

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD052325\
 Data File : PD088716.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 22 May 2025 10:12
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/23/2025
 Supervised By : mohammad ahmed 05/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 22 22:39:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD051925.M
 Quant Title : GC Extractables
 QLast Update : Mon May 19 15:27:28 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 x 0.5 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...	3.556	2.881	47156953	336.5E6	21.794	22.245
28)	SA Decachlor...	9.082	8.076	74431700	367.5E6	21.749	20.128
Target Compounds							
2)	A alpha-BHC	4.005	3.394	47481810	273.0E6	9.941	11.422
3)	MA gamma-BHC...	4.336	3.731	46667569	252.9E6	10.139	11.409
6)	B beta-BHC	4.521	4.026	20434230	113.3E6	11.332	11.627
12)	B 4,4'-DDE	6.202	5.377	747195	2344624	0.208m	0.112m#
14)	MA Endrin	6.581	5.791	172.9E6	930.0E6	50.637	48.226
16)	A 4,4'-DDD	6.712	5.932	28557898	193.1E6	10.254	11.102
17)	MA 4,4'-DDT	7.029	6.187	260.6E6	1434.9E6	83.458	79.116
18)	B Endrin al...	6.923	6.261	1367775	12999947	0.531	0.933 #
20)	A Methoxychlor	7.500	6.758	331.3E6	1590.1E6	198.301	166.077
21)	B Endrin ke...	7.636	6.994	7803721	55980415	2.280m	2.893 #

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

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Acq On : 22 May 2025 10:12
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

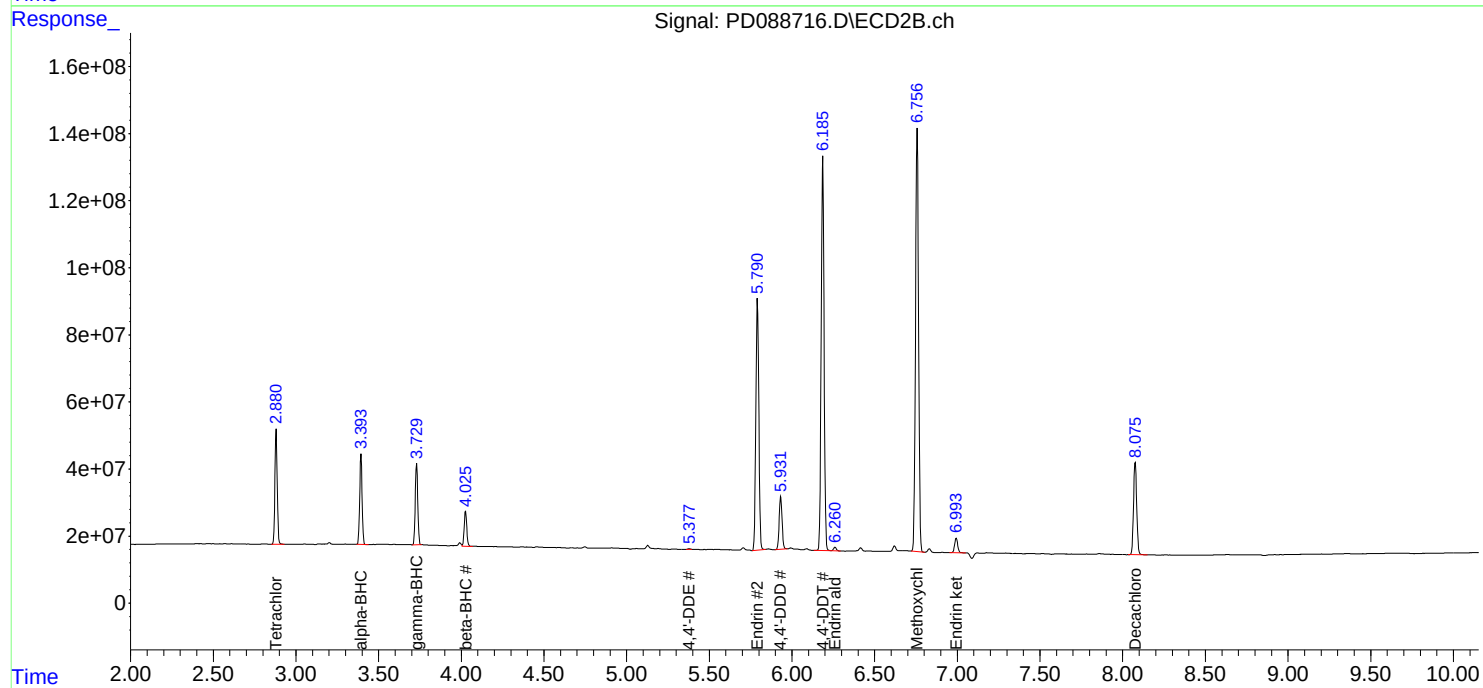
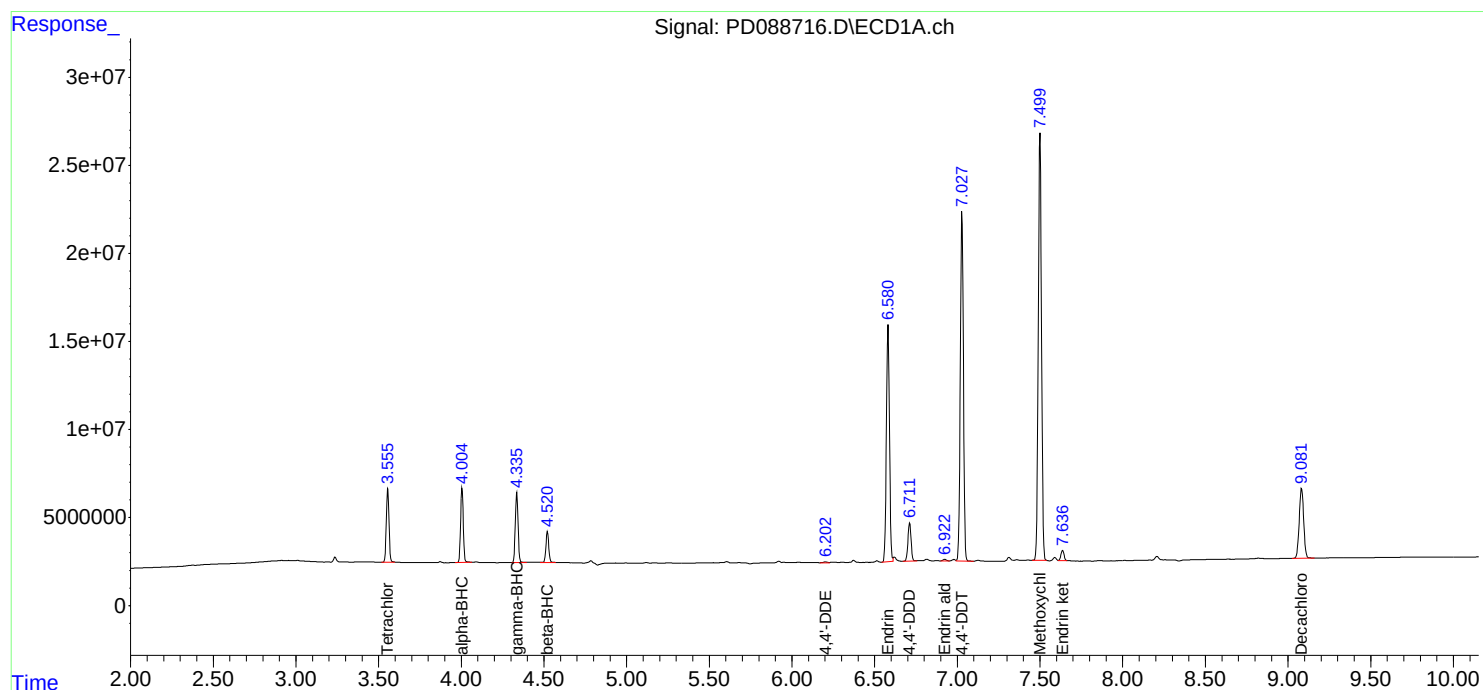
Instrument :
ECD_D
ClientSampleId :
PEM

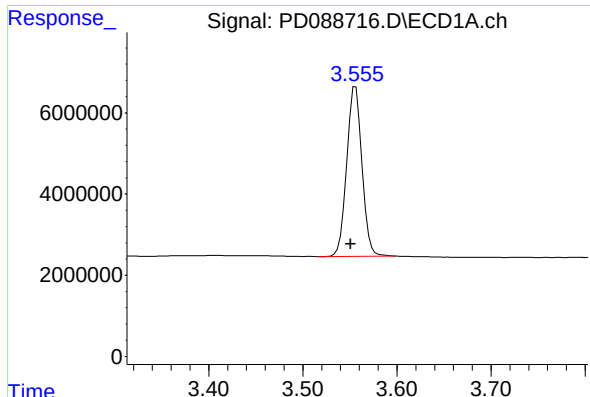
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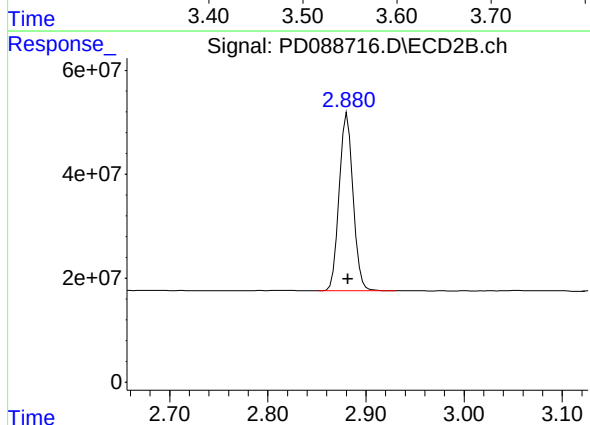
#1 Tetrachloro-m-xylene

R.T.: 3.556 min
Delta R.T.: 0.005 min
Response: 47156953
Conc: 21.79 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

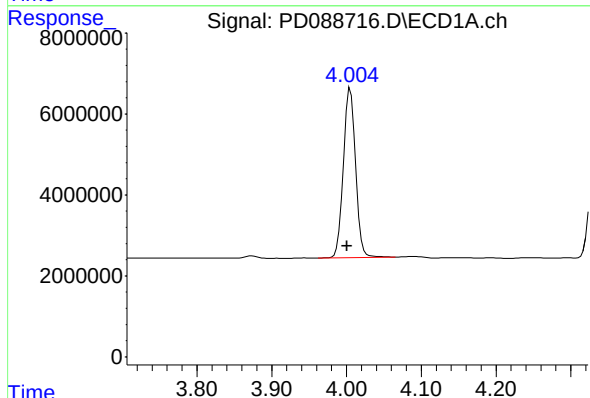
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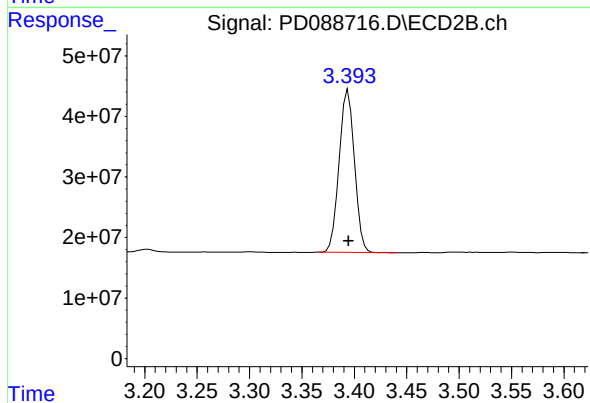
#1 Tetrachloro-m-xylene

R.T.: 2.881 min
Delta R.T.: 0.000 min
Response: 336490557
Conc: 22.24 ng/ml



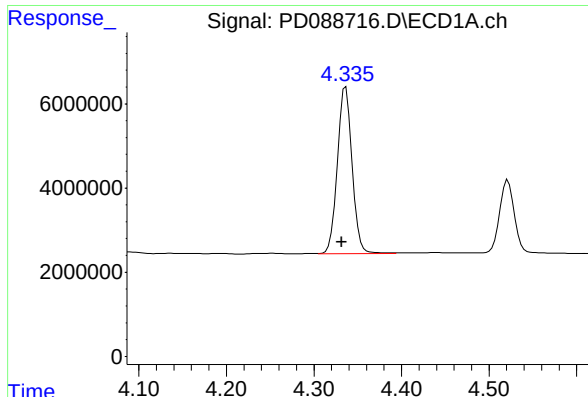
#2 alpha-BHC

R.T.: 4.005 min
Delta R.T.: 0.005 min
Response: 47481810
Conc: 9.94 ng/ml



#2 alpha-BHC

R.T.: 3.394 min
Delta R.T.: 0.000 min
Response: 273025792
Conc: 11.42 ng/ml



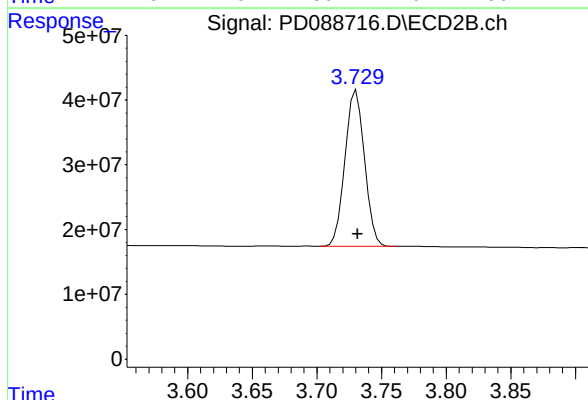
#3 gamma-BHC (Lindane)

R.T.: 4.336 min
Delta R.T.: 0.005 min
Response: 46667569
Conc: 10.14 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

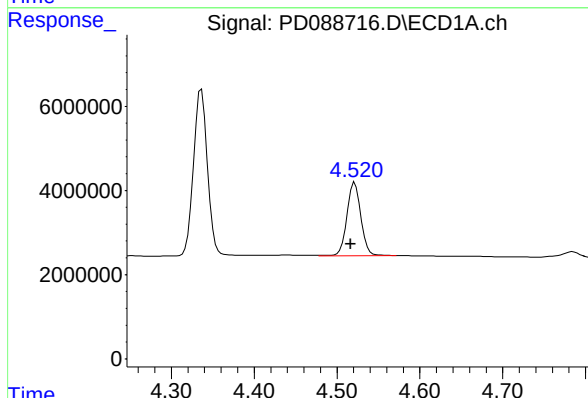
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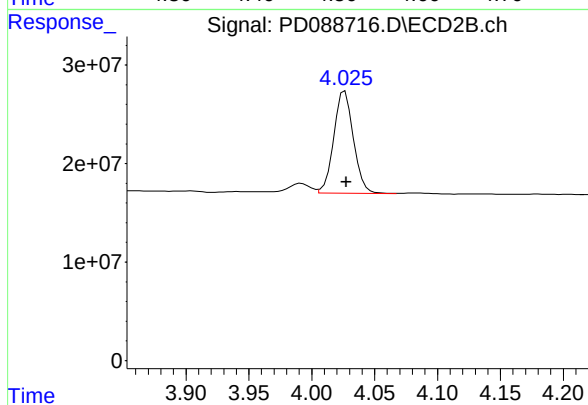
#3 gamma-BHC (Lindane)

R.T.: 3.731 min
Delta R.T.: 0.000 min
Response: 252883931
Conc: 11.41 ng/ml



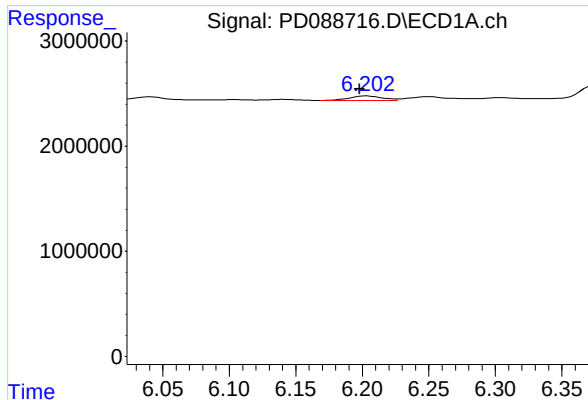
#6 beta-BHC

R.T.: 4.521 min
Delta R.T.: 0.005 min
Response: 20434230
Conc: 11.33 ng/ml



#6 beta-BHC

R.T.: 4.026 min
Delta R.T.: 0.000 min
Response: 113270329
Conc: 11.63 ng/ml



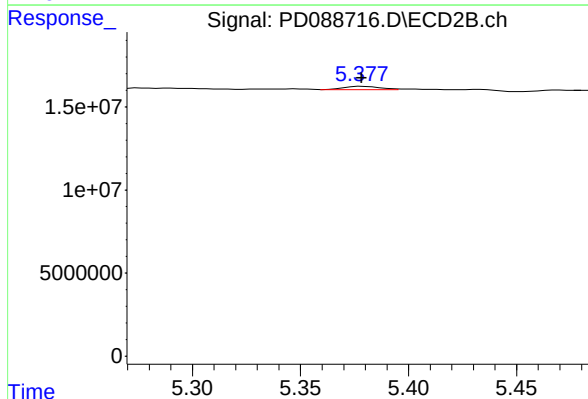
#12 4,4'-DDE

R.T.: 6.202 min
Delta R.T.: 0.004 min
Response: 747195
Conc: 0.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#12 4,4'-DDE

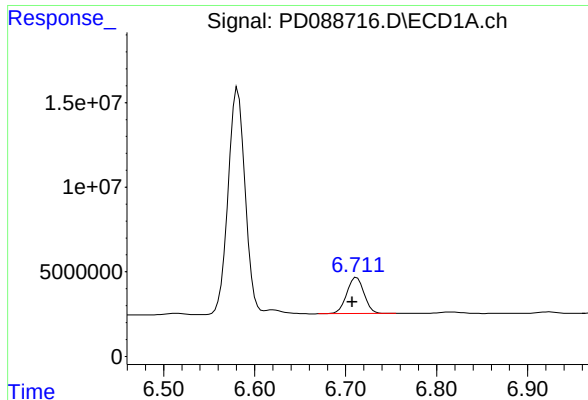
R.T.: 5.377 min
Delta R.T.: -0.001 min
Response: 2344624
Conc: 0.11 ng/ml

#14 Endrin

R.T.: 6.581 min
Delta R.T.: 0.005 min
Response: 172935531
Conc: 50.64 ng/ml

#14 Endrin

R.T.: 5.791 min
Delta R.T.: 0.000 min
Response: 929995390
Conc: 48.23 ng/ml



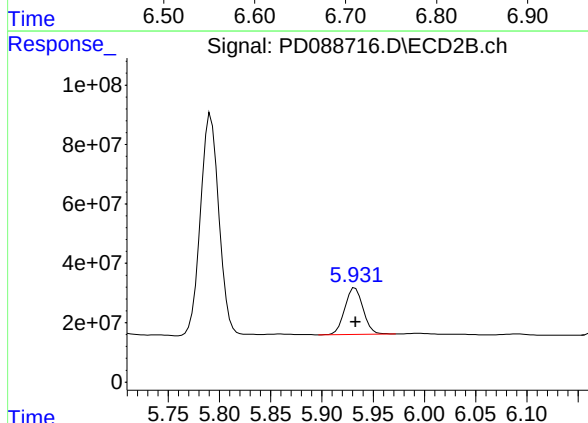
#16 4,4'-DDD

R.T.: 6.712 min
Delta R.T.: 0.005 min
Response: 28557898
Conc: 10.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

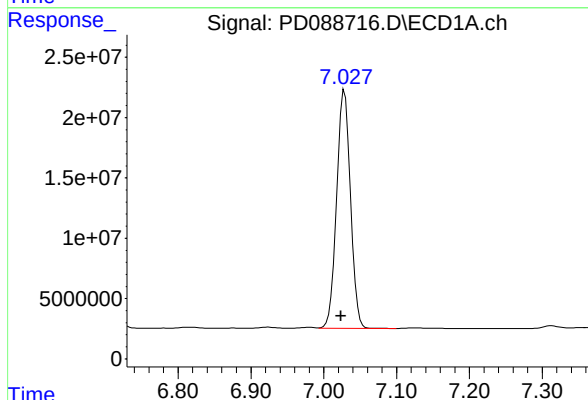
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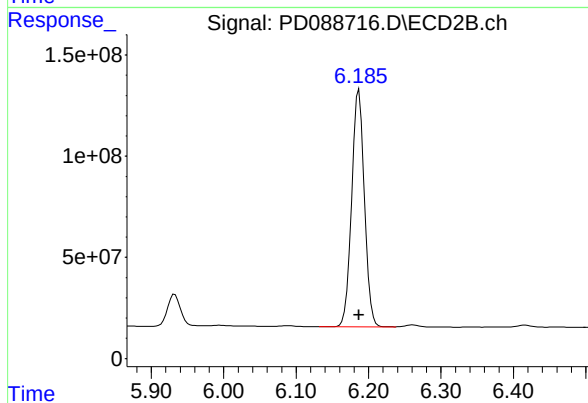
#16 4,4'-DDD

R.T.: 5.932 min
Delta R.T.: 0.000 min
Response: 193097380
Conc: 11.10 ng/ml



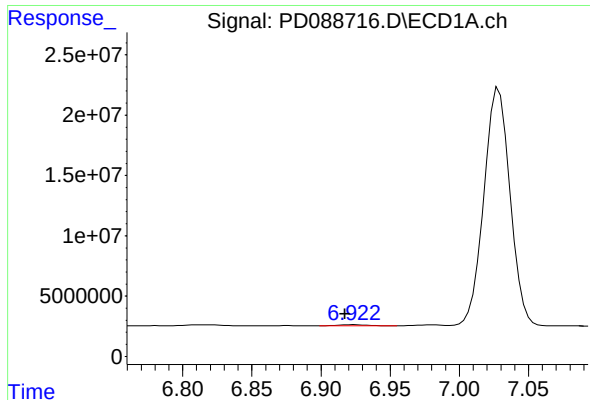
#17 4,4'-DDT

R.T.: 7.029 min
Delta R.T.: 0.005 min
Response: 260559996
Conc: 83.46 ng/ml



#17 4,4'-DDT

R.T.: 6.187 min
Delta R.T.: 0.000 min
Response: 1434945504
Conc: 79.12 ng/ml



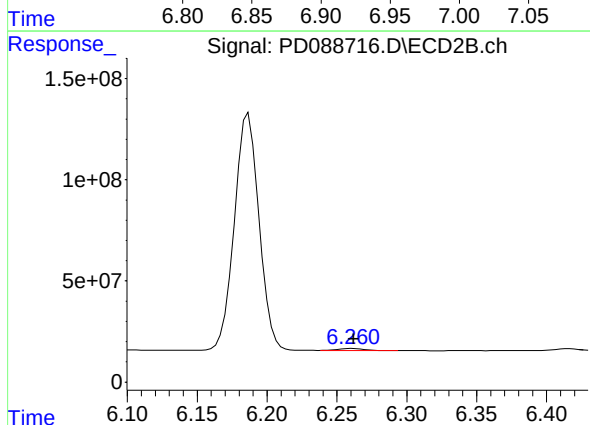
#18 Endrin aldehyde

R.T.: 6.923 min
Delta R.T.: 0.006 min
Response: 1367775
Conc: 0.53 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

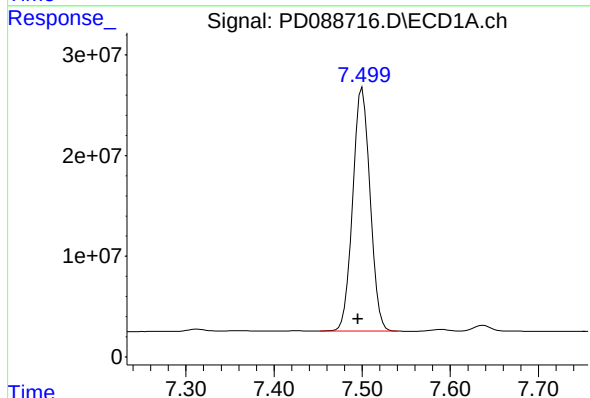
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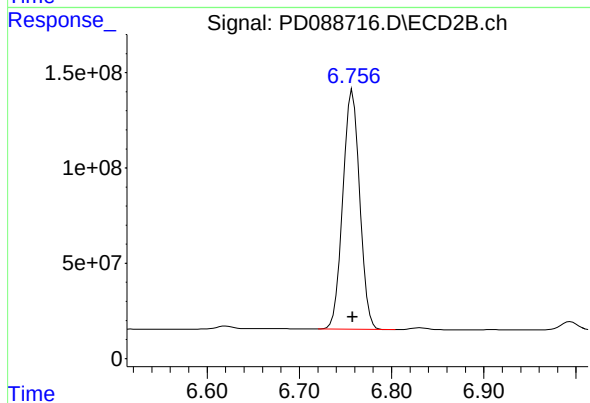
#18 Endrin aldehyde

R.T.: 6.261 min
Delta R.T.: -0.001 min
Response: 12999947
Conc: 0.93 ng/ml



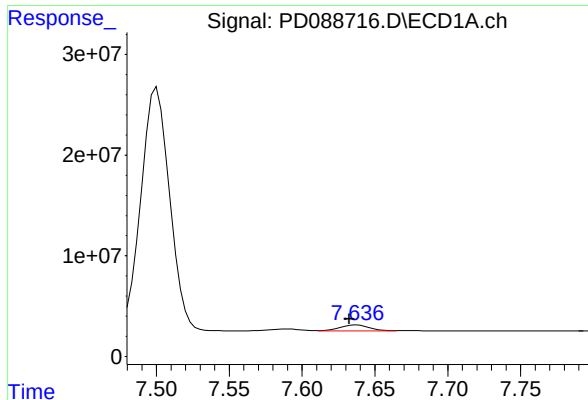
#20 Methoxychlor

R.T.: 7.500 min
Delta R.T.: 0.005 min
Response: 331272213
Conc: 198.30 ng/ml



#20 Methoxychlor

R.T.: 6.758 min
Delta R.T.: 0.000 min
Response: 1590149538
Conc: 166.08 ng/ml



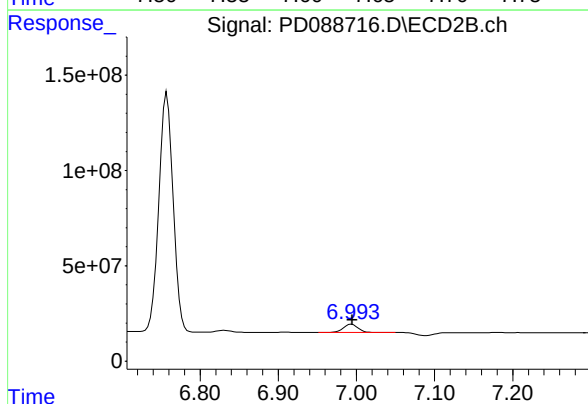
#21 Endrin ketone

R.T.: 7.636 min
Delta R.T.: 0.004 min
Response: 7803721
Conc: 2.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

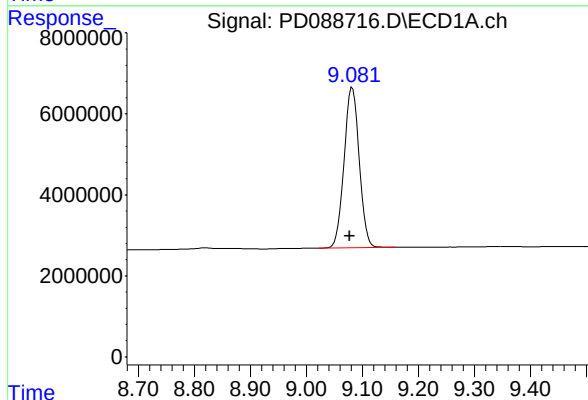
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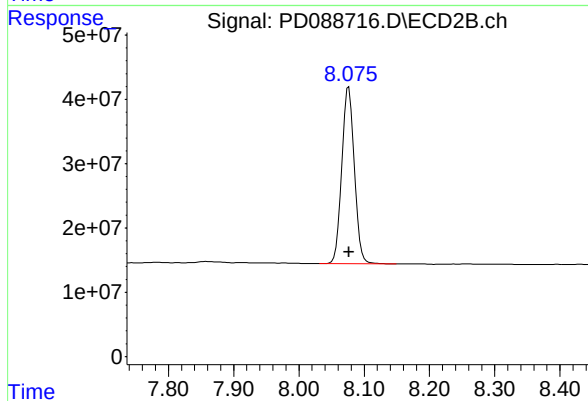
#21 Endrin ketone

R.T.: 6.994 min
Delta R.T.: -0.001 min
Response: 55980415
Conc: 2.89 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.082 min
Delta R.T.: 0.005 min
Response: 74431700
Conc: 21.75 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.076 min
Delta R.T.: 0.000 min
Response: 367468529
Conc: 20.13 ng/ml