

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111521\
 Data File : PD066920.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 15 Nov 2021 11:19
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/16/2021
 Supervised By : mohammad ahmed 11/16/2021

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 16 06:14:03 2021
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102821.M
 Quant Title : GC Extractables
 QLast Update : Thu Oct 28 02:17:57 2021
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.438	3.968	39553879	199.5E6	21.199	24.655
28)	SA Decachlor...	8.167	9.028	23408094	120.5E6	20.259	22.365
Target Compounds							
2)	A alpha-BHC	3.875	4.361	30408828	134.3E6	9.946	12.176
3)	MA gamma-BHC...	4.157	4.646	29333691	116.9E6	9.713	11.731
6)	B beta-BHC	4.405	4.824	13424114	58912678	10.747	12.652
12)	B 4,4'-DDE	5.582	6.306	736243	3110240	0.316m	0.395
14)	MA Endrin	5.973	6.673	114.9E6	357.1E6	54.903	51.891
16)	A 4,4'-DDD	6.097	6.800	867973	4461048	0.463m	0.656 #
17)	MA 4,4'-DDT	6.337	7.097	200.8E6	646.5E6	104.402	89.130
18)	B Endrin al...	6.410	7.013	1135578	1882021	0.735m	0.331 #
20)	A Methoxychlor	6.884	7.560	228.1E6	754.8E6	220.847	185.294
21)	B Endrin ke...	7.117	7.709	2816580	7658613	1.291	0.911 #

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

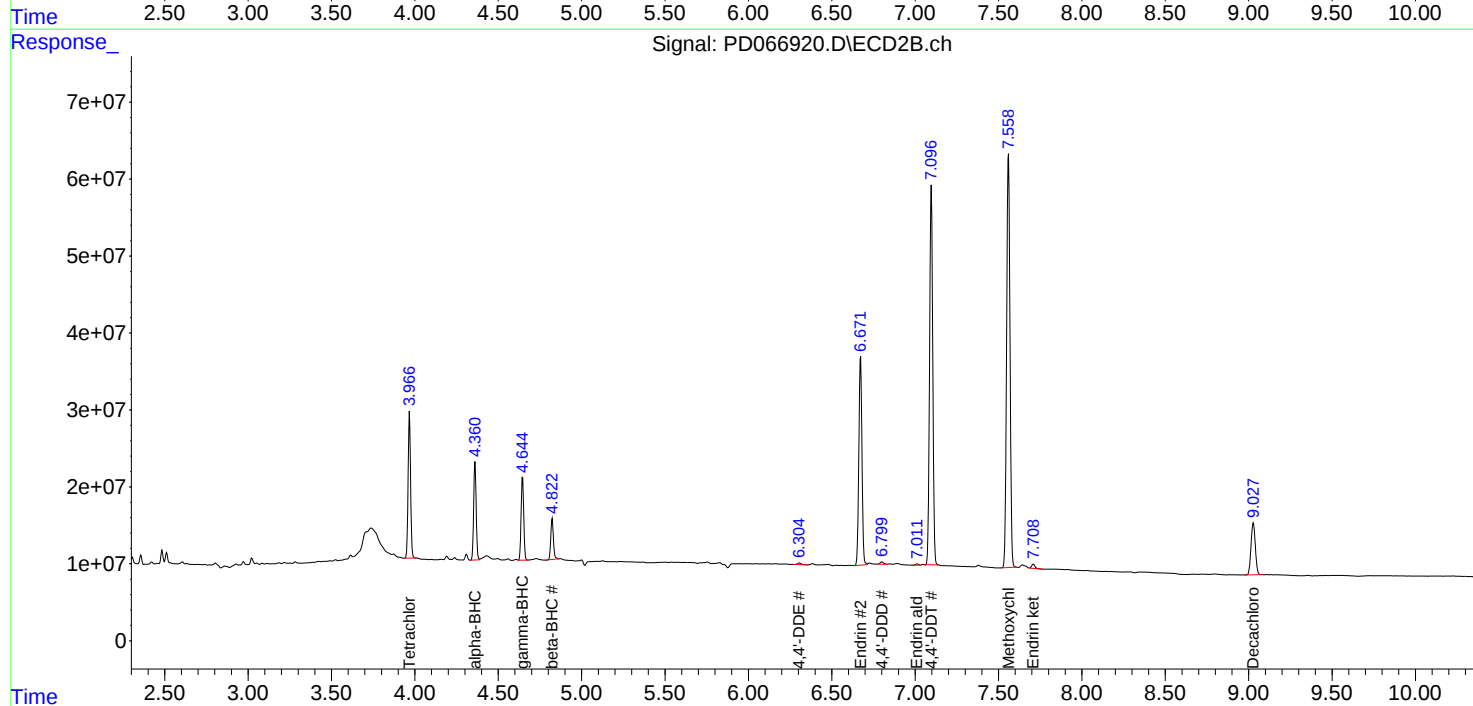
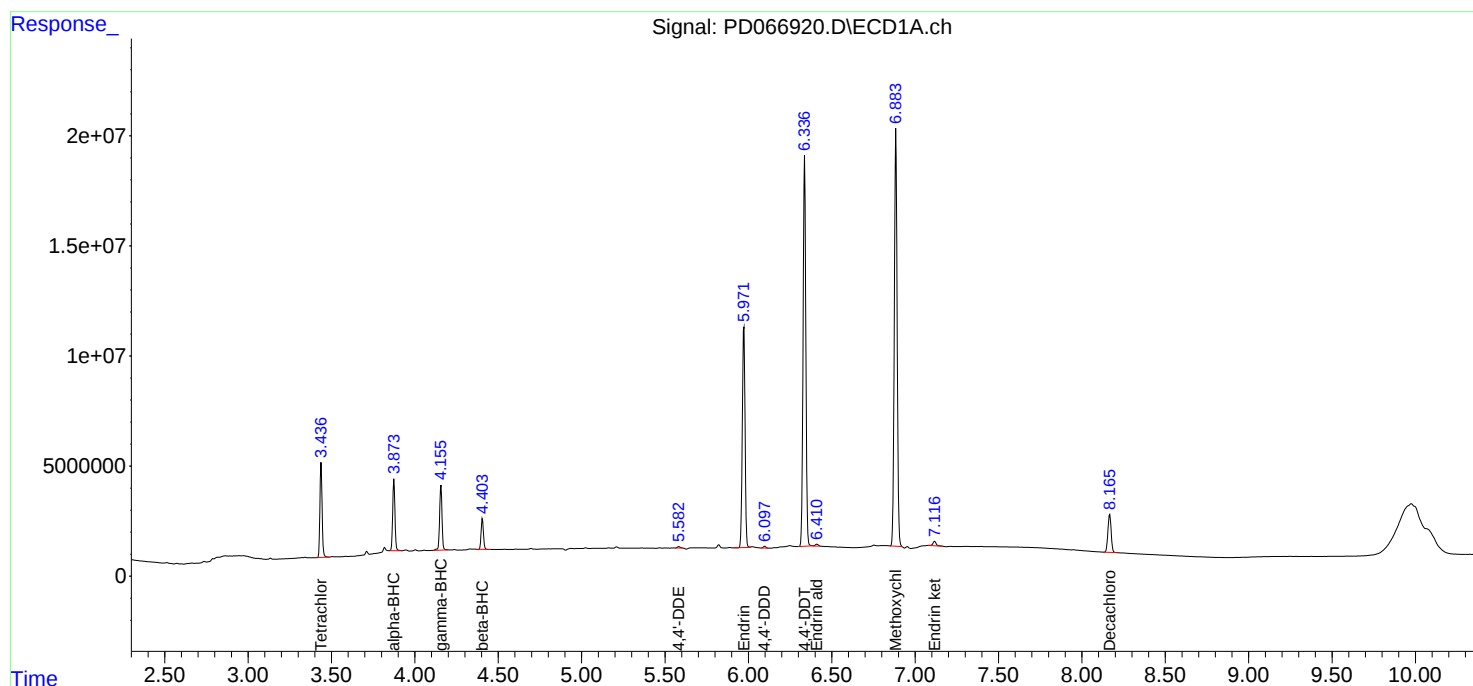
Instrument :
ECD_D
ClientSampleId :
PEM

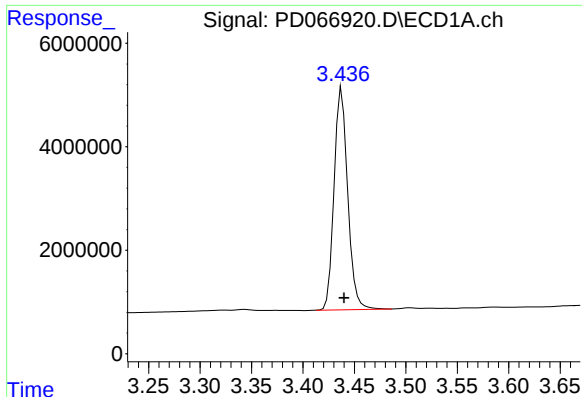
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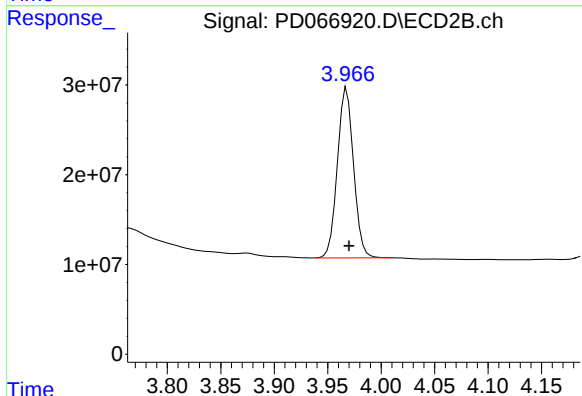
#1 Tetrachloro-m-xylene

R.T.: 3.438 min
Delta R.T.: -0.002 min
Response: 39553879
Conc: 21.20 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

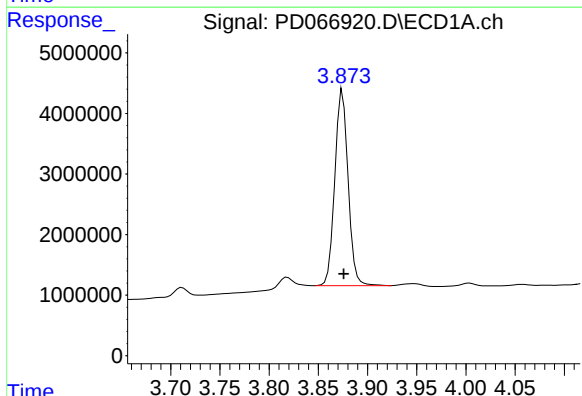
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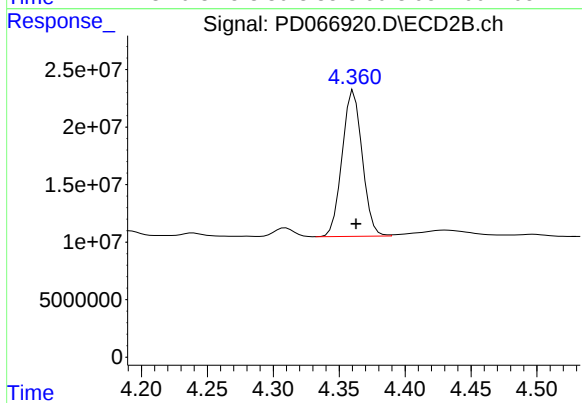
#1 Tetrachloro-m-xylene

R.T.: 3.968 min
Delta R.T.: -0.002 min
Response: 199514434
Conc: 24.66 ng/ml



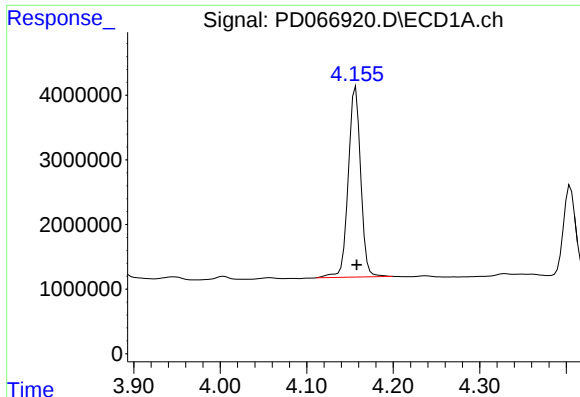
#2 alpha-BHC

R.T.: 3.875 min
Delta R.T.: -0.001 min
Response: 30408828
Conc: 9.95 ng/ml



#2 alpha-BHC

R.T.: 4.361 min
Delta R.T.: -0.002 min
Response: 134335721
Conc: 12.18 ng/ml



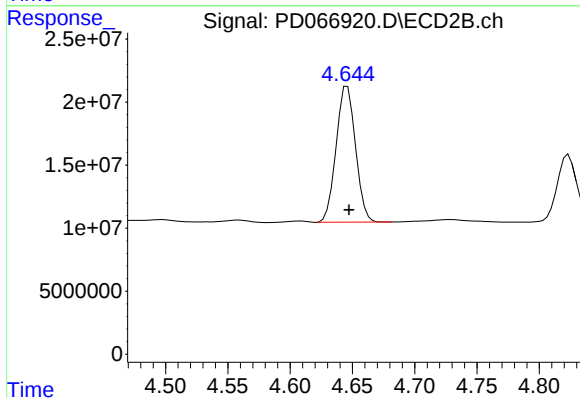
#3 gamma-BHC (Lindane)

R.T.: 4.157 min
Delta R.T.: -0.001 min
Response: 29333691
Conc: 9.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

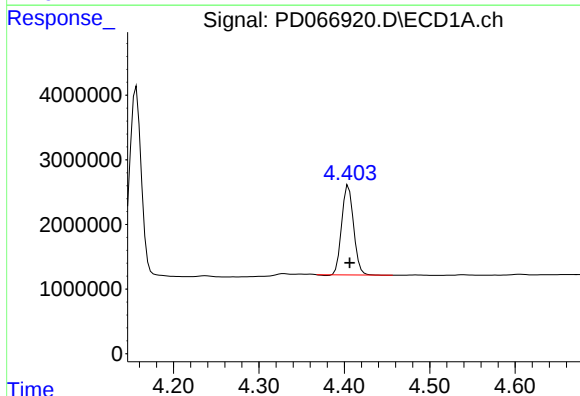
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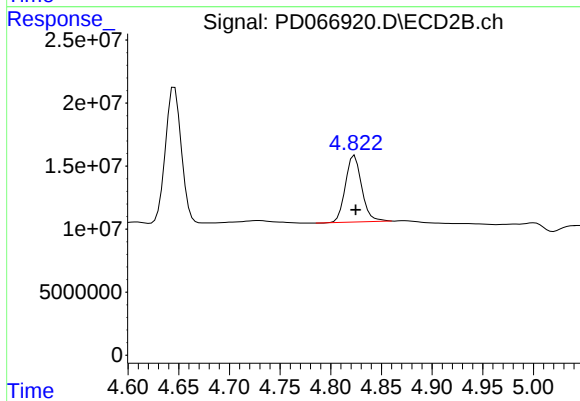
#3 gamma-BHC (Lindane)

R.T.: 4.646 min
Delta R.T.: -0.002 min
Response: 116903841
Conc: 11.73 ng/ml



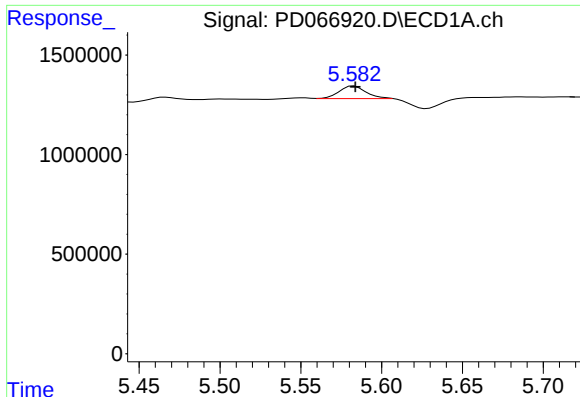
#6 beta-BHC

R.T.: 4.405 min
Delta R.T.: -0.002 min
Response: 13424114
Conc: 10.75 ng/ml



#6 beta-BHC

R.T.: 4.824 min
Delta R.T.: -0.001 min
Response: 58912678
Conc: 12.65 ng/ml



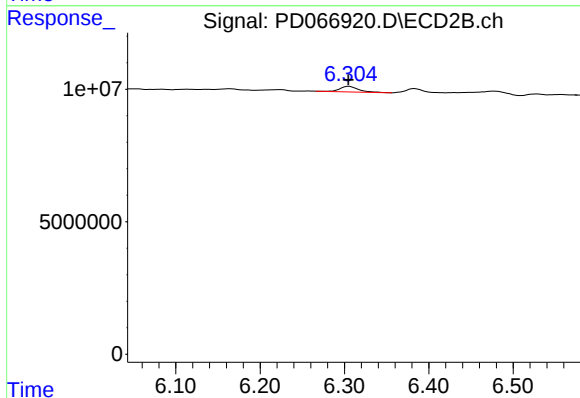
#12 4,4'-DDE

R.T.: 5.582 min
Delta R.T.: -0.002 min
Response: 736243
Conc: 0.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

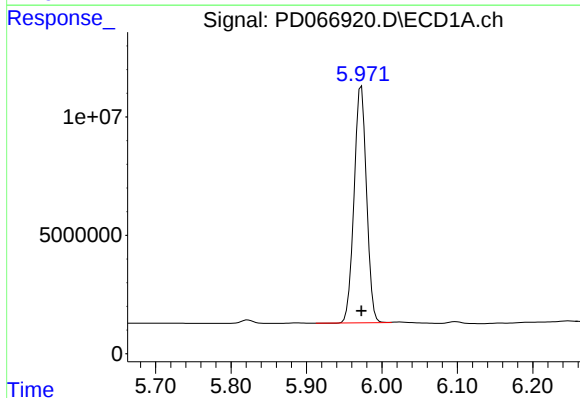
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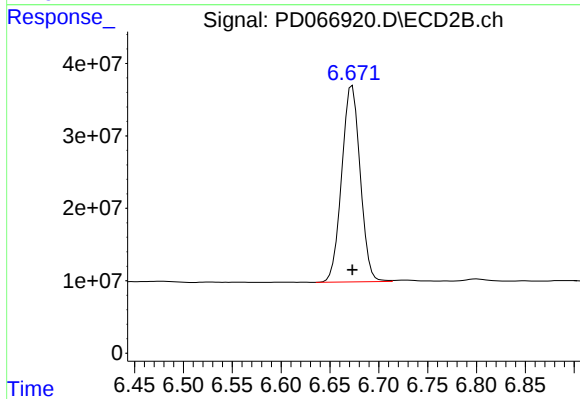
#12 4,4'-DDE

R.T.: 6.306 min
Delta R.T.: 0.000 min
Response: 3110240
Conc: 0.39 ng/ml



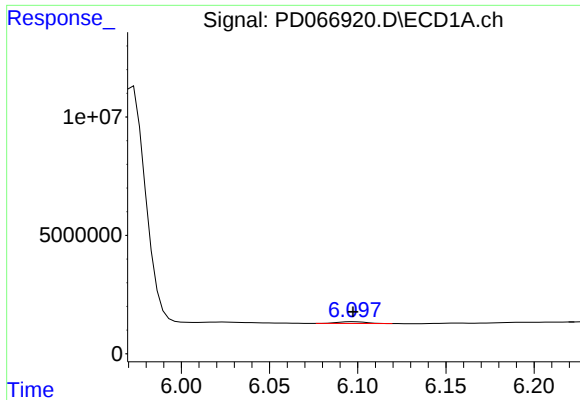
#14 Endrin

R.T.: 5.973 min
Delta R.T.: 0.000 min
Response: 114903396
Conc: 54.90 ng/ml



#14 Endrin

R.T.: 6.673 min
Delta R.T.: 0.000 min
Response: 357144175
Conc: 51.89 ng/ml



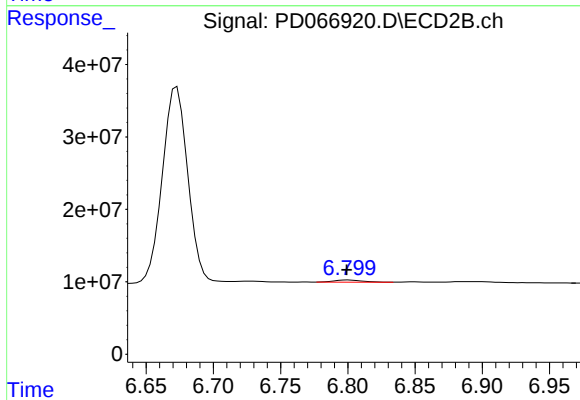
#16 4,4'-DDD

R.T.: 6.097 min
Delta R.T.: 0.000 min
Response: 867973
Conc: 0.46 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

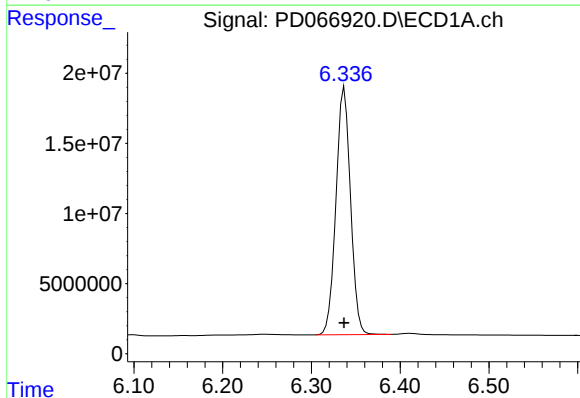
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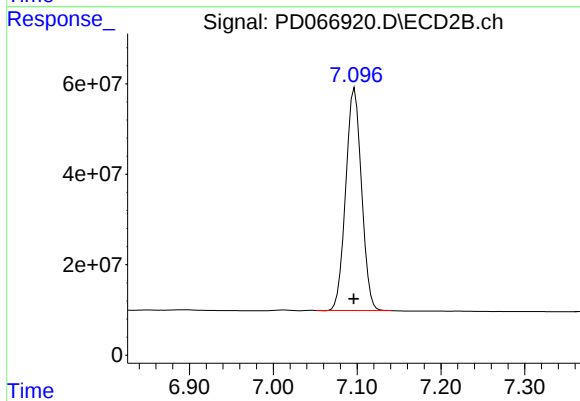
#16 4,4'-DDD

R.T.: 6.800 min
Delta R.T.: 0.001 min
Response: 4461048
Conc: 0.66 ng/ml



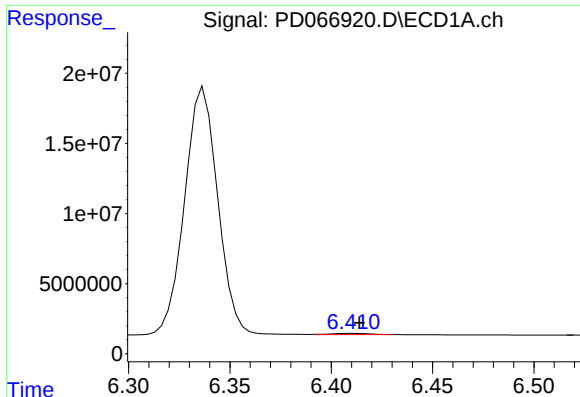
#17 4,4'-DDT

R.T.: 6.337 min
Delta R.T.: 0.000 min
Response: 200813769
Conc: 104.40 ng/ml



#17 4,4'-DDT

R.T.: 7.097 min
Delta R.T.: 0.001 min
Response: 646459553
Conc: 89.13 ng/ml



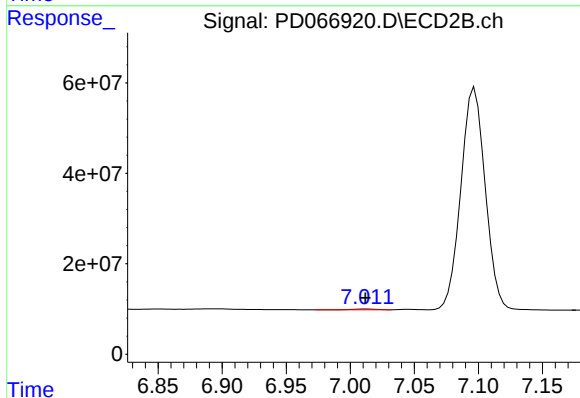
#18 Endrin aldehyde

R.T.: 6.410 min
Delta R.T.: -0.004 min
Response: 1135578
Conc: 0.73 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

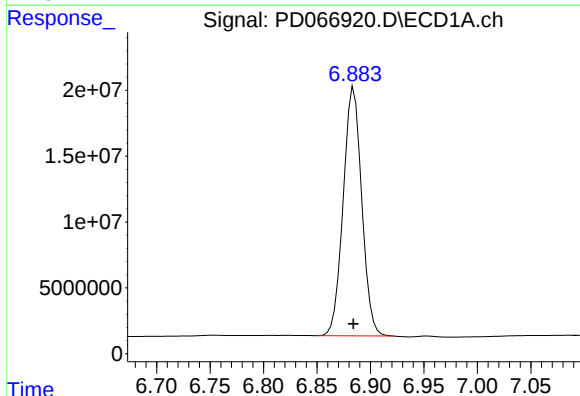
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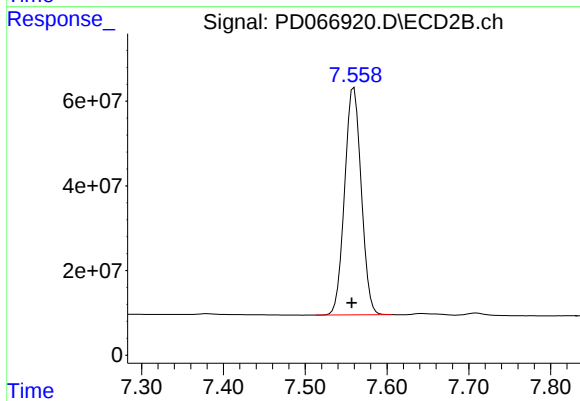
#18 Endrin aldehyde

R.T.: 7.013 min
Delta R.T.: 0.000 min
Response: 1882021
Conc: 0.33 ng/ml



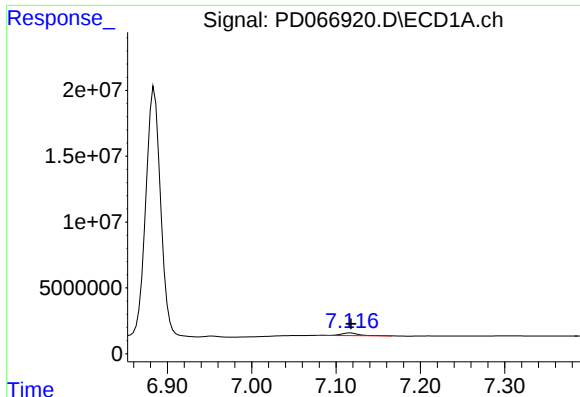
#20 Methoxychlor

R.T.: 6.884 min
Delta R.T.: 0.000 min
Response: 228067272
Conc: 220.85 ng/ml



#20 Methoxychlor

R.T.: 7.560 min
Delta R.T.: 0.002 min
Response: 754846580
Conc: 185.29 ng/ml



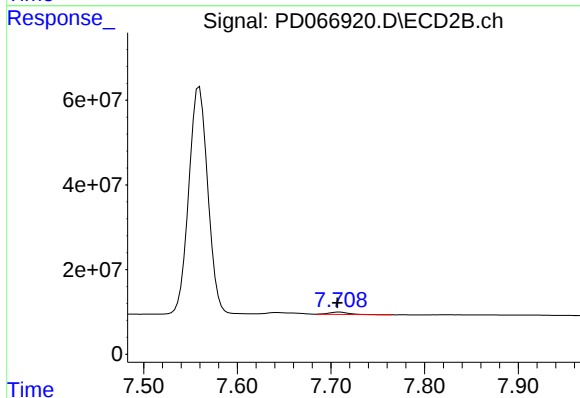
#21 Endrin ketone

R.T.: 7.117 min
Delta R.T.: 0.000 min
Response: 2816580
Conc: 1.29 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

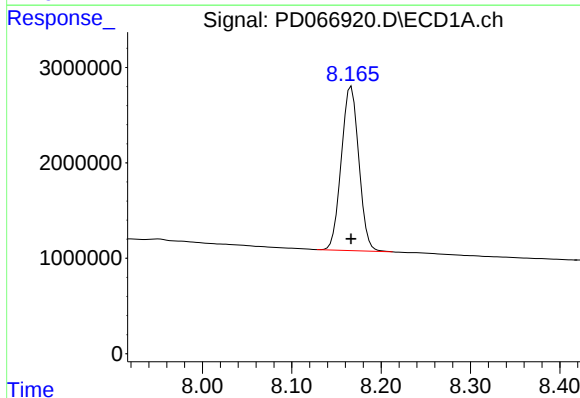
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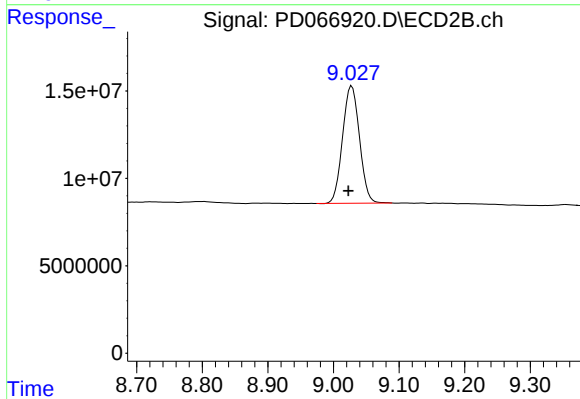
#21 Endrin ketone

R.T.: 7.709 min
Delta R.T.: 0.002 min
Response: 7658613
Conc: 0.91 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.167 min
Delta R.T.: 0.000 min
Response: 23408094
Conc: 20.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.028 min
Delta R.T.: 0.005 min
Response: 120468783
Conc: 22.37 ng/ml