

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121225\
 Data File : PD091573.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Dec 2025 11:54
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/15/2025
 Supervised By : Yogesh Patel 12/15/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 13 02:47:59 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...	3.540	2.870	71361749	944.6E6	20.546	23.974
28)	SA Decachlor...	9.059	8.055	99876861	1061.2E6	19.214	25.627 #
Target Compounds							
2)	A alpha-BHC	3.989	3.381	72284190	800.3E6	8.978	11.739 #
3)	MA gamma-BHC...	4.319	3.717	70303663	740.0E6	9.354	13.161 #
6)	B beta-BHC	4.508	4.014	29822636	308.5E6	10.330	12.875
14)	MA Endrin	6.563	5.774	267.2E6	2896.3E6	47.649	55.403
16)	A 4,4'-DDD	6.695	5.915	12668679	127.3E6	2.752	2.798
17)	MA 4,4'-DDT	7.011	6.168	472.5E6	5465.9E6	91.623	115.317 #
18)	B Endrin al...	6.905	6.241	1883666	34619321	0.451m	0.970m#
20)	A Methoxychlor	7.484	6.738	561.6E6	5288.6E6	208.920	224.111
21)	B Endrin ke...	7.621	6.976	8685754	96085615	1.542	1.975 #

(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

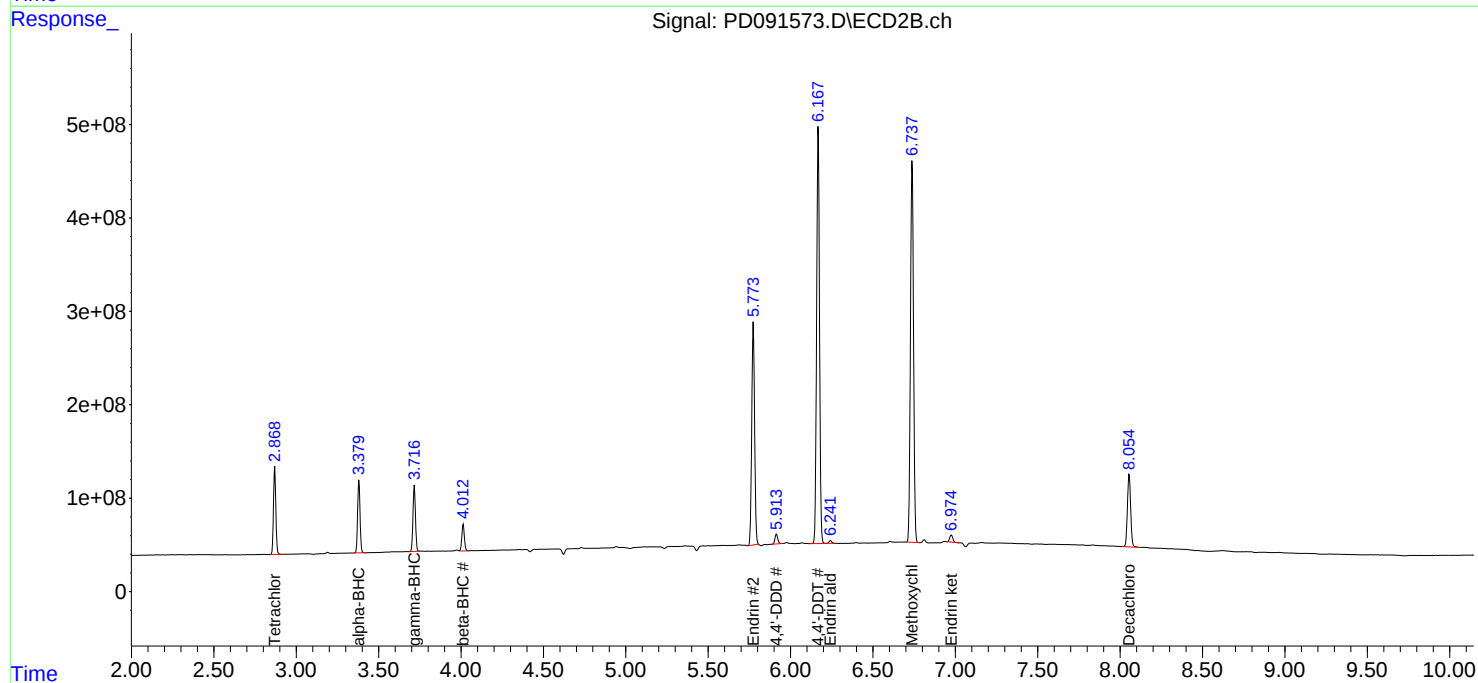
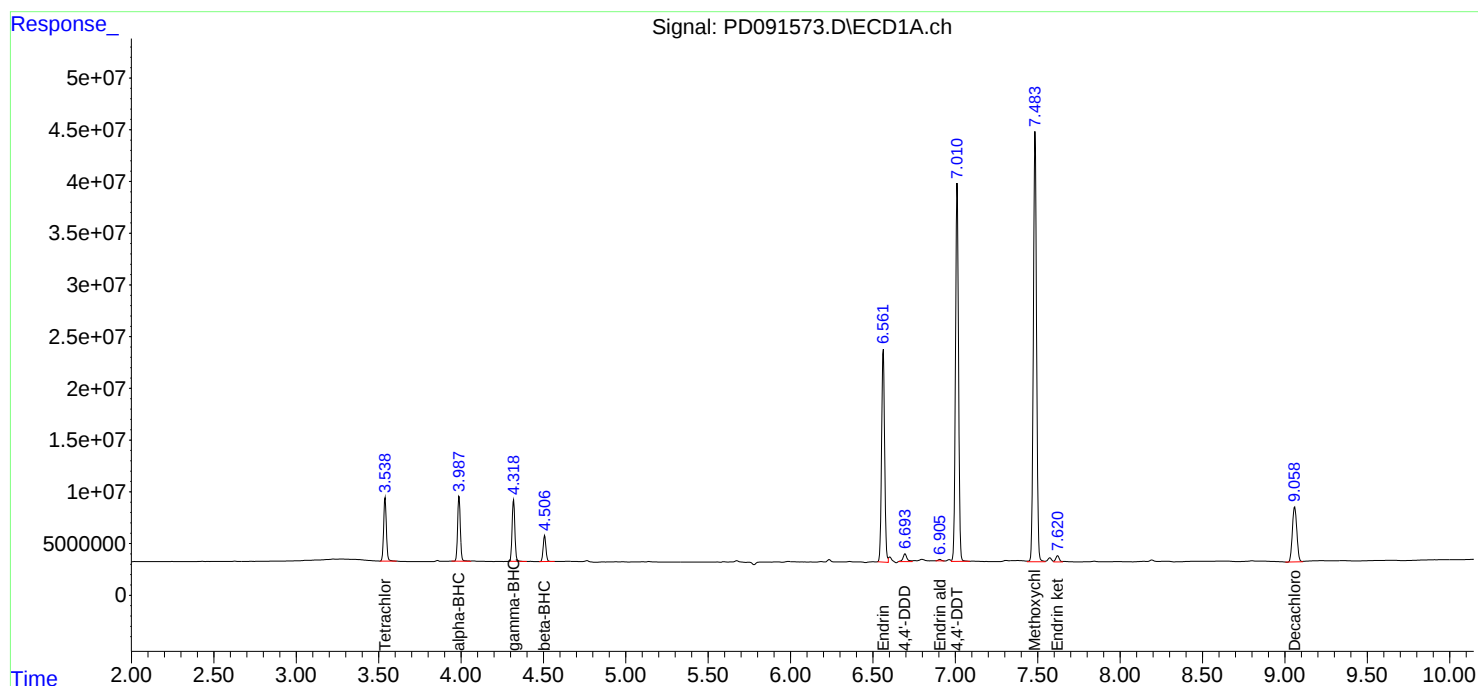
Instrument :
ECD_D
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PEM

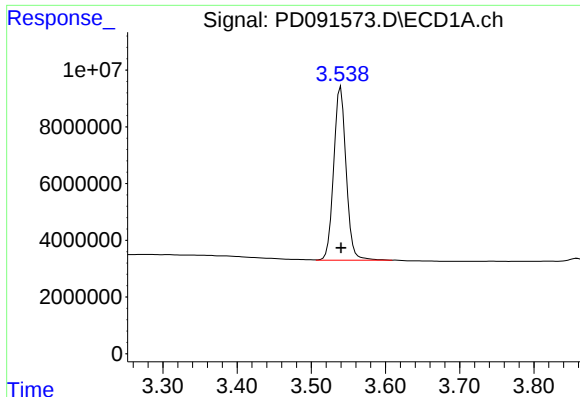
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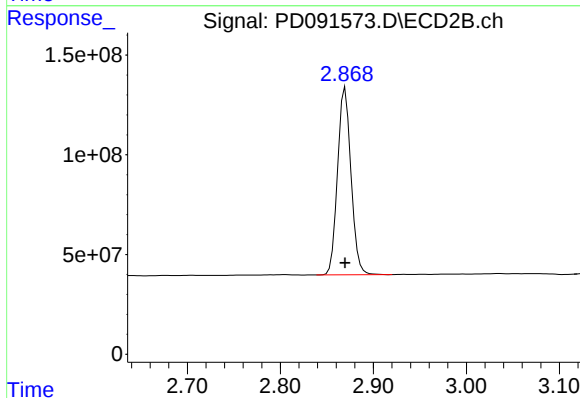
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 71361749
Conc: 20.55 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

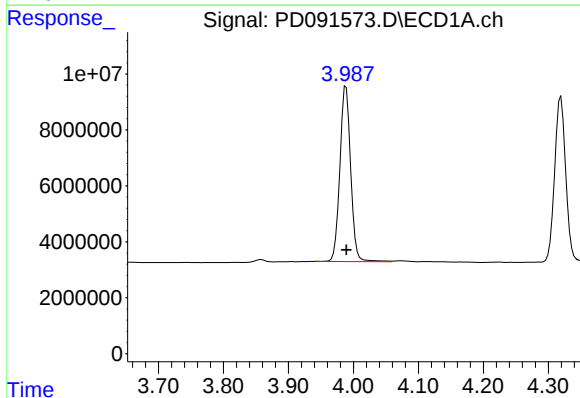
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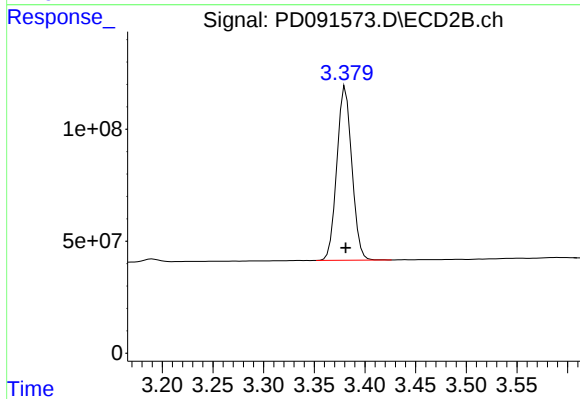
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: 0.000 min
Response: 944644770
Conc: 23.97 ng/ml



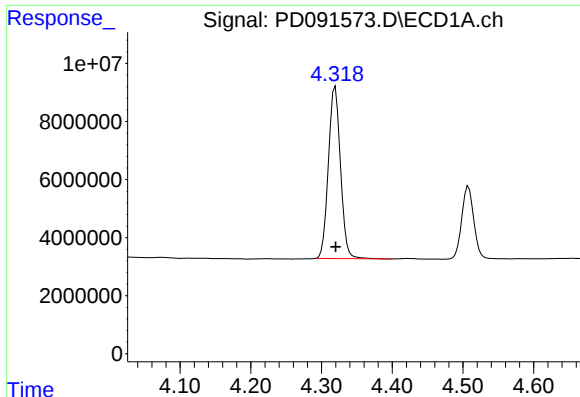
#2 alpha-BHC

R.T.: 3.989 min
Delta R.T.: 0.000 min
Response: 72284190
Conc: 8.98 ng/ml



#2 alpha-BHC

R.T.: 3.381 min
Delta R.T.: 0.000 min
Response: 800318537
Conc: 11.74 ng/ml



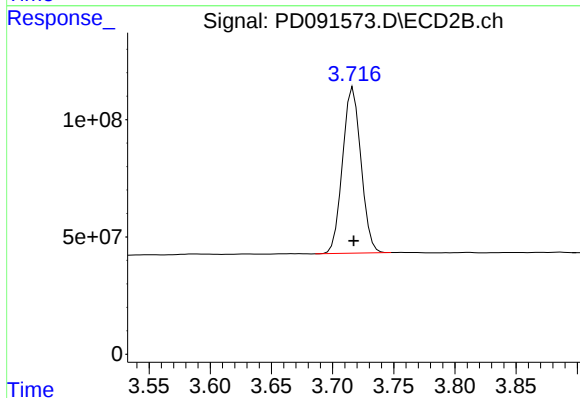
#3 gamma-BHC (Lindane)

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 70303663
Conc: 9.35 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

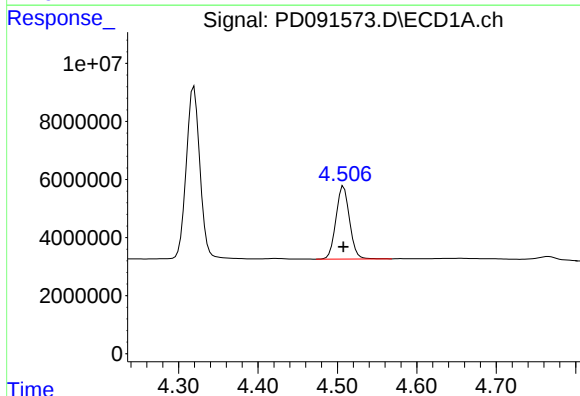
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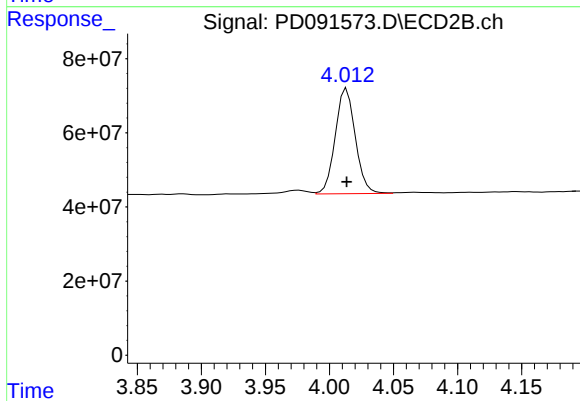
#3 gamma-BHC (Lindane)

R.T.: 3.717 min
Delta R.T.: 0.000 min
Response: 740008297
Conc: 13.16 ng/ml



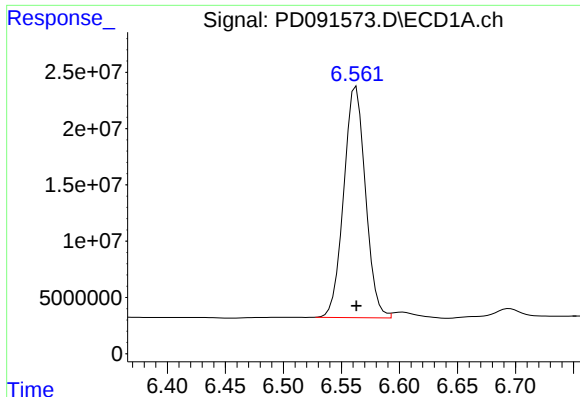
#6 beta-BHC

R.T.: 4.508 min
Delta R.T.: 0.000 min
Response: 29822636
Conc: 10.33 ng/ml



#6 beta-BHC

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 308460882
Conc: 12.87 ng/ml



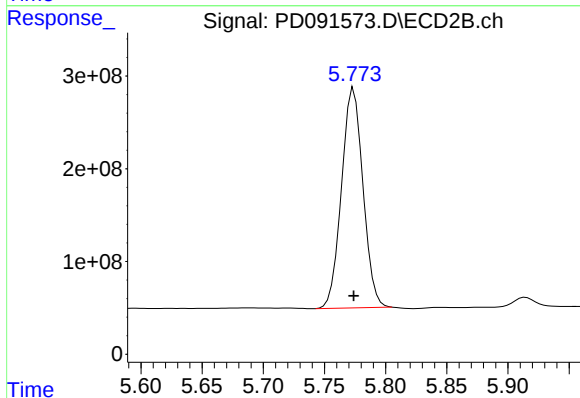
#14 Endrin

R.T.: 6.563 min
Delta R.T.: 0.000 min
Response: 267227839
Conc: 47.65 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

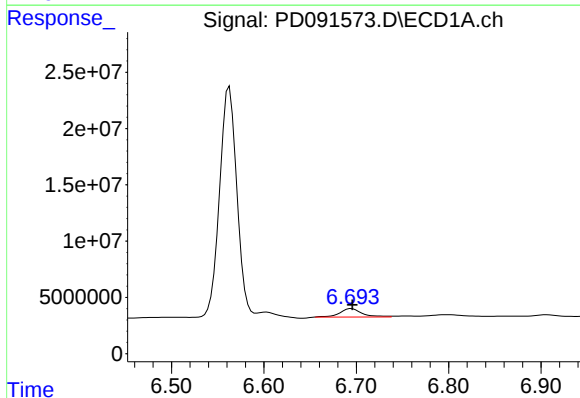
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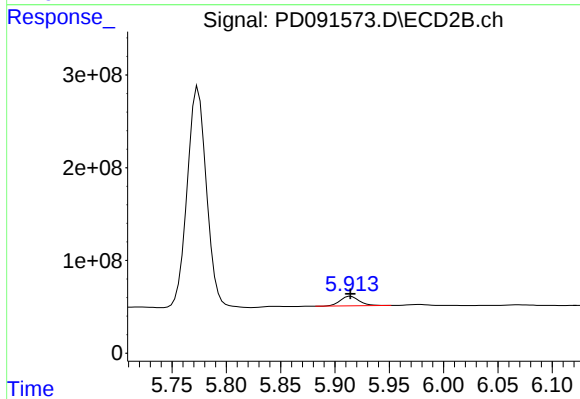
#14 Endrin

R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 2896341263
Conc: 55.40 ng/ml



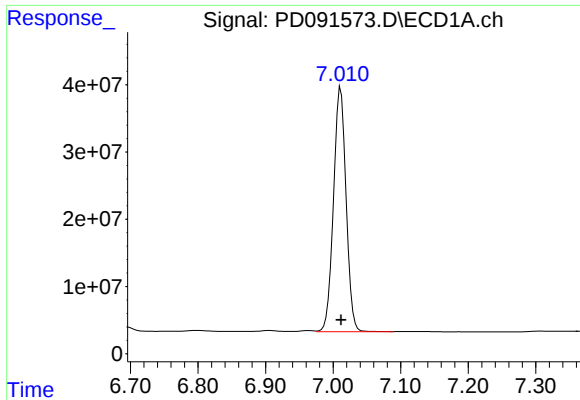
#16 4,4'-DDD

R.T.: 6.695 min
Delta R.T.: 0.000 min
Response: 12668679
Conc: 2.75 ng/ml



#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: 0.000 min
Response: 127258723
Conc: 2.80 ng/ml



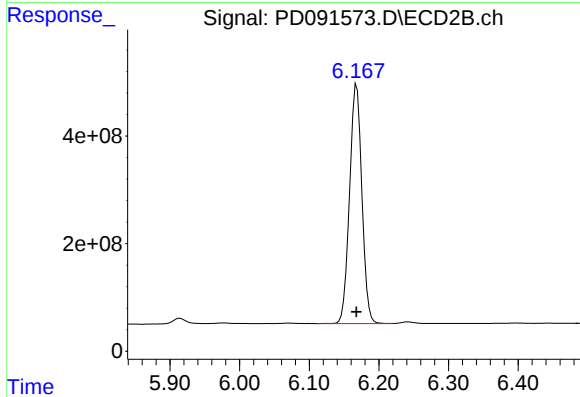
#17 4,4'-DDT

R.T.: 7.011 min
Delta R.T.: 0.000 min
Response: 472450292
Conc: 91.62 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

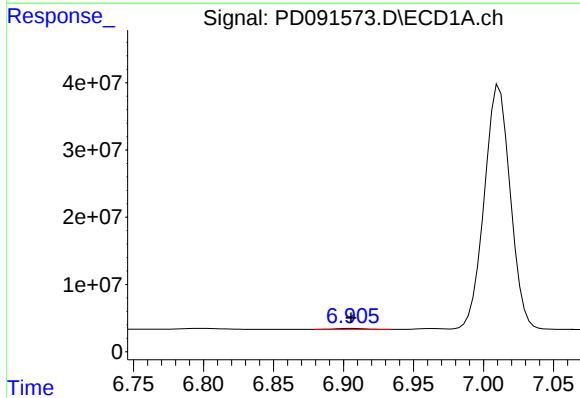
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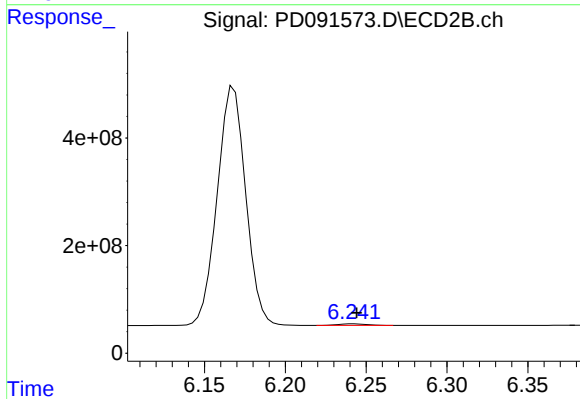
#17 4,4'-DDT

R.T.: 6.168 min
Delta R.T.: 0.000 min
Response: 5465871945
Conc: 115.32 ng/ml



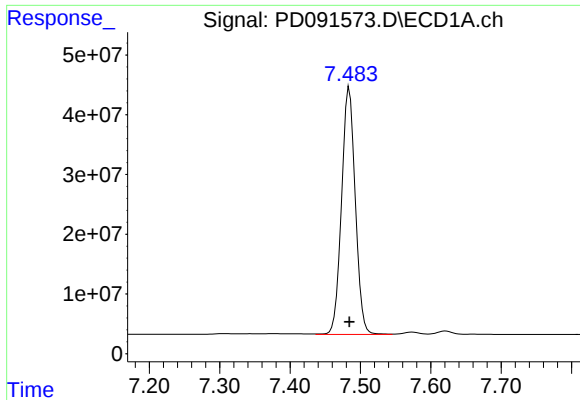
#18 Endrin aldehyde

R.T.: 6.905 min
Delta R.T.: 0.000 min
Response: 1883666
Conc: 0.45 ng/ml m



#18 Endrin aldehyde

R.T.: 6.241 min
Delta R.T.: -0.003 min
Response: 34619321
Conc: 0.97 ng/ml m



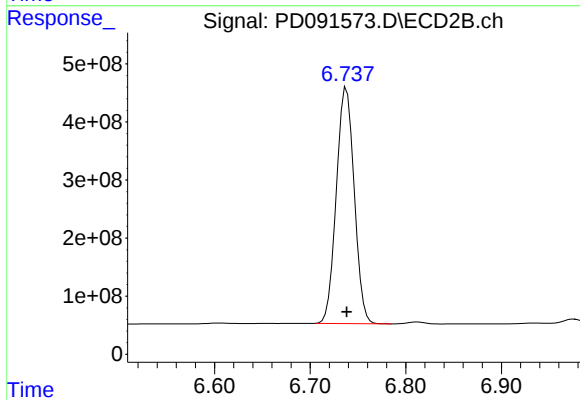
#20 Methoxychlor

R.T.: 7.484 min
Delta R.T.: 0.000 min
Response: 561572088
Conc: 208.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

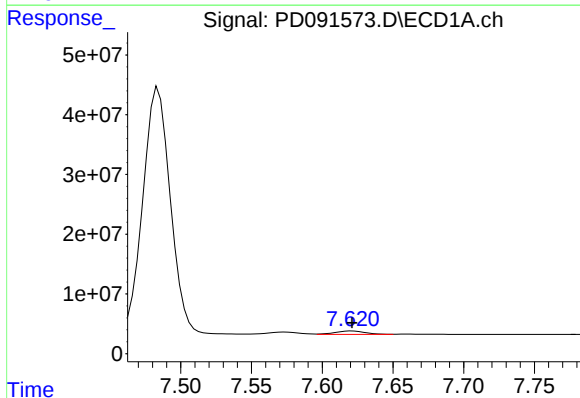
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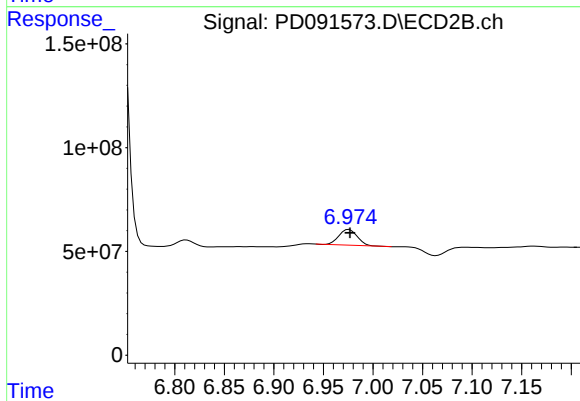
#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 5288590705
Conc: 224.11 ng/ml



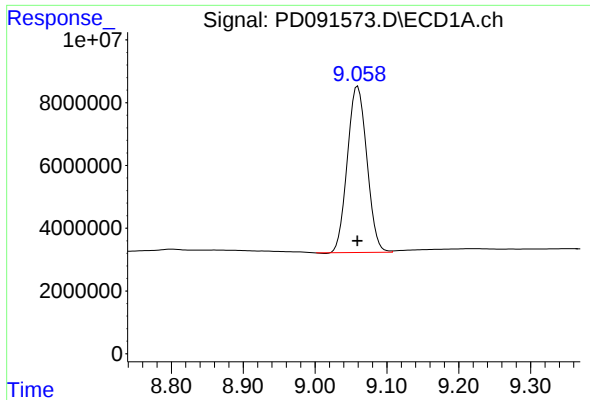
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: 0.000 min
Response: 8685754
Conc: 1.54 ng/ml



#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.001 min
Response: 96085615
Conc: 1.98 ng/ml



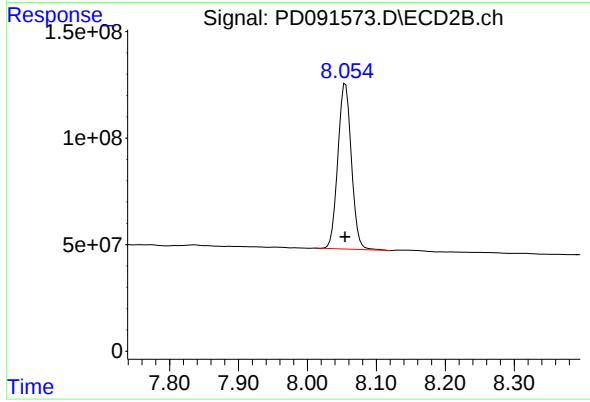
#28 Decachlorobiphenyl

R.T.: 9.059 min
Delta R.T.: 0.000 min
Response: 99876861
Conc: 19.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
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#28 Decachlorobiphenyl

R.T.: 8.055 min
Delta R.T.: 0.000 min
Response: 1061235483
Conc: 25.63 ng/ml