

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111525\
 Data File : PD091194.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 14 Nov 2025 20:15
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/17/2025
 Supervised By : Sohil Jodhani 11/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 15 04:48:07 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD111525.M
 Quant Title : GC Extractables
 QLast Update : Sat Nov 15 04:46:13 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...	3.544	2.874	67260764	709.4E6	19.504	19.367
28)	SA Decachlor...	9.064	8.059	100.5E6	776.5E6	20.172	19.621
Target Compounds							
2)	A alpha-BHC	3.993	3.385	65992882	592.9E6	8.254	9.381
3)	MA gamma-BHC...	4.324	3.721	63139958	546.9E6	8.449	9.458
6)	B beta-BHC	4.511	4.018	26858838	229.1E6	9.244	9.533
12)	B 4,4'-DDE	6.188	5.362	1068437	8351297	0.184	0.156m
14)	MA Endrin	6.567	5.779	220.3E6	2053.8E6	44.393	45.446
16)	A 4,4'-DDD	6.698	5.918	35888124	390.5E6	7.307	7.992
17)	MA 4,4'-DDT	7.015	6.172	365.1E6	3496.0E6	88.288	89.338
18)	B Endrin al...	6.908	6.246	5179238	61443615	1.243m	1.741m#
20)	A Methoxychlor	7.487	6.742	450.2E6	3742.1E6	207.044	186.626
21)	B Endrin ke...	7.624	6.980	17711353	182.8E6	3.144	3.587

(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

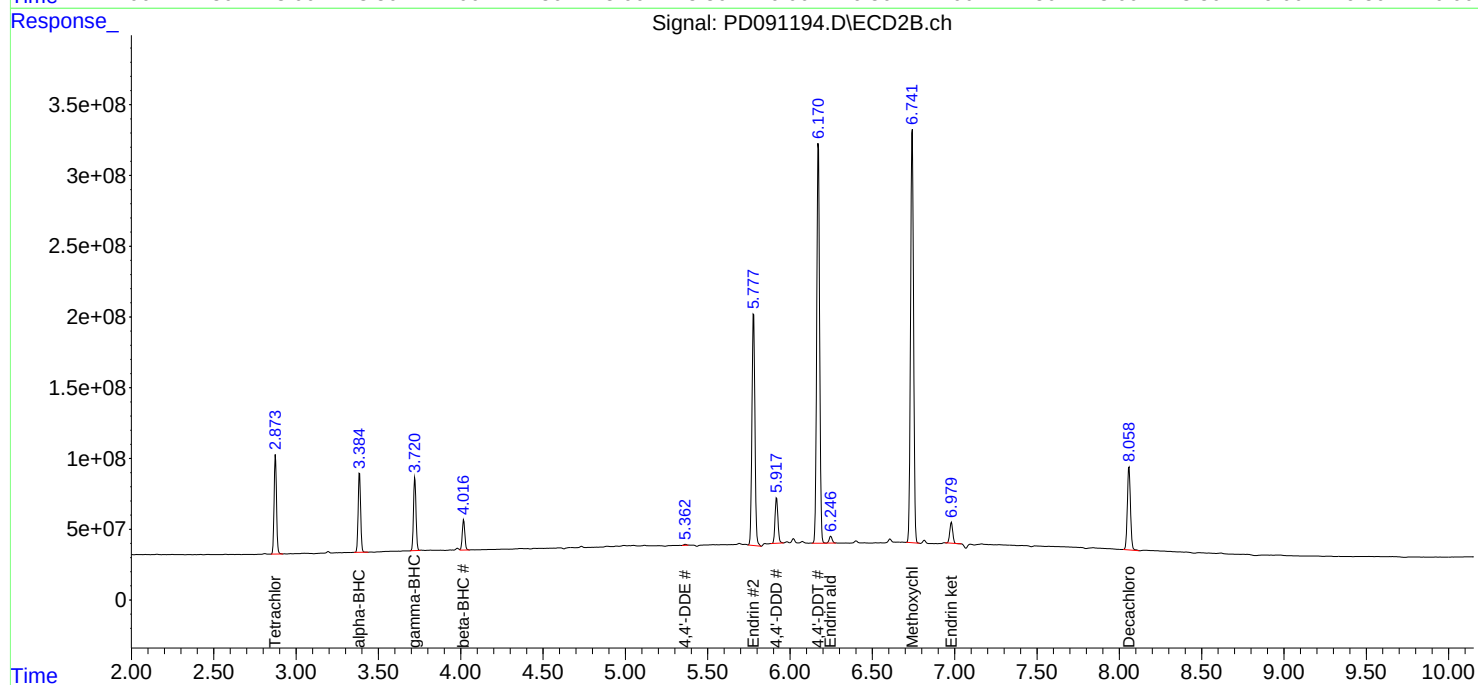
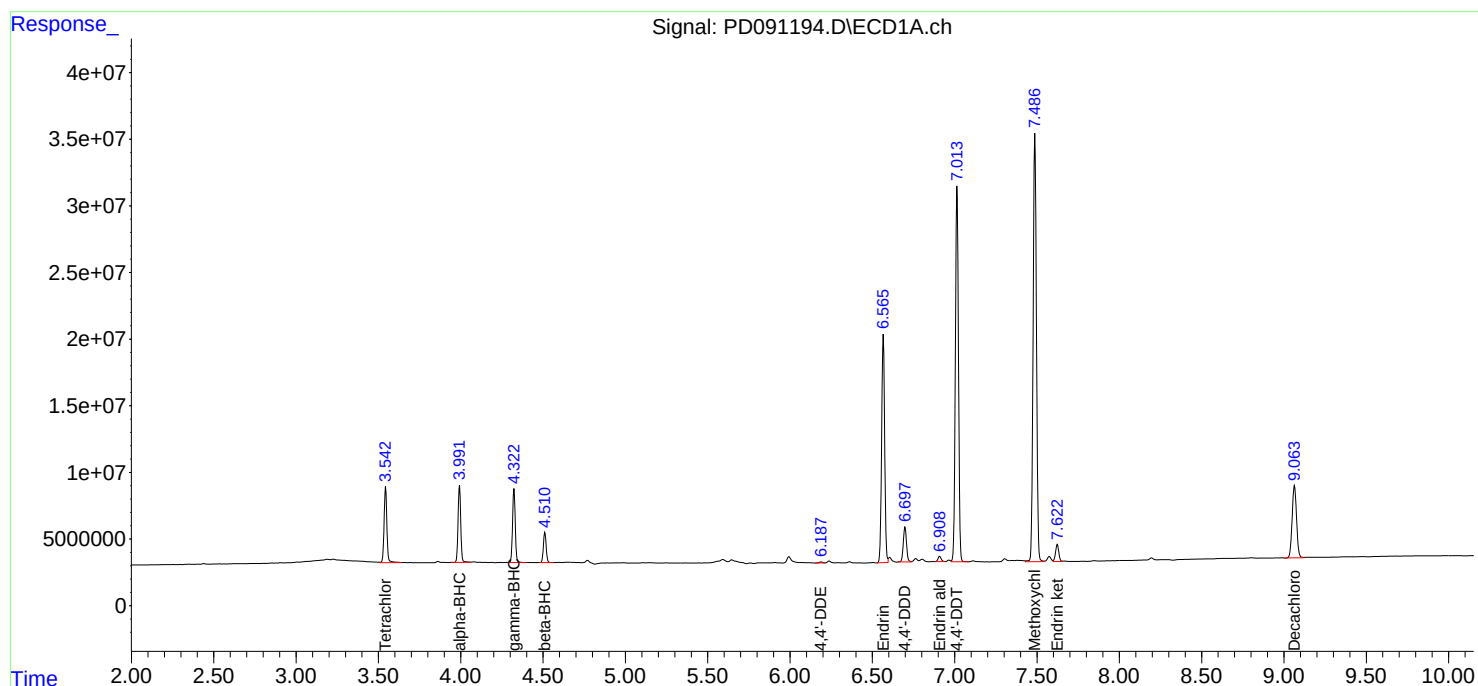
Instrument :
ECD_D
ClientSampleId :
PEM

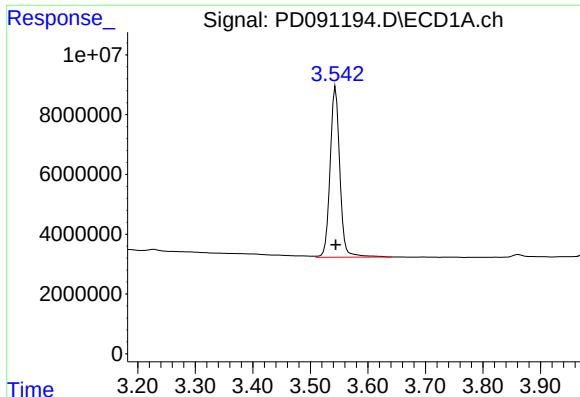
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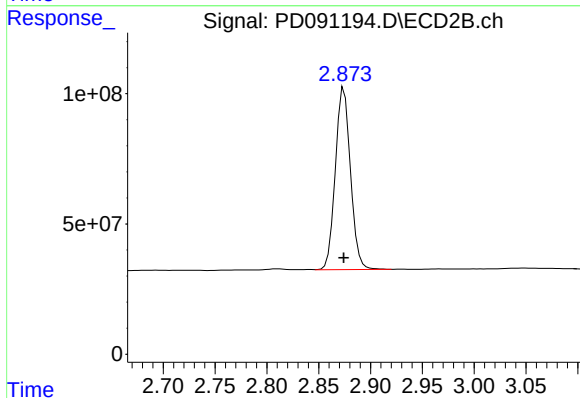
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 67260764
Conc: 19.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

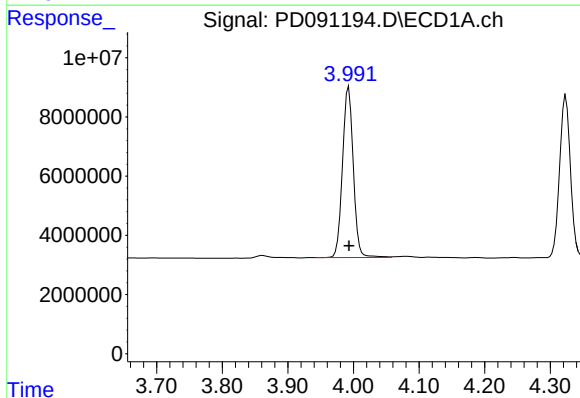
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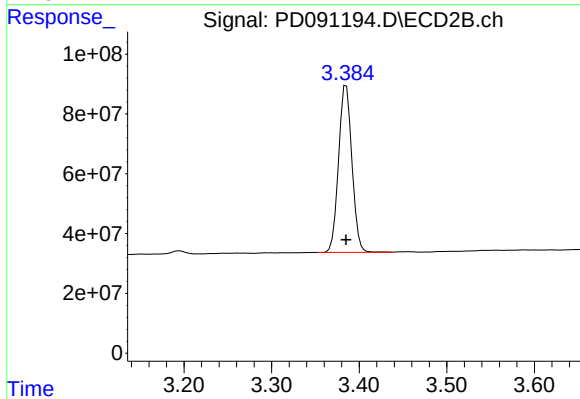
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 709407359
Conc: 19.37 ng/ml



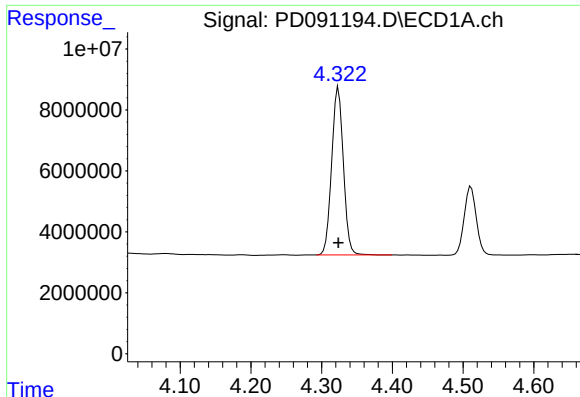
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 65992882
Conc: 8.25 ng/ml



#2 alpha-BHC

R.T.: 3.385 min
Delta R.T.: 0.000 min
Response: 592928129
Conc: 9.38 ng/ml



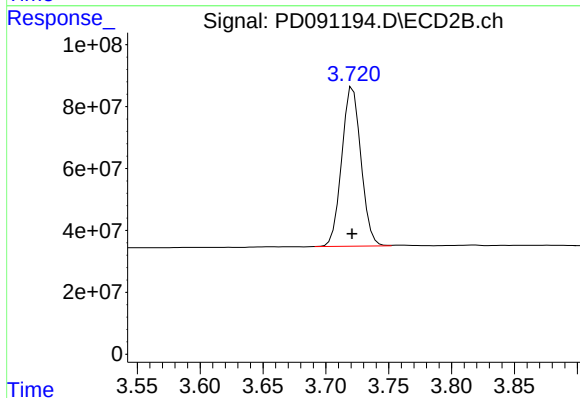
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 63139958
Conc: 8.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

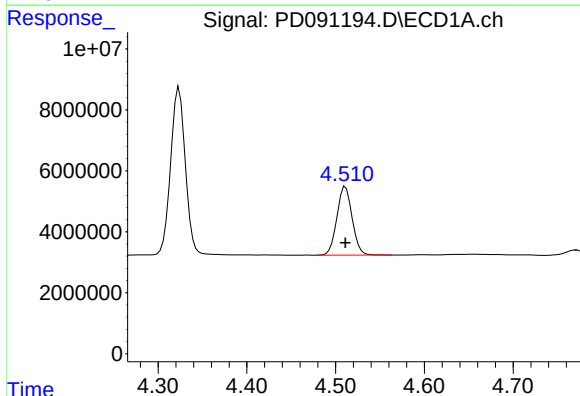
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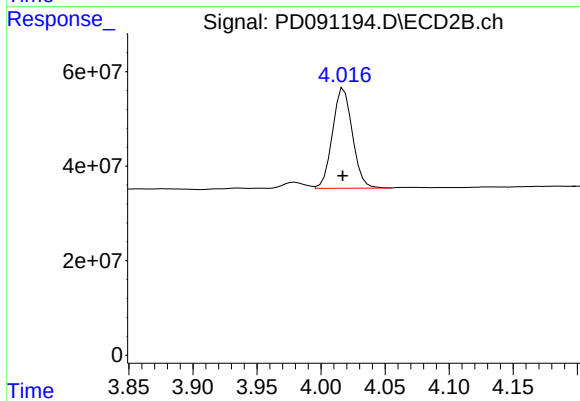
#3 gamma-BHC (Lindane)

R.T.: 3.721 min
Delta R.T.: 0.000 min
Response: 546850703
Conc: 9.46 ng/ml



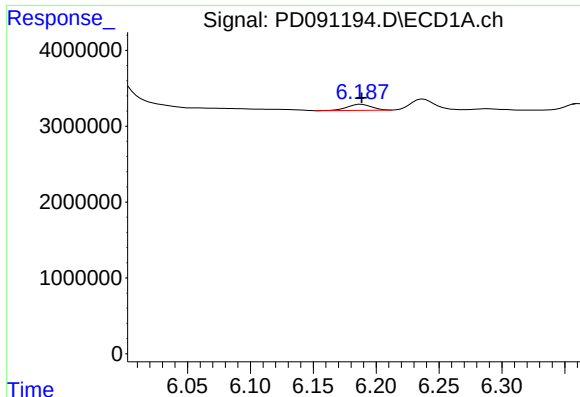
#6 beta-BHC

R.T.: 4.511 min
Delta R.T.: 0.000 min
Response: 26858838
Conc: 9.24 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 229059675
Conc: 9.53 ng/ml



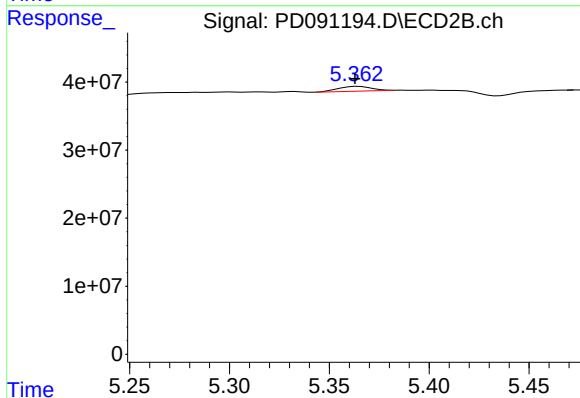
#12 4,4'-DDE

R.T.: 6.188 min
Delta R.T.: 0.000 min
Response: 1068437
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

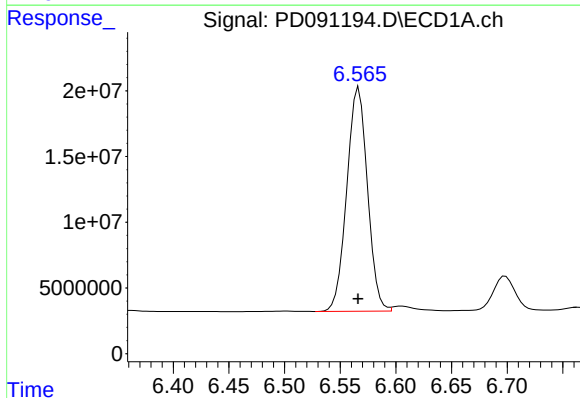
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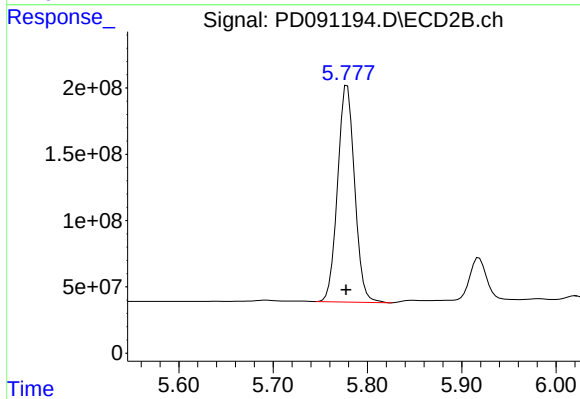
#12 4,4'-DDE

R.T.: 5.362 min
Delta R.T.: 0.000 min
Response: 8351297
Conc: 0.16 ng/ml m



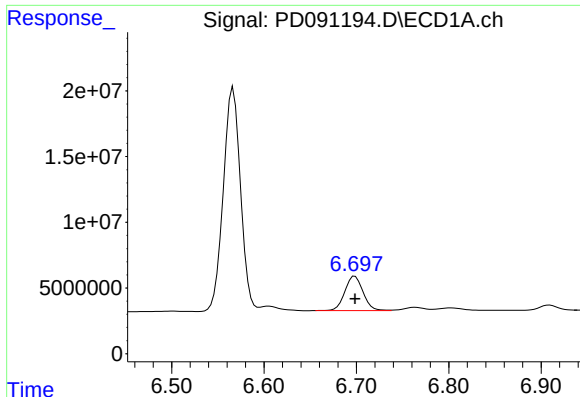
#14 Endrin

R.T.: 6.567 min
Delta R.T.: 0.000 min
Response: 220342338
Conc: 44.39 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: 0.001 min
Response: 2053826744
Conc: 45.45 ng/ml



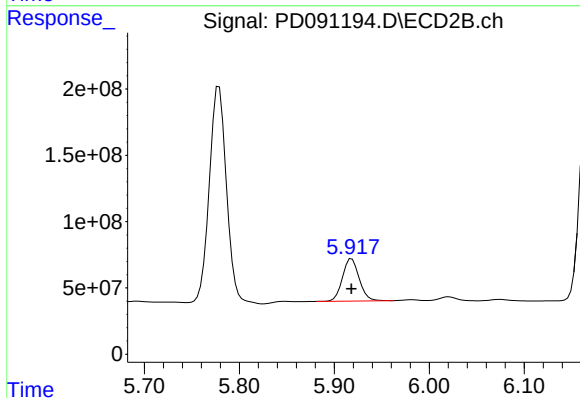
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: 0.000 min
Response: 35888124
Conc: 7.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

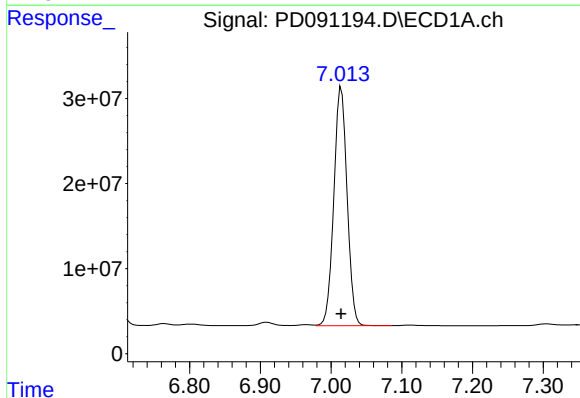
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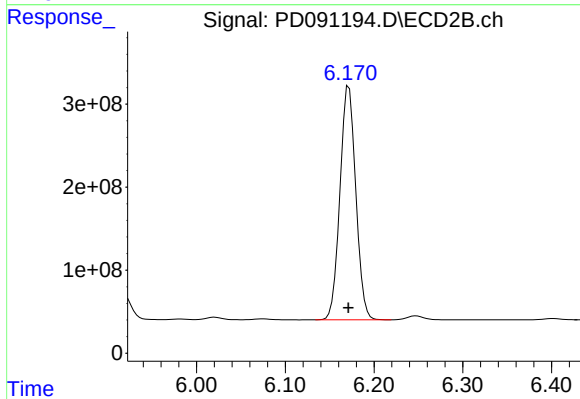
#16 4,4'-DDD

R.T.: 5.918 min
Delta R.T.: 0.000 min
Response: 390549515
Conc: 7.99 ng/ml



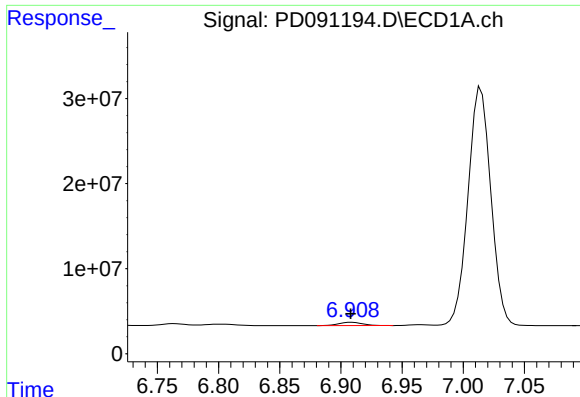
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: 0.000 min
Response: 365114983
Conc: 88.29 ng/ml



#17 4,4'-DDT

R.T.: 6.172 min
Delta R.T.: 0.000 min
Response: 3496021709
Conc: 89.34 ng/ml



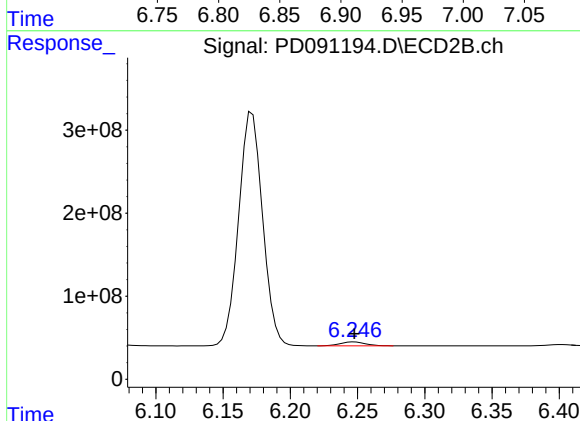
#18 Endrin aldehyde

R.T.: 6.908 min
Delta R.T.: 0.000 min
Response: 5179238
Conc: 1.24 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

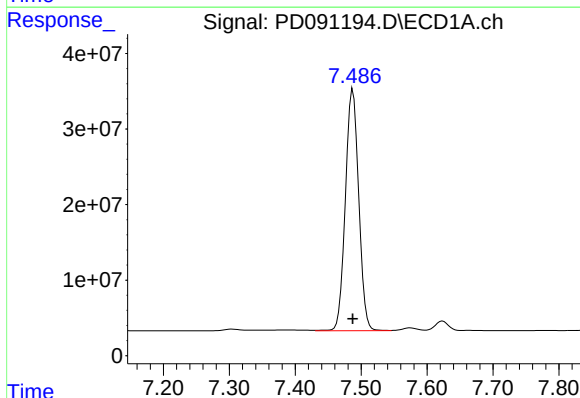
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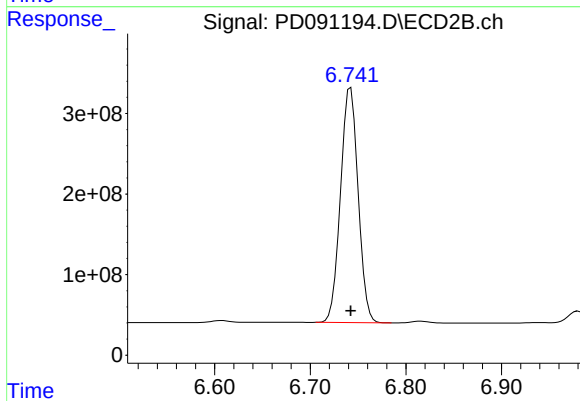
#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.002 min
Response: 61443615
Conc: 1.74 ng/ml m



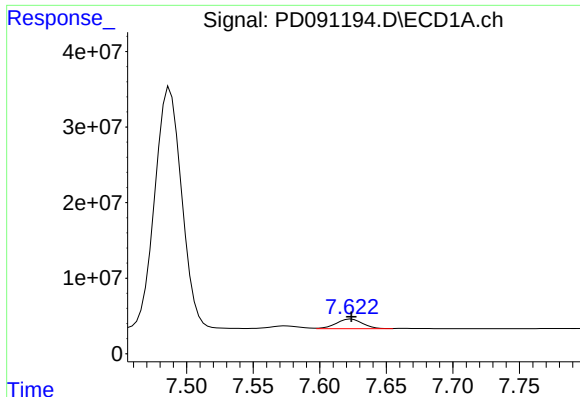
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: 0.000 min
Response: 450182707
Conc: 207.04 ng/ml



#20 Methoxychlor

R.T.: 6.742 min
Delta R.T.: 0.000 min
Response: 3742126047
Conc: 186.63 ng/ml



#21 Endrin ketone

R.T.: 7.624 min
Delta R.T.: 0.000 min
Response: 17711353
Conc: 3.14 ng/ml

Instrument :

ECD_D

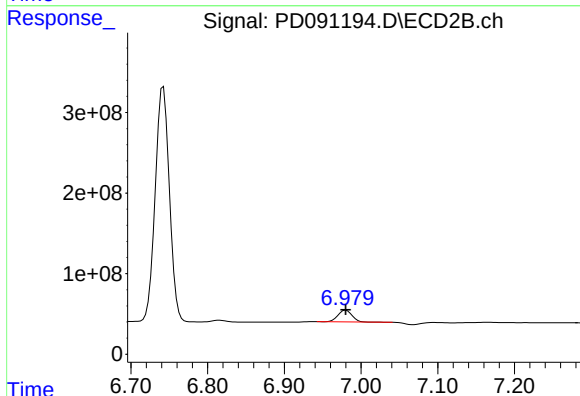
ClientSampleId :

PEM

Manual Integrations

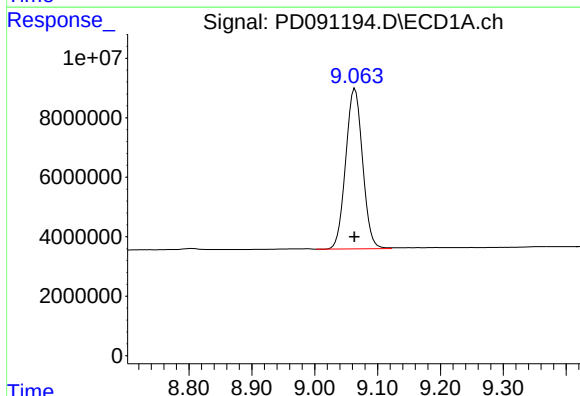
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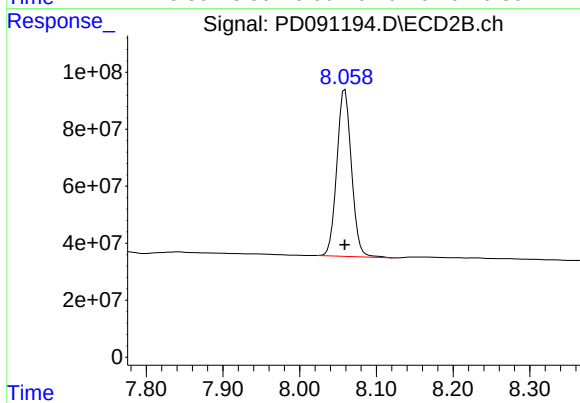
#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: 0.000 min
Response: 182756709
Conc: 3.59 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.064 min
Delta R.T.: 0.000 min
Response: 100495343
Conc: 20.17 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.059 min
Delta R.T.: 0.000 min
Response: 776505616
Conc: 19.62 ng/ml