

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
 Data File : PD091051.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 Nov 2025 09:13
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 11/12/2025
 Supervised By :Yogesh Patel 11/12/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 12 00:18:26 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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 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	69332731	749.1E6	22.264	25.157
28)	SA Decachlor...	9.067	8.061	94015428	728.1E6	20.098	24.038
Target Compounds							
2)	A alpha-BHC	3.993	3.386	68560854	627.4E6	9.553	12.278 #
3)	MA gamma-BHC...	4.324	3.722	66269563	582.0E6	9.747	12.318 #
6)	B beta-BHC	4.512	4.018	28037251	247.3E6	10.703	12.472
12)	B 4,4'-DDE	6.189	5.366	595207	5887475	0.112	0.134
14)	MA Endrin	6.568	5.779	238.9E6	2209.2E6	48.231	54.556
16)	A 4,4'-DDD	6.700	5.920	16942306	192.1E6	4.179	5.273 #
17)	MA 4,4'-DDT	7.016	6.173	409.2E6	3855.9E6	99.552	109.940
18)	B Endrin al...	6.909	6.248	2172293	36902757	0.593m	1.333 #
20)	A Methoxychlor	7.489	6.744	495.2E6	3915.6E6	232.973	224.673
21)	B Endrin ke...	7.626	6.982	9119276	96251305	1.877	2.552 #

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

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111125\
Data File : PD091051.D
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Acq On : 11 Nov 2025 09:13
Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

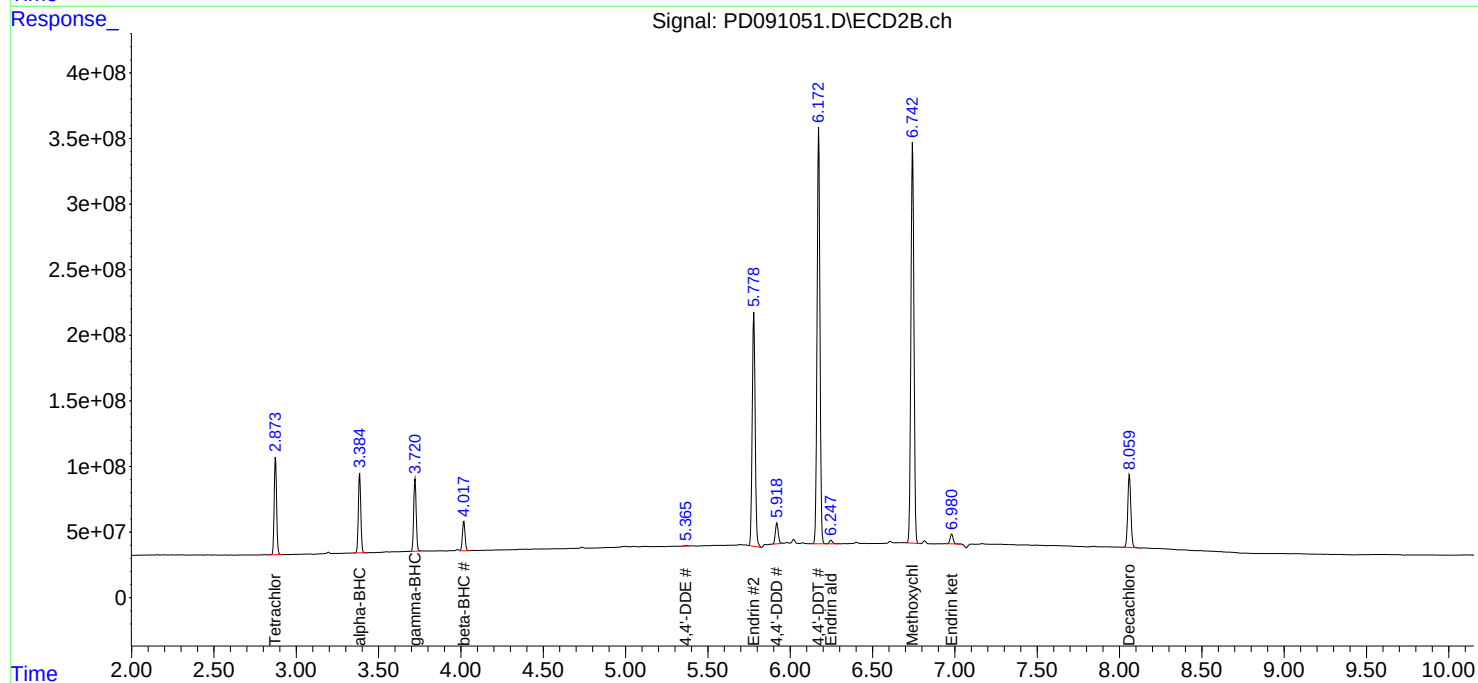
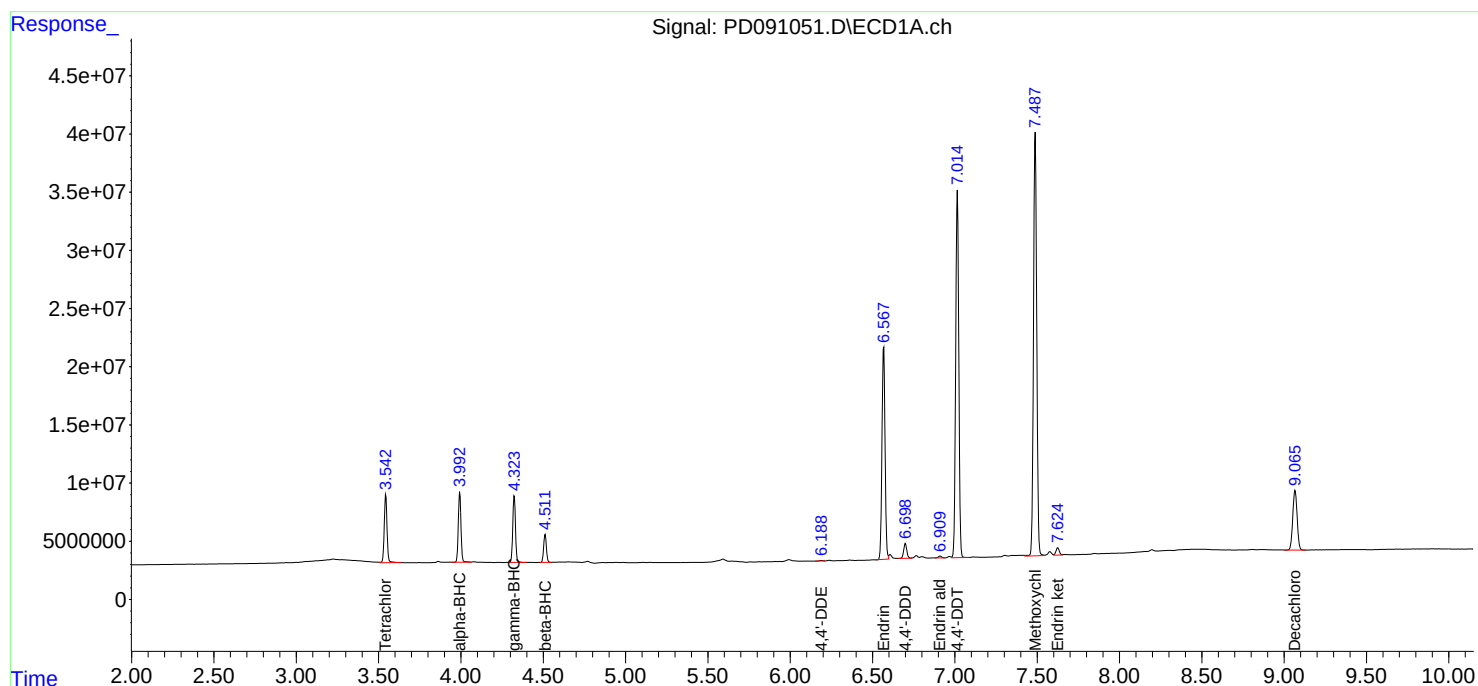
Instrument :
ECD_D
ClientSampleId :
PEM

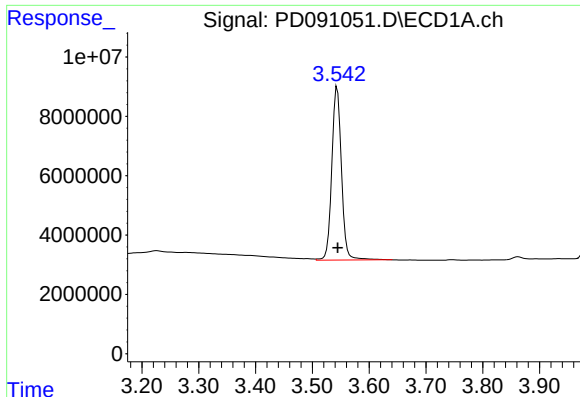
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Integration File signal 1: autoint1.e
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Quant Title : GC Extractables
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Volume Inj. : 1 µl
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Signal #1 Info : 30M x 0.32mm x0.5 Signal #2 Info : 30M x 0.32mm x 0.25µm





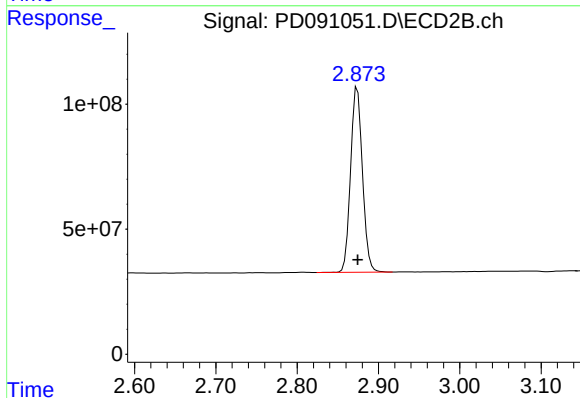
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: -0.001 min
Response: 69332731
Conc: 22.26 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

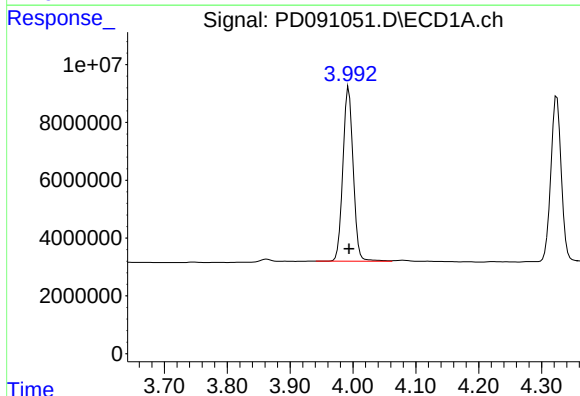
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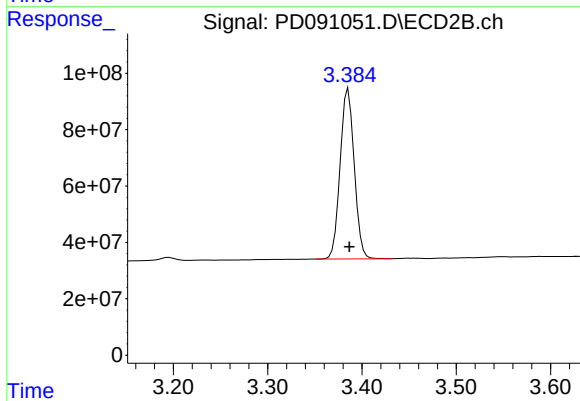
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 749115296
Conc: 25.16 ng/ml



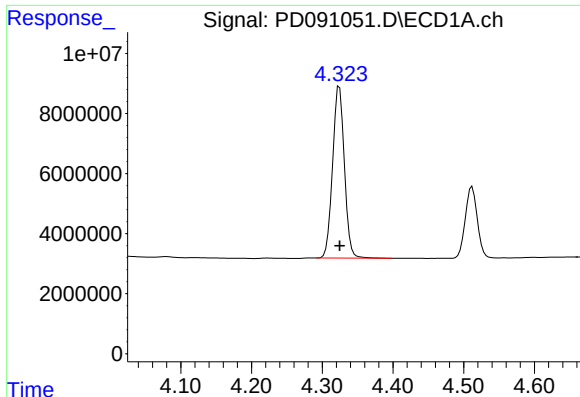
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 68560854
Conc: 9.55 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 627354169
Conc: 12.28 ng/ml



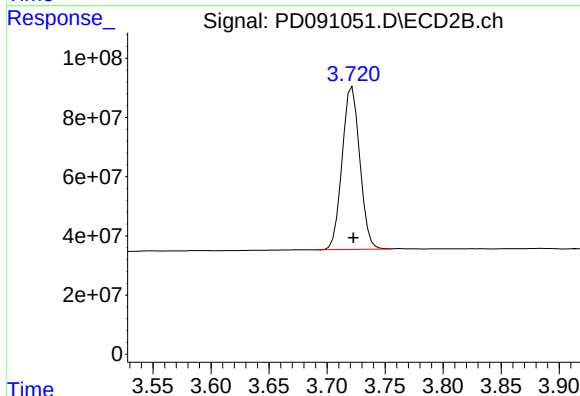
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 66269563
Conc: 9.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

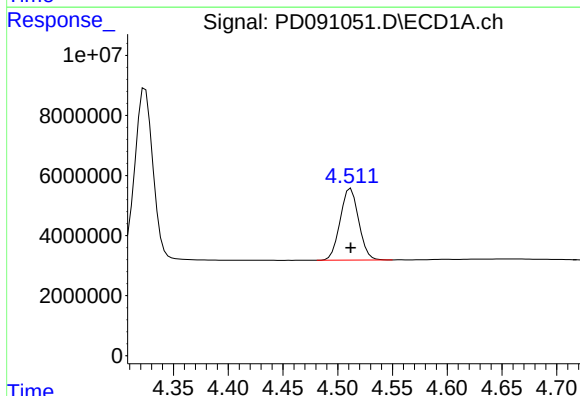
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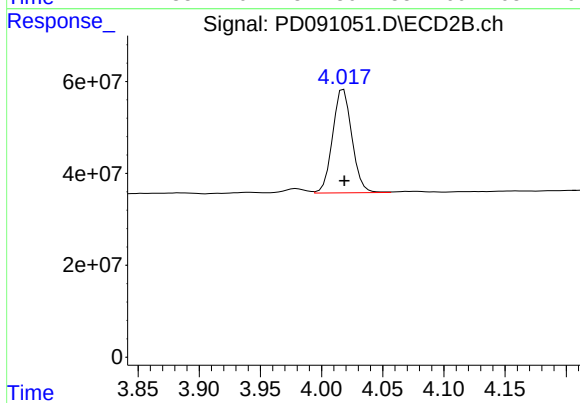
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 582007813
Conc: 12.32 ng/ml



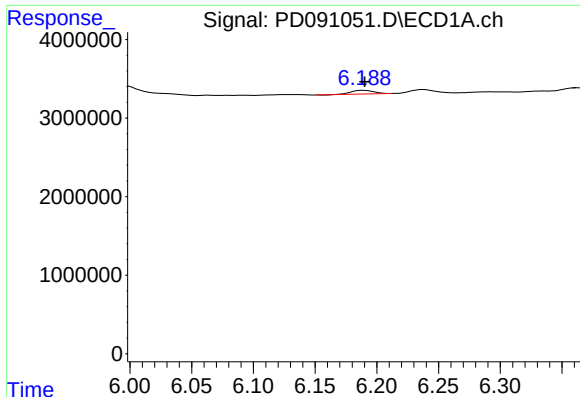
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 28037251
Conc: 10.70 ng/ml



#6 beta-BHC

R.T.: 4.018 min
Delta R.T.: 0.000 min
Response: 247315854
Conc: 12.47 ng/ml



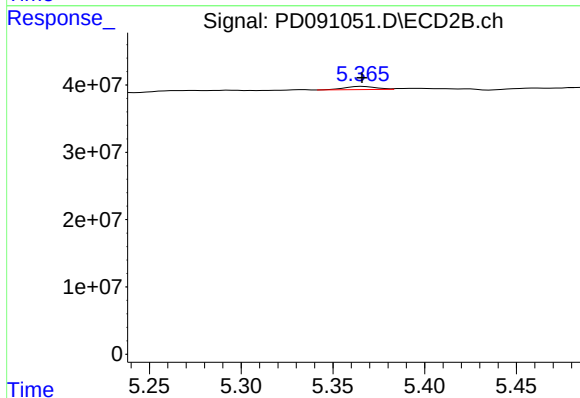
#12 4,4'-DDE

R.T.: 6.189 min
Delta R.T.: 0.000 min
Response: 595207
Conc: 0.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

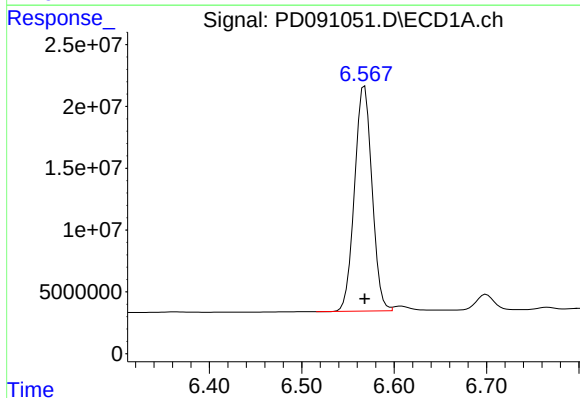
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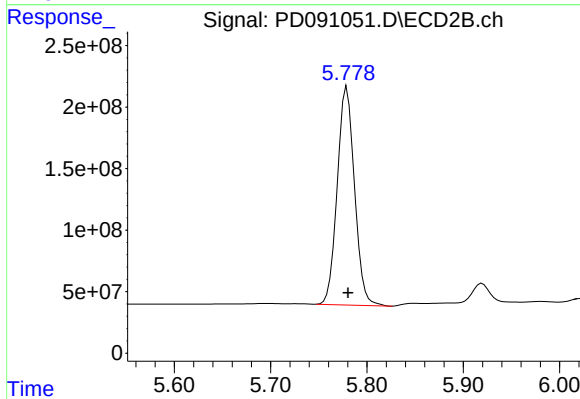
#12 4,4'-DDE

R.T.: 5.366 min
Delta R.T.: 0.000 min
Response: 5887475
Conc: 0.13 ng/ml



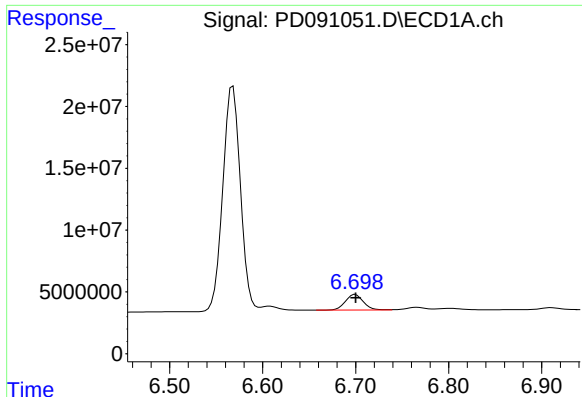
#14 Endrin

R.T.: 6.568 min
Delta R.T.: 0.000 min
Response: 238923770
Conc: 48.23 ng/ml



#14 Endrin

R.T.: 5.779 min
Delta R.T.: -0.001 min
Response: 2209178682
Conc: 54.56 ng/ml



#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 16942306
Conc: 4.18 ng/ml

Instrument :

ECD_D

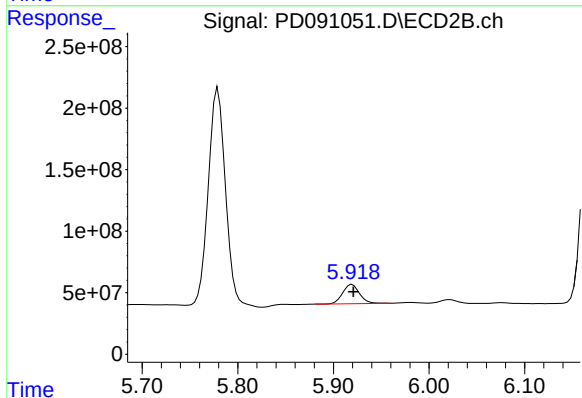
ClientSampleId :

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Manual Integrations

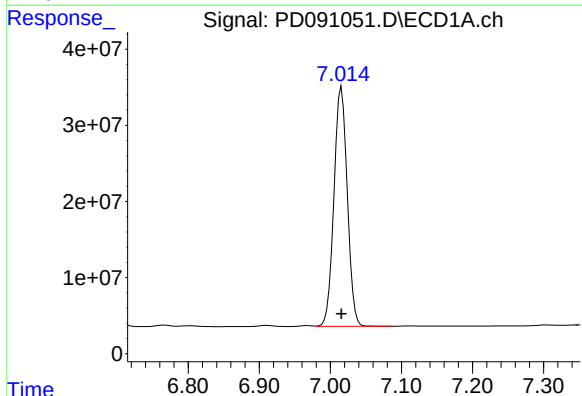
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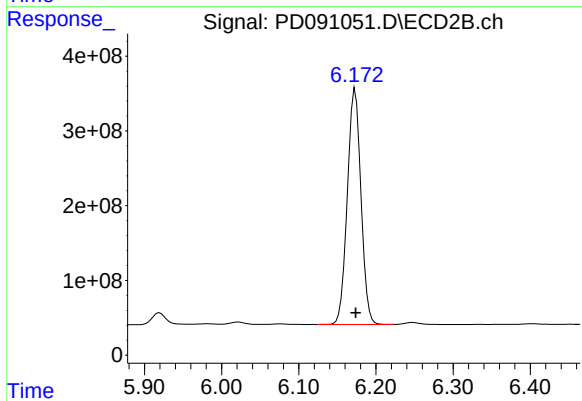
#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 192136440
Conc: 5.27 ng/ml



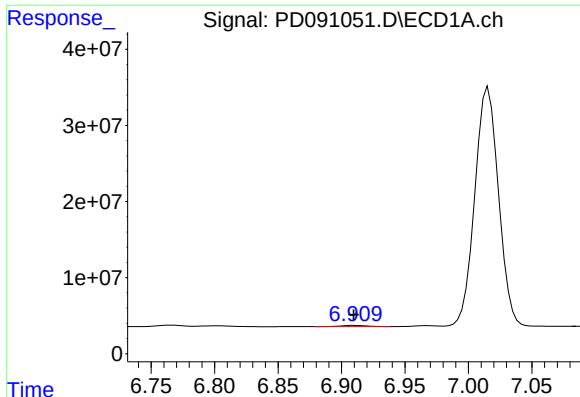
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 409207691
Conc: 99.55 ng/ml



#17 4,4'-DDT

R.T.: 6.173 min
Delta R.T.: 0.000 min
Response: 3855940198
Conc: 109.94 ng/ml



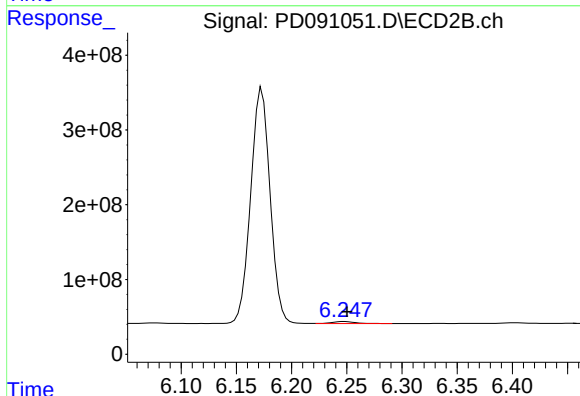
#18 Endrin aldehyde

R.T.: 6.909 min
Delta R.T.: 0.000 min
Response: 2172293
Conc: 0.59 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

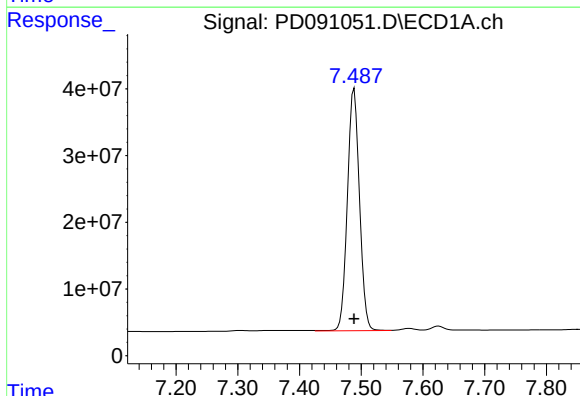
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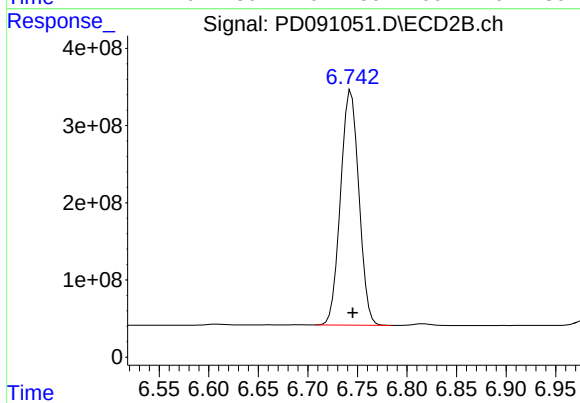
#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.002 min
Response: 36902757
Conc: 1.33 ng/ml



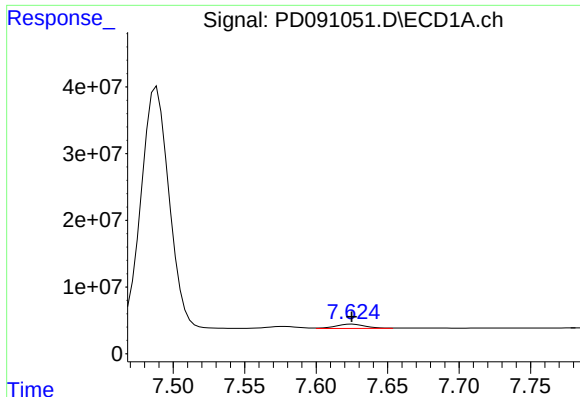
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 495202943
Conc: 232.97 ng/ml



#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 3915554740
Conc: 224.67 ng/ml



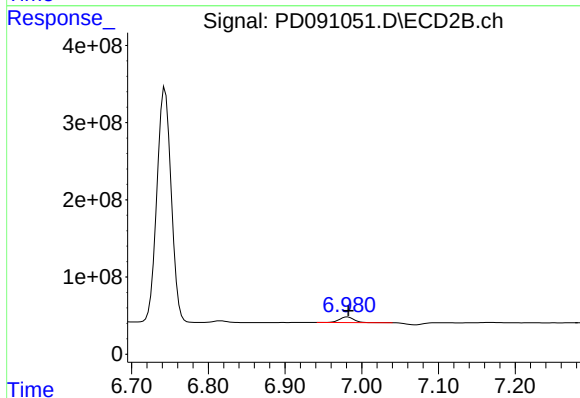
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.000 min
Response: 9119276
Conc: 1.88 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

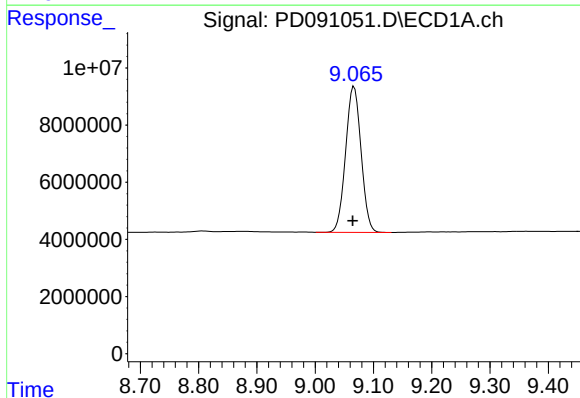
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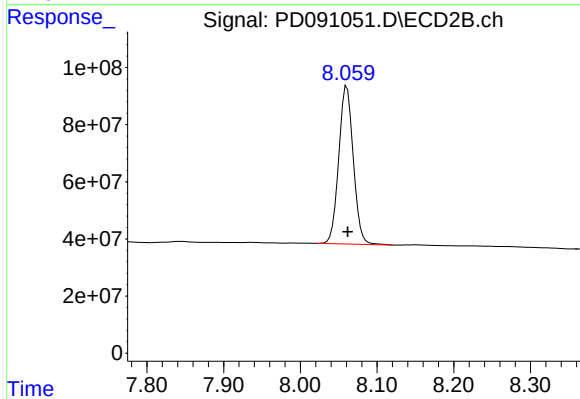
#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.001 min
Response: 96251305
Conc: 2.55 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.003 min
Response: 94015428
Conc: 20.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.001 min
Response: 728134395
Conc: 24.04 ng/ml