

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL072125\
 Data File : PL096480.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Jul 2025 12:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/22/2025
 Supervised By :mohammad ahmed 07/23/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 22 01:43:31 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...	3.535	2.825	77296470	130.4E6	21.183	22.600
28)	SA Decachlor...	9.024	7.994	59986402	111.7E6	21.324	22.402
Target Compounds							
2)	A alpha-BHC	3.983	3.331	56123842	94071420	10.912	11.153
3)	MA gamma-BHC...	4.312	3.663	53569568	89058605	10.758	11.308
6)	B beta-BHC	4.498	3.959	23771543	40537724	11.435	11.840
12)	B 4,4'-DDE	6.172	5.304	1460920	842883	0.394m	0.130m#
14)	MA Endrin	6.546	5.709	178.3E6	340.1E6	57.314	55.782
16)	A 4,4'-DDD	6.679	5.857	20981587	25664408	7.206	5.004 #
17)	MA 4,4'-DDT	6.994	6.110	311.2E6	639.8E6	102.514	111.558
18)	B Endrin al...	6.888	6.181	3258568	10054251	1.458m	2.257 #
20)	A Methoxychlor	7.467	6.683	384.7E6	713.7E6	244.179	234.935
21)	B Endrin ke...	7.602	6.907	9683418	29152782	2.933	4.663 #

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

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Data File : PL096480.D
Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
Acq On : 21 Jul 2025 12:30
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

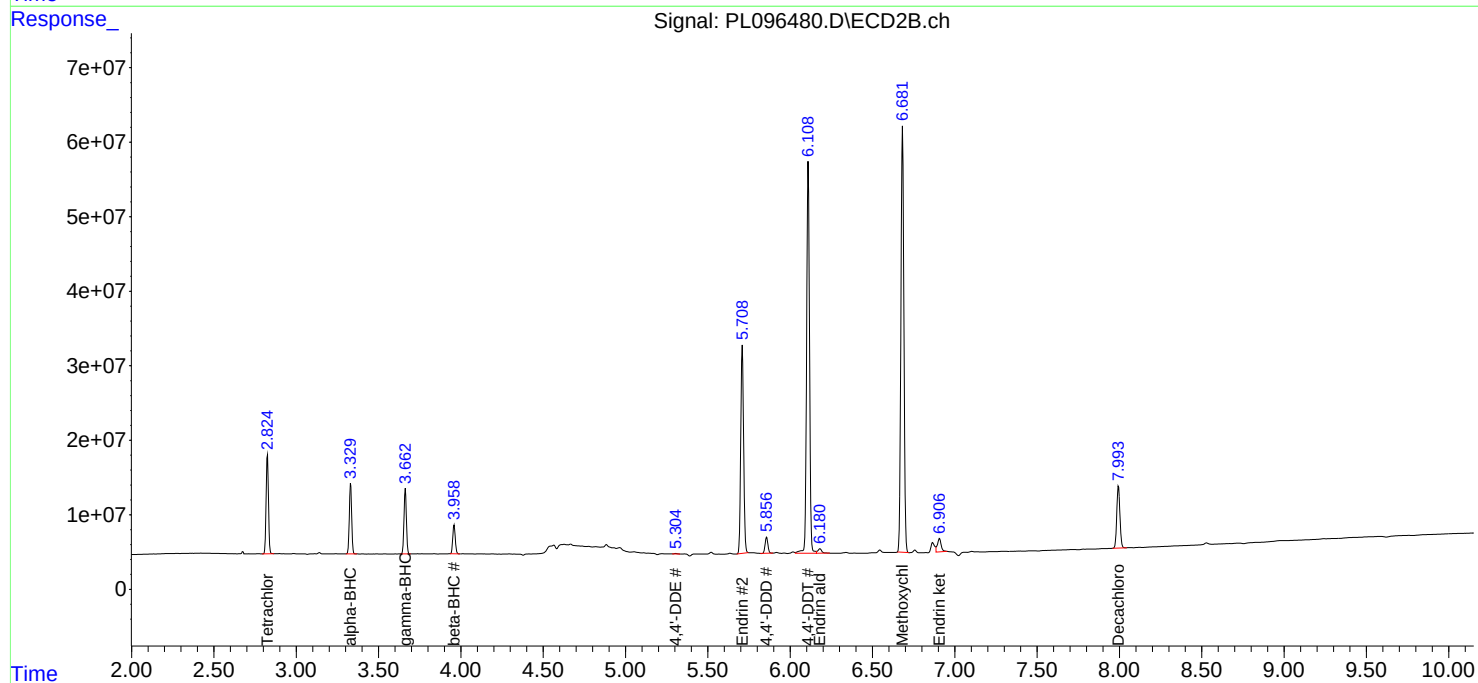
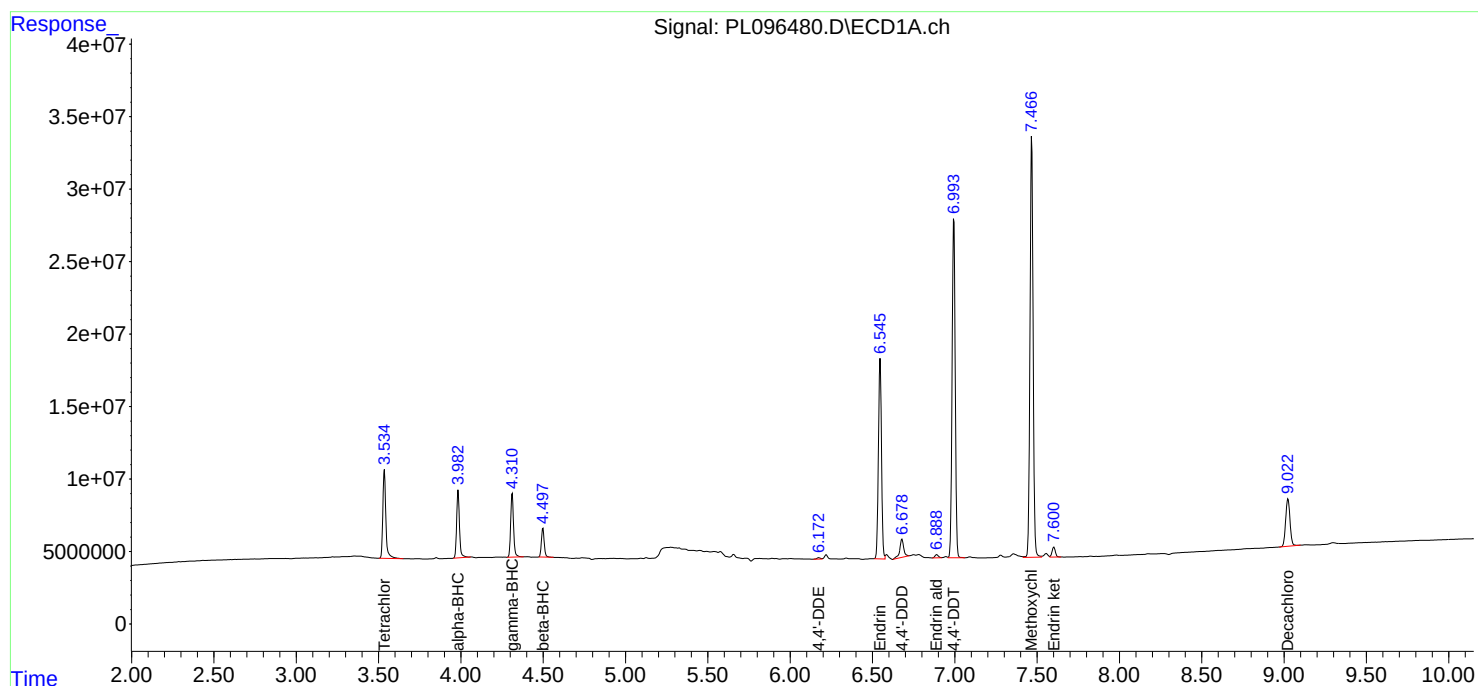
Instrument :
ECD_L
ClientSampleId :
PEM

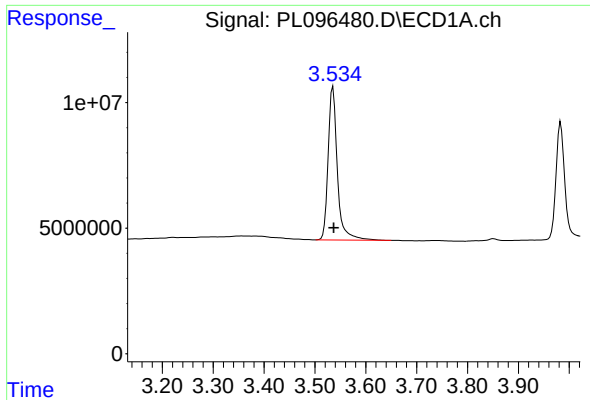
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Integration File signal 1: autoint1.e
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Volume Inj. : 1 µl
Signal #1 Phase : ZB-MR1 Signal #2 Phase: ZB-MR2
Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x0.25µm





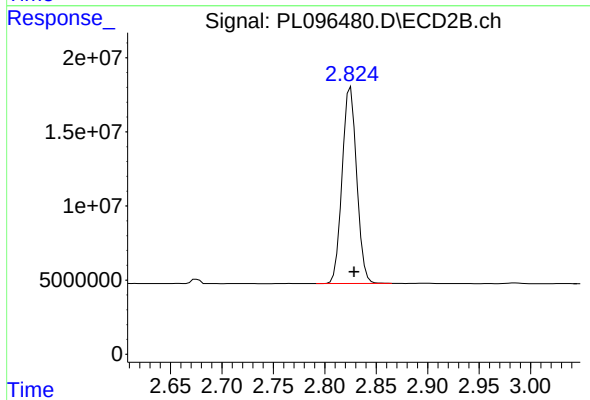
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 77296470
Conc: 21.18 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

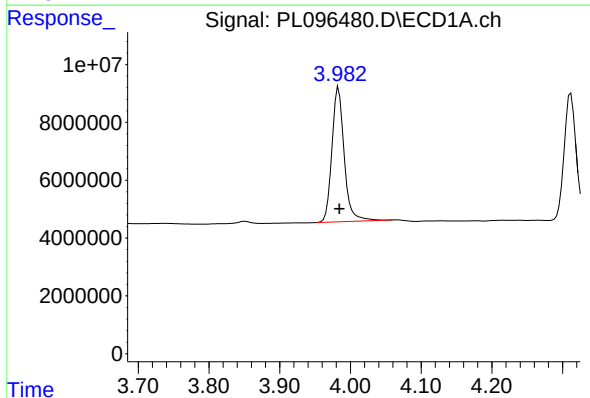
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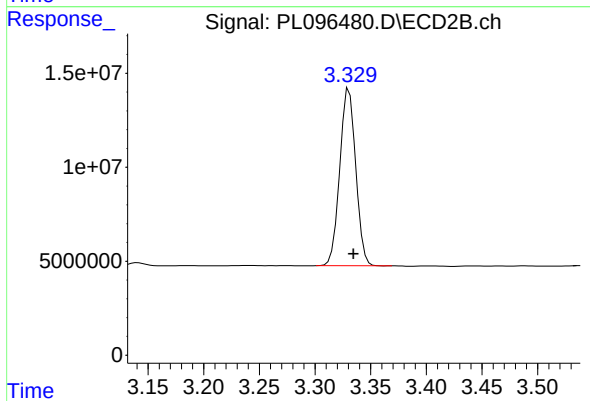
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 130429757
Conc: 22.60 ng/ml



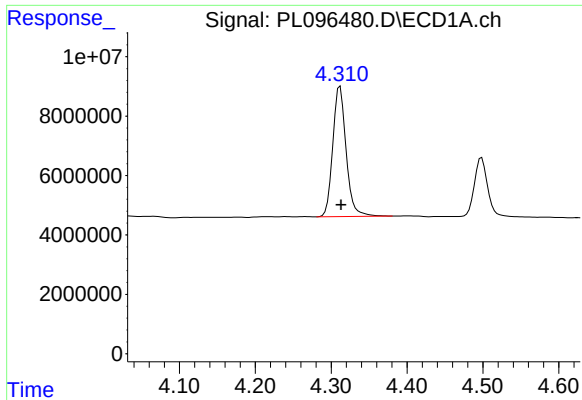
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 56123842
Conc: 10.91 ng/ml



#2 alpha-BHC

R.T.: 3.331 min
Delta R.T.: -0.004 min
Response: 94071420
Conc: 11.15 ng/ml



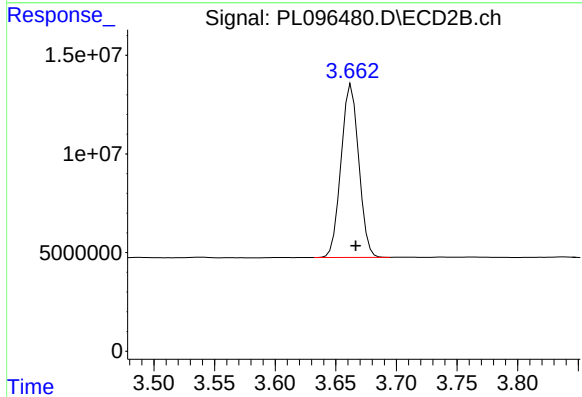
#3 gamma-BHC (Lindane)

R.T.: 4.312 min
Delta R.T.: -0.001 min
Response: 53569568
Conc: 10.76 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

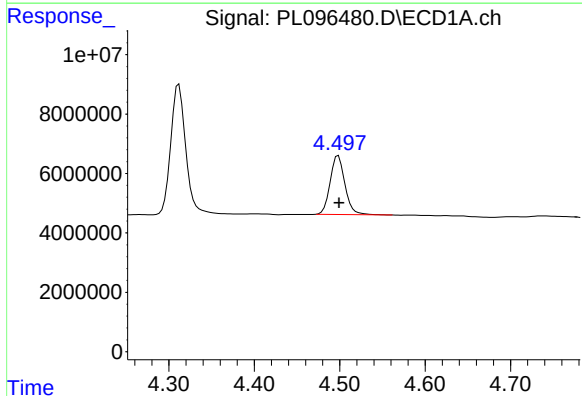
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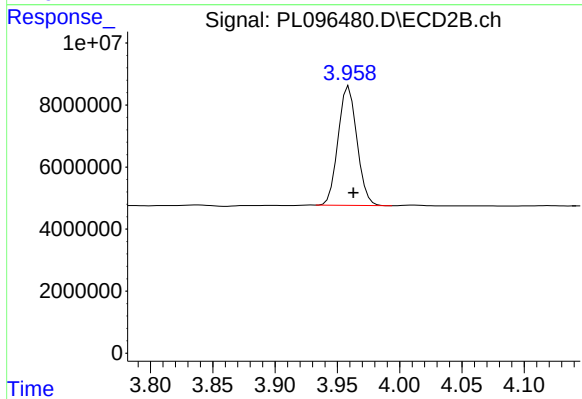
#3 gamma-BHC (Lindane)

R.T.: 3.663 min
Delta R.T.: -0.004 min
Response: 89058605
Conc: 11.31 ng/ml



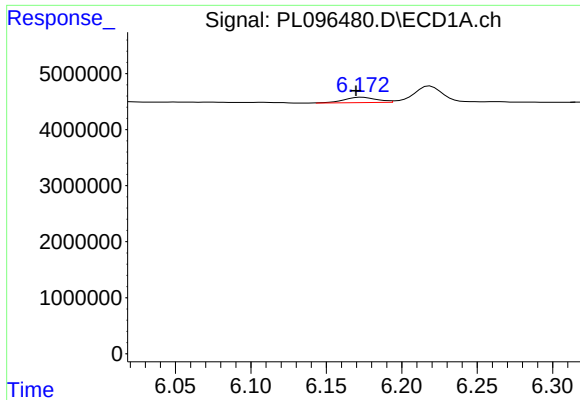
#6 beta-BHC

R.T.: 4.498 min
Delta R.T.: -0.001 min
Response: 23771543
Conc: 11.44 ng/ml



#6 beta-BHC

R.T.: 3.959 min
Delta R.T.: -0.004 min
Response: 40537724
Conc: 11.84 ng/ml



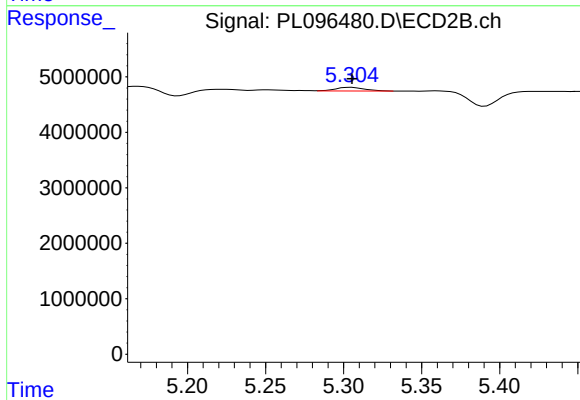
#12 4,4'-DDE

R.T.: 6.172 min
Delta R.T.: 0.003 min
Response: 1460920
Conc: 0.39 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

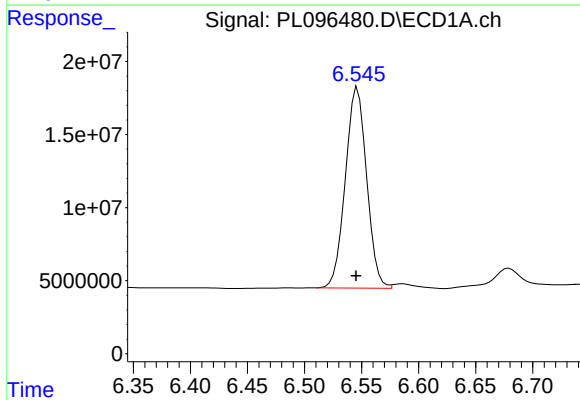
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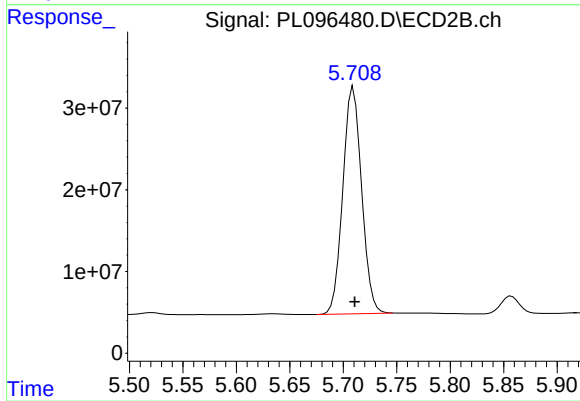
#12 4,4'-DDE

R.T.: 5.304 min
Delta R.T.: -0.002 min
Response: 842883
Conc: 0.13 ng/ml m



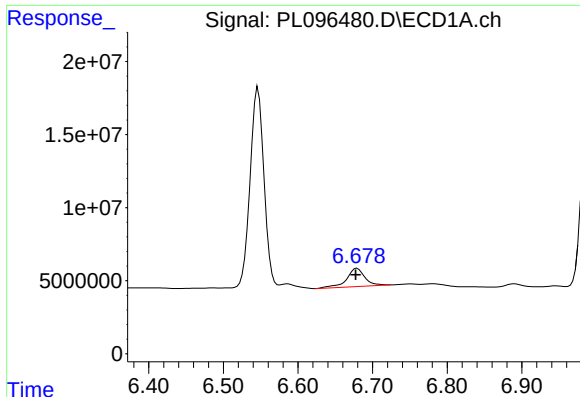
#14 Endrin

R.T.: 6.546 min
Delta R.T.: 0.001 min
Response: 178258492
Conc: 57.31 ng/ml



#14 Endrin

R.T.: 5.709 min
Delta R.T.: -0.001 min
Response: 340072131
Conc: 55.78 ng/ml



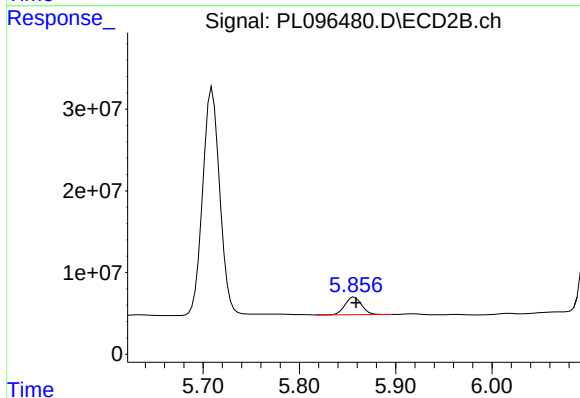
#16 4,4'-DDD

R.T.: 6.679 min
Delta R.T.: 0.002 min
Response: 20981587
Conc: 7.21 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

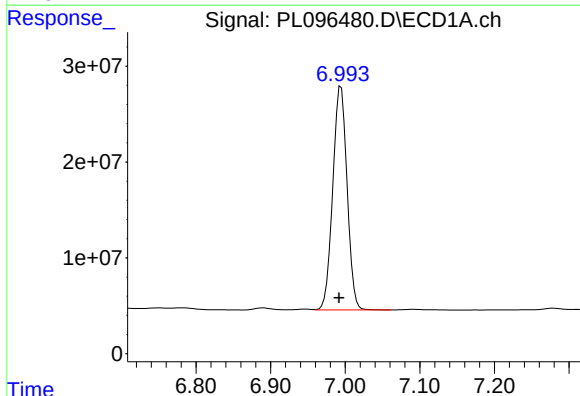
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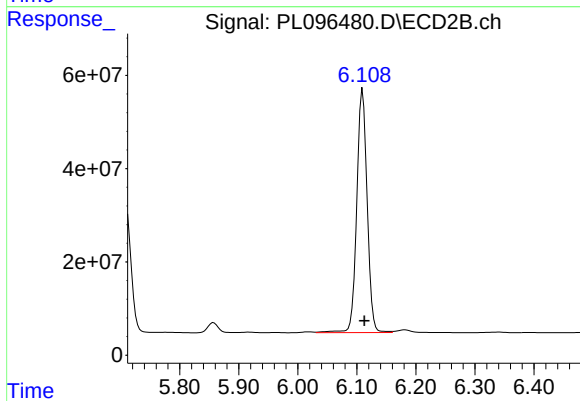
#16 4,4'-DDD

R.T.: 5.857 min
Delta R.T.: -0.002 min
Response: 25664408
Conc: 5.00 ng/ml



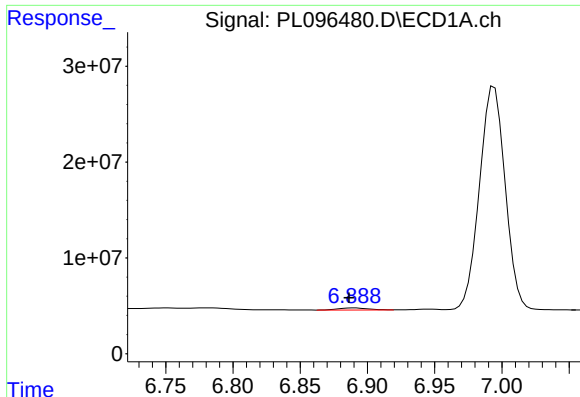
#17 4,4'-DDT

R.T.: 6.994 min
Delta R.T.: 0.003 min
Response: 311151793
Conc: 102.51 ng/ml



#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 639800180
Conc: 111.56 ng/ml



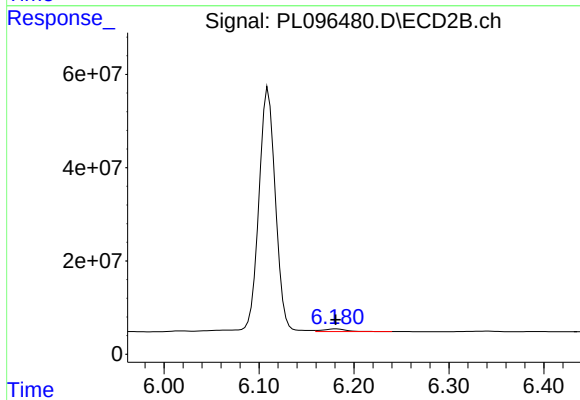
#18 Endrin aldehyde

R.T.: 6.888 min
Delta R.T.: 0.002 min
Response: 3258568
Conc: 1.46 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

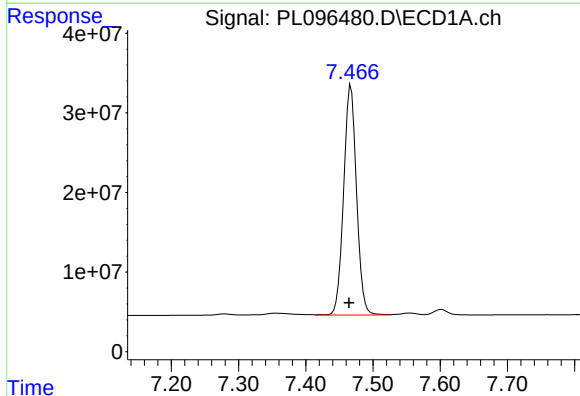
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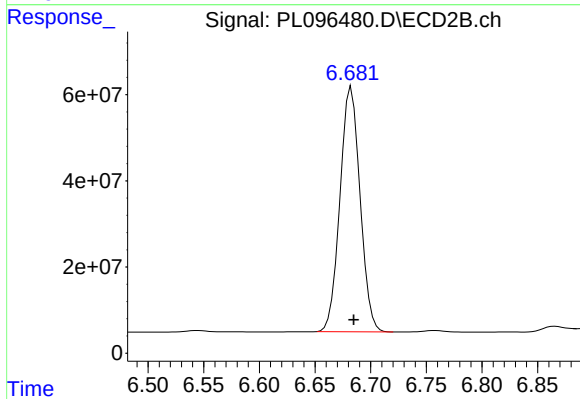
#18 Endrin aldehyde

R.T.: 6.181 min
Delta R.T.: 0.000 min
Response: 10054251
Conc: 2.26 ng/ml



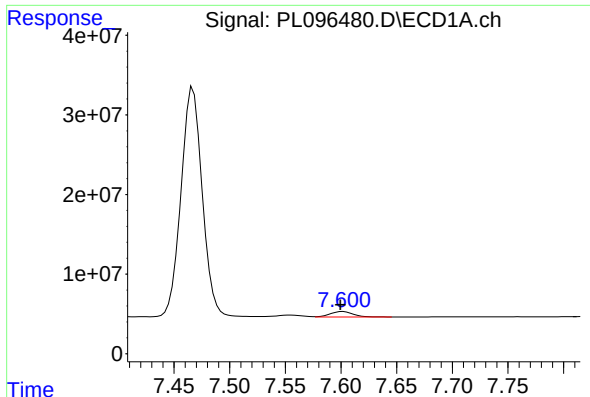
#20 Methoxychlor

R.T.: 7.467 min
Delta R.T.: 0.003 min
Response: 384679098
Conc: 244.18 ng/ml



#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 713678352
Conc: 234.93 ng/ml



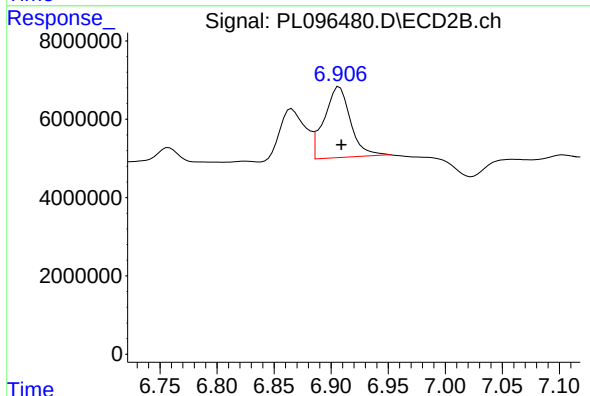
#21 Endrin ketone

R.T.: 7.602 min
Delta R.T.: 0.002 min
Response: 9683418
Conc: 2.93 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

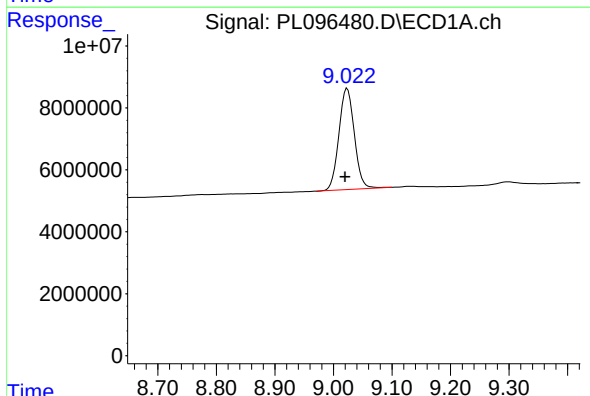
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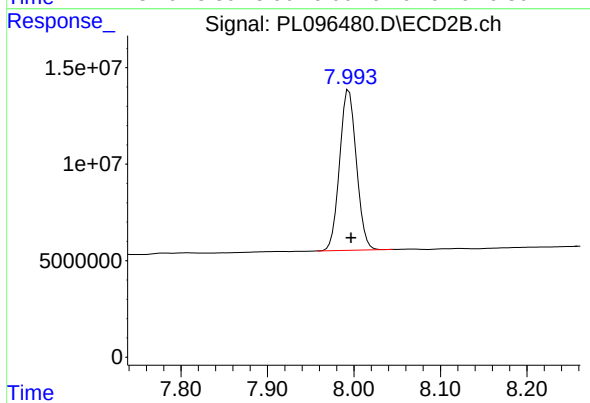
#21 Endrin ketone

R.T.: 6.907 min
Delta R.T.: -0.002 min
Response: 29152782
Conc: 4.66 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.024 min
Delta R.T.: 0.004 min
Response: 59986402
Conc: 21.32 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 111706574
Conc: 22.40 ng/ml