

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD120425\
 Data File : PD091449.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 04 Dec 2025 10:27
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 12/05/2025
 Supervised By :mohammad ahmed 12/08/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 05 04:25:28 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...	3.541	2.871	72554149	892.8E6	21.039	24.373
28)	SA Decachlor...	9.061	8.056	103.1E6	938.1E6	20.687	23.704
Target Compounds							
2)	A alpha-BHC	3.990	3.382	71426015	753.9E6	8.933	11.928 #
3)	MA gamma-BHC...	4.321	3.718	68467413	693.2E6	9.162	11.989 #
6)	B beta-BHC	4.509	4.015	29407379	276.4E6	10.121	11.502
12)	B 4,4'-DDE	6.185	5.359	1438470	18300935	0.248	0.342m#
14)	MA Endrin	6.563	5.775	239.6E6	2630.1E6	48.265m	58.198
16)	A 4,4'-DDD	6.696	5.915	49652887	425.4E6	10.110	8.705
17)	MA 4,4'-DDT	7.013	6.168	380.8E6	4258.4E6	92.070	108.819
18)	B Endrin al...	6.905	6.244	4111851	61797548	0.987m	1.751 #
20)	A Methoxychlor	7.486	6.739	453.4E6	4110.8E6	208.542	205.015
21)	B Endrin ke...	7.621	6.976	18101565	213.9E6	3.213	4.197m#

(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

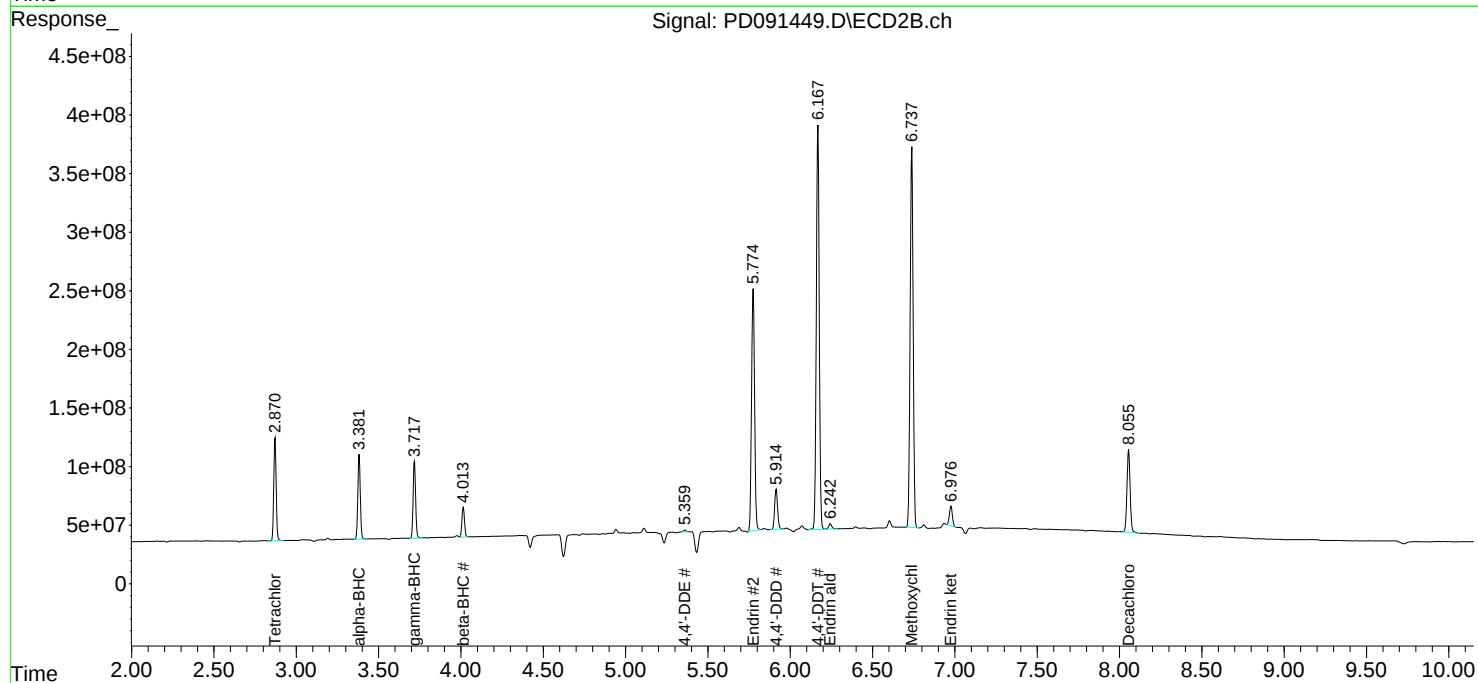
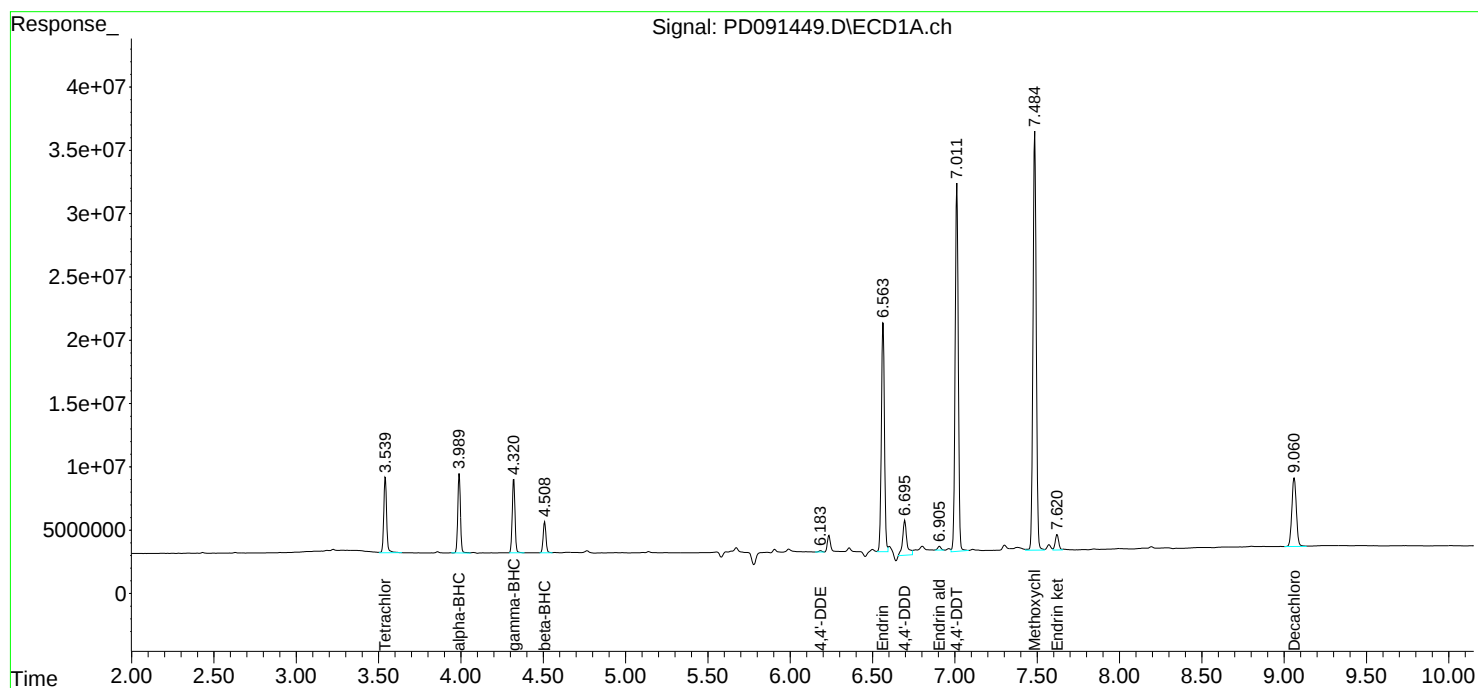
Instrument :
ECD_D
ClientSampleId :
PEM

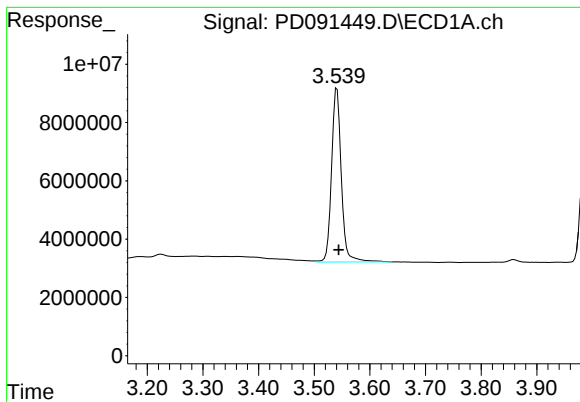
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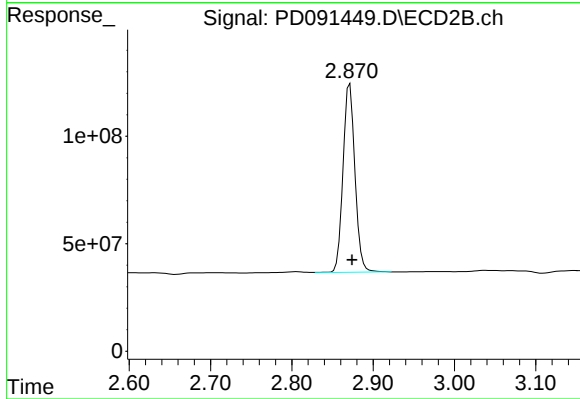
#1 Tetrachloro-m-xylene

R.T.: 3.541 min
Delta R.T.: -0.003 min
Response: 72554149
Conc: 21.04 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

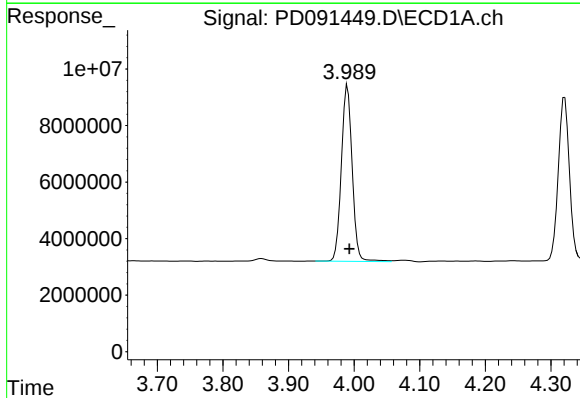
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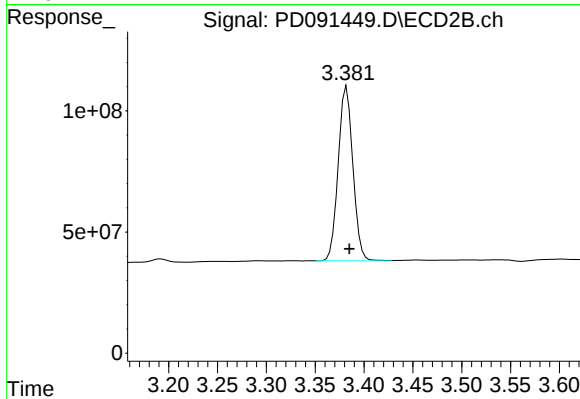
#1 Tetrachloro-m-xylene

R.T.: 2.871 min
Delta R.T.: -0.003 min
Response: 892775604
Conc: 24.37 ng/ml



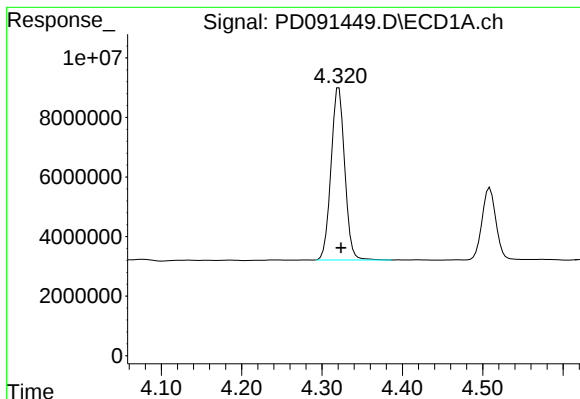
#2 alpha-BHC

R.T.: 3.990 min
Delta R.T.: -0.003 min
Response: 71426015
Conc: 8.93 ng/ml



#2 alpha-BHC

R.T.: 3.382 min
Delta R.T.: -0.003 min
Response: 753865200
Conc: 11.93 ng/ml



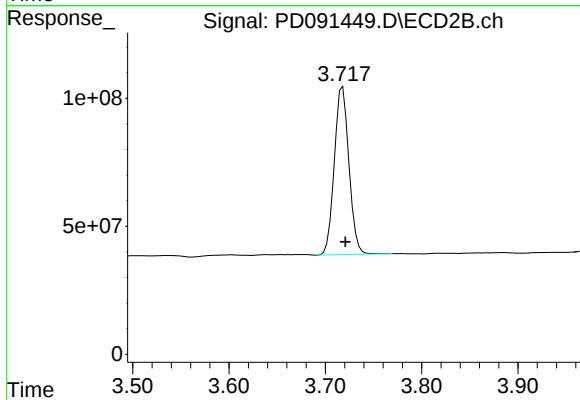
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.003 min
Response: 68467413
Conc: 9.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

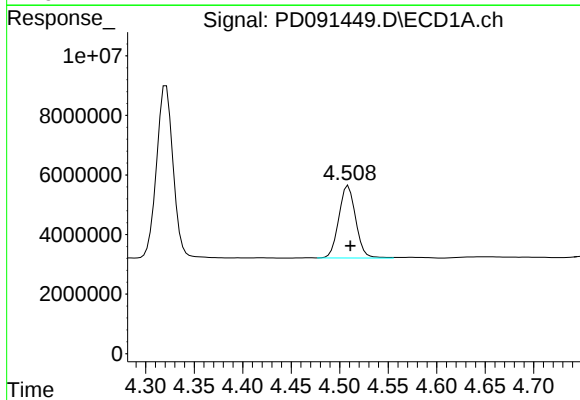
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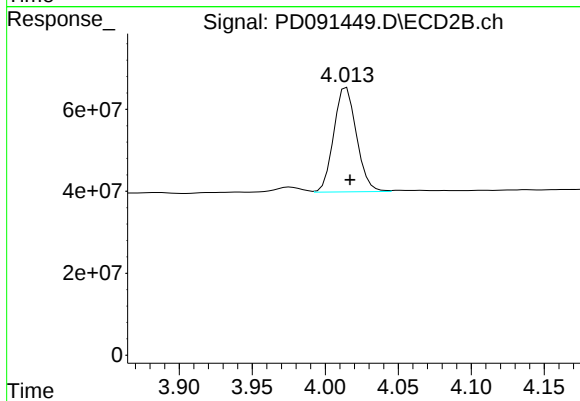
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: -0.003 min
Response: 693195072
Conc: 11.99 ng/ml



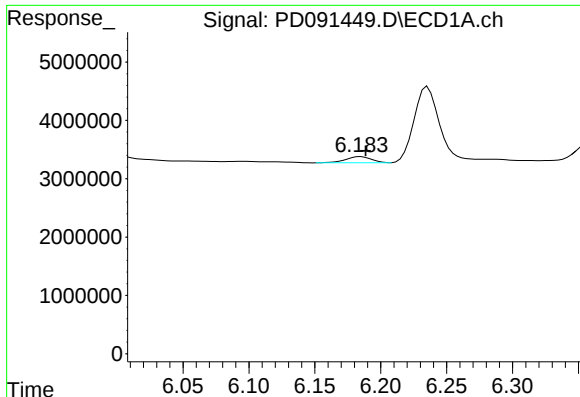
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 29407379
Conc: 10.12 ng/ml



#6 beta-BHC

R.T.: 4.015 min
Delta R.T.: -0.002 min
Response: 276363559
Conc: 11.50 ng/ml



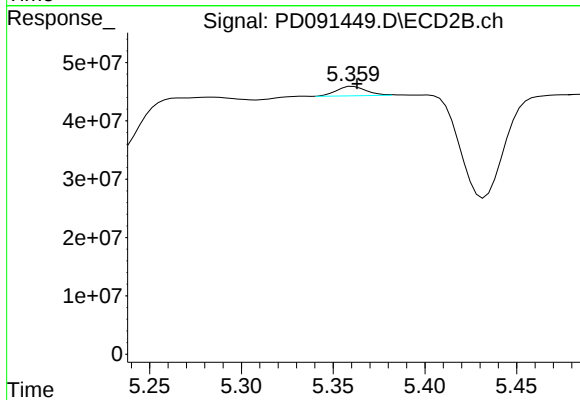
#12 4,4'-DDE

R.T.: 6.185 min
Delta R.T.: -0.004 min
Response: 1438470
Conc: 0.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

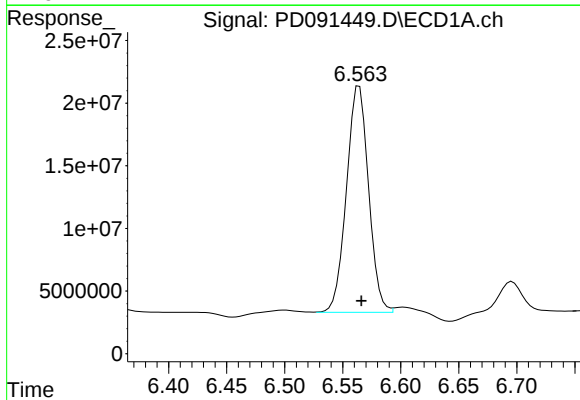
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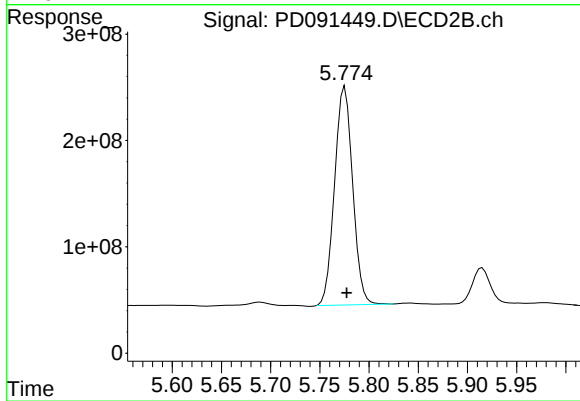
#12 4,4'-DDE

R.T.: 5.359 min
Delta R.T.: -0.003 min
Response: 18300935
Conc: 0.34 ng/ml m



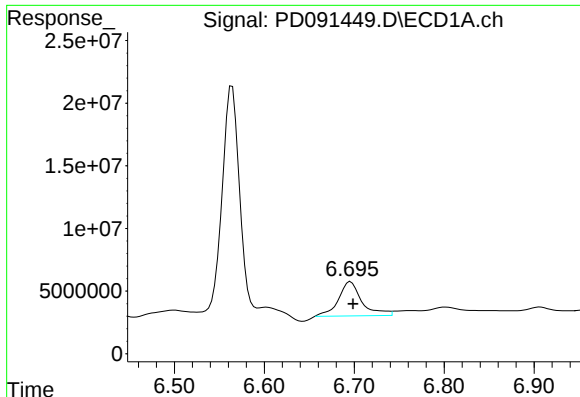
#14 Endrin

R.T.: 6.563 min
Delta R.T.: -0.003 min
Response: 239565087
Conc: 48.27 ng/ml m



#14 Endrin

R.T.: 5.775 min
Delta R.T.: -0.002 min
Response: 2630133783
Conc: 58.20 ng/ml



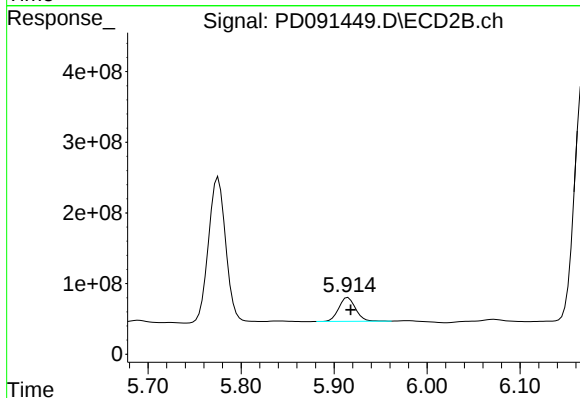
#16 4,4'-DDD

R.T.: 6.696 min
Delta R.T.: -0.002 min
Response: 49652887
Conc: 10.11 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

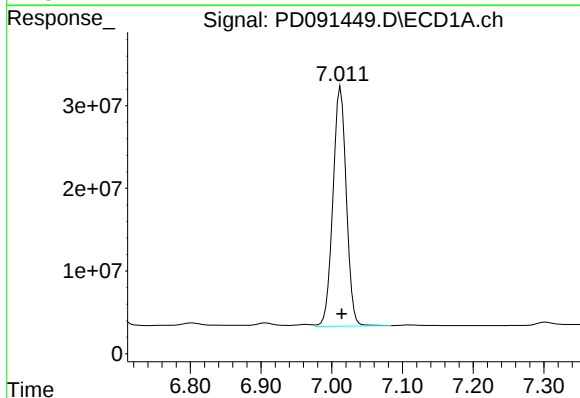
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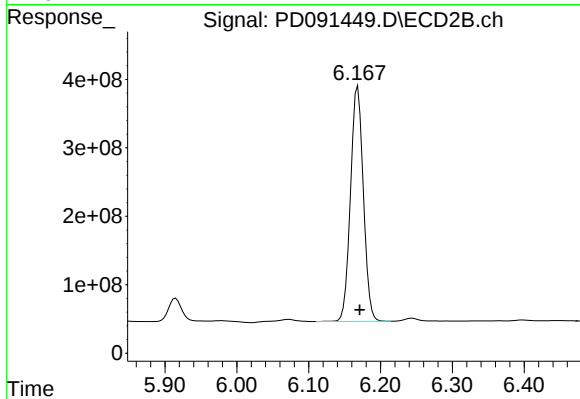
#16 4,4'-DDD

R.T.: 5.915 min
Delta R.T.: -0.003 min
Response: 425403907
Conc: 8.71 ng/ml



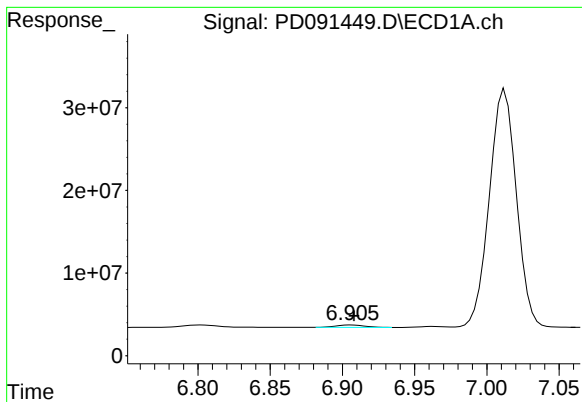
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.002 min
Response: 380755105
Conc: 92.07 ng/ml



#17 4,4'-DDT

R.T.: 6.168 min
Delta R.T.: -0.003 min
Response: 4258380609
Conc: 108.82 ng/ml



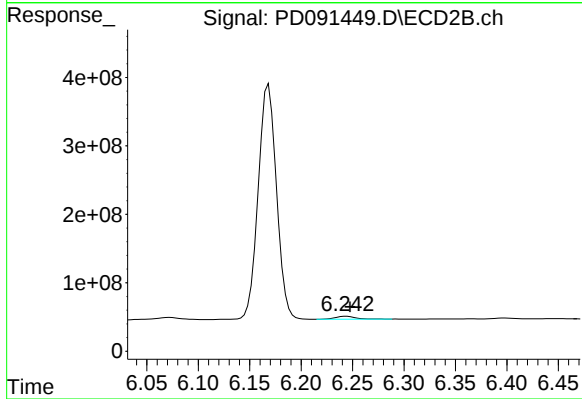
#18 Endrin aldehyde

R.T.: 6.905 min
Delta R.T.: -0.003 min
Response: 4111851
Conc: 0.99 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

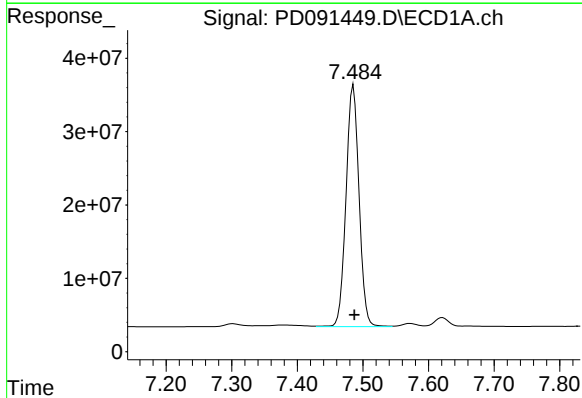
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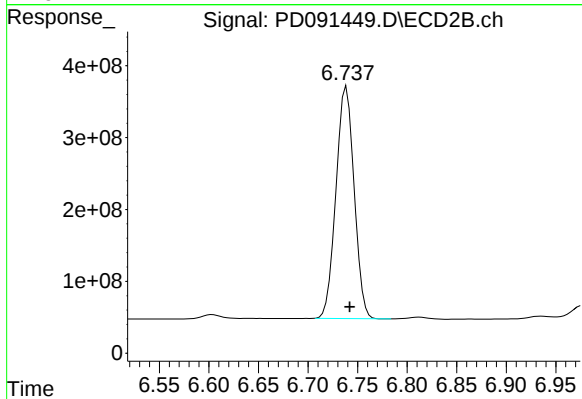
#18 Endrin aldehyde

R.T.: 6.244 min
Delta R.T.: -0.004 min
Response: 61797548
Conc: 1.75 ng/ml



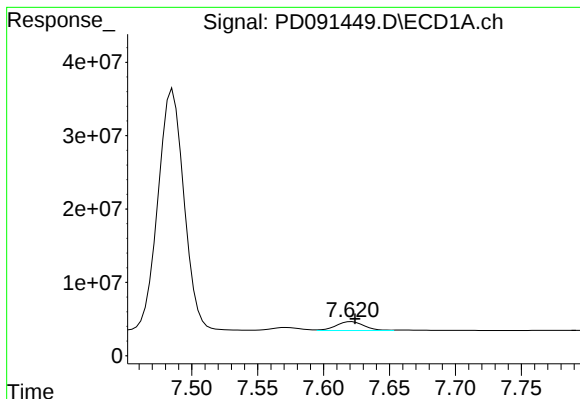
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.002 min
Response: 453439716
Conc: 208.54 ng/ml



#20 Methoxychlor

R.T.: 6.739 min
Delta R.T.: -0.003 min
Response: 4110845328
Conc: 205.02 ng/ml



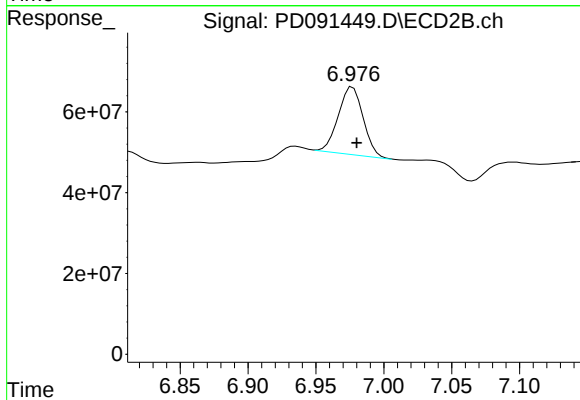
#21 Endrin ketone

R.T.: 7.621 min
Delta R.T.: -0.003 min
Response: 18101565
Conc: 3.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

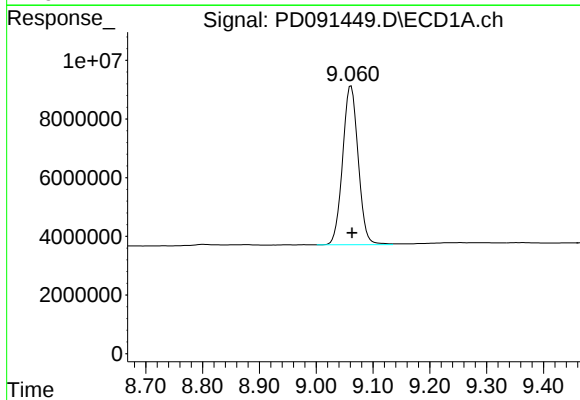
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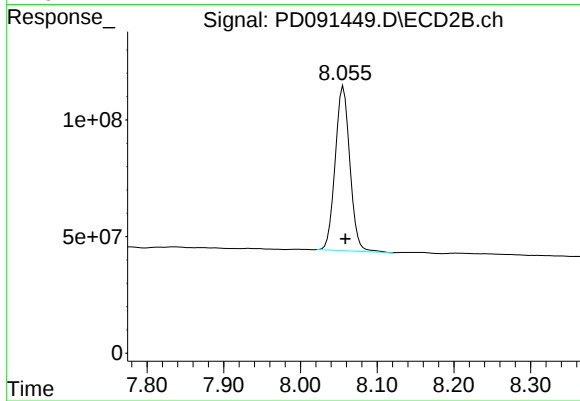
#21 Endrin ketone

R.T.: 6.976 min
Delta R.T.: -0.005 min
Response: 213883631
Conc: 4.20 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.061 min
Delta R.T.: -0.002 min
Response: 103061132
Conc: 20.69 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.056 min
Delta R.T.: -0.003 min
Response: 938082714
Conc: 23.70 ng/ml