

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD112625\
 Data File : PD091368.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 26 Nov 2025 09:38
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/01/2025
 Supervised By :mohammad ahmed 12/03/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 01 11:08:26 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...	3.542	2.872	69945232	803.3E6	20.282	21.931
28)	SA Decachlor...	9.062	8.057	100.9E6	923.1E6	20.257	23.326
Target Compounds							
2)	A alpha-BHC	3.991	3.383	68664414	673.7E6	8.588	10.659
3)	MA gamma-BHC...	4.321	3.719	66468668	628.1E6	8.895	10.863
6)	B beta-BHC	4.509	4.015	28184050	258.6E6	9.700	10.762
12)	B 4,4'-DDE	6.187	5.360	1043307	13381206	0.180	0.250m#
14)	MA Endrin	6.565	5.775	240.2E6	2465.7E6	48.388	54.560
16)	A 4,4'-DDD	6.697	5.916	35401040	301.5E6	7.208	6.170
17)	MA 4,4'-DDT	7.013	6.169	390.3E6	4277.2E6	94.379	109.301
18)	B Endrin al...	6.906	6.245	3236854	48719022	0.777m	1.381 #
20)	A Methoxychlor	7.486	6.740	467.3E6	4343.9E6	214.937	216.639
21)	B Endrin ke...	7.622	6.976	14158926	190.3E6	2.513	3.734m#

(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

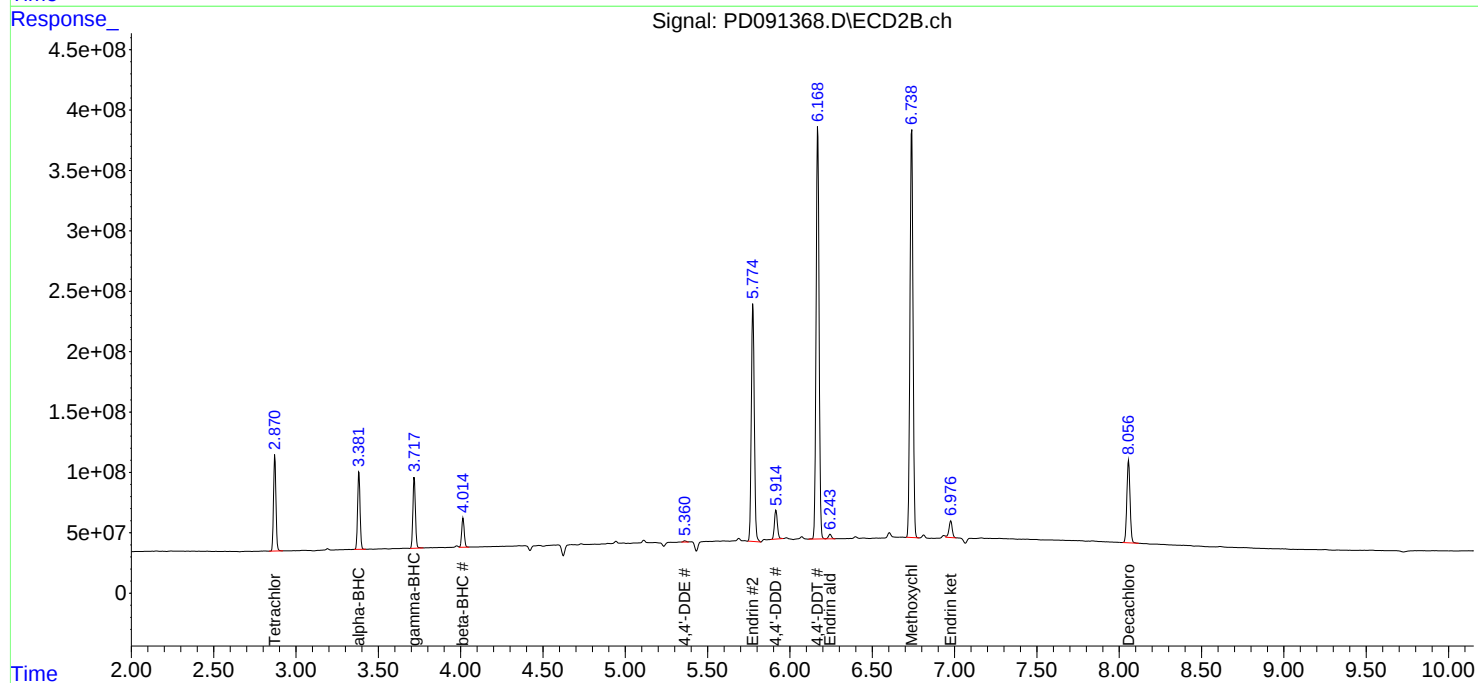
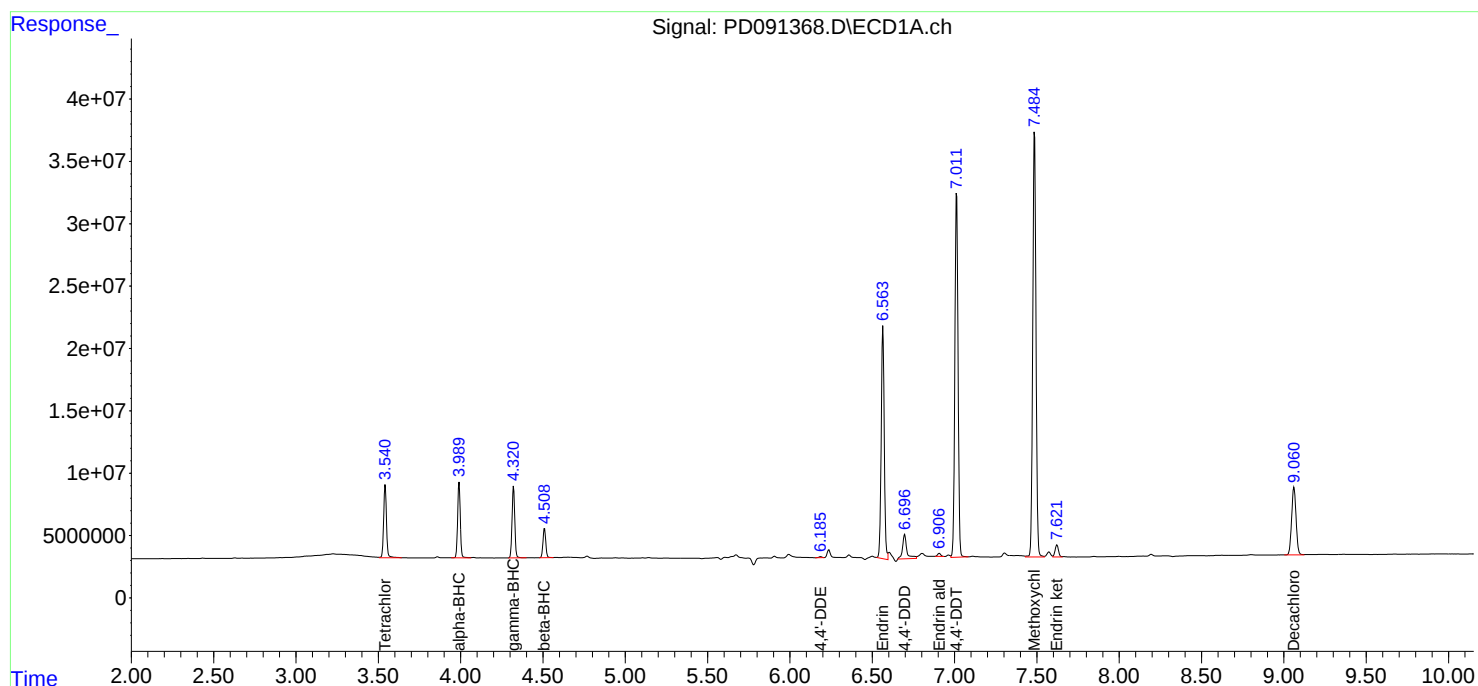
Instrument :
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PEM

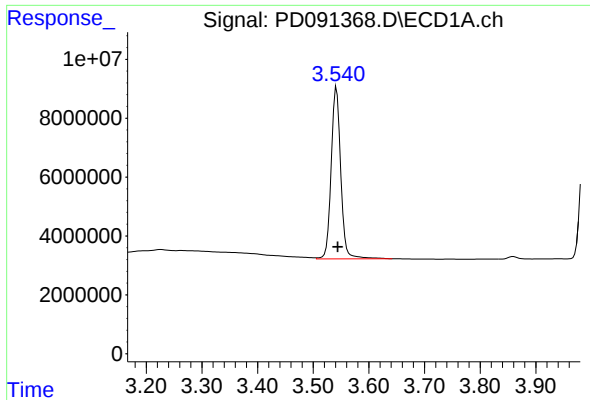
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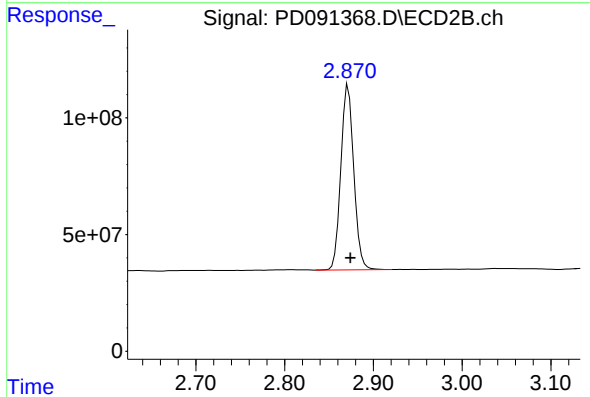
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 69945232
Conc: 20.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

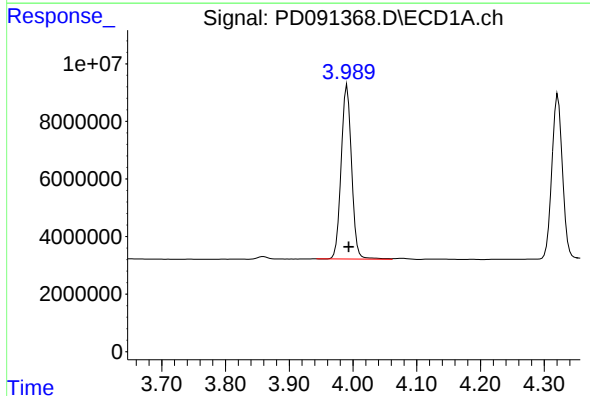
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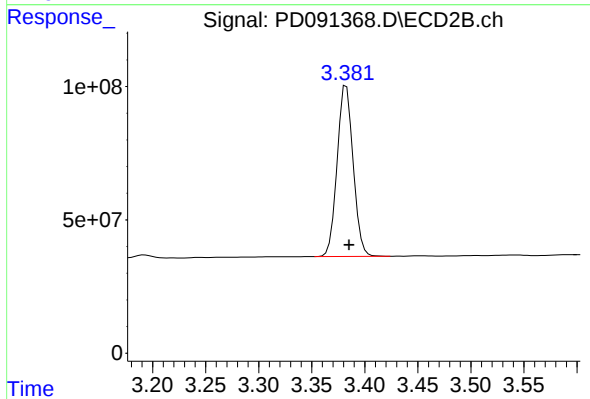
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 803322192
Conc: 21.93 ng/ml



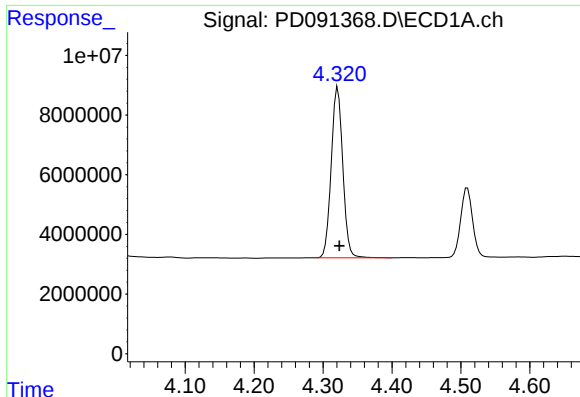
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 68664414
Conc: 8.59 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.003 min
Response: 673675134
Conc: 10.66 ng/ml



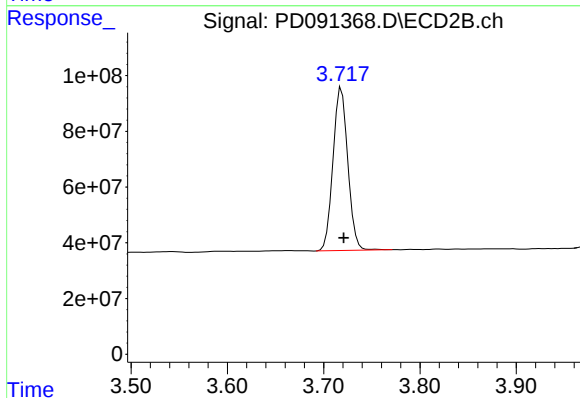
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.002 min
Response: 66468668
Conc: 8.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

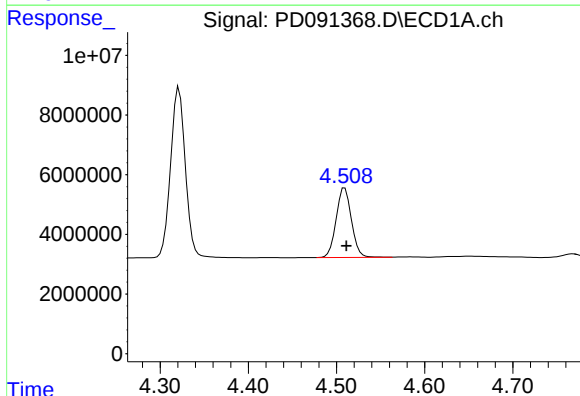
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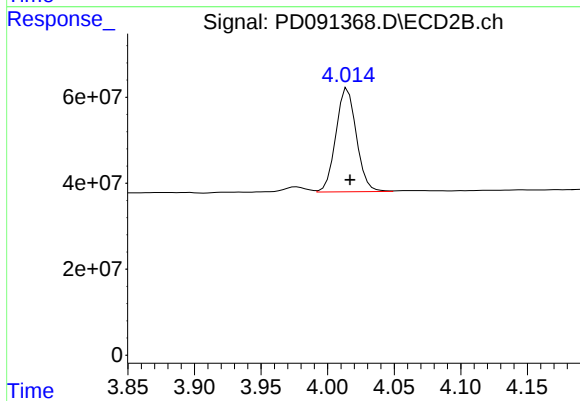
#3 gamma-BHC (Lindane)

R.T.: 3.719 min
Delta R.T.: -0.002 min
Response: 628085733
Conc: 10.86 ng/ml



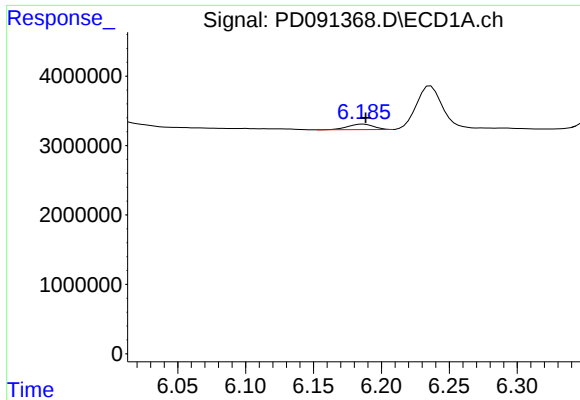
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 28184050
Conc: 9.70 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 258591044
Conc: 10.76 ng/ml



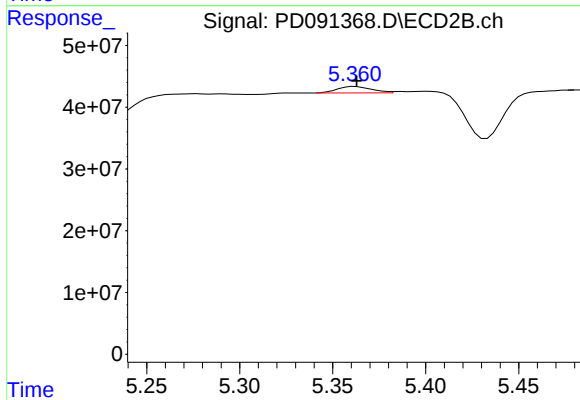
#12 4,4'-DDE

R.T.: 6.187 min
Delta R.T.: -0.002 min
Response: 1043307
Conc: 0.18 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

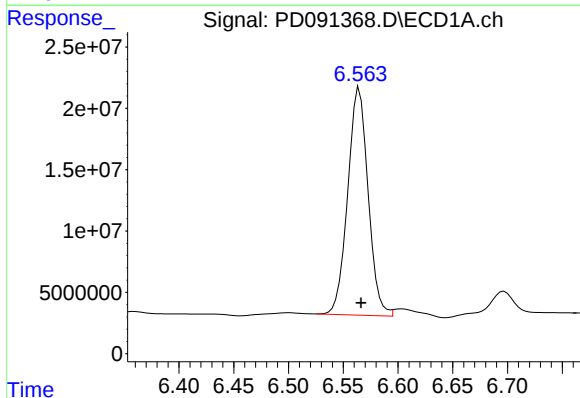
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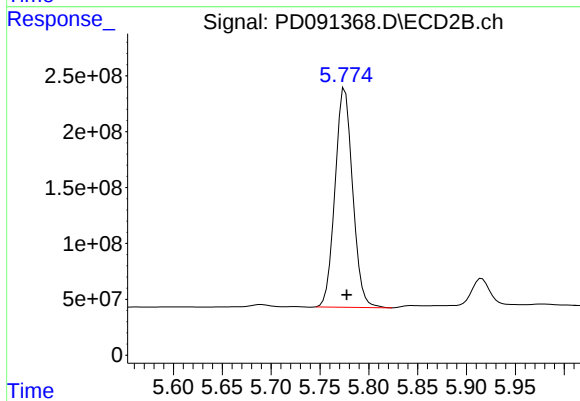
#12 4,4'-DDE

R.T.: 5.360 min
Delta R.T.: -0.003 min
Response: 13381206
Conc: 0.25 ng/ml m



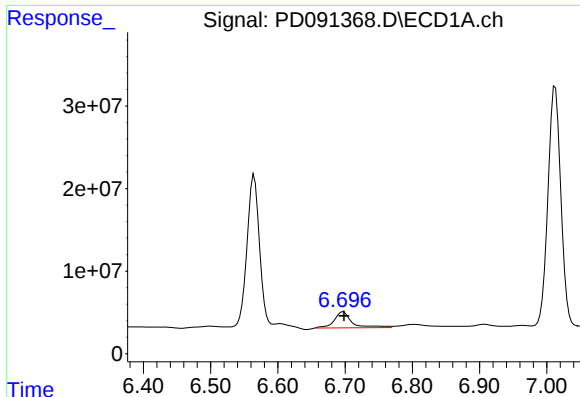
#14 Endrin

R.T.: 6.565 min
Delta R.T.: -0.001 min
Response: 240171679
Conc: 48.39 ng/ml



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.002 min
Response: 2465691715
Conc: 54.56 ng/ml



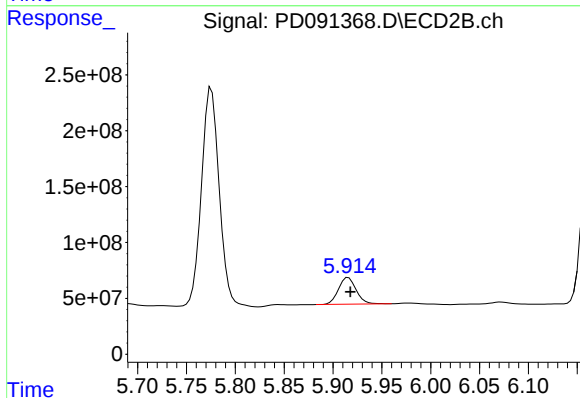
#16 4,4'-DDD

R.T.: 6.697 min
Delta R.T.: -0.002 min
Response: 35401040
Conc: 7.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

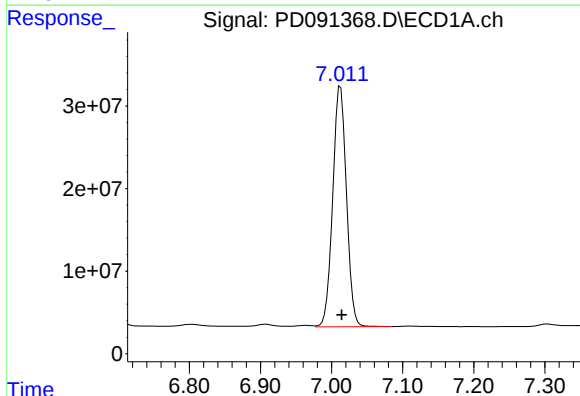
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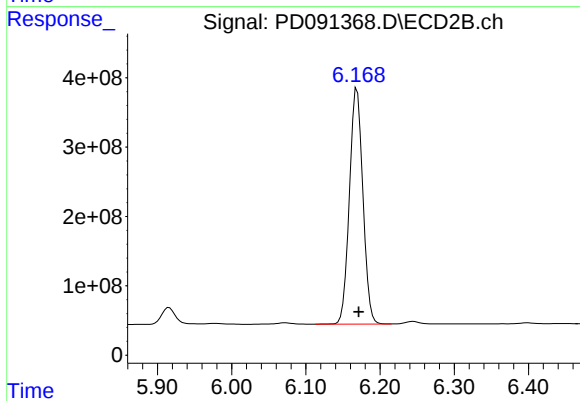
#16 4,4'-DDD

R.T.: 5.916 min
Delta R.T.: -0.002 min
Response: 301535633
Conc: 6.17 ng/ml



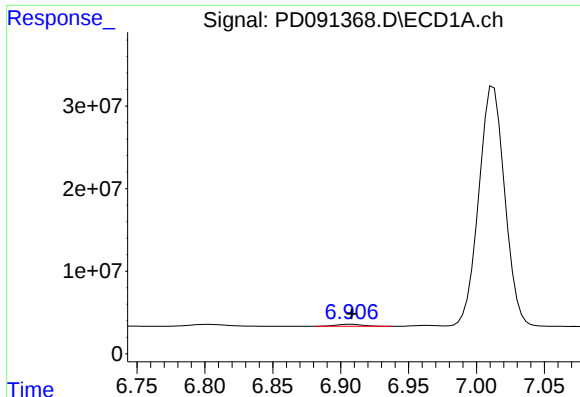
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 390303777
Conc: 94.38 ng/ml



#17 4,4'-DDT

R.T.: 6.169 min
Delta R.T.: -0.002 min
Response: 4277214205
Conc: 109.30 ng/ml



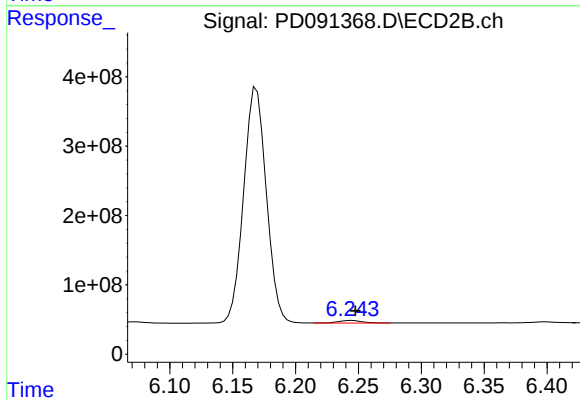
#18 Endrin aldehyde

R.T.: 6.906 min
Delta R.T.: -0.002 min
Response: 3236854
Conc: 0.78 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

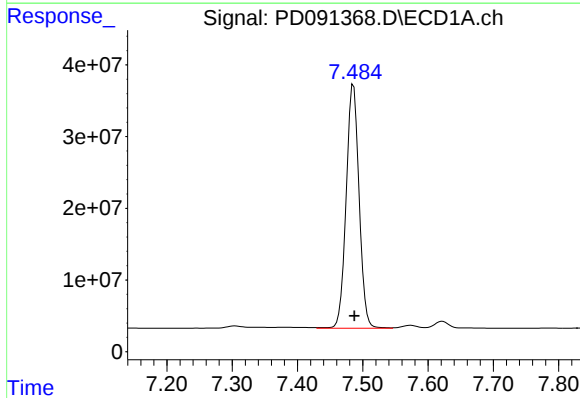
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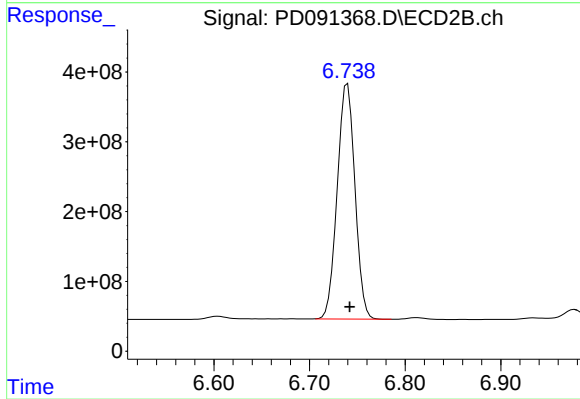
#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.003 min
Response: 48719022
Conc: 1.38 ng/ml



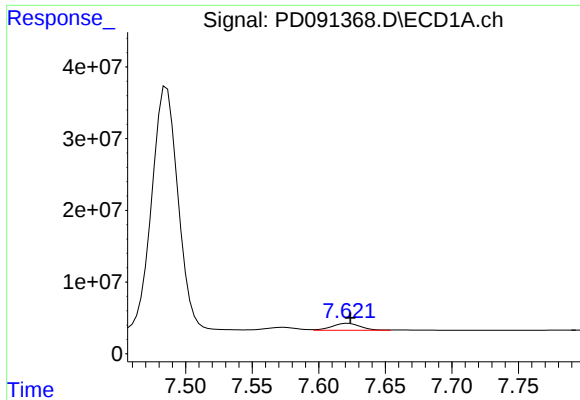
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.001 min
Response: 467345327
Conc: 214.94 ng/ml



#20 Methoxychlor

R.T.: 6.740 min
Delta R.T.: -0.003 min
Response: 4343919745
Conc: 216.64 ng/ml



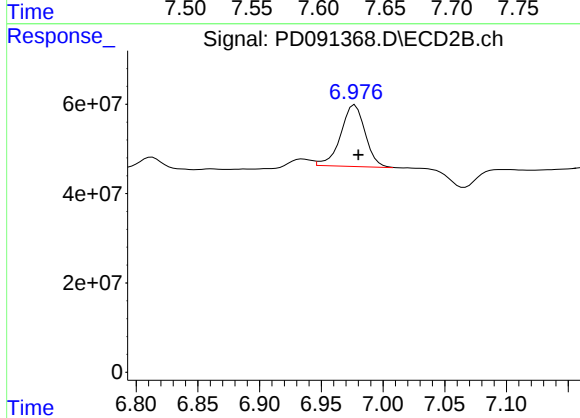
#21 Endrin ketone

R.T.: 7.622 min
Delta R.T.: -0.002 min
Response: 14158926
Conc: 2.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

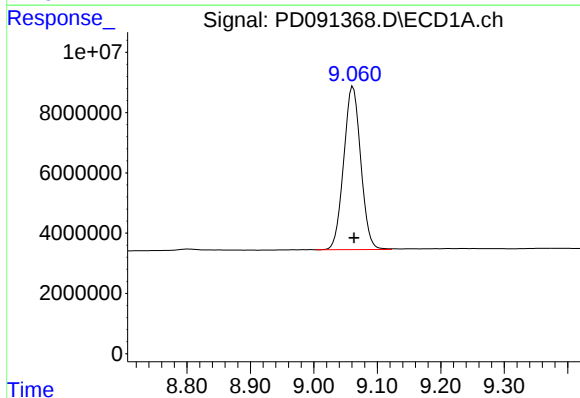
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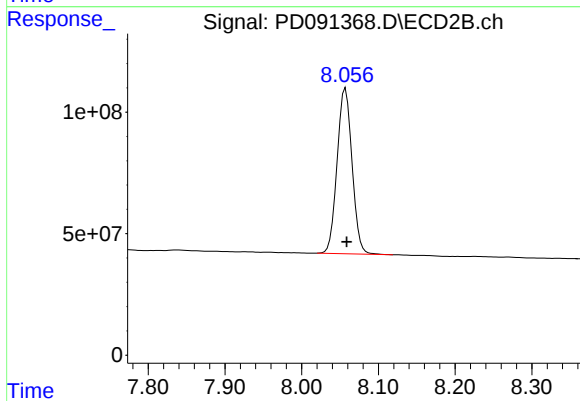
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.004 min
Response: 190252546
Conc: 3.73 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: -0.002 min
Response: 100916182
Conc: 20.26 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.057 min
Delta R.T.: -0.002 min
Response: 923130370
Conc: 23.33 ng/ml