

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL032725\
 Data File : PL094894.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 27 Mar 2025 08:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 03/28/2025
 Supervised By : mohammad ahmed 03/31/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Mar 27 12:41:16 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
 Quant Title : GC Extractables
 QLast Update : Tue Mar 11 17:42:21 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...	3.537	2.770	60886825	80889698	21.510	22.663
2) SA Decachlor...	9.051	7.902	49138598	89650910	23.317	22.194
Target Compounds						
2) A alpha-BHC	3.993	3.272	45412155	58176968	10.937	10.791
3) MA gamma-BHC...	4.326	3.602	44022411	56097779	11.032	10.915
6) B beta-BHC	4.525	3.903	19937685	27356899	10.805	12.316
12) B 4,4'-DDE	6.187	5.222	933239	409492	0.317m	0.088m#
14) MA Endrin	6.571	5.631	124.5E6	231.3E6	44.911m	53.003
16) A 4,4'-DDD	6.705	5.778	3758856	5987320	1.735m	1.665
17) MA 4,4'-DDT	7.023	6.028	235.2E6	471.7E6	98.873	116.998
18) B Endrin al...	6.920	6.104	3509495	6984984	1.662m	2.076
20) A Methoxychlor	7.499	6.601	290.2E6	552.0E6	242.388	260.245m
21) B Endrin ke...	7.641	6.832	7447977	22326007	2.818	4.678 #

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

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Acq On : 27 Mar 2025 08:41
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

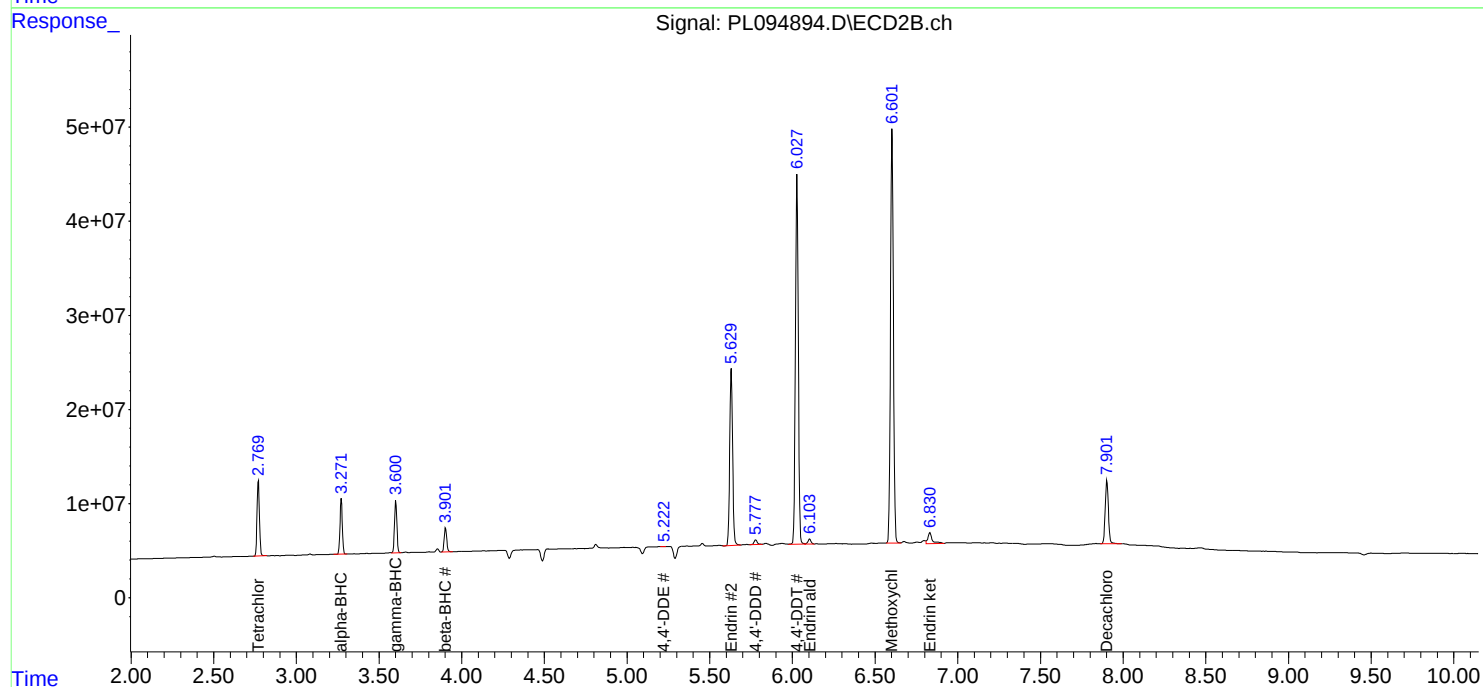
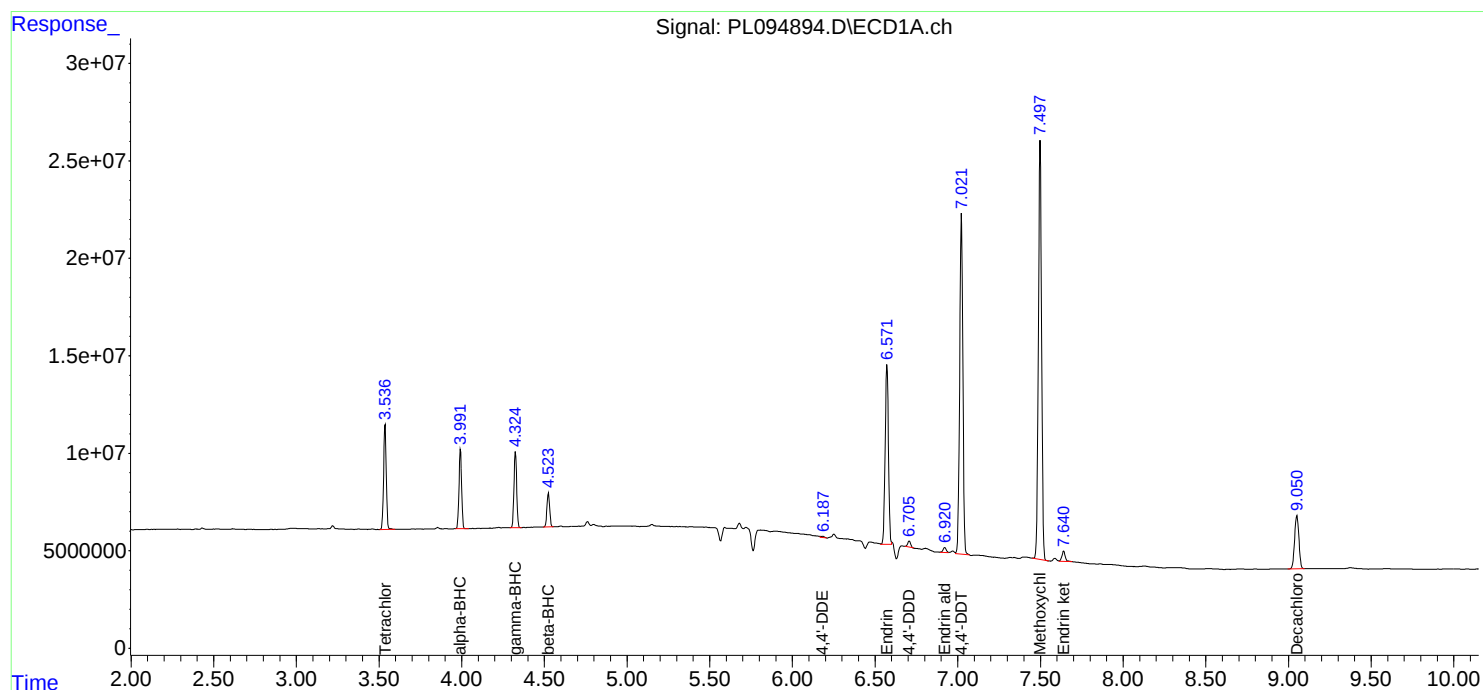
Instrument :
ECD_L
ClientSampleId :
PEM

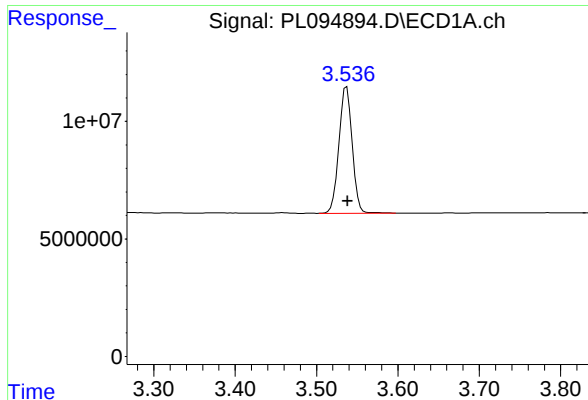
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL031125.M
Quant Title : GC Extractables
QLast Update : Tue Mar 11 17:42:21 2025
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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





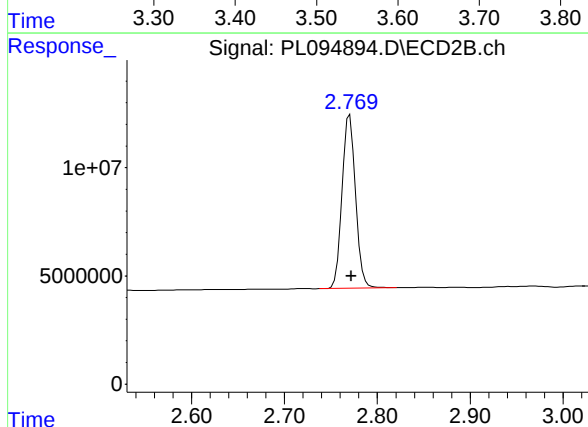
#1 Tetrachloro-m-xylene

R.T.: 3.537 min
Delta R.T.: 0.000 min
Response: 60886825
Conc: 21.51 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

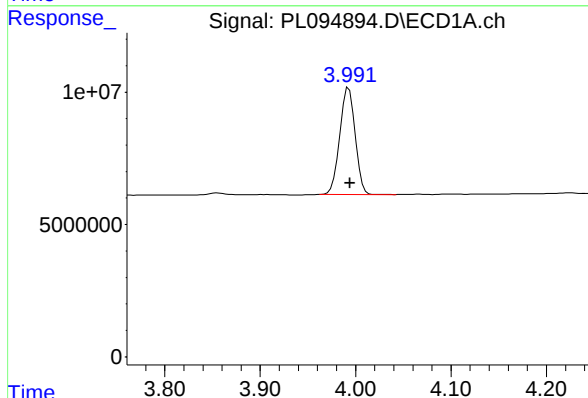
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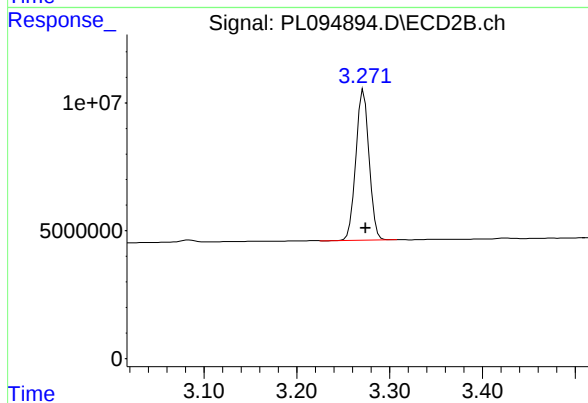
#1 Tetrachloro-m-xylene

R.T.: 2.770 min
Delta R.T.: -0.002 min
Response: 80889698
Conc: 22.66 ng/ml



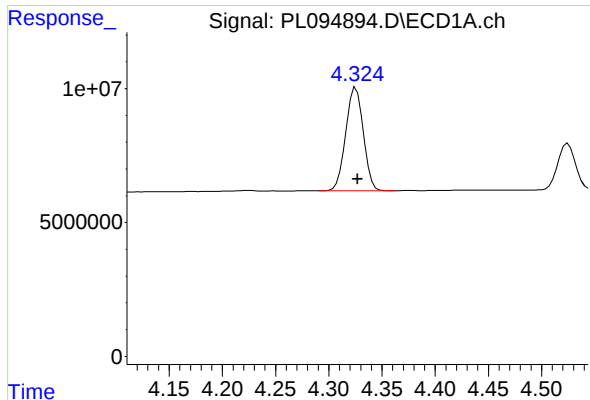
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: -0.001 min
Response: 45412155
Conc: 10.94 ng/ml



#2 alpha-BHC

R.T.: 3.272 min
Delta R.T.: -0.002 min
Response: 58176968
Conc: 10.79 ng/ml



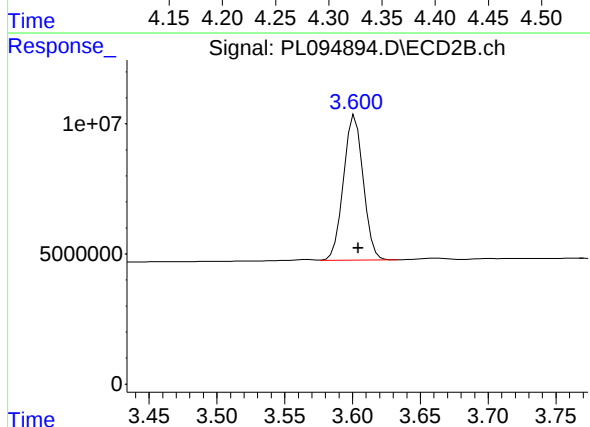
#3 gamma-BHC (Lindane)

R.T.: 4.326 min
Delta R.T.: -0.001 min
Response: 44022411
Conc: 11.03 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

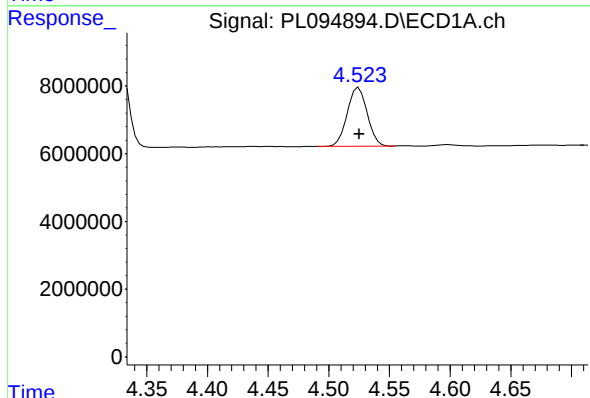
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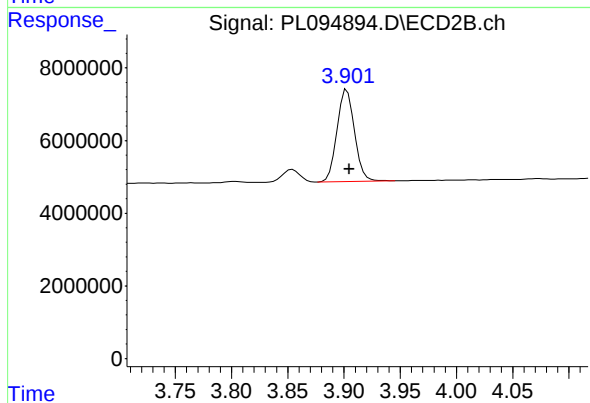
#3 gamma-BHC (Lindane)

R.T.: 3.602 min
Delta R.T.: -0.002 min
Response: 56097779
Conc: 10.92 ng/ml



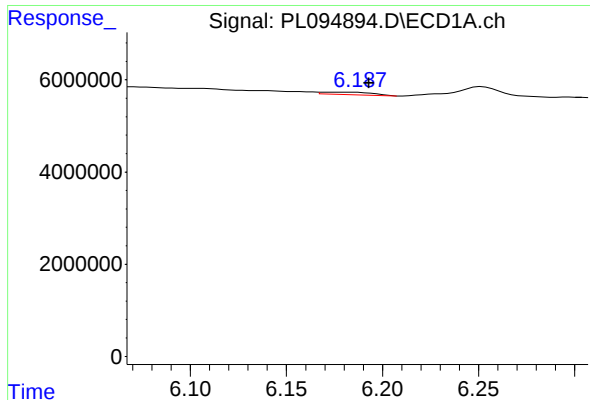
#6 beta-BHC

R.T.: 4.525 min
Delta R.T.: 0.000 min
Response: 19937685
Conc: 10.81 ng/ml



#6 beta-BHC

R.T.: 3.903 min
Delta R.T.: -0.002 min
Response: 27356899
Conc: 12.32 ng/ml



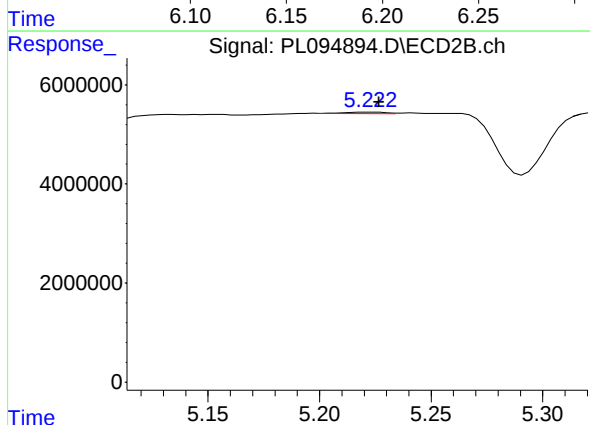
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.006 min
Response: 933239
Conc: 0.32 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

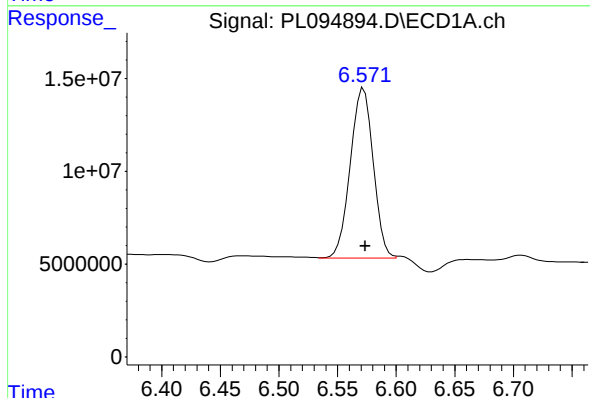
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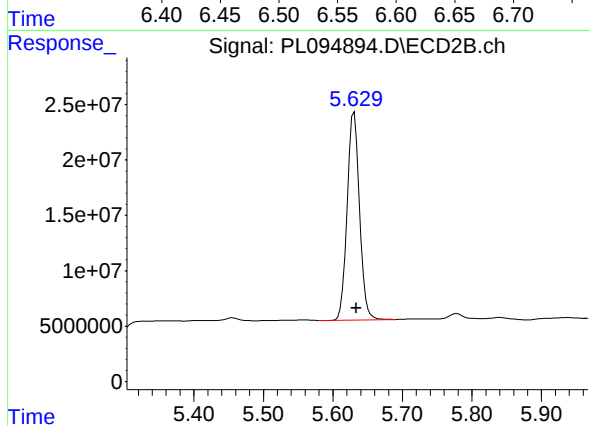
#12 4,4'-DDE

R.T.: 5.222 min
Delta R.T.: -0.005 min
Response: 409492
Conc: 0.09 ng/ml



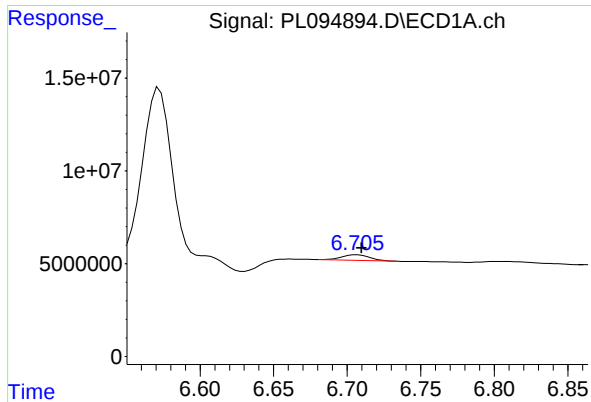
#14 Endrin

R.T.: 6.571 min
Delta R.T.: -0.003 min
Response: 124496718
Conc: 44.91 ng/ml



#14 Endrin

R.T.: 5.631 min
Delta R.T.: -0.003 min
Response: 231287415
Conc: 53.00 ng/ml



#16 4,4'-DDD

R.T.: 6.705 min
Delta R.T.: -0.005 min
Response: 3758856
Conc: 1.74 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#16 4,4'-DDD

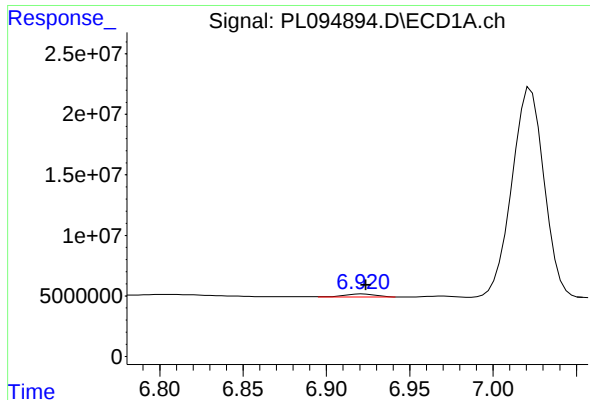
R.T.: 5.778 min
Delta R.T.: -0.004 min
Response: 5987320
Conc: 1.67 ng/ml

#17 4,4'-DDT

R.T.: 7.023 min
Delta R.T.: -0.001 min
Response: 235172957
Conc: 98.87 ng/ml

#17 4,4'-DDT

R.T.: 6.028 min
Delta R.T.: -0.004 min
Response: 471749063
Conc: 117.00 ng/ml



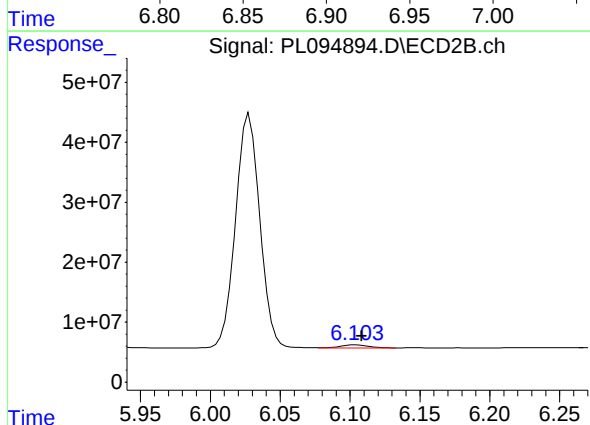
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: -0.003 min
Response: 3509495
Conc: 1.66 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

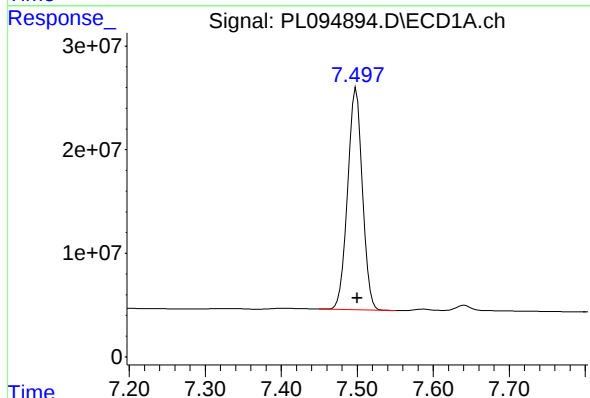
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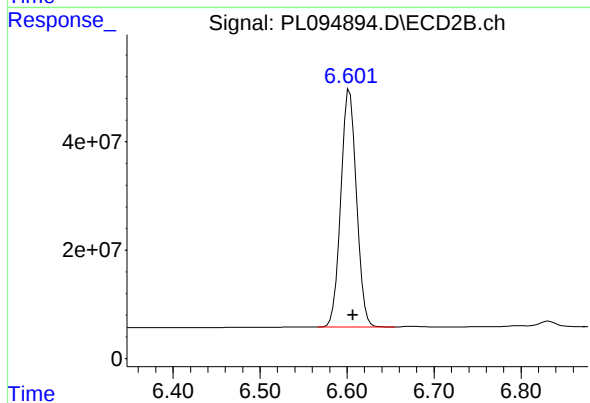
#18 Endrin aldehyde

R.T.: 6.104 min
Delta R.T.: -0.004 min
Response: 6984984
Conc: 2.08 ng/ml



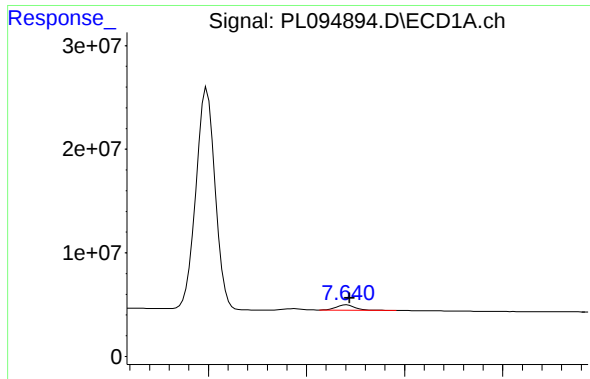
#20 Methoxychlor

R.T.: 7.499 min
Delta R.T.: -0.001 min
Response: 290156154
Conc: 242.39 ng/ml



#20 Methoxychlor

R.T.: 6.601 min
Delta R.T.: -0.005 min
Response: 551997562
Conc: 260.25 ng/ml m



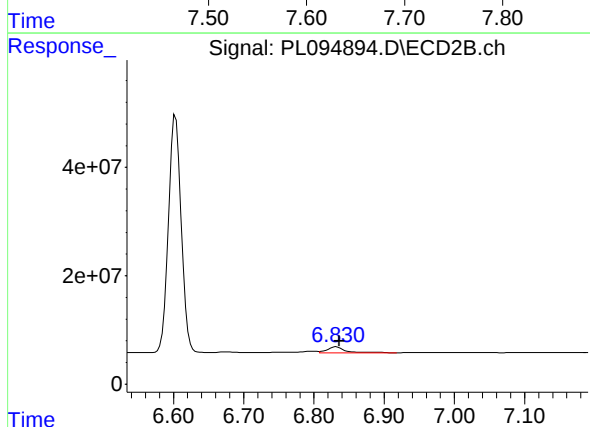
#21 Endrin ketone

R.T.: 7.641 min
Delta R.T.: -0.003 min
Response: 7447977
Conc: 2.82 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

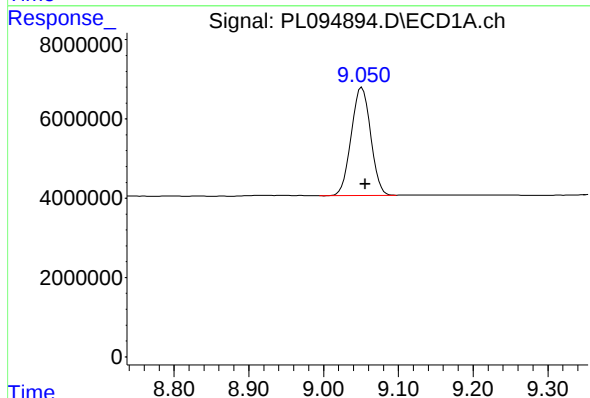
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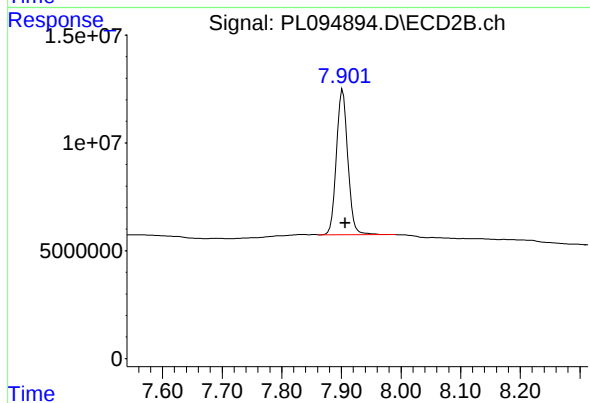
#21 Endrin ketone

R.T.: 6.832 min
Delta R.T.: -0.004 min
Response: 22326007
Conc: 4.68 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.051 min
Delta R.T.: -0.004 min
Response: 49138598
Conc: 23.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.005 min
Response: 89650910
Conc: 22.19 ng/ml