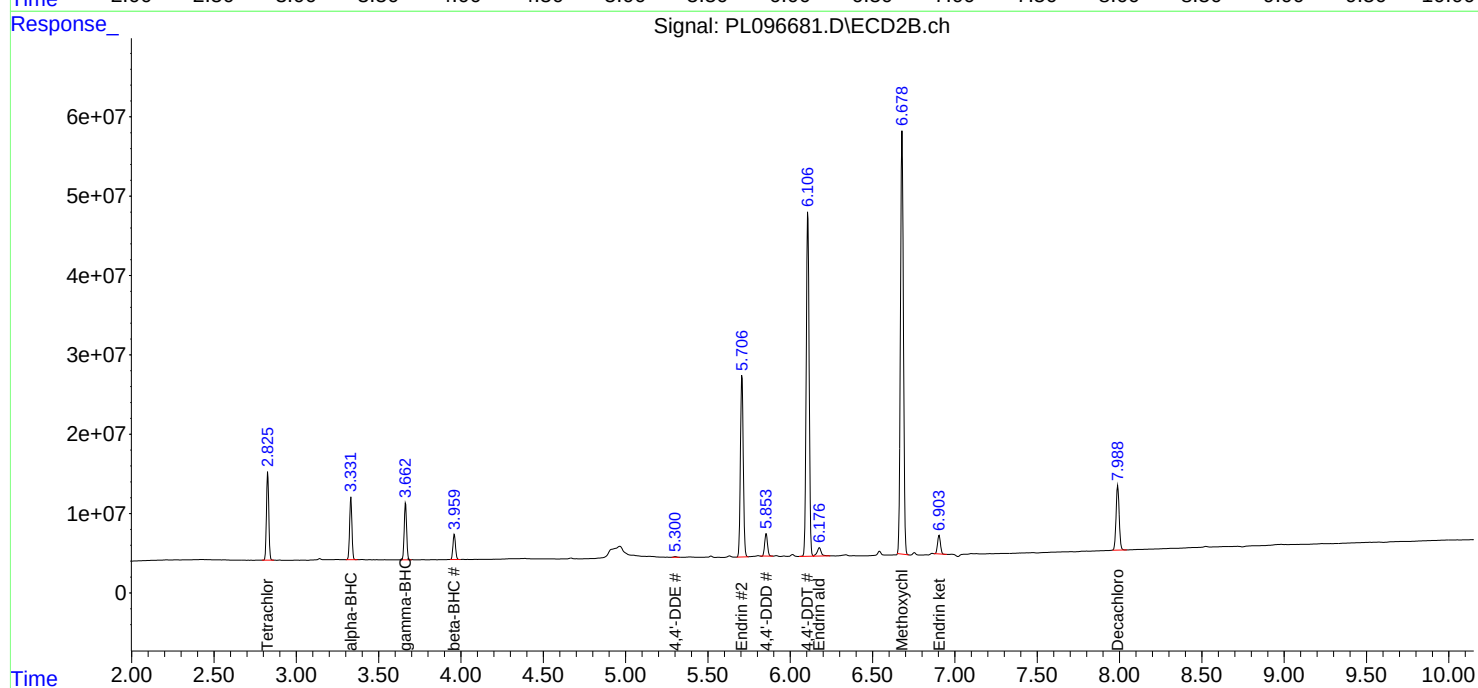
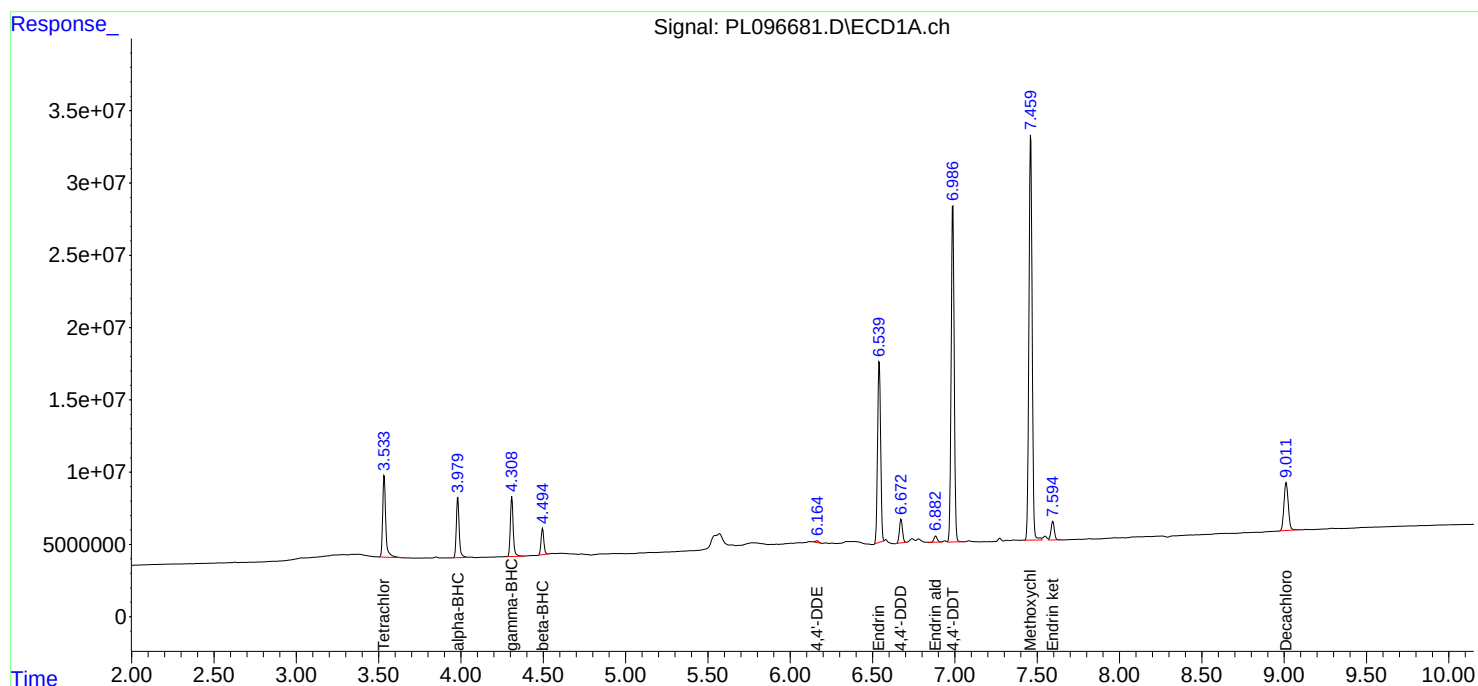
Instrument :
ECD_L
ClientSampleId :
PEM

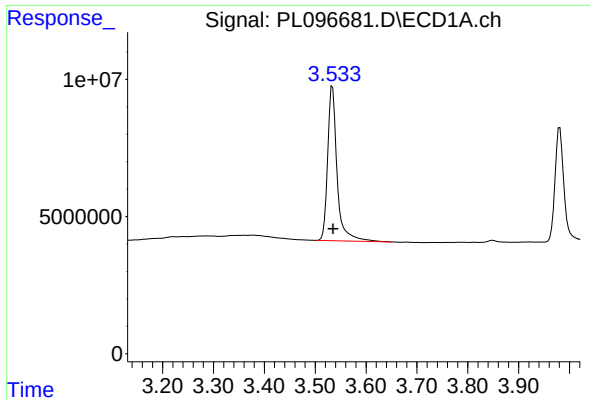
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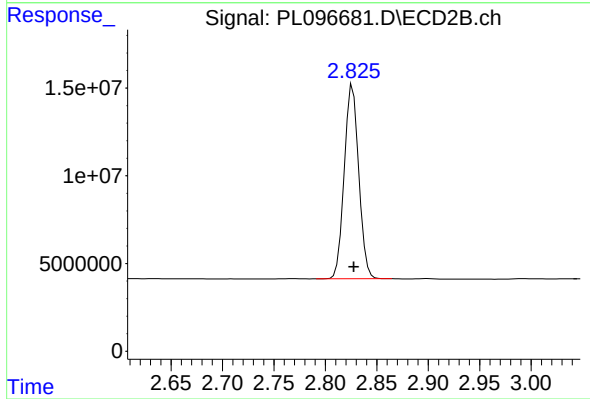
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.001 min
Response: 72672739
Conc: 22.85 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

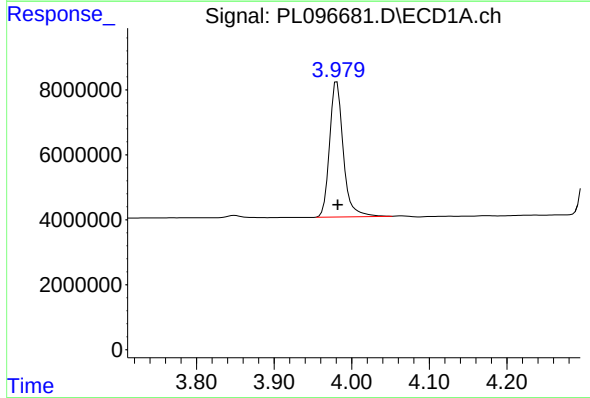
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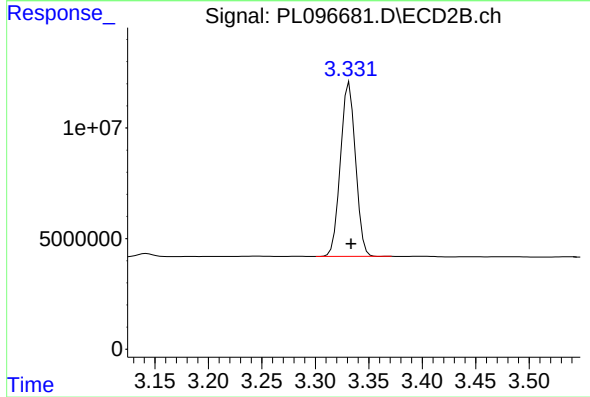
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: 0.000 min
Response: 108436740
Conc: 22.70 ng/ml



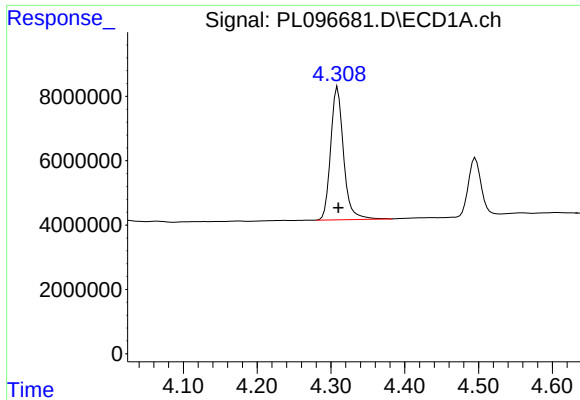
#2 alpha-BHC

R.T.: 3.981 min
Delta R.T.: -0.001 min
Response: 50996268
Conc: 11.02 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.002 min
Response: 77210327
Conc: 10.91 ng/ml



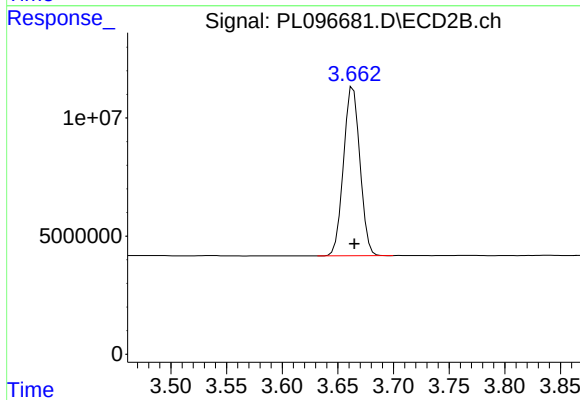
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.001 min
Response: 50084834
Conc: 11.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

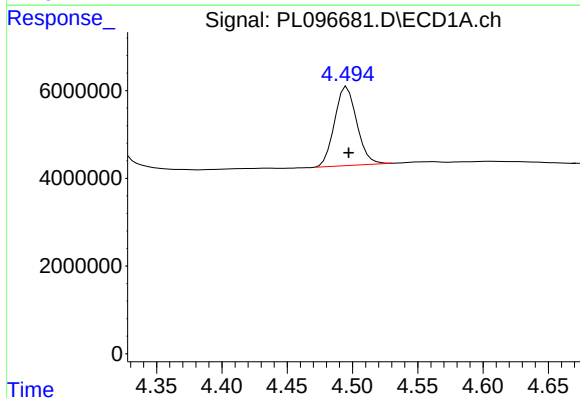
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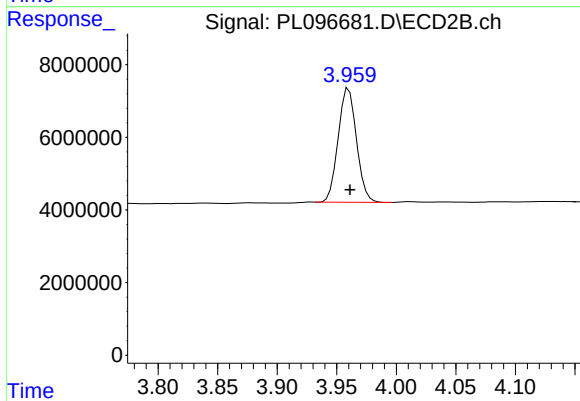
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.001 min
Response: 73365919
Conc: 11.11 ng/ml



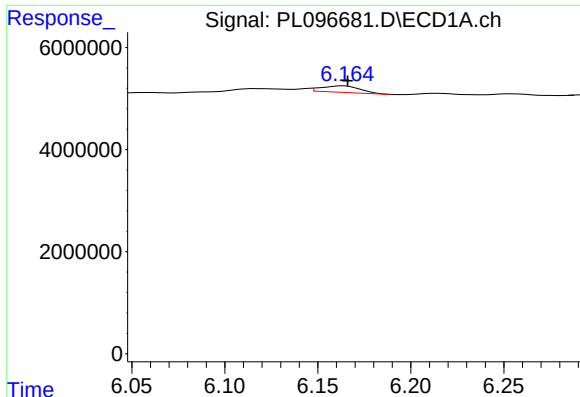
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.001 min
Response: 21292321
Conc: 11.80 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.001 min
Response: 33659762
Conc: 11.93 ng/ml



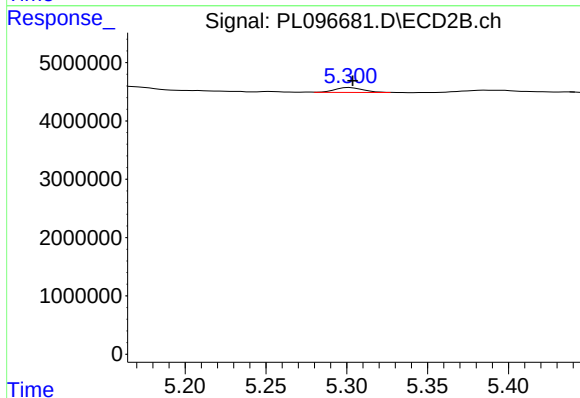
#12 4,4'-DDE

R.T.: 6.164 min
Delta R.T.: -0.002 min
Response: 1713199
Conc: 0.53 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

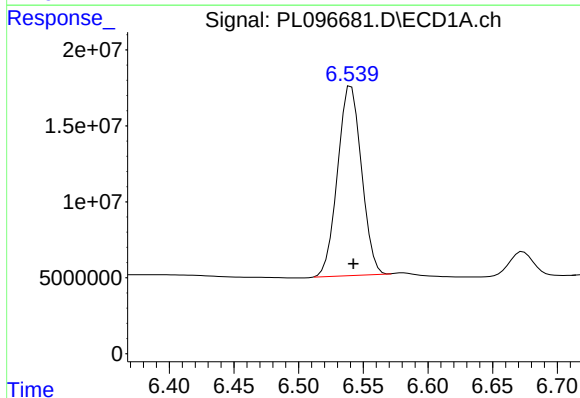
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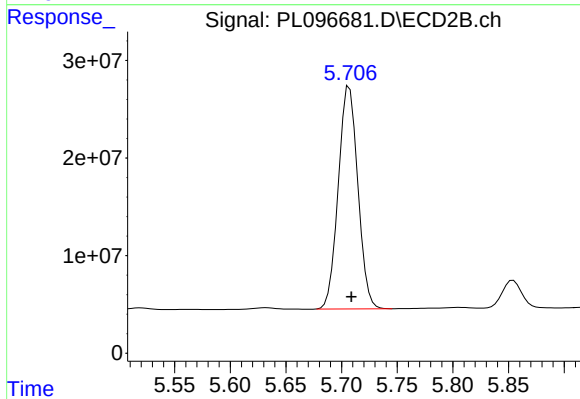
#12 4,4'-DDE

R.T.: 5.300 min
Delta R.T.: -0.003 min
Response: 1034960
Conc: 0.19 ng/ml m



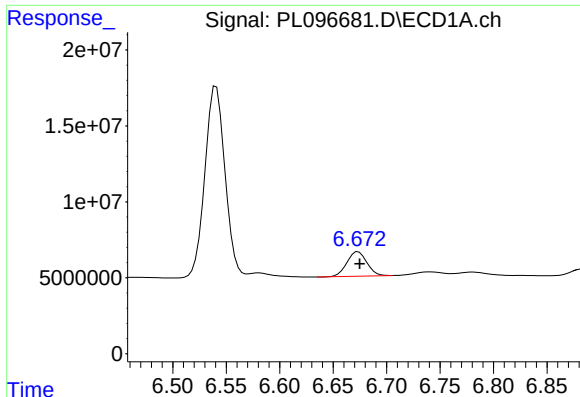
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.002 min
Response: 160280068
Conc: 52.95 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.002 min
Response: 279561883
Conc: 51.71 ng/ml



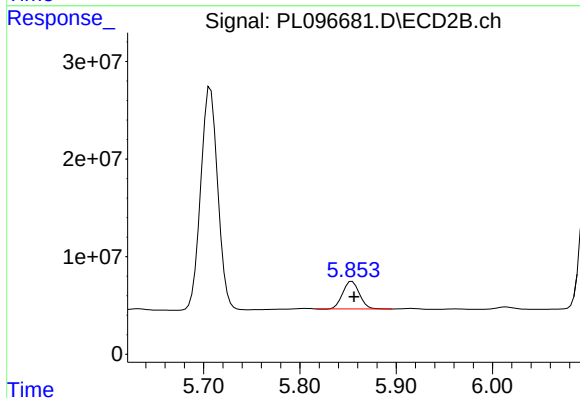
#16 4,4'-DDD

R.T.: 6.674 min
Delta R.T.: -0.001 min
Response: 20930659
Conc: 8.28 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

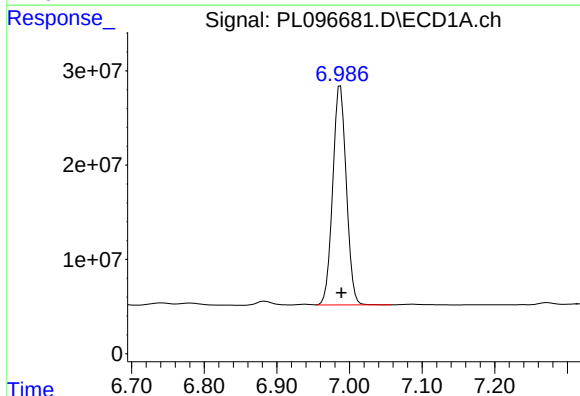
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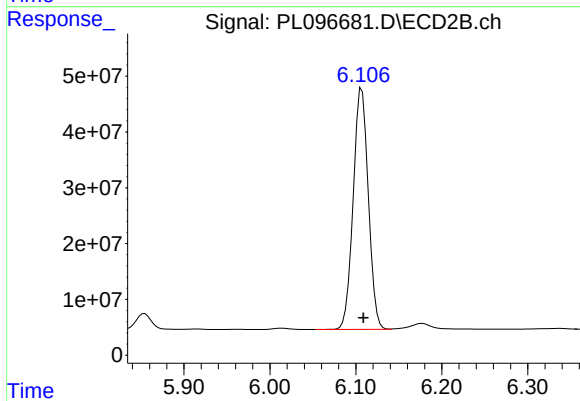
#16 4,4'-DDD

R.T.: 5.854 min
Delta R.T.: -0.002 min
Response: 33834230
Conc: 7.19 ng/ml



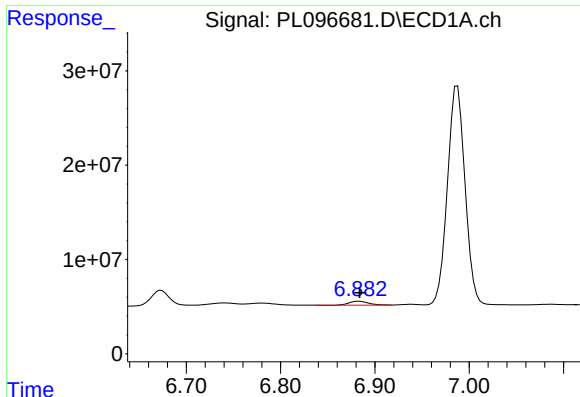
#17 4,4'-DDT

R.T.: 6.987 min
Delta R.T.: -0.002 min
Response: 302185646
Conc: 105.38 ng/ml



#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.002 min
Response: 530118411
Conc: 104.80 ng/ml



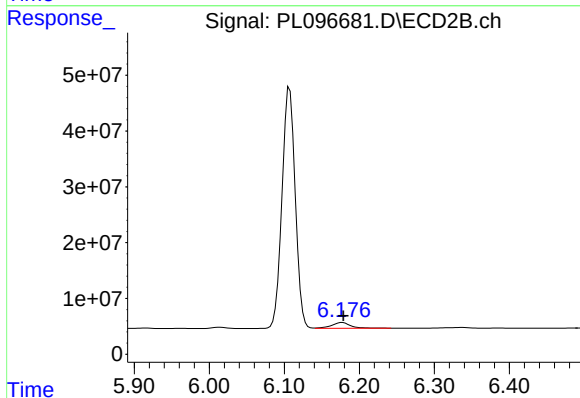
#18 Endrin aldehyde

R.T.: 6.883 min
Delta R.T.: 0.000 min
Response: 5899777
Conc: 2.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

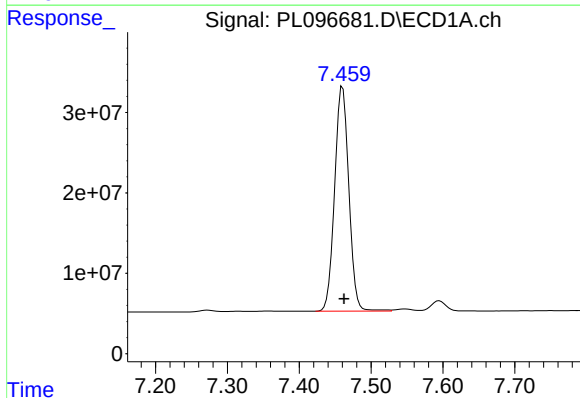
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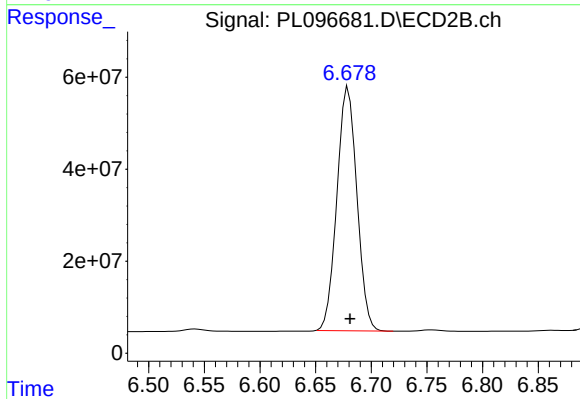
#18 Endrin aldehyde

R.T.: 6.177 min
Delta R.T.: -0.001 min
Response: 18165156
Conc: 1.71 ng/ml



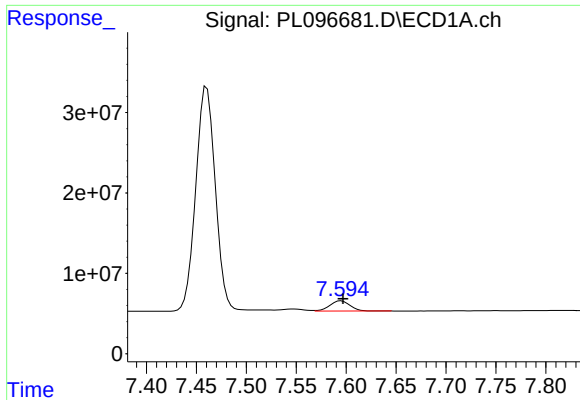
#20 Methoxychlor

R.T.: 7.460 min
Delta R.T.: -0.002 min
Response: 383362422
Conc: 261.08 ng/ml



#20 Methoxychlor

R.T.: 6.679 min
Delta R.T.: -0.002 min
Response: 662912626
Conc: 241.90 ng/ml



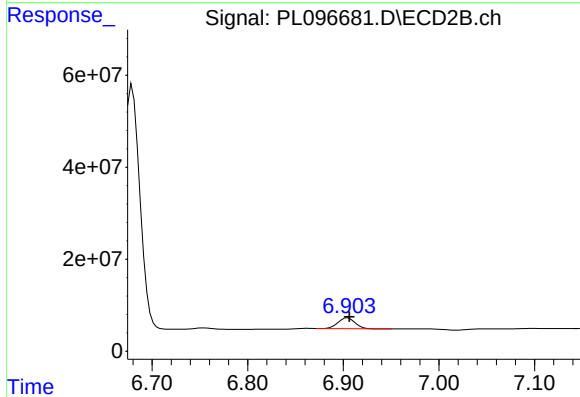
#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.002 min
Response: 17994651
Conc: 5.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

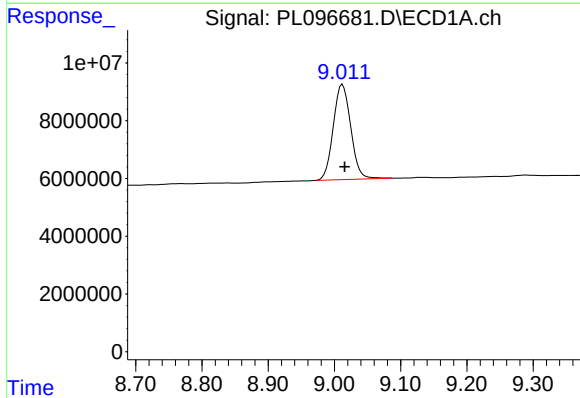
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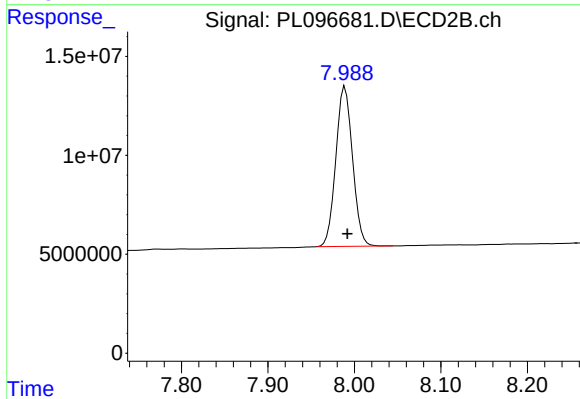
#21 Endrin ketone

R.T.: 6.905 min
Delta R.T.: -0.002 min
Response: 29121014
Conc: 5.23 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.012 min
Delta R.T.: -0.004 min
Response: 60314937
Conc: 25.29 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.989 min
Delta R.T.: -0.003 min
Response: 107988880
Conc: 24.89 ng/ml