

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL071125\
 Data File : PL096340.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Jul 2025 15:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 07/14/2025
 Supervised By :mohammad ahmed 07/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Jul 11 22:48:57 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	2.827	86552156	116.4E6	23.720	20.169
28)	SA Decachlor...	9.019	7.994	73692374	116.6E6	26.197	23.392
Target Compounds							
2)	A alpha-BHC	3.983	3.332	58030041	82002156	11.283	9.722
3)	MA gamma-BHC...	4.311	3.665	59433691	77951321	11.935	9.897
6)	B beta-BHC	4.497	3.961	25441567	35973662	12.239	10.507
14)	MA Endrin	6.544	5.710	207.1E6	319.0E6	66.592	52.321
16)	A 4,4'-DDD	6.676	5.856	9275668	6394692	3.186m	1.247m#
17)	MA 4,4'-DDT	6.991	6.110	379.7E6	625.2E6	125.089	109.020
18)	B Endrin al...	6.887	6.182	4899412	14968279	2.192m	3.360 #
20)	A Methoxychlor	7.464	6.683	464.3E6	731.8E6	294.703	240.886
21)	B Endrin ke...	7.599	6.906	5758240	11555748	1.744	1.848

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

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Acq On : 11 Jul 2025 15:08
Operator : AR\AJ
Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

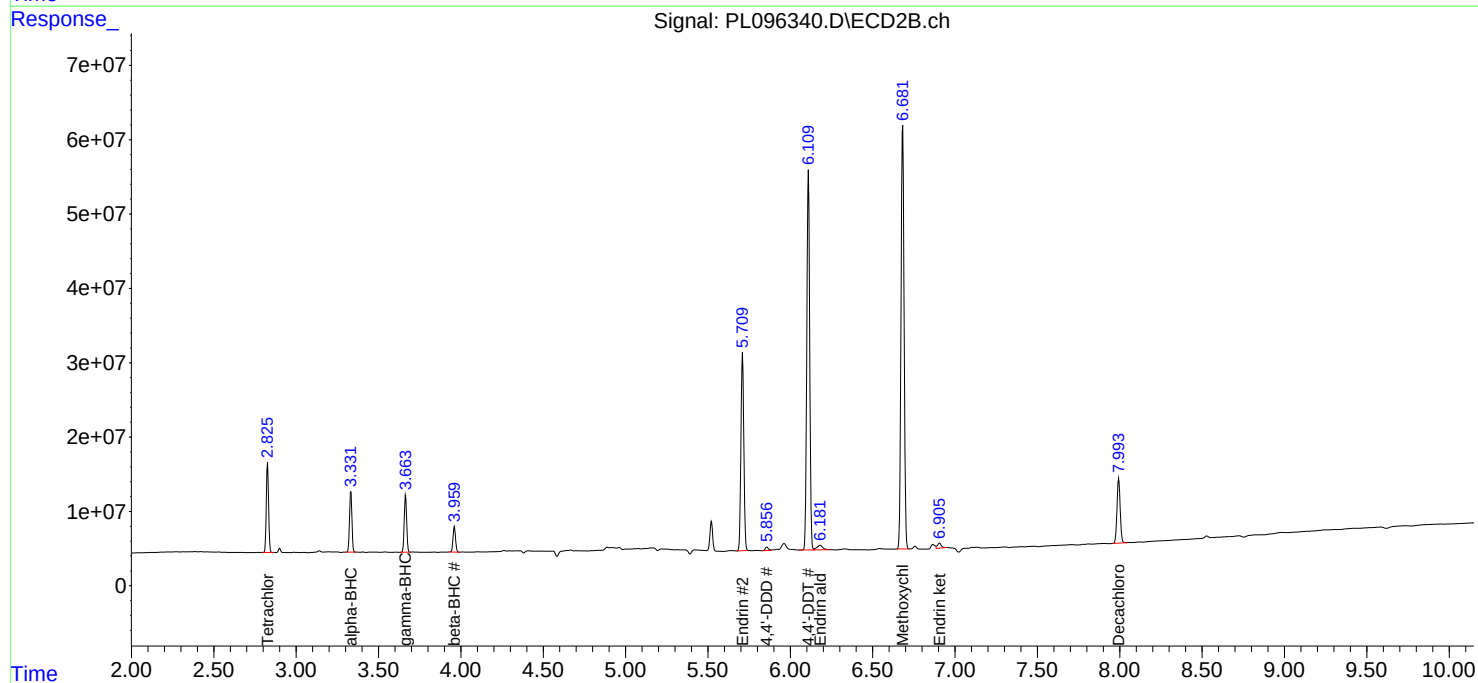
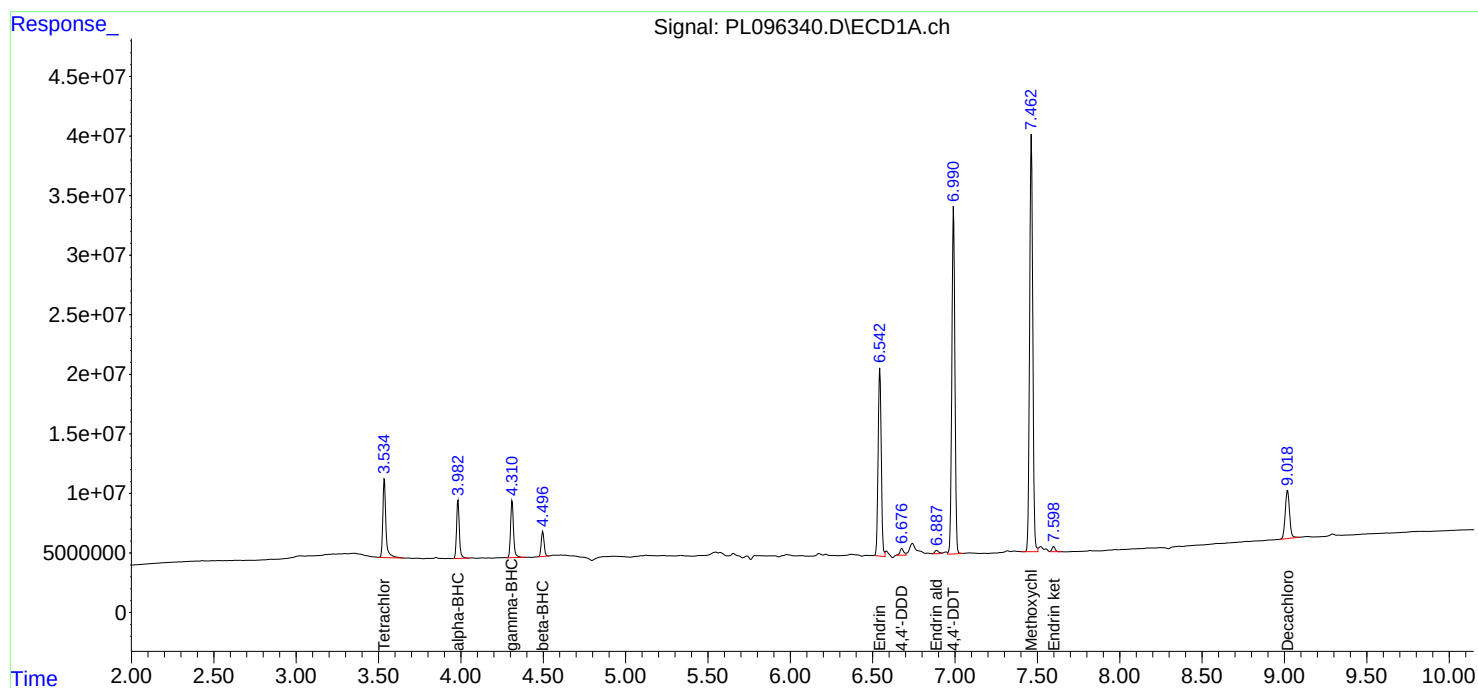
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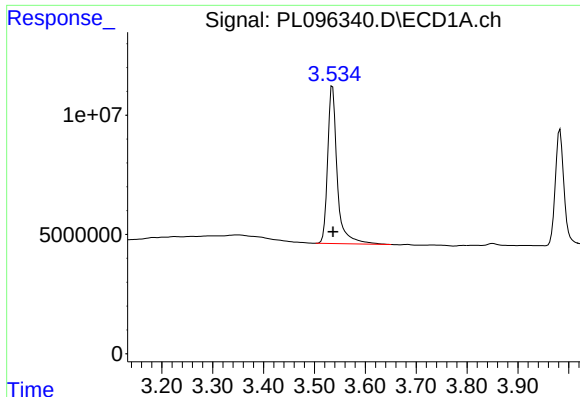
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Integration File signal 1: autoint1.e
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Volume Inj. : 1 µl
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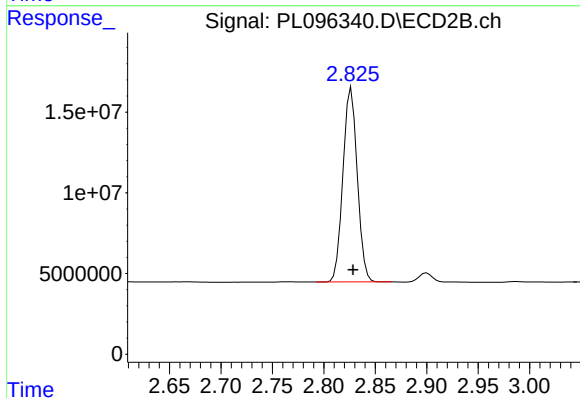
#1 Tetrachloro-m-xylene

R.T.: 3.535 min
Delta R.T.: -0.002 min
Response: 86552156
Conc: 23.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

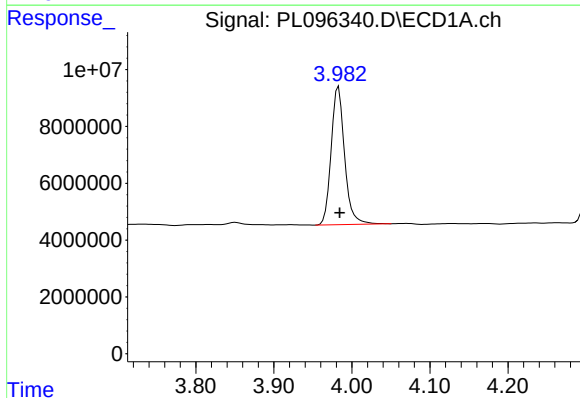
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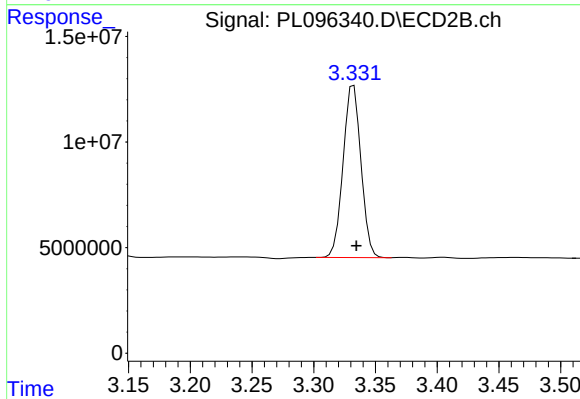
#1 Tetrachloro-m-xylene

R.T.: 2.827 min
Delta R.T.: -0.002 min
Response: 116400533
Conc: 20.17 ng/ml



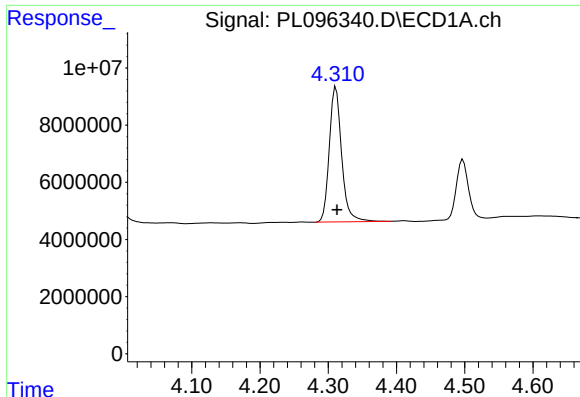
#2 alpha-BHC

R.T.: 3.983 min
Delta R.T.: -0.001 min
Response: 58030041
Conc: 11.28 ng/ml



#2 alpha-BHC

R.T.: 3.332 min
Delta R.T.: -0.002 min
Response: 82002156
Conc: 9.72 ng/ml



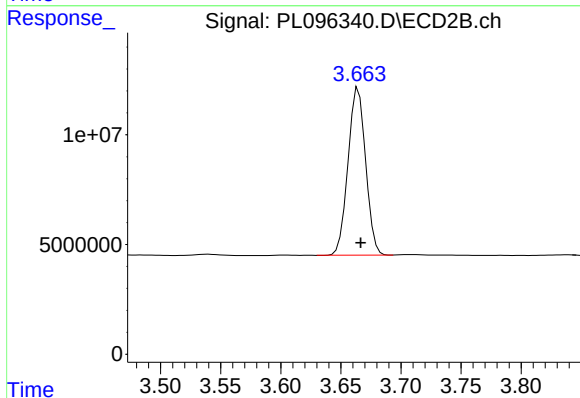
#3 gamma-BHC (Lindane)

R.T.: 4.311 min
Delta R.T.: -0.002 min
Response: 59433691
Conc: 11.94 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

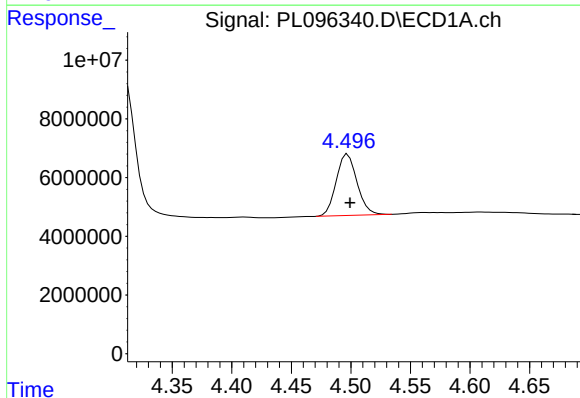
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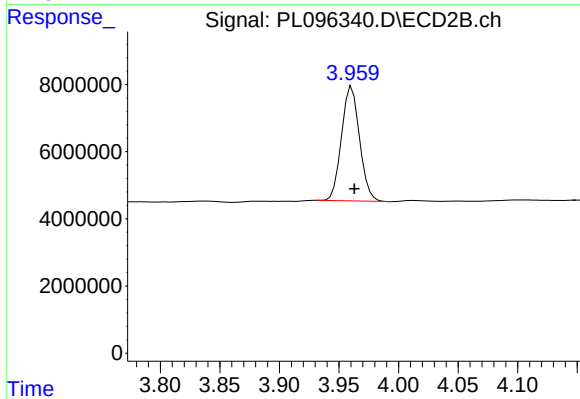
#3 gamma-BHC (Lindane)

R.T.: 3.665 min
Delta R.T.: -0.002 min
Response: 77951321
Conc: 9.90 ng/ml



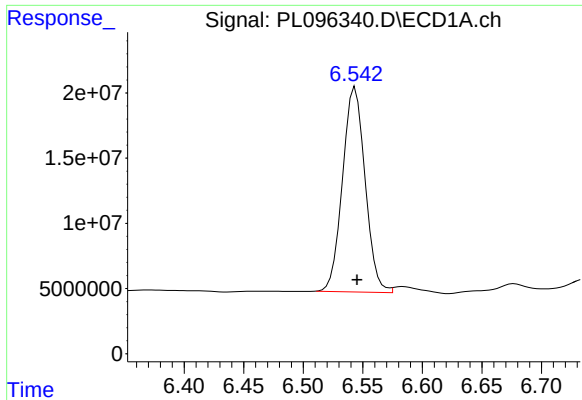
#6 beta-BHC

R.T.: 4.497 min
Delta R.T.: -0.002 min
Response: 25441567
Conc: 12.24 ng/ml



#6 beta-BHC

R.T.: 3.961 min
Delta R.T.: -0.002 min
Response: 35973662
Conc: 10.51 ng/ml



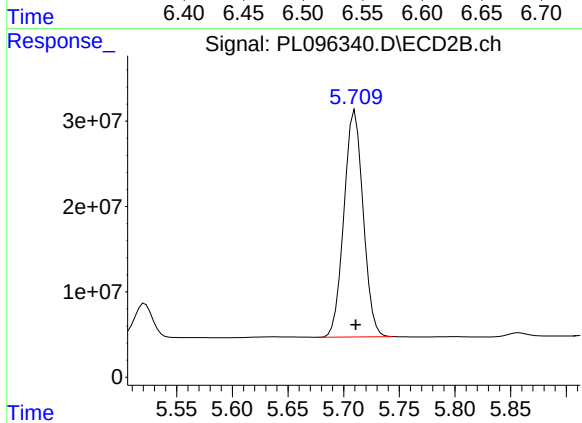
#14 Endrin

R.T.: 6.544 min
Delta R.T.: -0.002 min
Response: 207114438
Conc: 66.59 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

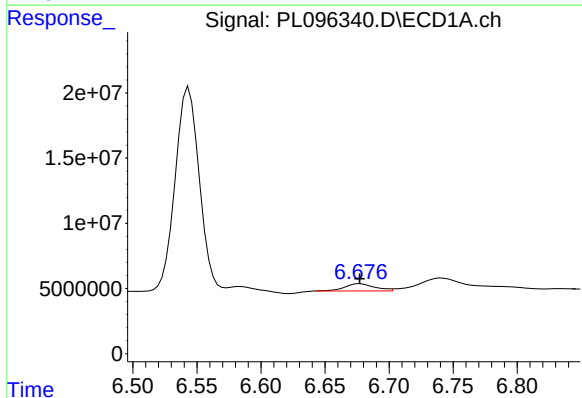
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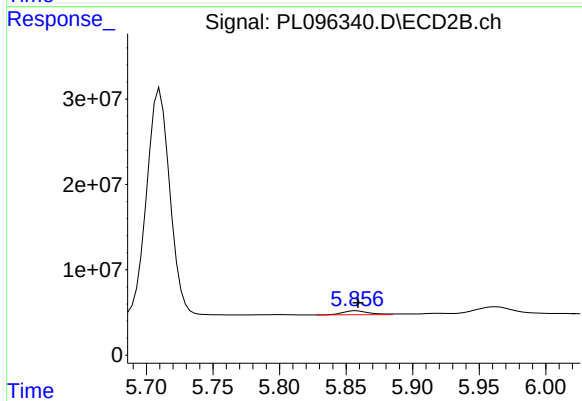
#14 Endrin

R.T.: 5.710 min
Delta R.T.: 0.000 min
Response: 318976467
Conc: 52.32 ng/ml



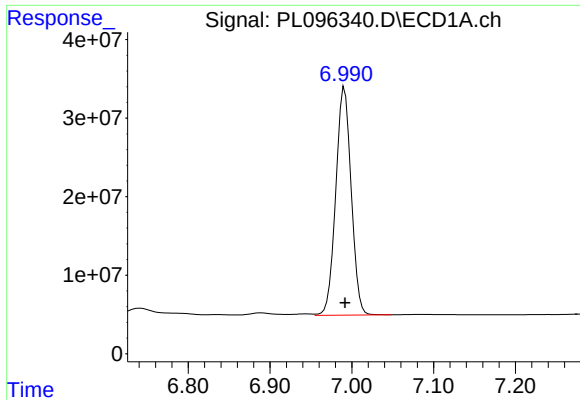
#16 4,4'-DDD

R.T.: 6.676 min
Delta R.T.: -0.001 min
Response: 9275668
Conc: 3.19 ng/ml m



#16 4,4'-DDD

R.T.: 5.856 min
Delta R.T.: -0.003 min
Response: 6394692
Conc: 1.25 ng/ml m



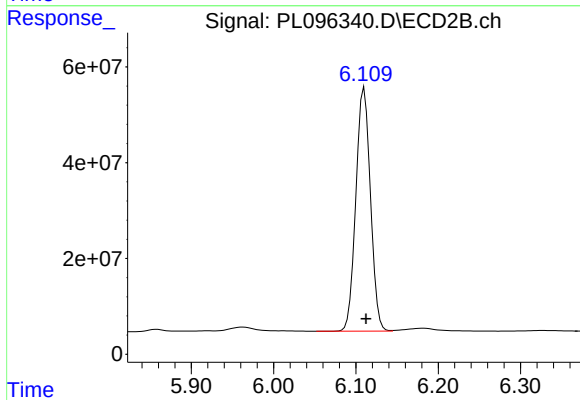
#17 4,4'-DDT

R.T.: 6.991 min
Delta R.T.: 0.000 min
Response: 379671453
Conc: 125.09 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

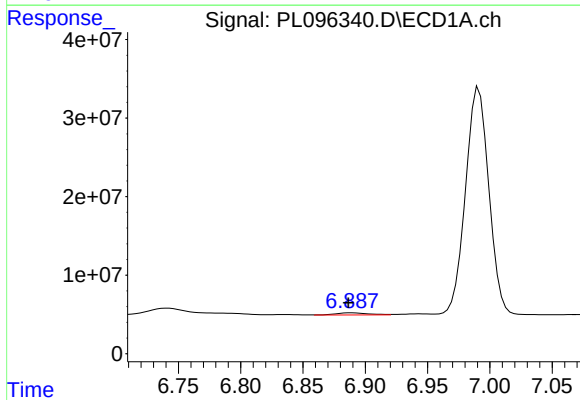
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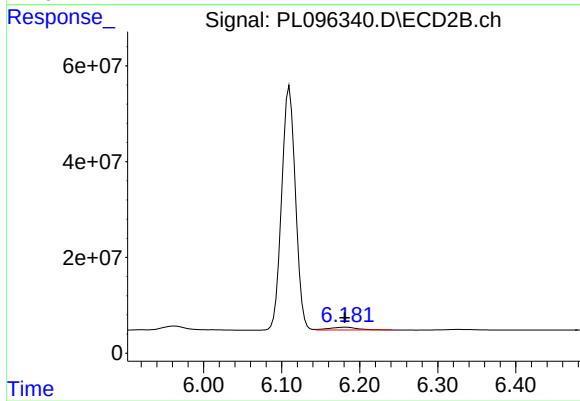
#17 4,4'-DDT

R.T.: 6.110 min
Delta R.T.: -0.003 min
Response: 625244323
Conc: 109.02 ng/ml



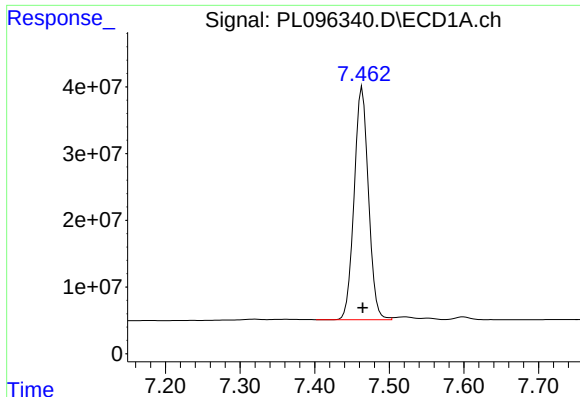
#18 Endrin aldehyde

R.T.: 6.887 min
Delta R.T.: 0.001 min
Response: 4899412
Conc: 2.19 ng/ml m



#18 Endrin aldehyde

R.T.: 6.182 min
Delta R.T.: 0.001 min
Response: 14968279
Conc: 3.36 ng/ml



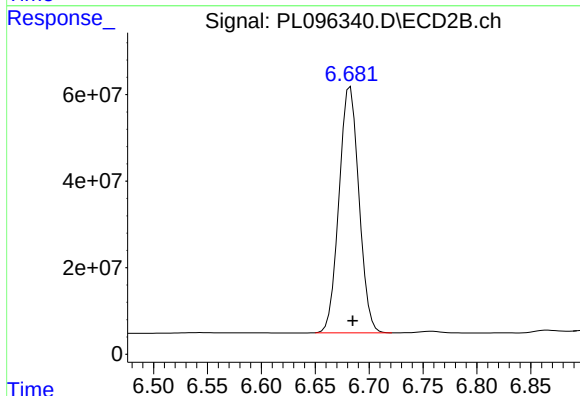
#20 Methoxychlor

R.T.: 7.464 min
Delta R.T.: 0.000 min
Response: 464273597
Conc: 294.70 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

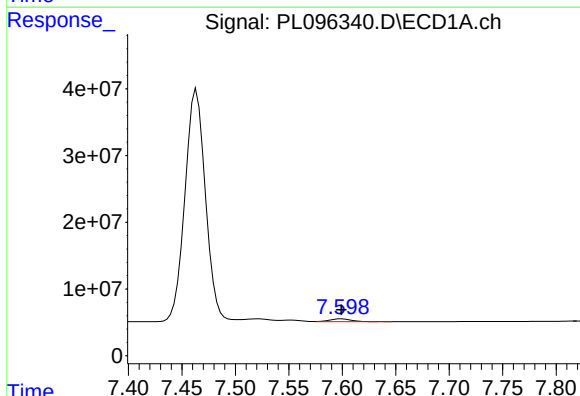
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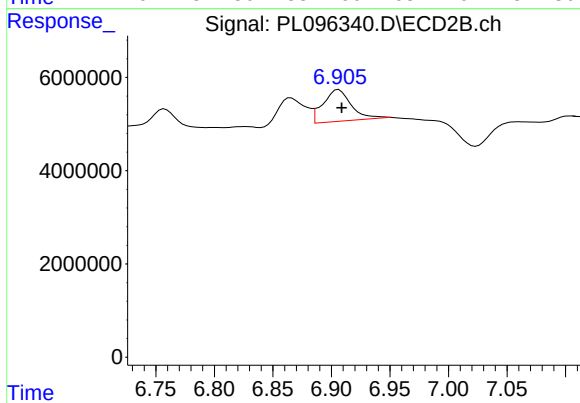
#20 Methoxychlor

R.T.: 6.683 min
Delta R.T.: -0.002 min
Response: 731756121
Conc: 240.89 ng/ml



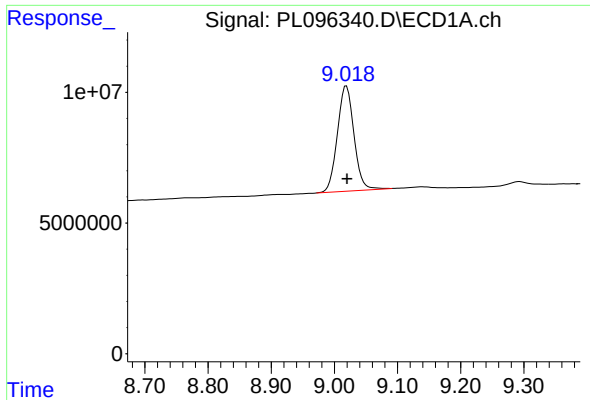
#21 Endrin ketone

R.T.: 7.599 min
Delta R.T.: 0.000 min
Response: 5758240
Conc: 1.74 ng/ml



#21 Endrin ketone

R.T.: 6.906 min
Delta R.T.: -0.003 min
Response: 11555748
Conc: 1.85 ng/ml



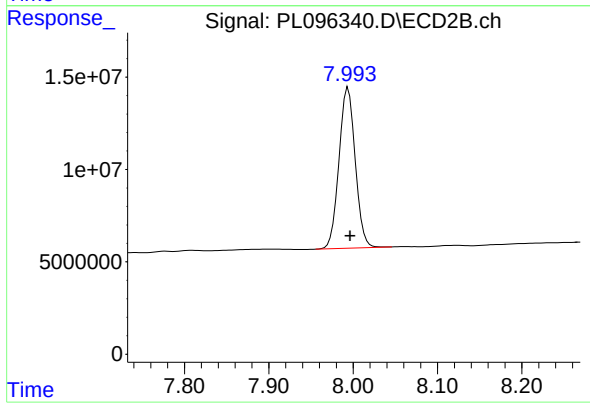
#28 Decachlorobiphenyl

R.T.: 9.019 min
Delta R.T.: 0.000 min
Response: 73692374
Conc: 26.20 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.994 min
Delta R.T.: -0.002 min
Response: 116641813
Conc: 23.39 ng/ml