

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072425\
 Data File : PL096552.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 24 Jul 2025 10:56
 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 23:30:07 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...	3.534	2.827	79759416	129.5E6	21.858	22.436
28)	SA Decachlor...	9.013	7.990	55587258	84646252	19.760	16.975
Target Compounds							
2)	A alpha-BHC	3.982	3.332	55419647	94208800	10.775	11.170
3)	MA gamma-BHC...	4.309	3.664	55050208	88448960	11.055	11.230
6)	B beta-BHC	4.496	3.960	24207094	40248093	11.645	11.755
12)	B 4,4'-DDE	6.163	5.303	2794567	770962	0.754m	0.119m#
14)	MA Endrin	6.541	5.707	155.3E6	314.3E6	49.944	51.549
16)	A 4,4'-DDD	6.673	5.855	28366522	48383172	9.742	9.434
17)	MA 4,4'-DDT	6.988	6.107	257.1E6	506.0E6	84.702	88.234
18)	B Endrin al...	6.885	6.178	5603771	14633736	2.507	3.285 #
20)	A Methoxychlor	7.461	6.680	316.8E6	578.3E6	201.094	190.354
21)	B Endrin ke...	7.595	6.904	13127500	25606598	3.976	4.096

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

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Data File : PL096552.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 24 Jul 2025 10:56
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

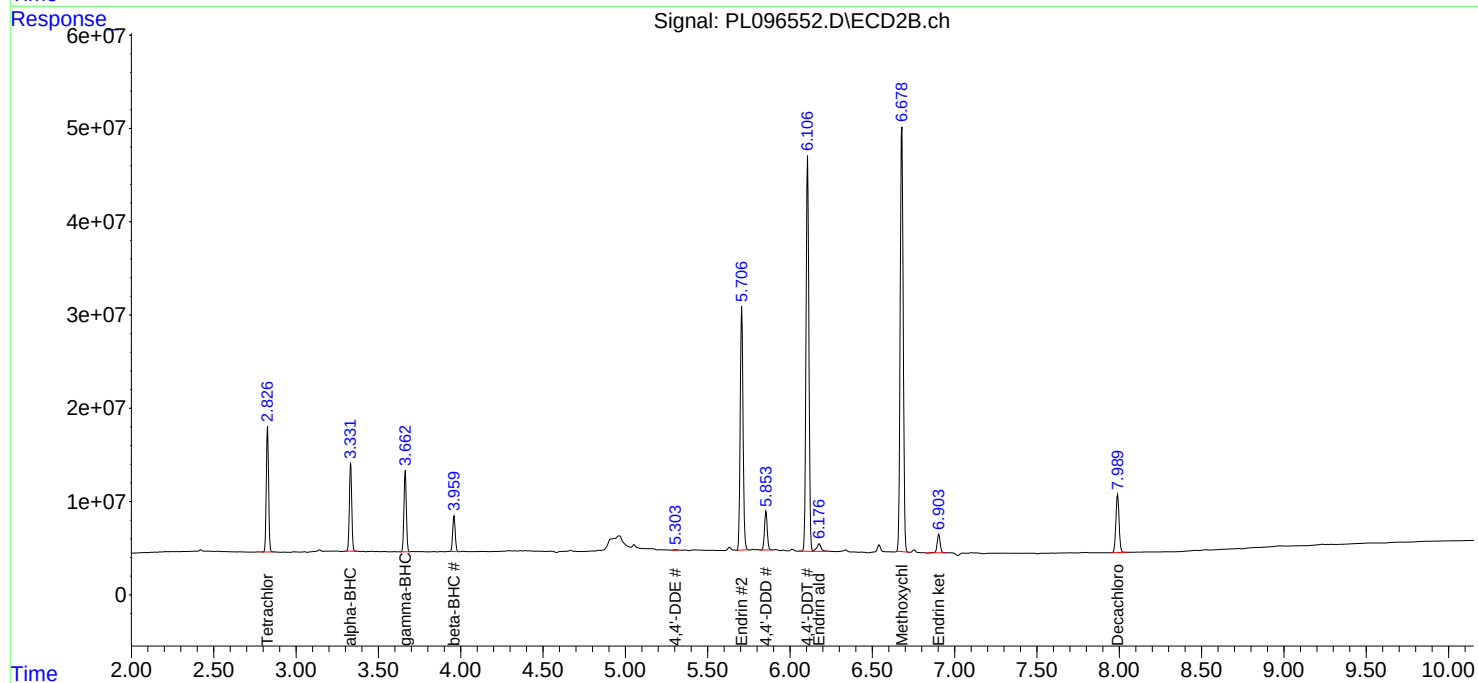
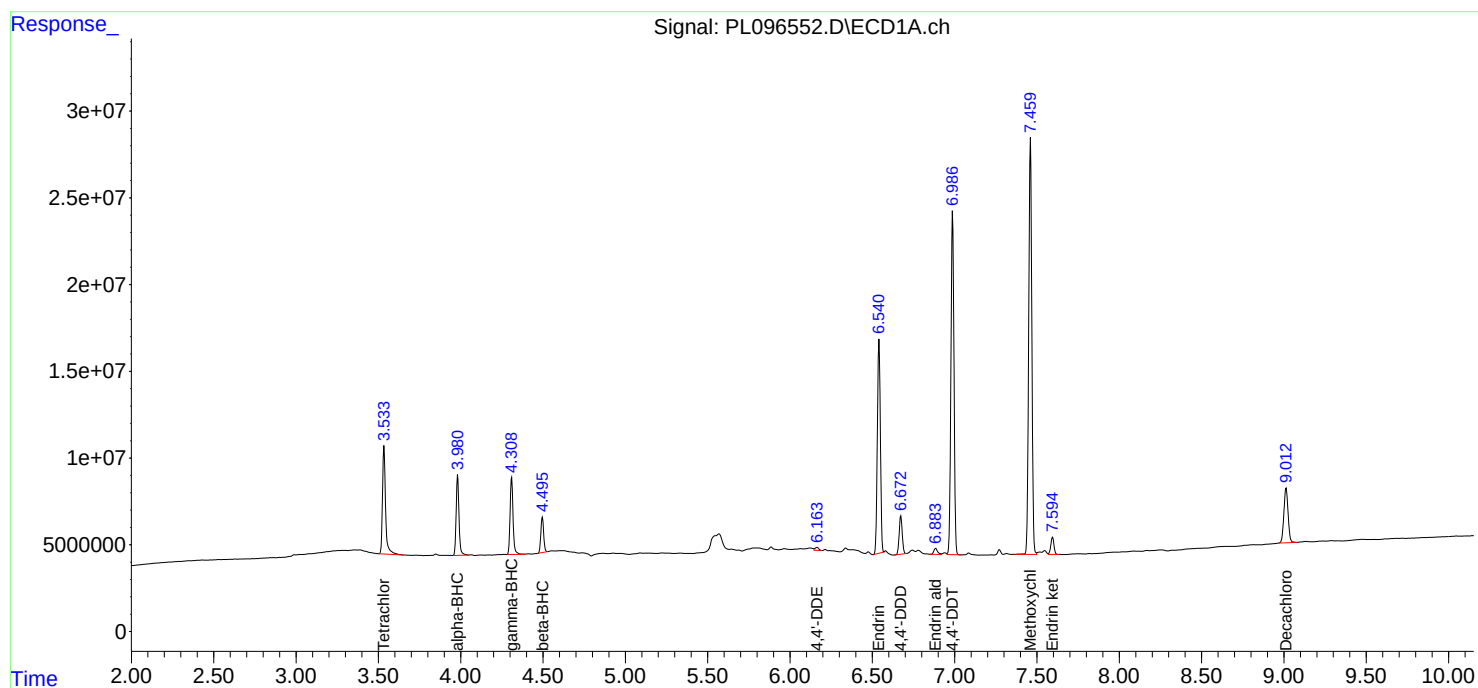
Instrument :
ECD_L
ClientSampleId :
PEM

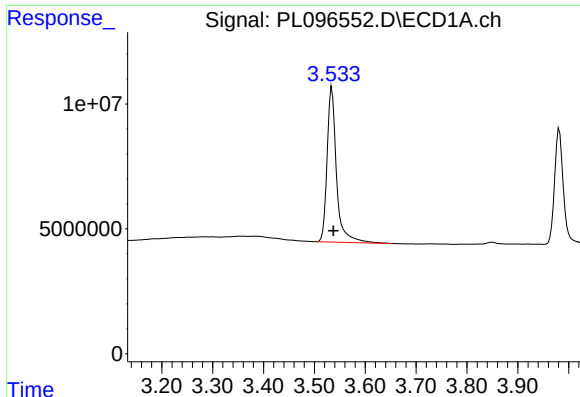
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL070725.M
Quant Title : GC Extractables
QLast Update : Mon Jul 07 15:22:07 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





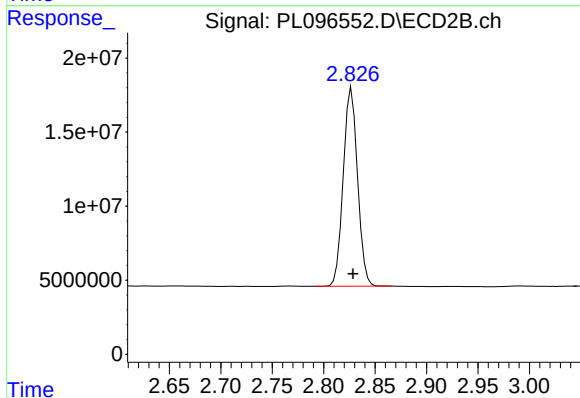
#1 Tetrachloro-m-xylene

R.T.: 3.534 min
Delta R.T.: -0.003 min
Response: 79759416
Conc: 21.86 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

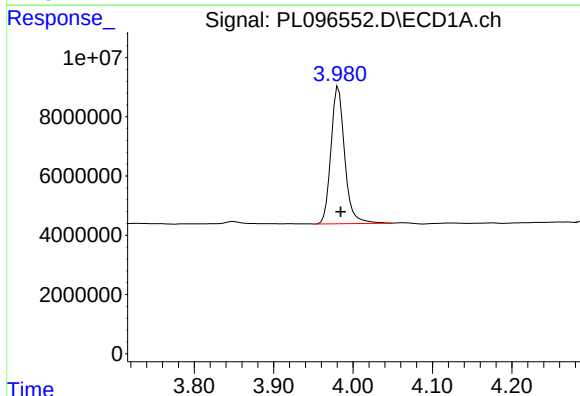
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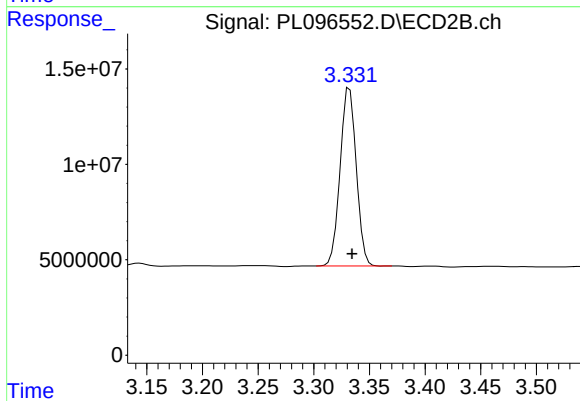
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.001 min
Response: 129484028
Conc: 22.44 ng/ml



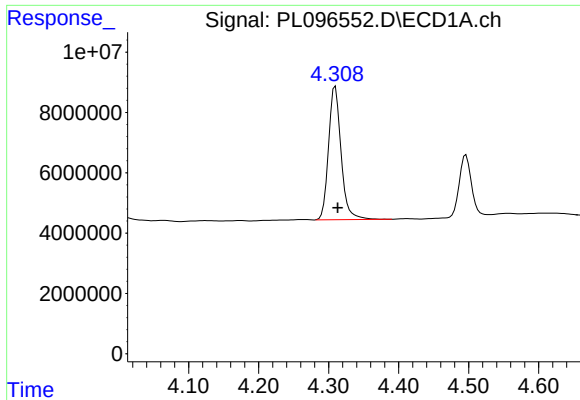
#2 alpha-BHC

R.T.: 3.982 min
Delta R.T.: -0.003 min
Response: 55419647
Conc: 10.78 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.002 min
Response: 94208800
Conc: 11.17 ng/ml



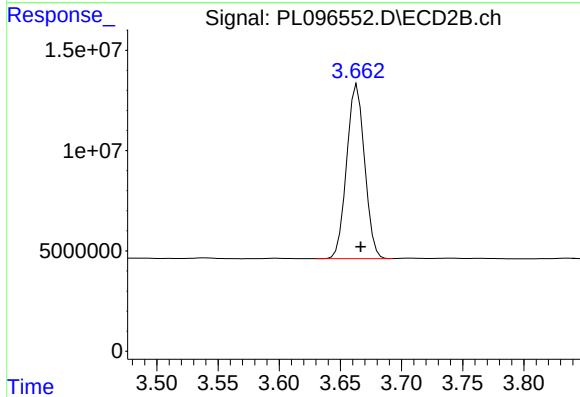
#3 gamma-BHC (Lindane)

R.T.: 4.309 min
Delta R.T.: -0.004 min
Response: 55050208
Conc: 11.06 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

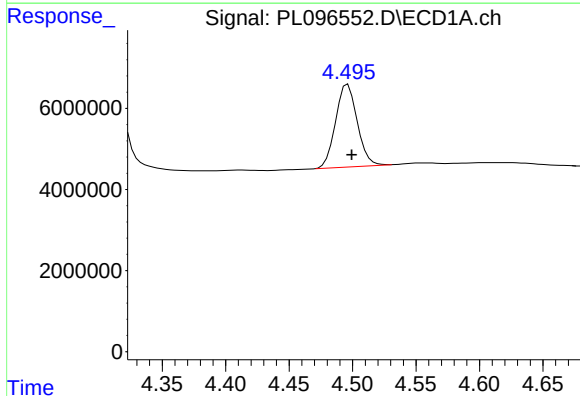
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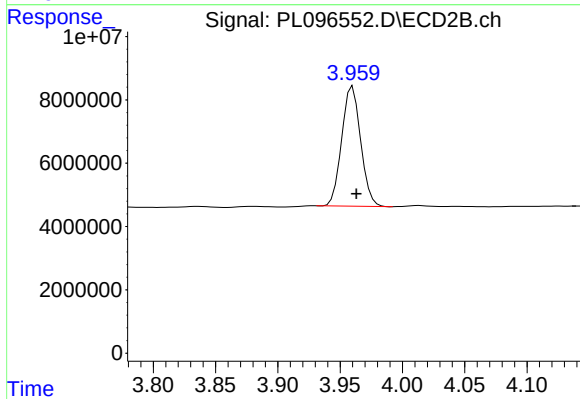
#3 gamma-BHC (Lindane)

R.T.: 3.664 min
Delta R.T.: -0.003 min
Response: 88448960
Conc: 11.23 ng/ml



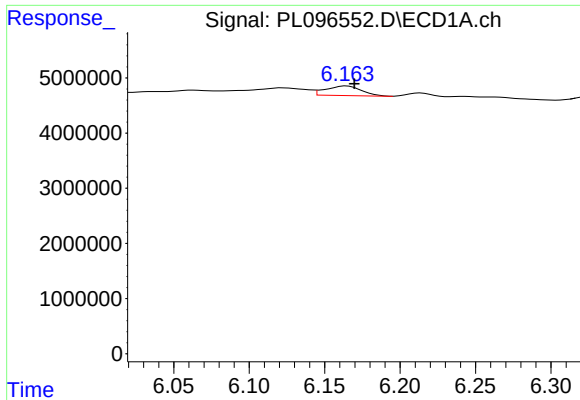
#6 beta-BHC

R.T.: 4.496 min
Delta R.T.: -0.003 min
Response: 24207094
Conc: 11.64 ng/ml



#6 beta-BHC

R.T.: 3.960 min
Delta R.T.: -0.003 min
Response: 40248093
Conc: 11.76 ng/ml



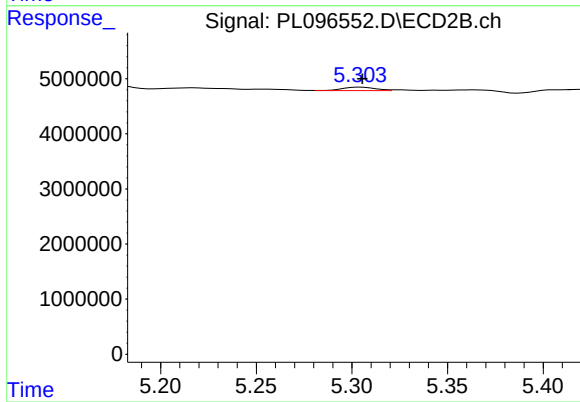
#12 4,4'-DDE

R.T.: 6.163 min
Delta R.T.: -0.006 min
Response: 2794567
Conc: 0.75 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

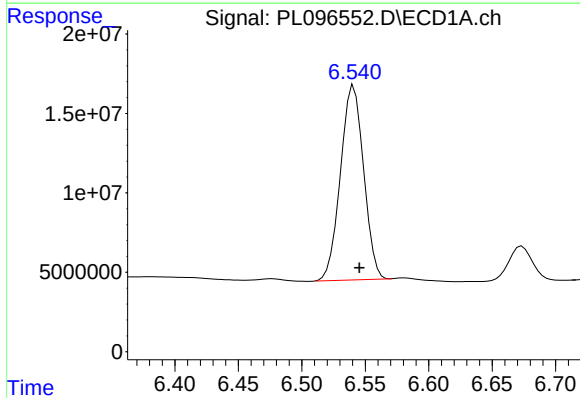
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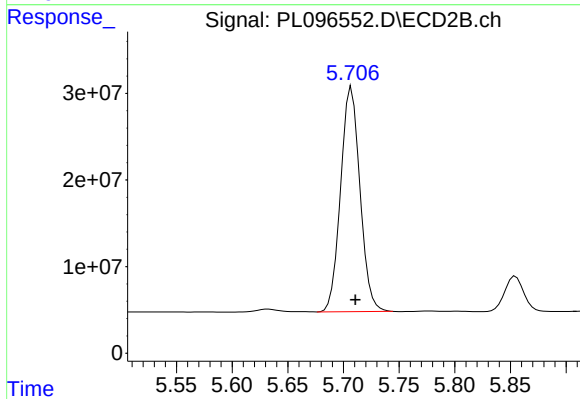
#12 4,4'-DDE

R.T.: 5.303 min
Delta R.T.: -0.003 min
Response: 770962
Conc: 0.12 ng/ml m



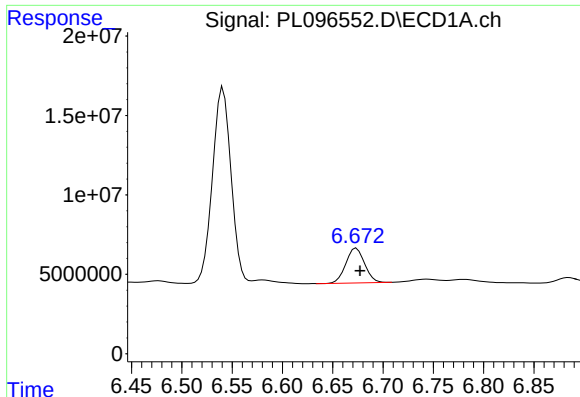
#14 Endrin

R.T.: 6.541 min
Delta R.T.: -0.004 min
Response: 155335845
Conc: 49.94 ng/ml



#14 Endrin

R.T.: 5.707 min
Delta R.T.: -0.003 min
Response: 314269914
Conc: 51.55 ng/ml



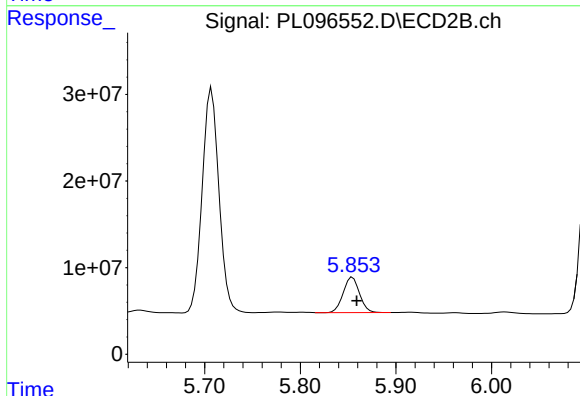
#16 4,4'-DDD

R.T.: 6.673 min
Delta R.T.: -0.004 min
Response: 28366522
Conc: 9.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

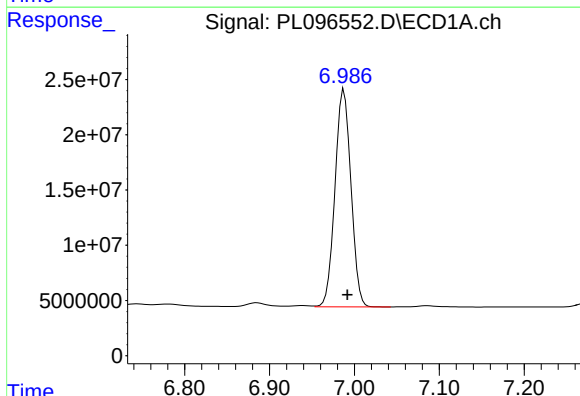
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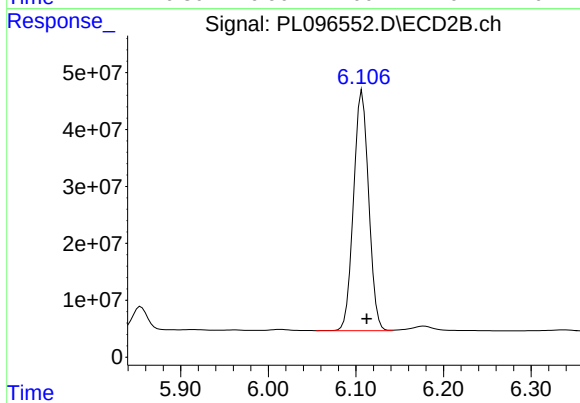
#16 4,4'-DDD

R.T.: 5.855 min
Delta R.T.: -0.004 min
Response: 48383172
Conc: 9.43 ng/ml



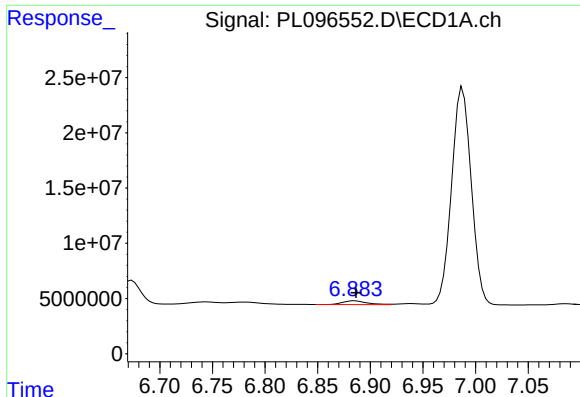
#17 4,4'-DDT

R.T.: 6.988 min
Delta R.T.: -0.004 min
Response: 257087599
Conc: 84.70 ng/ml



#17 4,4'-DDT

R.T.: 6.107 min
Delta R.T.: -0.005 min
Response: 506034807
Conc: 88.23 ng/ml



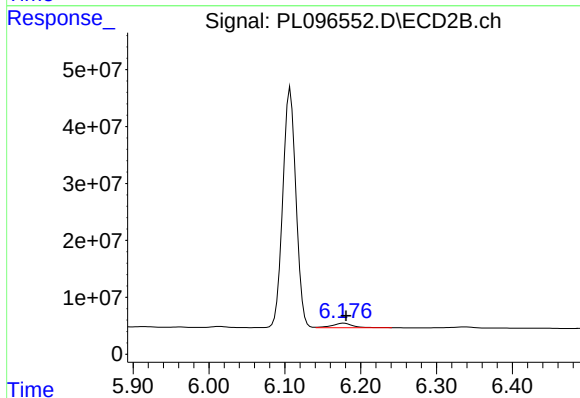
#18 Endrin aldehyde

R.T.: 6.885 min
Delta R.T.: -0.002 min
Response: 5603771
Conc: 2.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

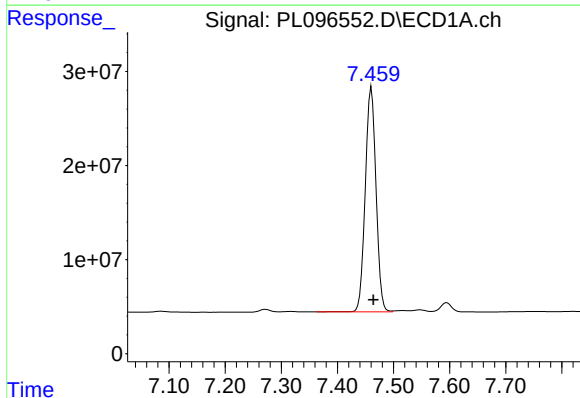
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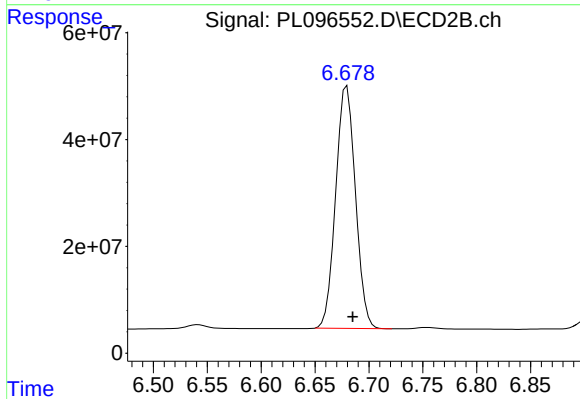
#18 Endrin aldehyde

R.T.: 6.178 min
Delta R.T.: -0.003 min
Response: 14633736
Conc: 3.29 ng/ml



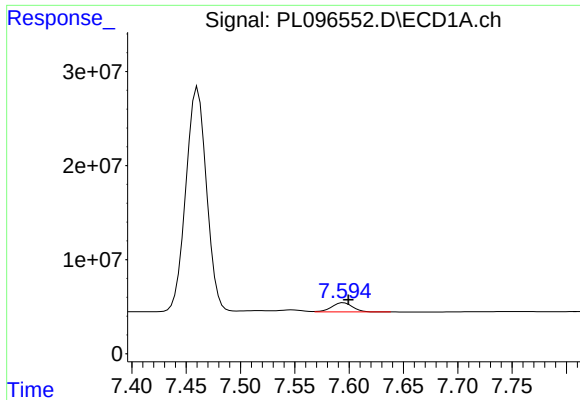
#20 Methoxychlor

R.T.: 7.461 min
Delta R.T.: -0.004 min
Response: 316802542
Conc: 201.09 ng/ml



#20 Methoxychlor

R.T.: 6.680 min
Delta R.T.: -0.005 min
Response: 578253592
Conc: 190.35 ng/ml



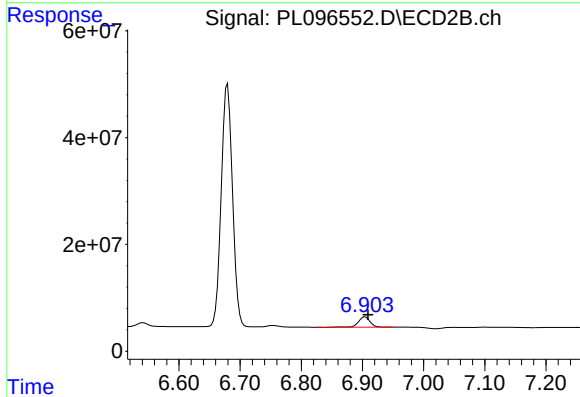
#21 Endrin ketone

R.T.: 7.595 min
Delta R.T.: -0.004 min
Response: 13127500
Conc: 3.98 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

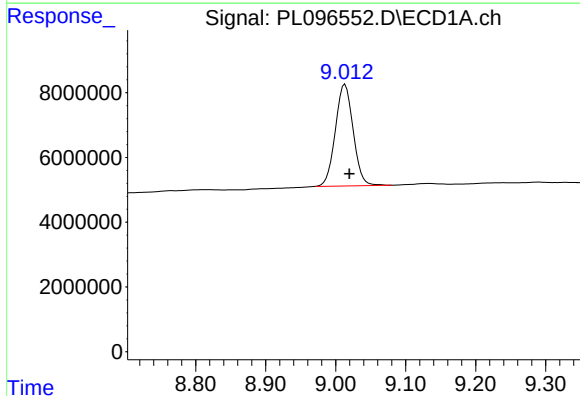
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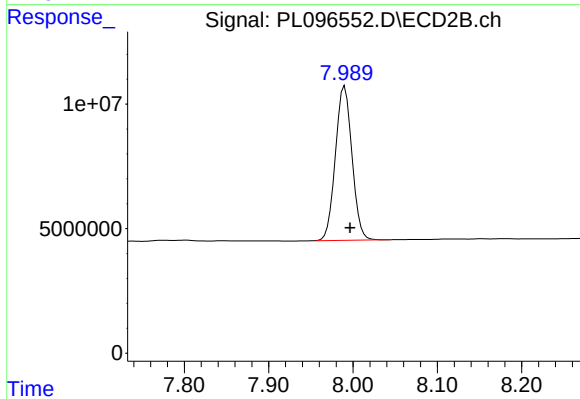
#21 Endrin ketone

R.T.: 6.904 min
Delta R.T.: -0.005 min
Response: 25606598
Conc: 4.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.013 min
Delta R.T.: -0.007 min
Response: 55587258
Conc: 19.76 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.990 min
Delta R.T.: -0.006 min
Response: 84646252
Conc: 16.98 ng/ml