

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121625\
 Data File : PD091598.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Dec 2025 09:49
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/17/2025
 Supervised By : Yogesh Patel 12/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 17 04:56:23 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD120825.M
 Quant Title : GC Extractables
 QLast Update : Tue Dec 09 04:29:17 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 x 0.25µm

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

System Monitoring Compounds							
1)	SA Tetrachlo...	3.539	2.869	75058118	966.2E6	21.610	24.520
28)	SA Decachlor...	9.058	8.053	105.2E6	1066.7E6	20.246	25.759 #
Target Compounds							
2)	A alpha-BHC	3.988	3.380	74068700	817.0E6	9.200	11.984 #
3)	MA gamma-BHC...	4.319	3.716	72007864	757.9E6	9.581	13.479 #
6)	B beta-BHC	4.507	4.012	30780240	316.3E6	10.661	13.203
12)	B 4,4'-DDE	6.182	5.358	682479	10578296	0.117m	0.193m#
14)	MA Endrin	6.562	5.772	267.9E6	2913.5E6	47.774	55.732
16)	A 4,4'-DDD	6.694	5.913	16081375	180.1E6	3.494	3.959
17)	MA 4,4'-DDT	7.009	6.166	463.0E6	5455.1E6	89.800	115.089 #
18)	B Endrin al...	6.902	6.239	2135467	38090569	0.511m	1.067m#
20)	A Methoxychlor	7.483	6.736	549.9E6	5259.3E6	204.565	222.868
21)	B Endrin ke...	7.619	6.973	9942801	125.8E6	1.765	2.586m#

(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

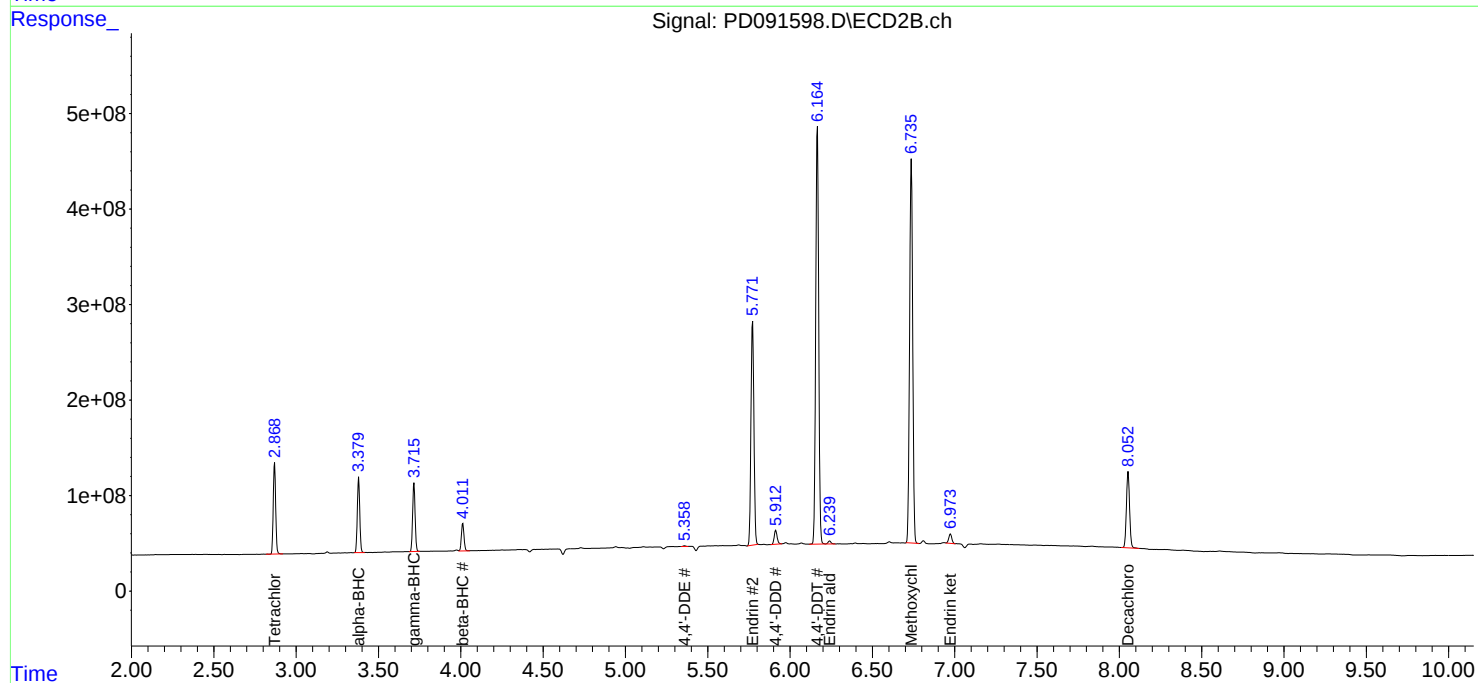
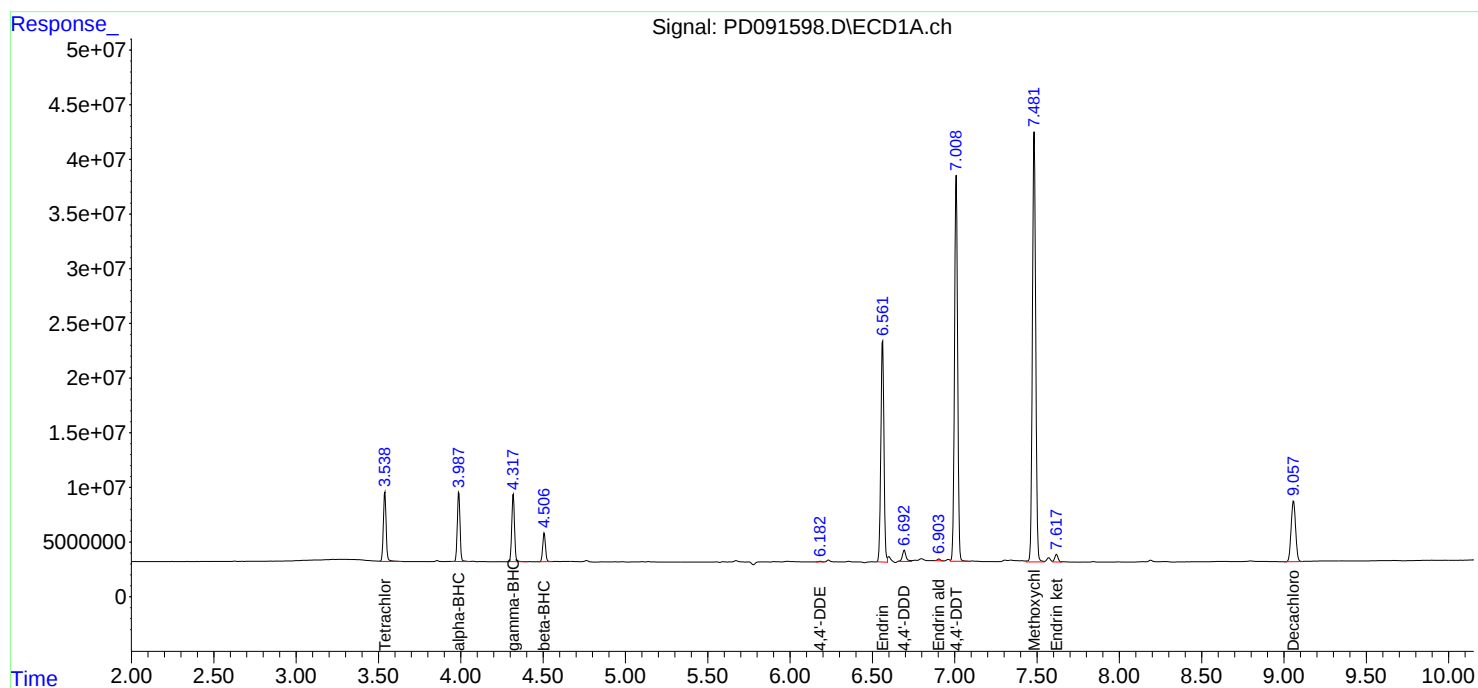
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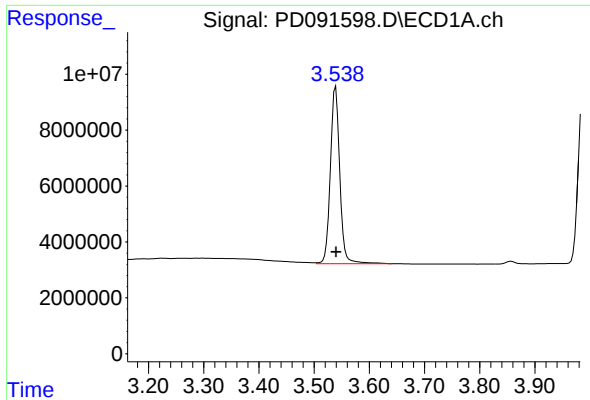
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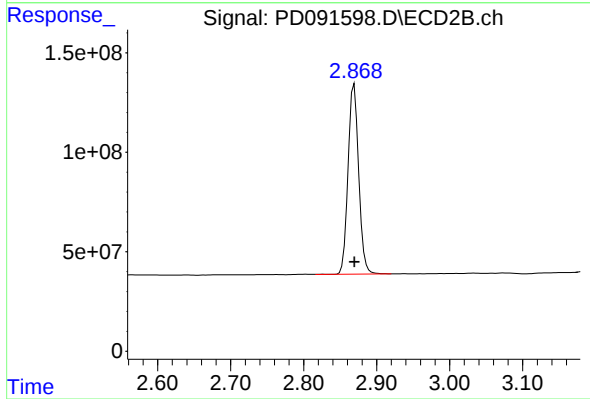
#1 Tetrachloro-m-xylene

R.T.: 3.539 min
Delta R.T.: 0.000 min
Response: 75058118
Conc: 21.61 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

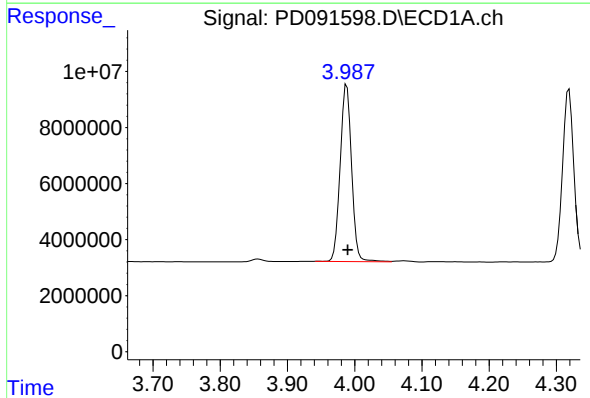
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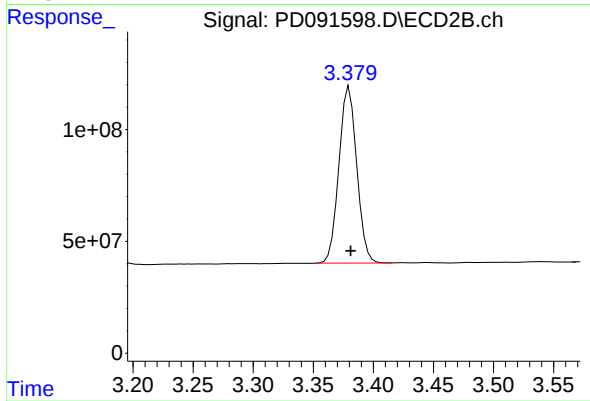
#1 Tetrachloro-m-xylene

R.T.: 2.869 min
Delta R.T.: 0.000 min
Response: 966175712
Conc: 24.52 ng/ml



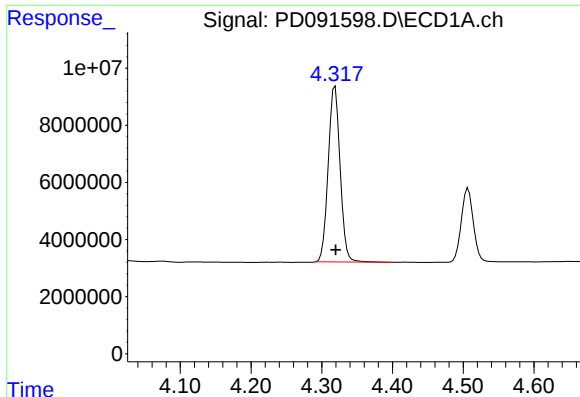
#2 alpha-BHC

R.T.: 3.988 min
Delta R.T.: -0.001 min
Response: 74068700
Conc: 9.20 ng/ml



#2 alpha-BHC

R.T.: 3.380 min
Delta R.T.: -0.001 min
Response: 817001451
Conc: 11.98 ng/ml



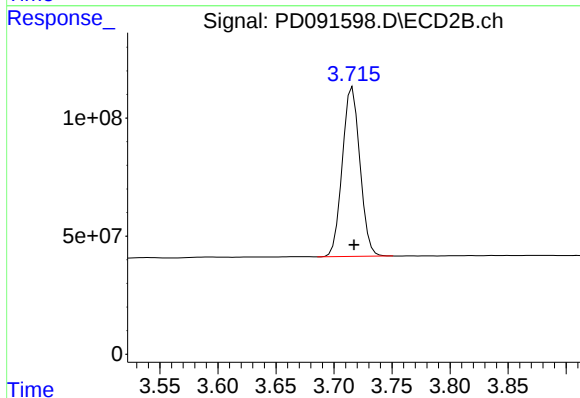
#3 gamma-BHC (Lindane)

R.T.: 4.319 min
Delta R.T.: -0.001 min
Response: 72007864
Conc: 9.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

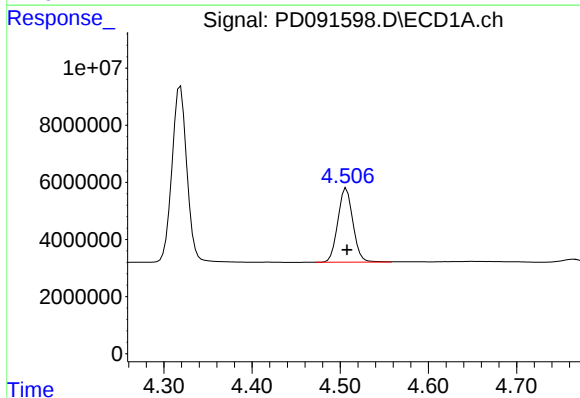
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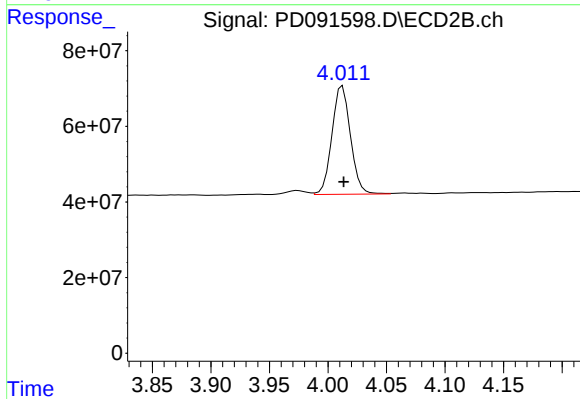
#3 gamma-BHC (Lindane)

R.T.: 3.716 min
Delta R.T.: -0.001 min
Response: 757923645
Conc: 13.48 ng/ml



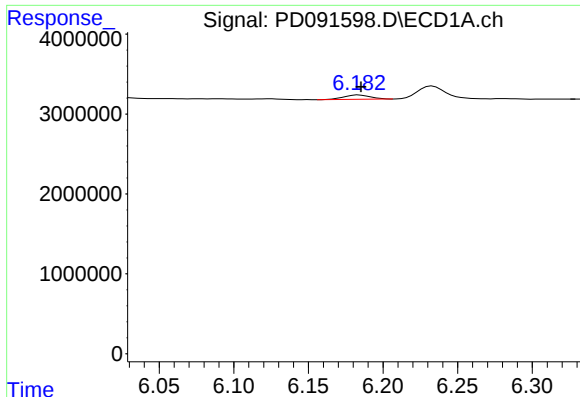
#6 beta-BHC

R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 30780240
Conc: 10.66 ng/ml



#6 beta-BHC

R.T.: 4.012 min
Delta R.T.: -0.001 min
Response: 316324486
Conc: 13.20 ng/ml



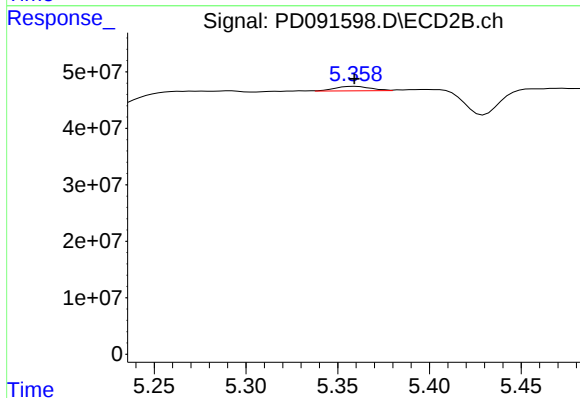
#12 4,4'-DDE

R.T.: 6.182 min
Delta R.T.: -0.003 min
Response: 682479
Conc: 0.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

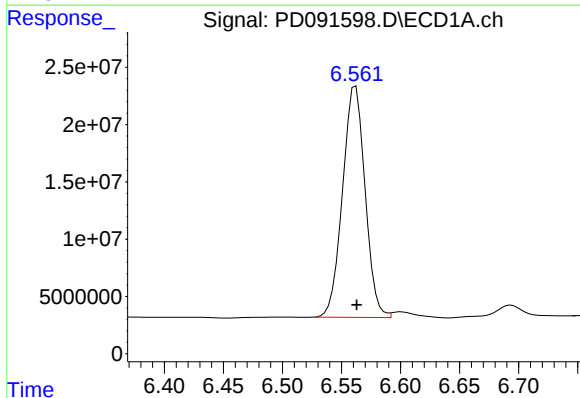
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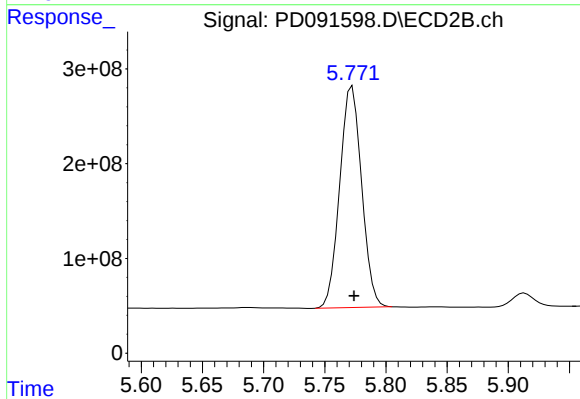
#12 4,4'-DDE

R.T.: 5.358 min
Delta R.T.: 0.000 min
Response: 10578296
Conc: 0.19 ng/ml m



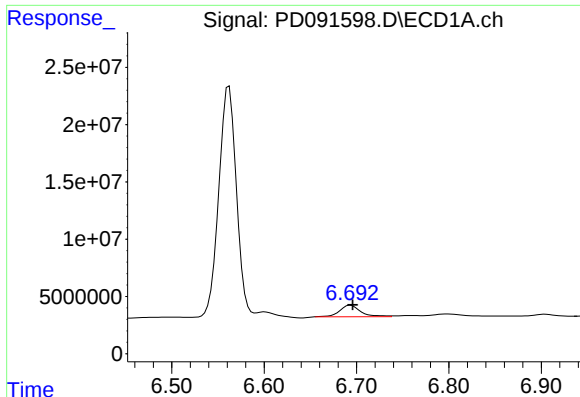
#14 Endrin

R.T.: 6.562 min
Delta R.T.: 0.000 min
Response: 267928531
Conc: 47.77 ng/ml



#14 Endrin

R.T.: 5.772 min
Delta R.T.: -0.002 min
Response: 2913549172
Conc: 55.73 ng/ml



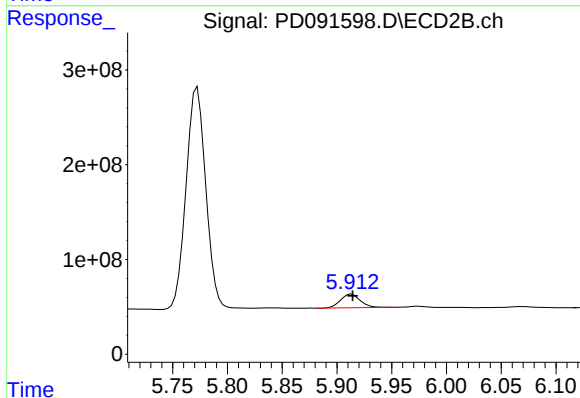
#16 4,4'-DDD

R.T.: 6.694 min
Delta R.T.: -0.002 min
Response: 16081375
Conc: 3.49 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

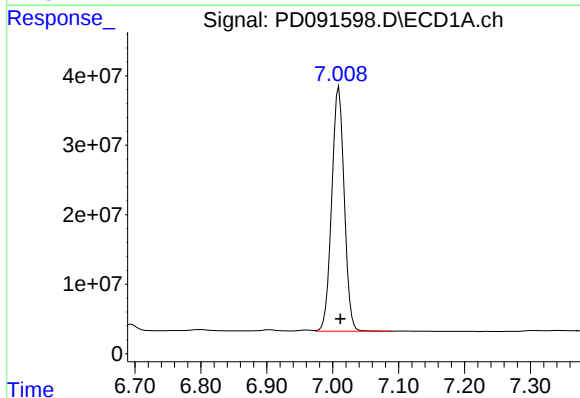
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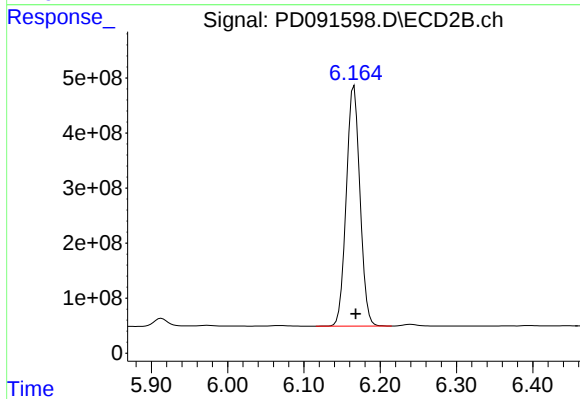
#16 4,4'-DDD

R.T.: 5.913 min
Delta R.T.: -0.001 min
Response: 180062558
Conc: 3.96 ng/ml



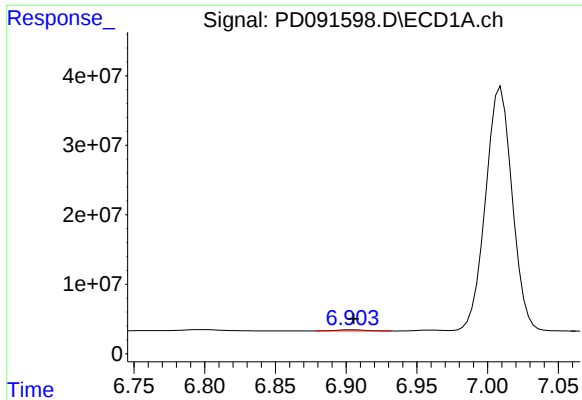
#17 4,4'-DDT

R.T.: 7.009 min
Delta R.T.: -0.002 min
Response: 463049134
Conc: 89.80 ng/ml



#17 4,4'-DDT

R.T.: 6.166 min
Delta R.T.: -0.002 min
Response: 5455063492
Conc: 115.09 ng/ml



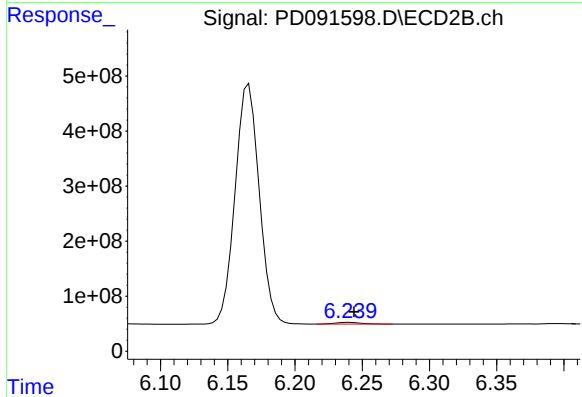
#18 Endrin aldehyde

R.T.: 6.902 min
Delta R.T.: -0.003 min
Response: 2135467
Conc: 0.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

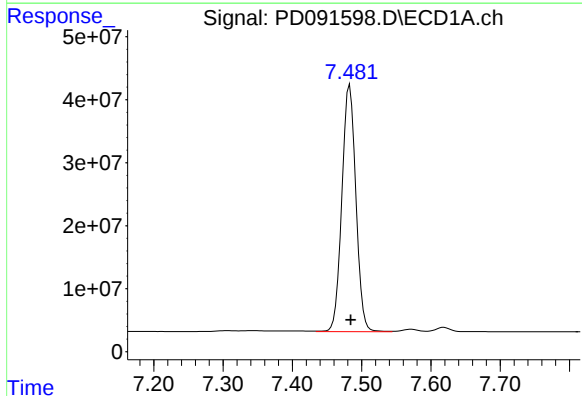
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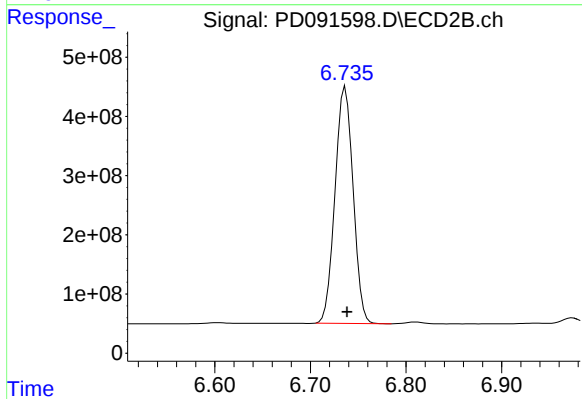
#18 Endrin aldehyde

R.T.: 6.239 min
Delta R.T.: -0.005 min
Response: 38090569
Conc: 1.07 ng/ml m



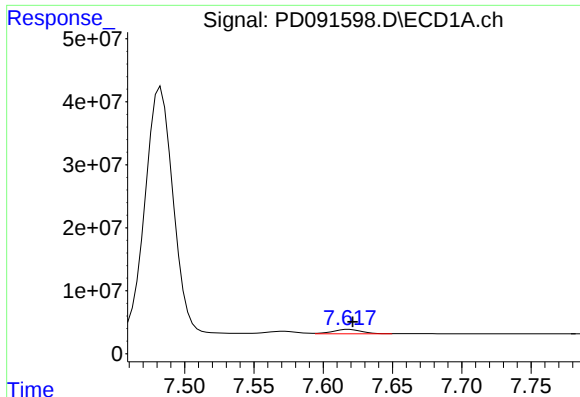
#20 Methoxychlor

R.T.: 7.483 min
Delta R.T.: -0.002 min
Response: 549866324
Conc: 204.56 ng/ml



#20 Methoxychlor

R.T.: 6.736 min
Delta R.T.: -0.002 min
Response: 5259260811
Conc: 222.87 ng/ml



#21 Endrin ketone

R.T.: 7.619 min
Delta R.T.: -0.003 min
Response: 9942801
Conc: 1.76 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#21 Endrin ketone

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 125799681
Conc: 2.59 ng/ml m

#28 Decachlorobiphenyl

R.T.: 9.058 min
Delta R.T.: -0.001 min
Response: 105236841
Conc: 20.25 ng/ml

#28 Decachlorobiphenyl

R.T.: 8.053 min
Delta R.T.: -0.001 min
Response: 1066707139
Conc: 25.76 ng/ml