

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD110223\
 Data File : PD079316.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 31 Oct 2023 18:21
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/01/2023
 Supervised By : mohammad ahmed 11/02/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 31 22:12:18 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD102023.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 20 04:44:01 2023
 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.571	2.806	31516286	48233968	19.520	20.833
28)	SA Decachlor...	9.120	7.954	41104594	52813012	20.491	21.667
Target Compounds							
2)	A alpha-BHC	4.028	3.309	26153867	37191630	9.825	10.726
3)	MA gamma-BHC...	4.361	3.639	25388001	35496827	9.769	10.453
6)	B beta-BHC	4.554	3.933	12115829	17357115	11.306	12.318
12)	B 4,4'-DDE	6.229	5.271	334912	808561	0.158m	0.304 #
14)	MA Endrin	6.617	5.675	87076068	134.5E6	44.709	52.576
16)	A 4,4'-DDD	6.747	5.822	3933479	5810466	2.238	2.544
17)	MA 4,4'-DDT	7.063	6.074	177.0E6	254.4E6	93.458	111.115
18)	B Endrin al...	6.965	6.149	3016711	5351313	1.953	2.878 #
20)	A Methoxychlor	7.537	6.649	227.1E6	320.2E6	207.257	235.856
21)	B Endrin ke...	7.686	6.876	7284149	10317931	3.341	3.691

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

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Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

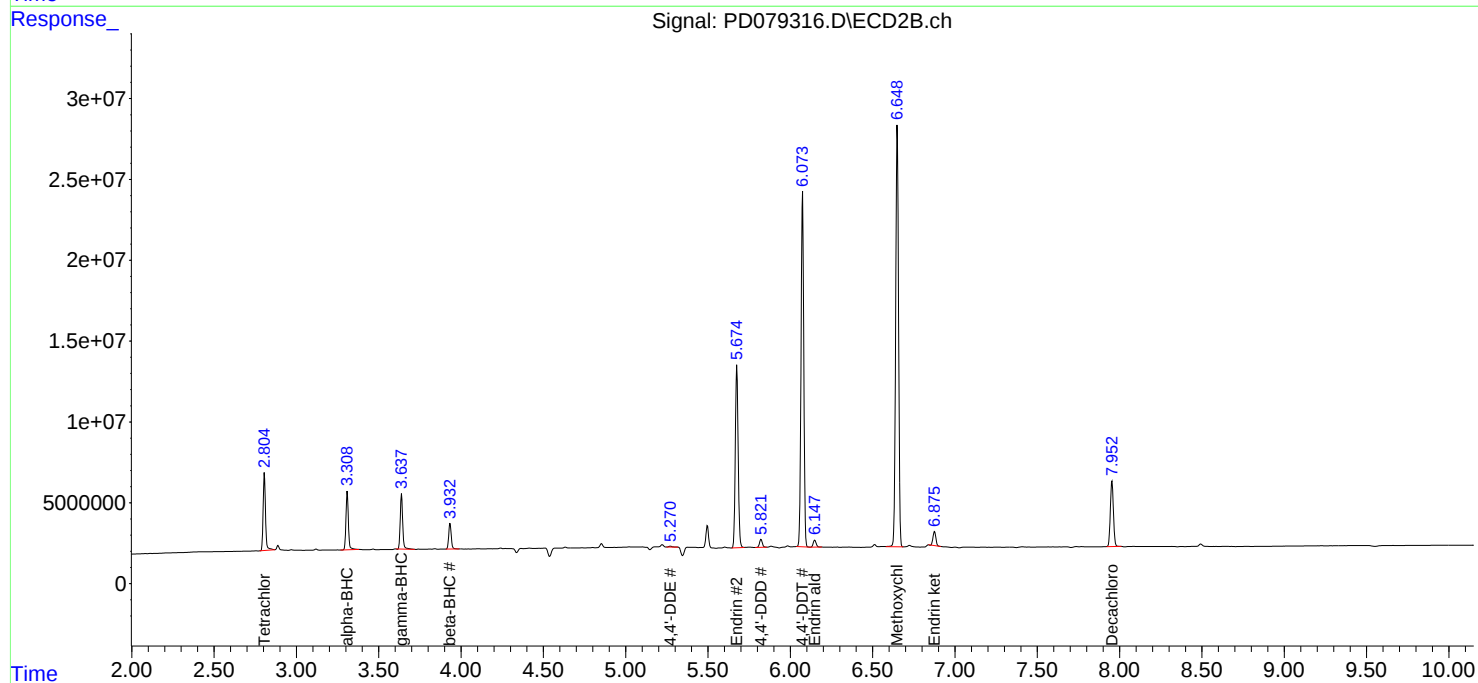
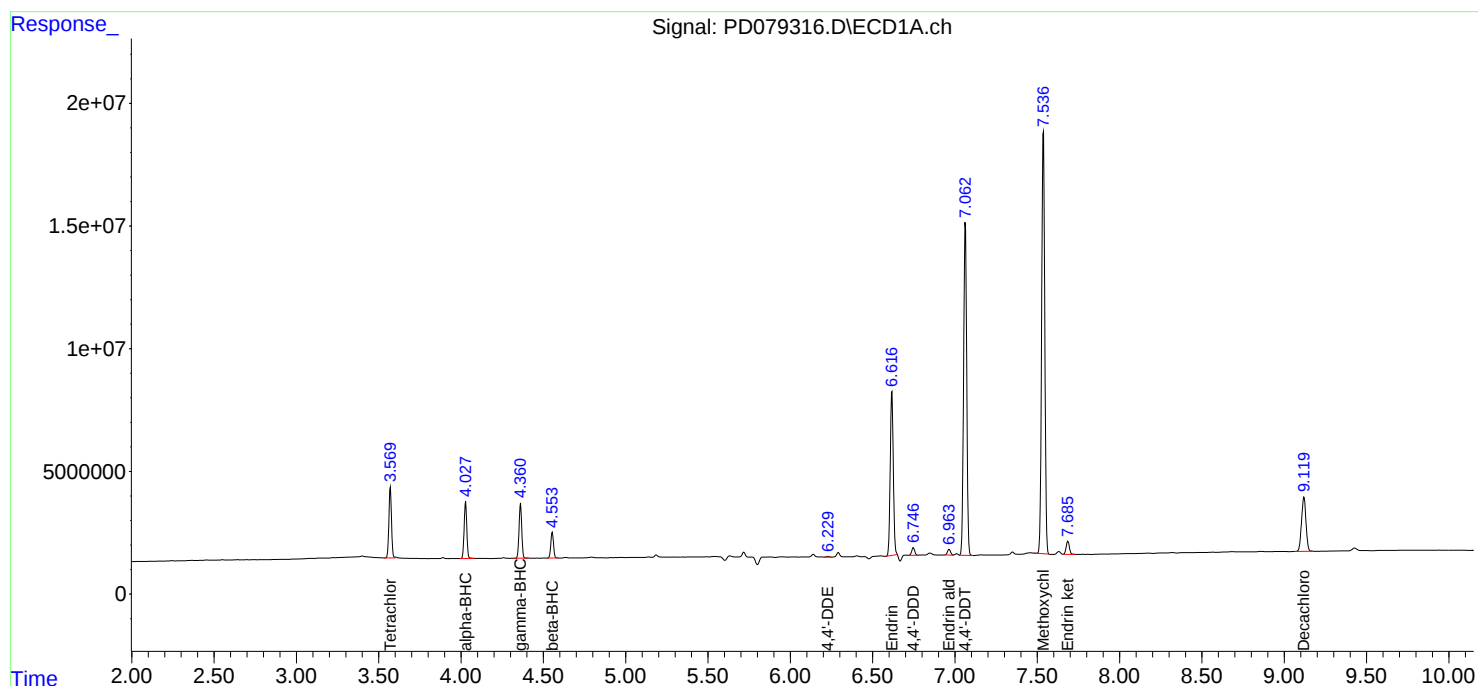
Instrument :
ECD_D
ClientSampleId :
PEM

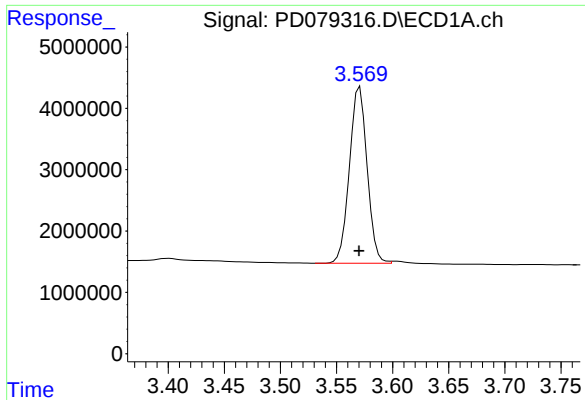
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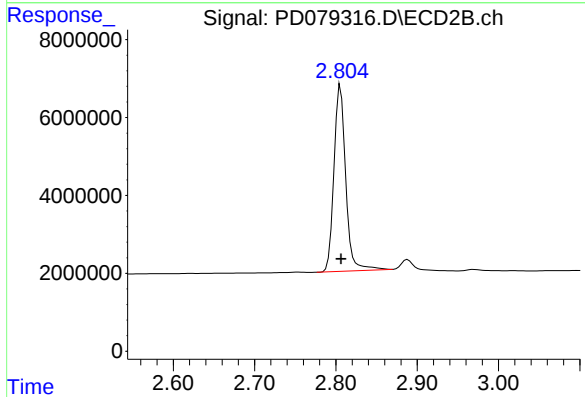
#1 Tetrachloro-m-xylene

R.T.: 3.571 min
Delta R.T.: 0.000 min
Response: 31516286
Conc: 19.52 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

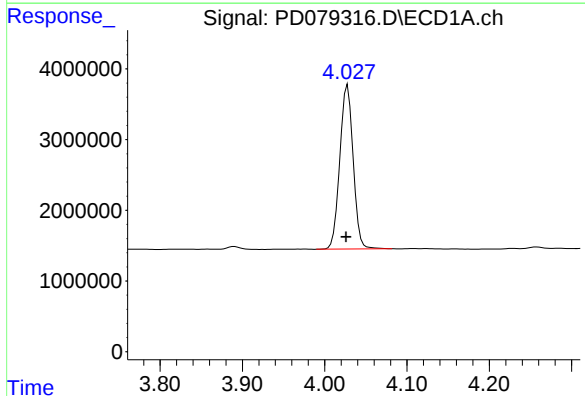
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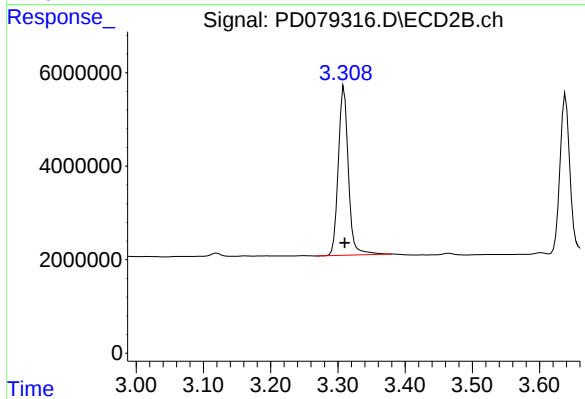
#1 Tetrachloro-m-xylene

R.T.: 2.806 min
Delta R.T.: 0.000 min
Response: 48233968
Conc: 20.83 ng/ml



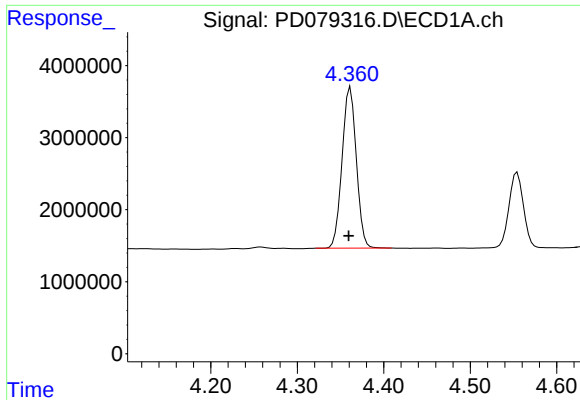
#2 alpha-BHC

R.T.: 4.028 min
Delta R.T.: 0.002 min
Response: 26153867
Conc: 9.82 ng/ml



#2 alpha-BHC

R.T.: 3.309 min
Delta R.T.: 0.000 min
Response: 37191630
Conc: 10.73 ng/ml



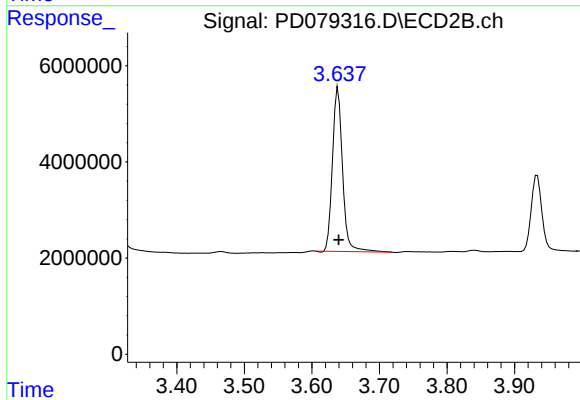
#3 gamma-BHC (Lindane)

R.T.: 4.361 min
Delta R.T.: 0.002 min
Response: 25388001
Conc: 9.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

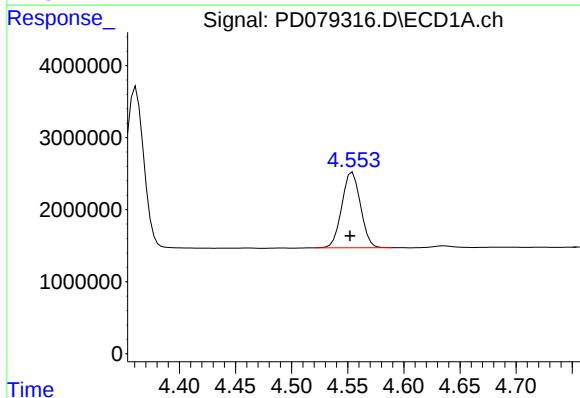
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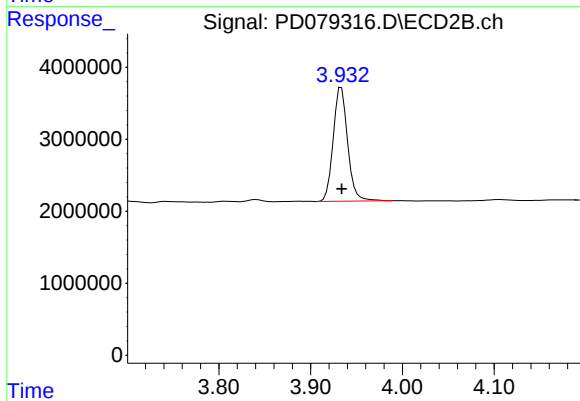
#3 gamma-BHC (Lindane)

R.T.: 3.639 min
Delta R.T.: 0.000 min
Response: 35496827
Conc: 10.45 ng/ml



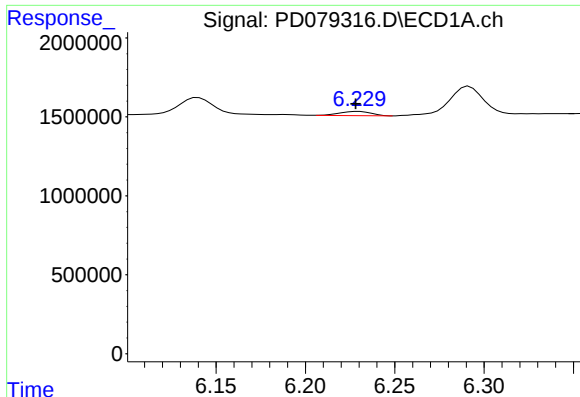
#6 beta-BHC

R.T.: 4.554 min
Delta R.T.: 0.002 min
Response: 12115829
Conc: 11.31 ng/ml



#6 beta-BHC

R.T.: 3.933 min
Delta R.T.: 0.000 min
Response: 17357115
Conc: 12.32 ng/ml



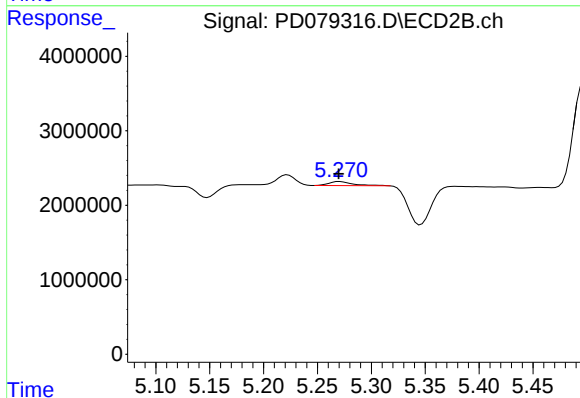
#12 4,4'-DDE

R.T.: 6.229 min
Delta R.T.: 0.000 min
Response: 334912
Conc: 0.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

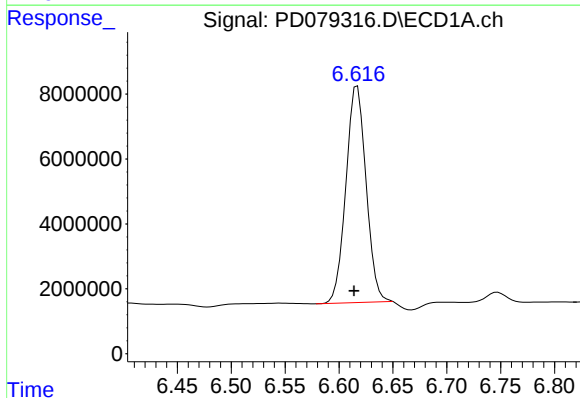
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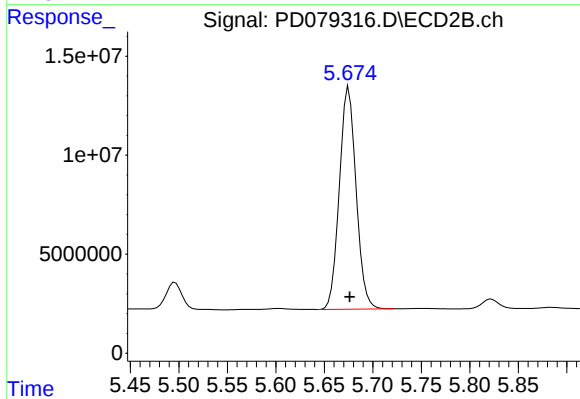
#12 4,4'-DDE

R.T.: 5.271 min
Delta R.T.: 0.001 min
Response: 808561
Conc: 0.30 ng/ml



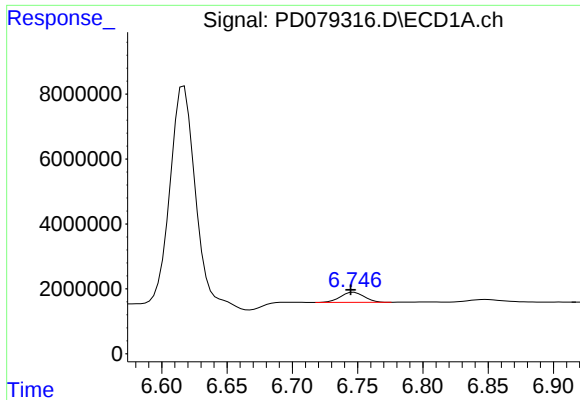
#14 Endrin

R.T.: 6.617 min
Delta R.T.: 0.003 min
Response: 87076068
Conc: 44.71 ng/ml



#14 Endrin

R.T.: 5.675 min
Delta R.T.: 0.000 min
Response: 134549459
Conc: 52.58 ng/ml



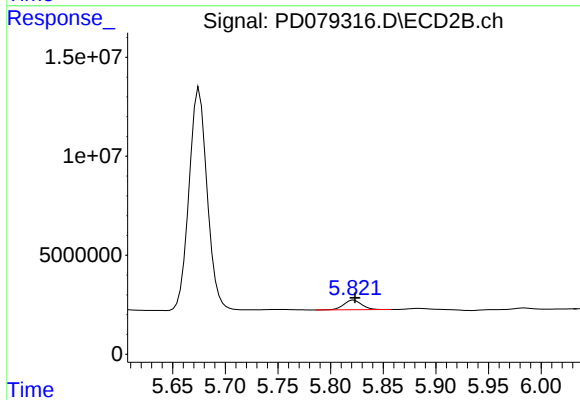
#16 4,4'-DDD

R.T.: 6.747 min
Delta R.T.: 0.002 min
Response: 3933479
Conc: 2.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

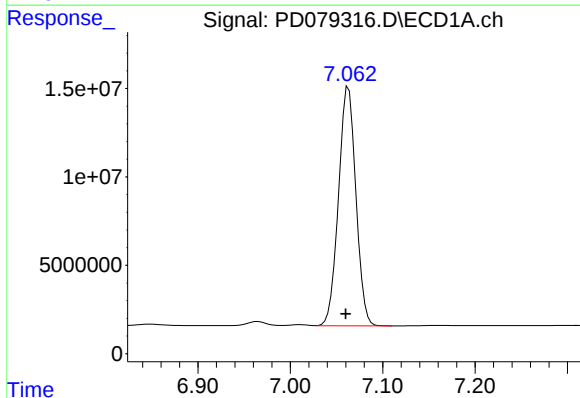
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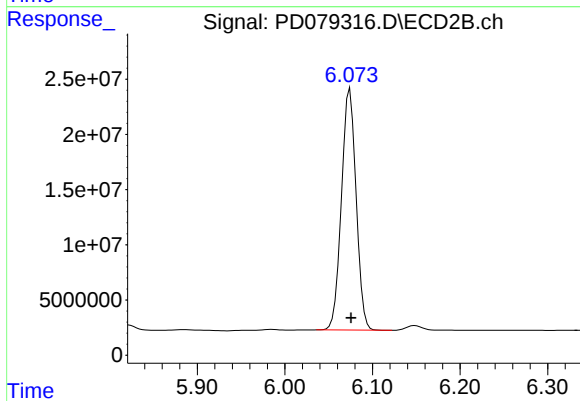
#16 4,4'-DDD

R.T.: 5.822 min
Delta R.T.: -0.001 min
Response: 5810466
Conc: 2.54 ng/ml



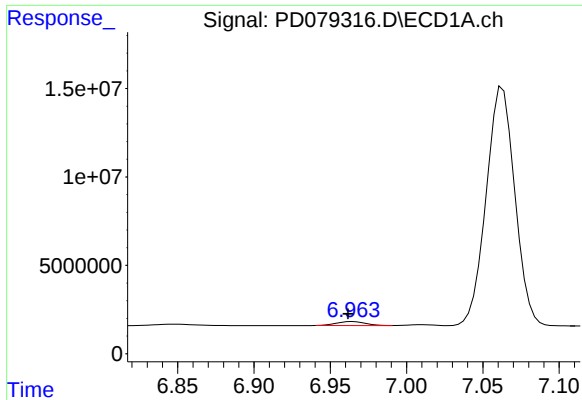
#17 4,4'-DDT

R.T.: 7.063 min
Delta R.T.: 0.003 min
Response: 176979362
Conc: 93.46 ng/ml



#17 4,4'-DDT

R.T.: 6.074 min
Delta R.T.: -0.001 min
Response: 254383557
Conc: 111.11 ng/ml



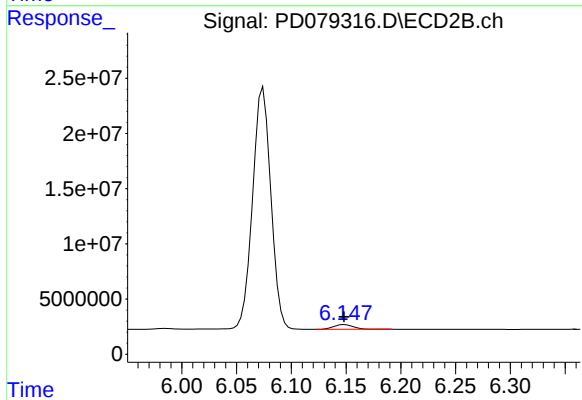
#18 Endrin aldehyde

R.T.: 6.965 min
Delta R.T.: 0.003 min
Response: 3016711
Conc: 1.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

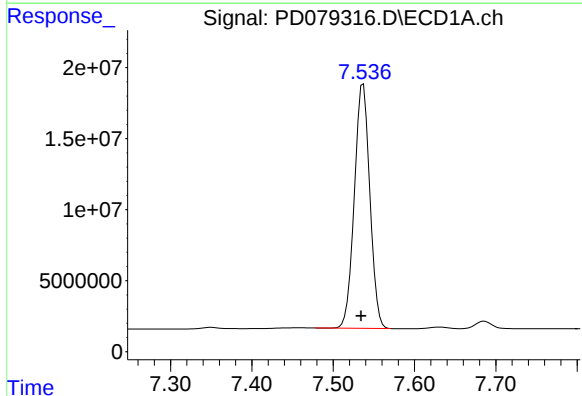
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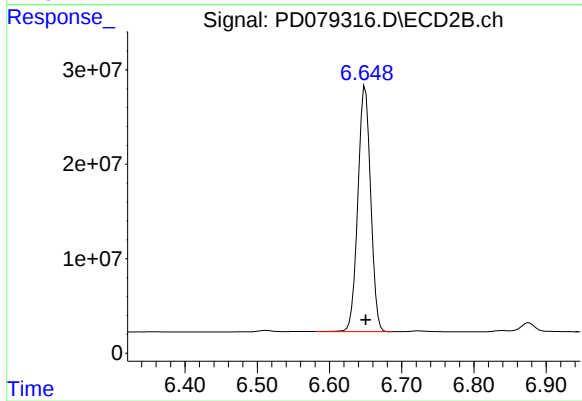
#18 Endrin aldehyde

R.T.: 6.149 min
Delta R.T.: 0.000 min
Response: 5351313
Conc: 2.88 ng/ml



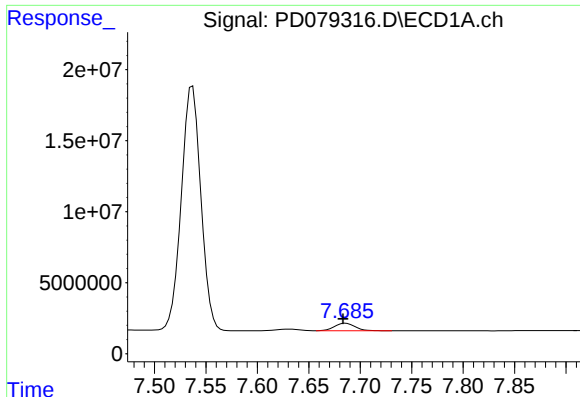
#20 Methoxychlor

R.T.: 7.537 min
Delta R.T.: 0.003 min
Response: 227107967
Conc: 207.26 ng/ml



#20 Methoxychlor

R.T.: 6.649 min
Delta R.T.: 0.000 min
Response: 320204841
Conc: 235.86 ng/ml



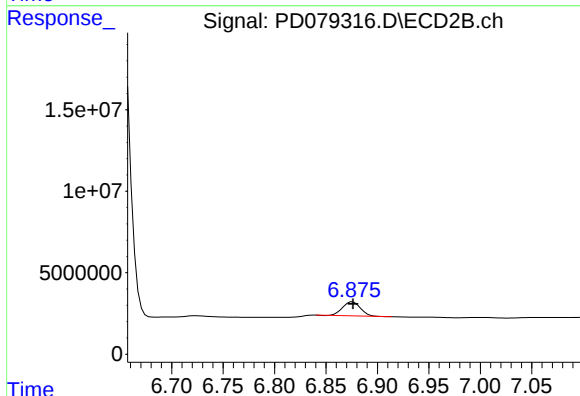
#21 Endrin ketone

R.T.: 7.686 min
Delta R.T.: 0.003 min
Response: 7284149
Conc: 3.34 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

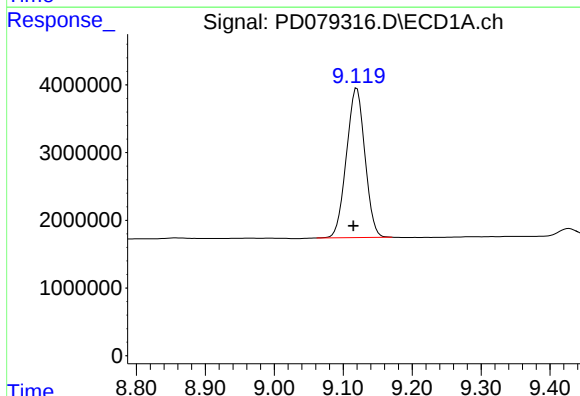
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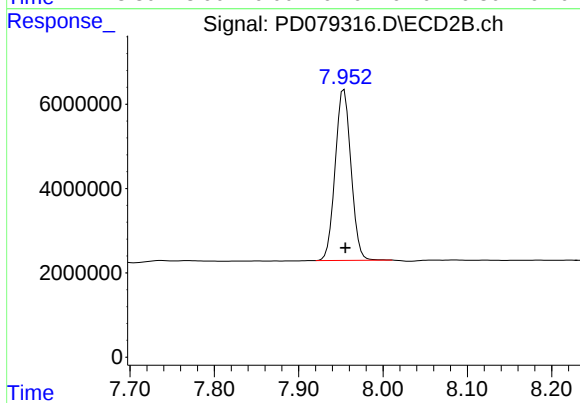
#21 Endrin ketone

R.T.: 6.876 min
Delta R.T.: 0.000 min
Response: 10317931
Conc: 3.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.120 min
Delta R.T.: 0.005 min
Response: 41104594
Conc: 20.49 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.954 min
Delta R.T.: -0.002 min
Response: 52813012
Conc: 21.67 ng/ml