

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_L\Data\PL081825\
 Data File : PL096844.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 18 Aug 2025 10:26
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_L
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 08/19/2025
 Supervised By :mohammad ahmed 08/20/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 18 12:38:29 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_L\methods\PL072825.M
 Quant Title : GC Extractables
 QLast Update : Fri Aug 08 15:43:38 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...	3.531	2.825	73626080	104.4E6	23.147	21.848
28)	SA Decachlor...	9.006	7.987	54106762	94409704	22.690	21.762
Target Compounds							
2)	A alpha-BHC	3.976	3.330	53077849	74616765	11.473m	10.544
3)	MA gamma-BHC...	4.304	3.662	51157442	70745882	11.565m	10.714
6)	B beta-BHC	4.491	3.958	22153696	32707689	12.274m	11.595
14)	MA Endrin	6.535	5.705	171.7E6	271.5E6	56.718m	50.230
16)	A 4,4'-DDD	6.669	5.852	9335872	17541435	3.692	3.728
17)	MA 4,4'-DDT	6.983	6.105	308.3E6	511.2E6	107.516	101.064
18)	B Endrin al...	6.878	6.175	3600202	14799158	1.678m	4.071 #
20)	A Methoxychlor	7.455	6.676	374.7E6	610.7E6	255.163	222.842m
21)	B Endrin ke...	7.590	6.902	8908592	21316876	2.963	3.827 #

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

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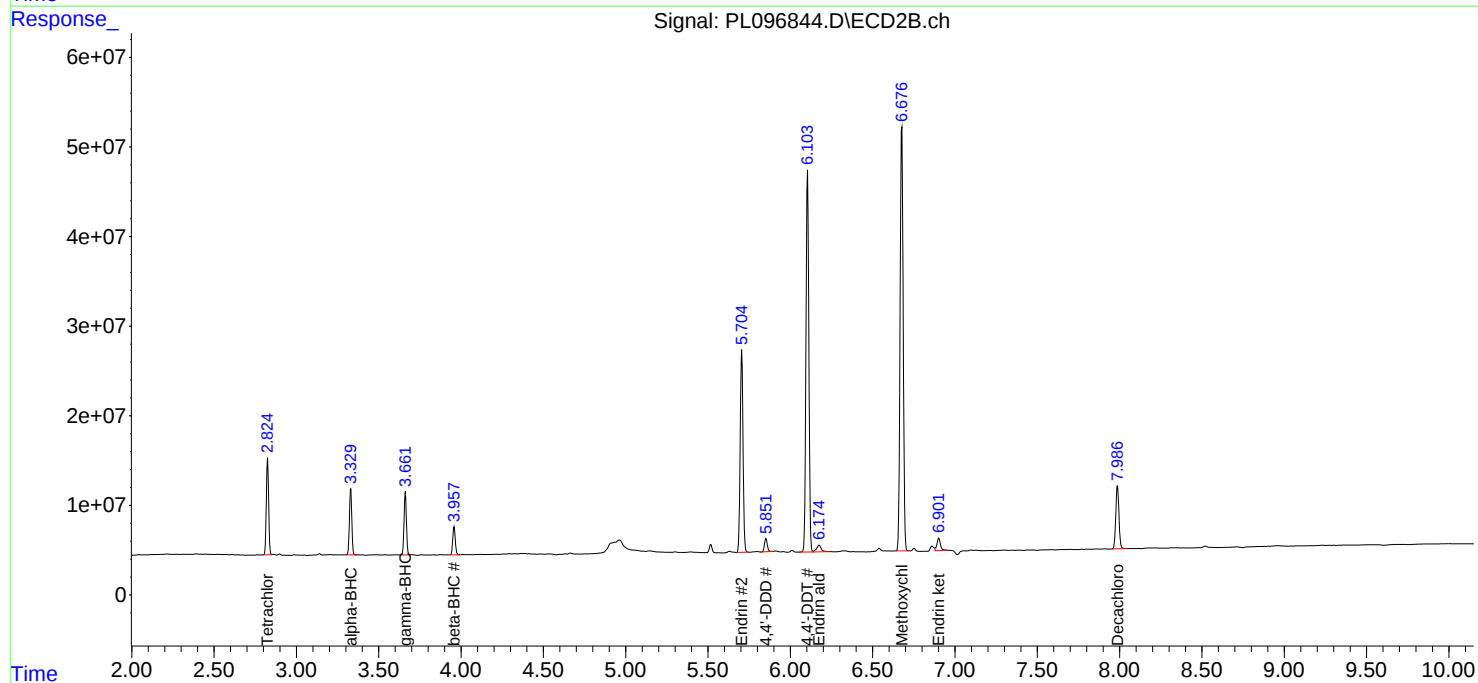
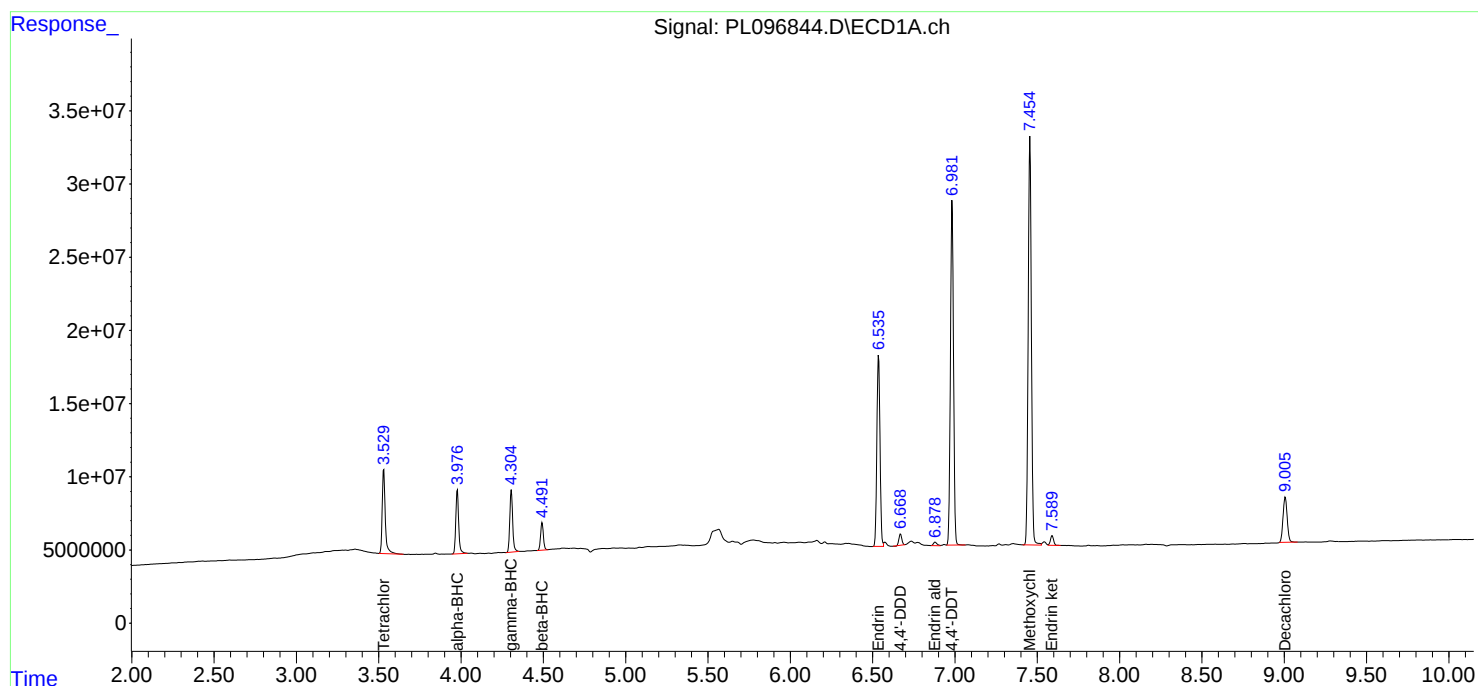
Instrument :
ECD_L
ClientSampleId :
PEM

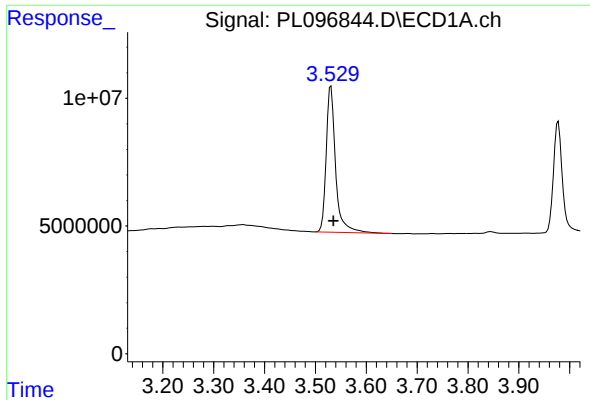
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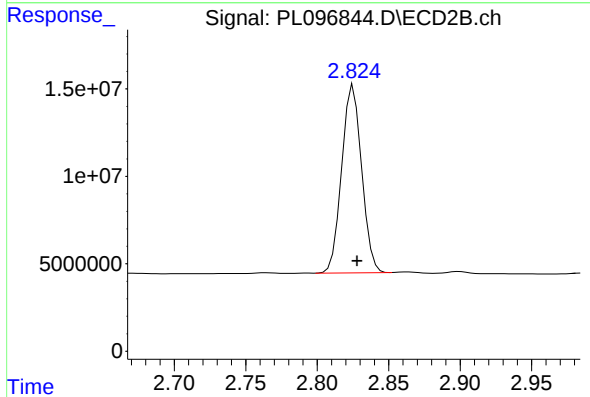
#1 Tetrachloro-m-xylene

R.T.: 3.531 min
Delta R.T.: -0.004 min
Response: 73626080
Conc: 23.15 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

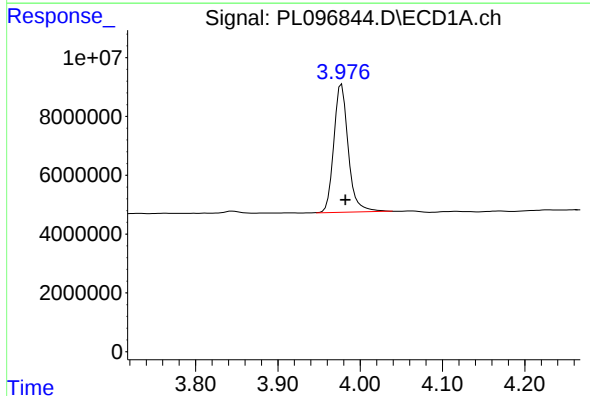
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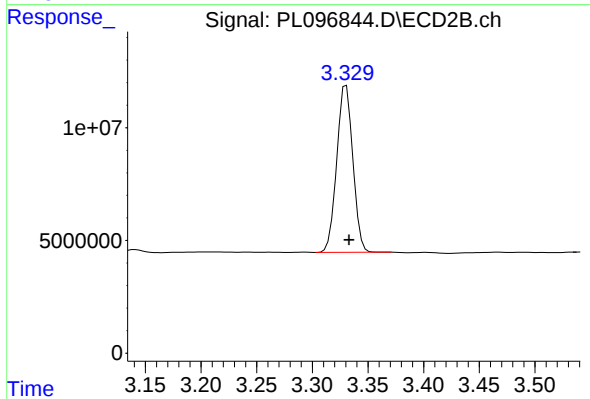
#1 Tetrachloro-m-xylene

R.T.: 2.825 min
Delta R.T.: -0.003 min
Response: 104384511
Conc: 21.85 ng/ml



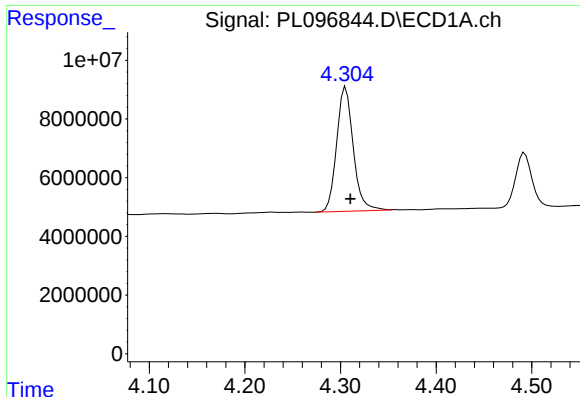
#2 alpha-BHC

R.T.: 3.976 min
Delta R.T.: -0.006 min
Response: 53077849
Conc: 11.47 ng/ml m



#2 alpha-BHC

R.T.: 3.330 min
Delta R.T.: -0.003 min
Response: 74616765
Conc: 10.54 ng/ml



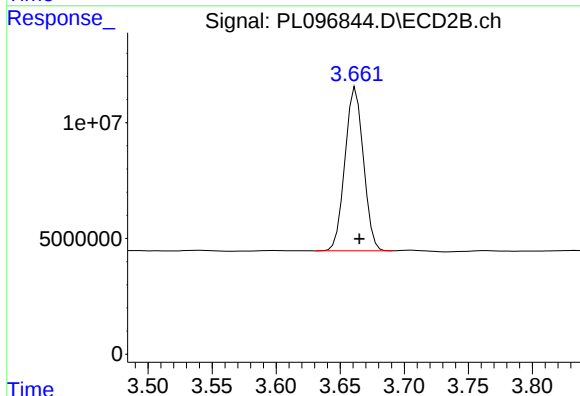
#3 gamma-BHC (Lindane)

R.T.: 4.304 min
Delta R.T.: -0.006 min
Response: 51157442
Conc: 11.57 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

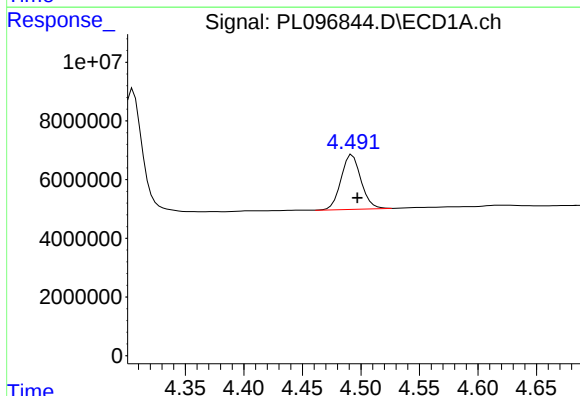
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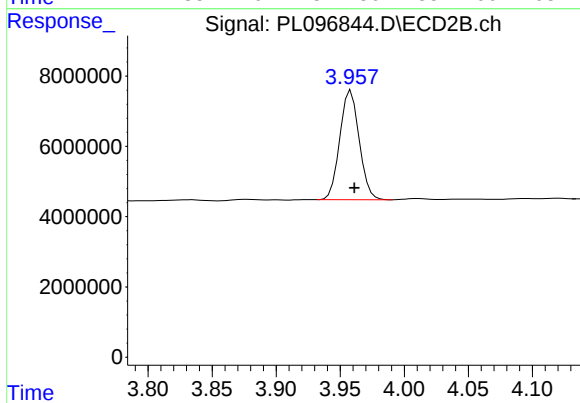
#3 gamma-BHC (Lindane)

R.T.: 3.662 min
Delta R.T.: -0.003 min
Response: 70745882
Conc: 10.71 ng/ml



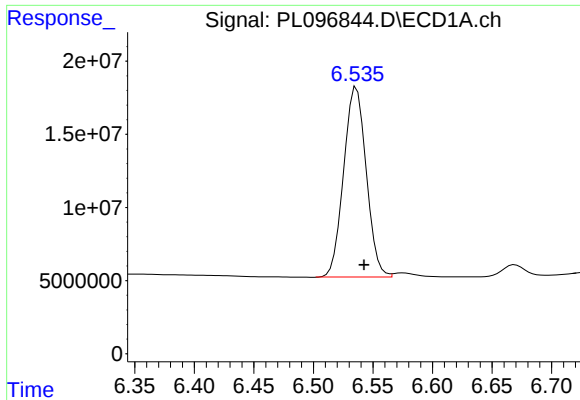
#6 beta-BHC

R.T.: 4.491 min
Delta R.T.: -0.006 min
Response: 22153696
Conc: 12.27 ng/ml m



#6 beta-BHC

R.T.: 3.958 min
Delta R.T.: -0.003 min
Response: 32707689
Conc: 11.59 ng/ml



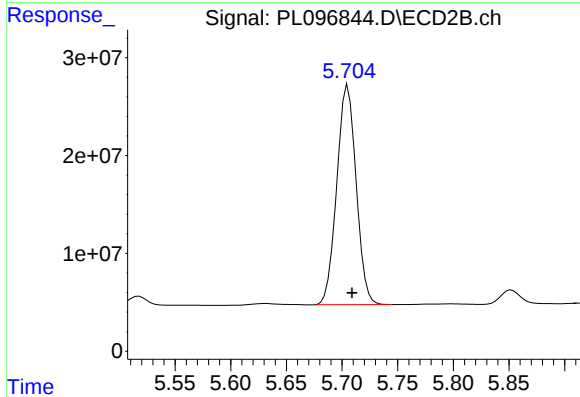
#14 Endrin

R.T.: 6.535 min
Delta R.T.: -0.008 min
Response: 171673272
Conc: 56.72 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

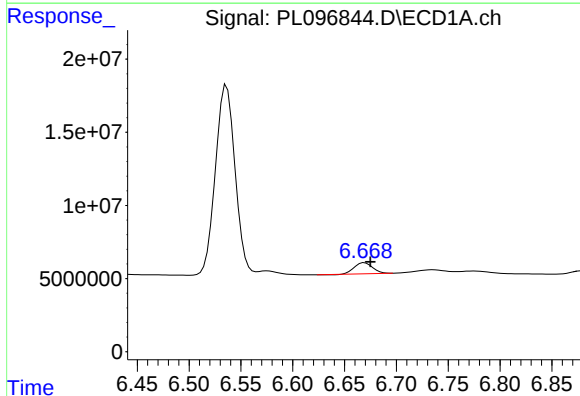
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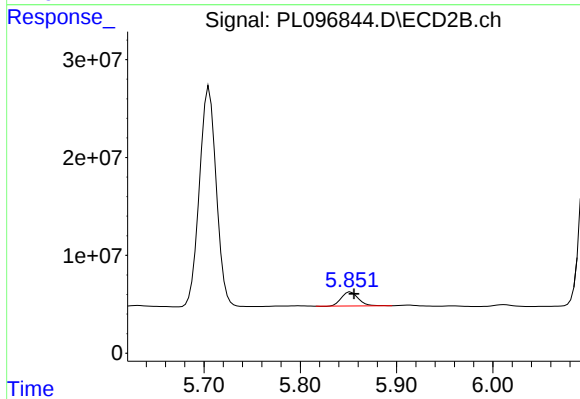
#14 Endrin

R.T.: 5.705 min
Delta R.T.: -0.004 min
Response: 271542500
Conc: 50.23 ng/ml



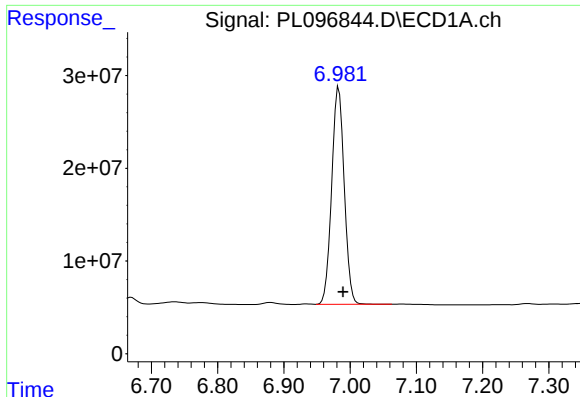
#16 4,4'-DDD

R.T.: 6.669 min
Delta R.T.: -0.006 min
Response: 9335872
Conc: 3.69 ng/ml



#16 4,4'-DDD

R.T.: 5.852 min
Delta R.T.: -0.004 min
Response: 17541435
Conc: 3.73 ng/ml



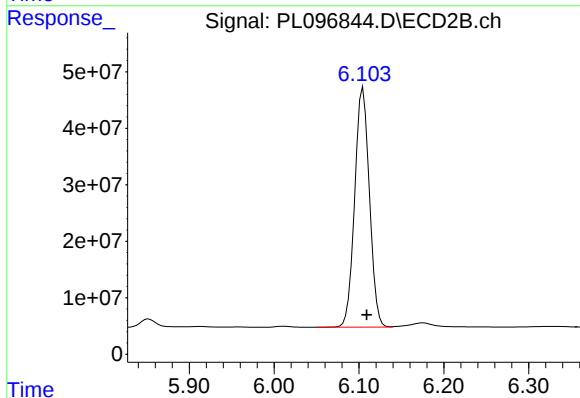
#17 4,4'-DDT

R.T.: 6.983 min
Delta R.T.: -0.006 min
Response: 308321781
Conc: 107.52 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

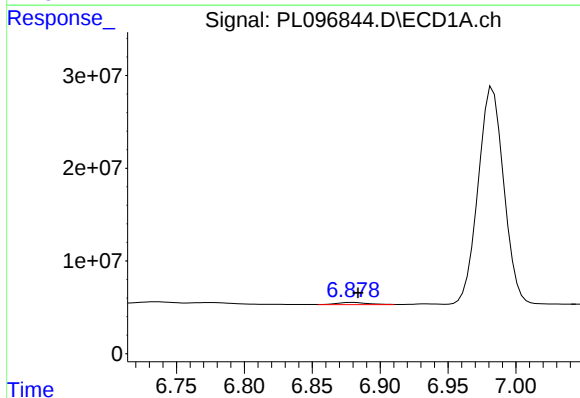
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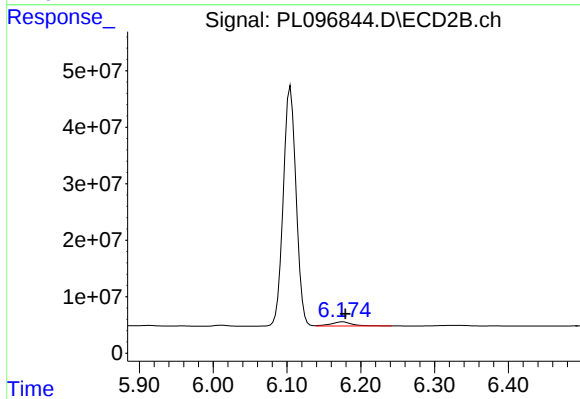
#17 4,4'-DDT

R.T.: 6.105 min
Delta R.T.: -0.004 min
Response: 511212306
Conc: 101.06 ng/ml



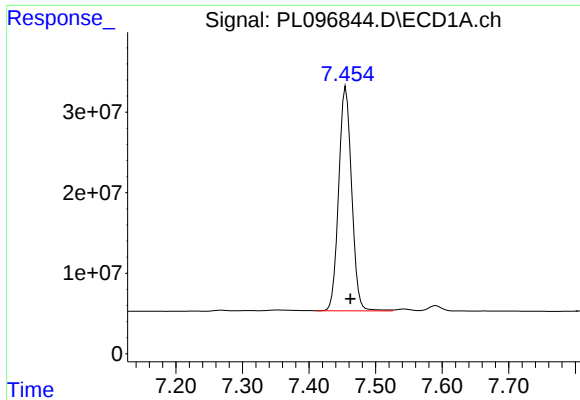
#18 Endrin aldehyde

R.T.: 6.878 min
Delta R.T.: -0.006 min
Response: 3600202
Conc: 1.68 ng/ml m



#18 Endrin aldehyde

R.T.: 6.175 min
Delta R.T.: -0.004 min
Response: 14799158
Conc: 4.07 ng/ml



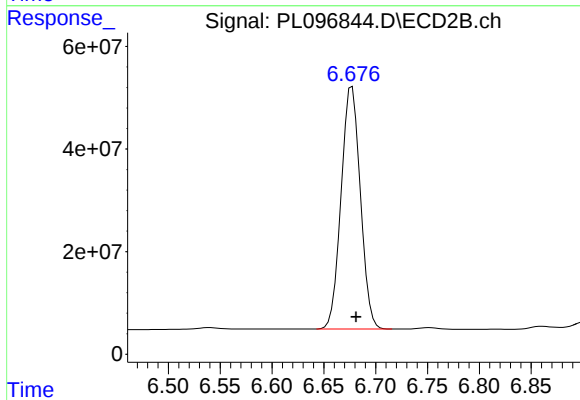
#20 Methoxychlor

R.T.: 7.455 min
Delta R.T.: -0.007 min
Response: 374669518
Conc: 255.16 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

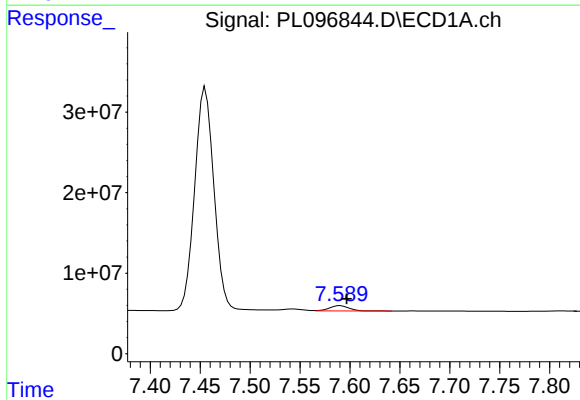
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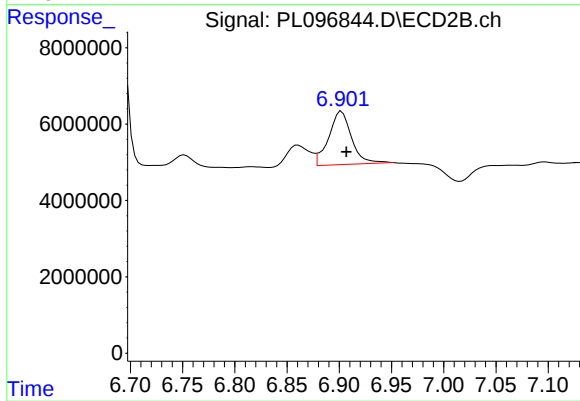
#20 Methoxychlor

R.T.: 6.676 min
Delta R.T.: -0.005 min
Response: 610697036
Conc: 222.84 ng/ml m



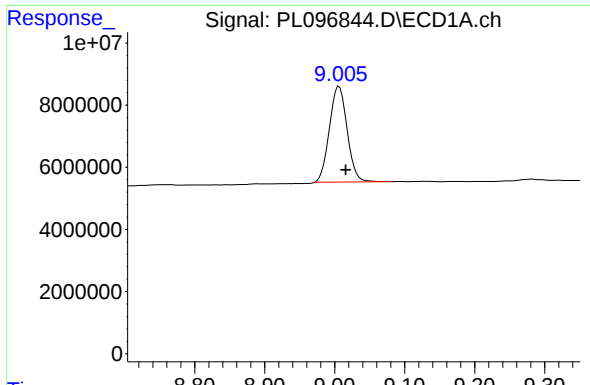
#21 Endrin ketone

R.T.: 7.590 min
Delta R.T.: -0.006 min
Response: 8908592
Conc: 2.96 ng/ml



#21 Endrin ketone

R.T.: 6.902 min
Delta R.T.: -0.005 min
Response: 21316876
Conc: 3.83 ng/ml



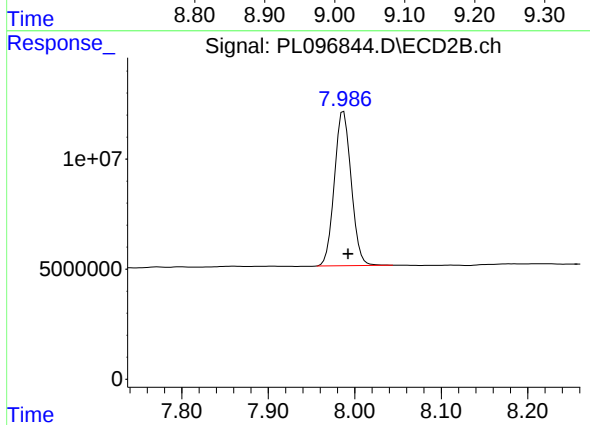
#28 Decachlorobiphenyl

R.T.: 9.006 min
Delta R.T.: -0.009 min
Response: 54106762
Conc: 22.69 ng/ml

Instrument :
ECD_L
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 7.987 min
Delta R.T.: -0.005 min
Response: 94409704
Conc: 21.76 ng/ml