

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090432.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 19:40
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/30/2025
 Supervised By :mohammad ahmed 10/01/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 30 02:33:40 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD091825.M
 Quant Title : GC Extractables
 QLast Update : Fri Sep 19 05:52:38 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...	3.545	2.875	62184378	515.4E6	19.131	18.776
28)	SA Decachlor...	9.063	8.062	90898798	601.0E6	18.839	18.542
Target Compounds							
2)	A alpha-BHC	3.994	3.387	58897576	427.5E6	8.433	9.765
3)	MA gamma-BHC...	4.324	3.723	56519854	400.2E6	8.542	9.824
6)	B beta-BHC	4.512	4.019	24143810	170.3E6	9.358	9.821
14)	MA Endrin	6.568	5.781	239.8E6	1655.8E6	48.997	46.209
16)	A 4,4'-DDD	6.701	5.924	942514	11466106	0.230m	0.354m#
17)	MA 4,4'-DDT	7.015	6.174	440.4E6	3093.5E6	98.915	89.982
18)	B Endrin al...	6.920	6.247	830380	13089471	0.242m	0.556 #
20)	A Methoxychlor	7.487	6.745	538.9E6	3314.9E6	228.685	190.506
21)	B Endrin ke...	7.623	6.981	1650617	15183993	0.334m	0.421m#

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

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Sample : PEM
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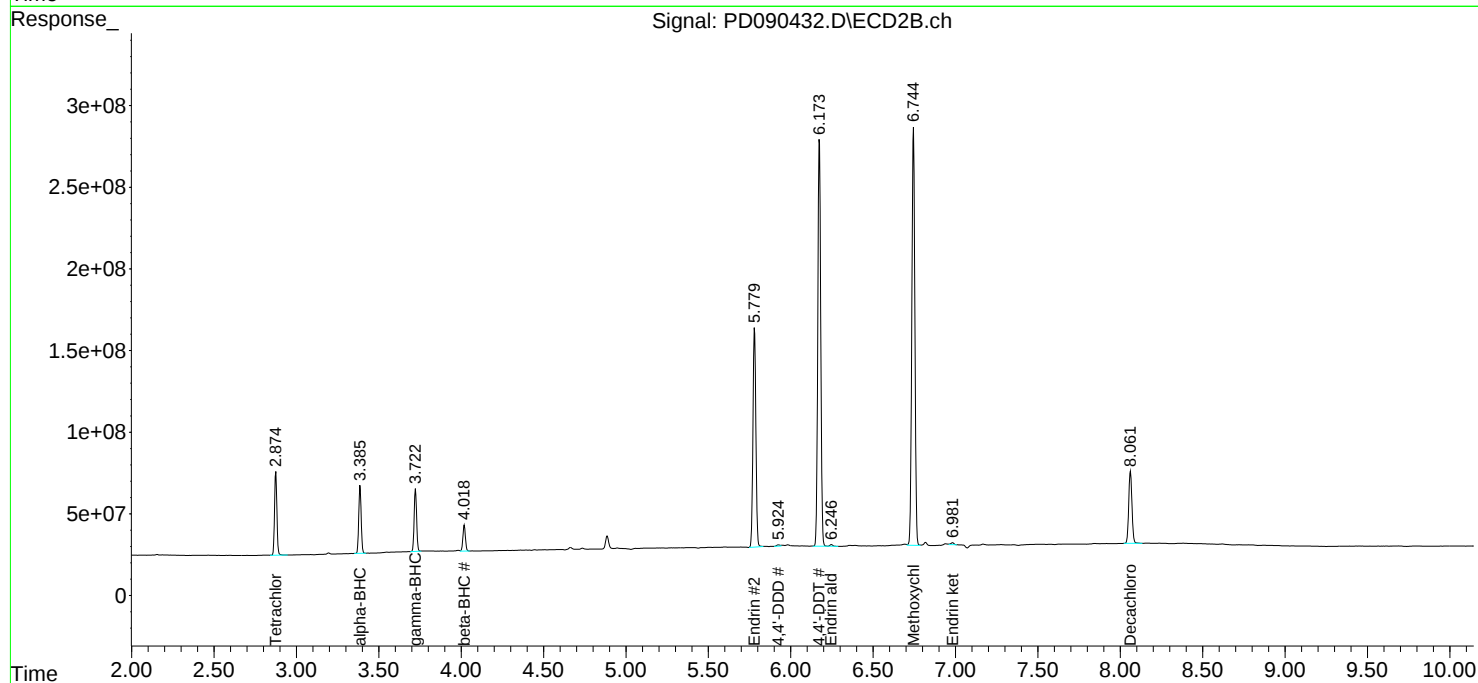
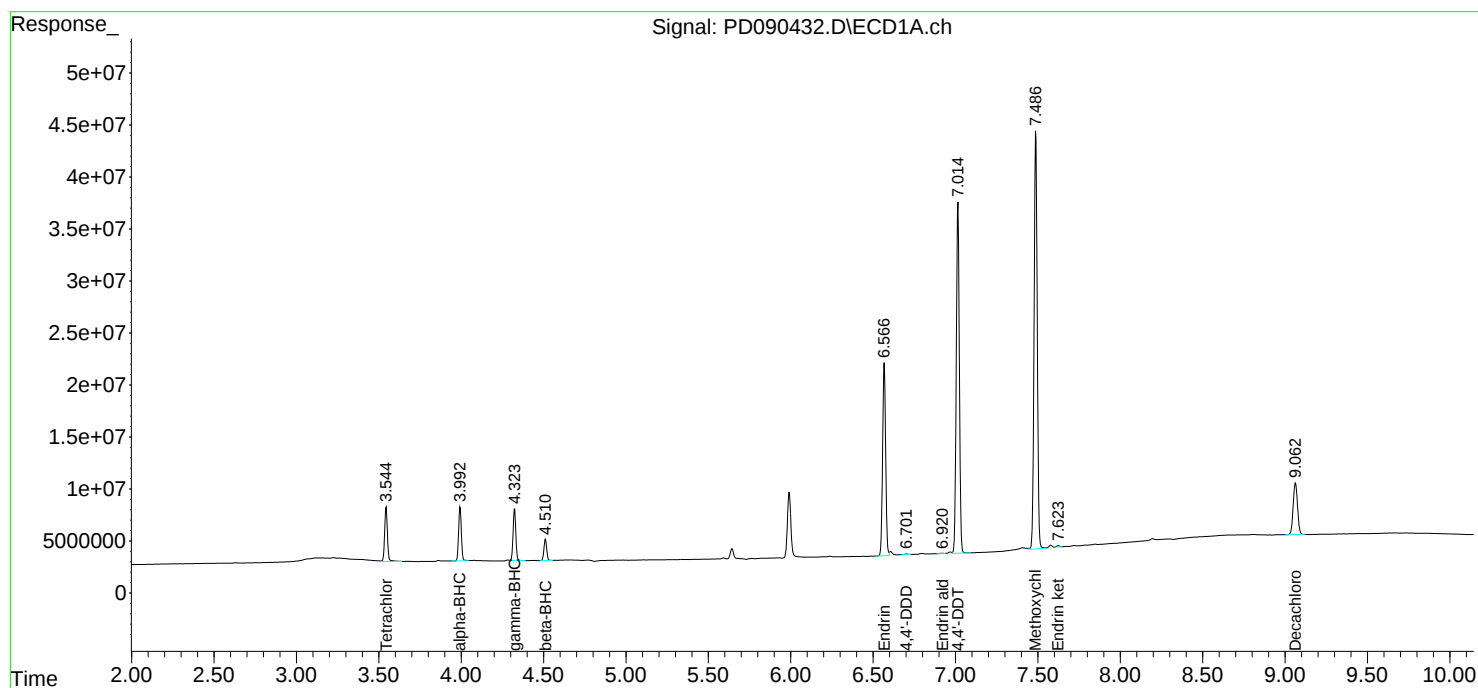
Instrument :
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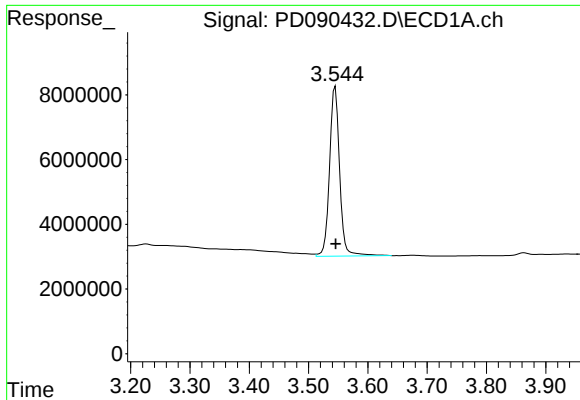
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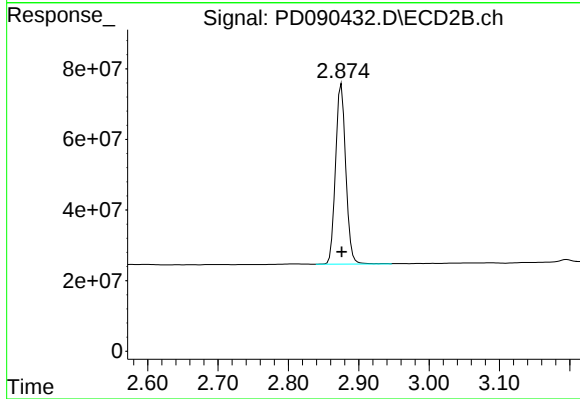
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.001 min
Response: 62184378
Conc: 19.13 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

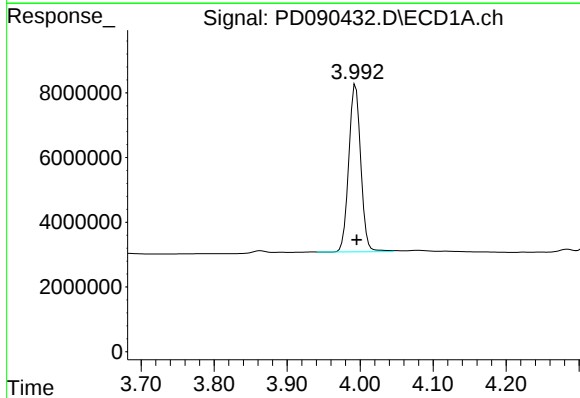
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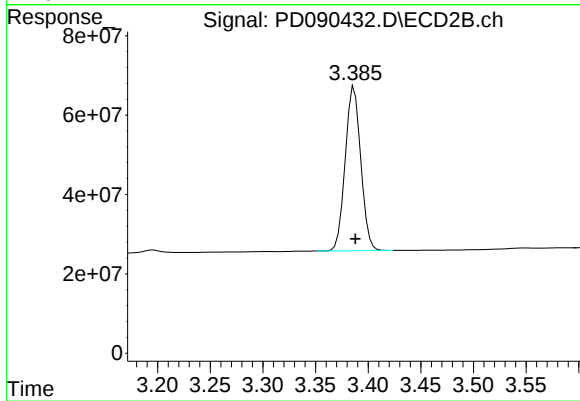
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 515409548
Conc: 18.78 ng/ml



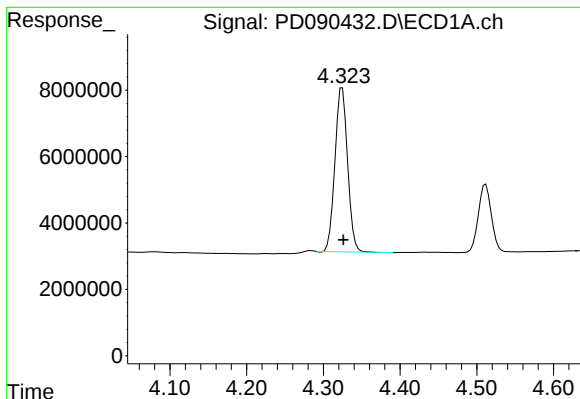
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.002 min
Response: 58897576
Conc: 8.43 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 427536450
Conc: 9.76 ng/ml



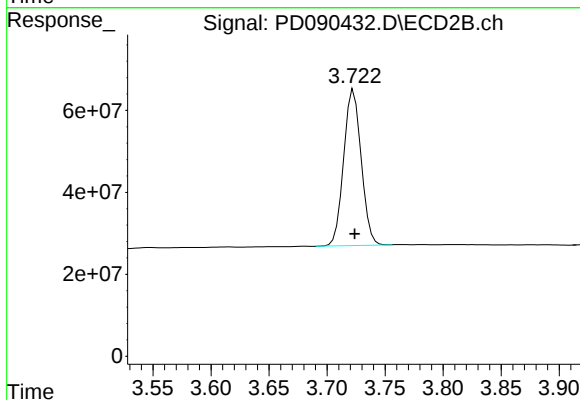
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: -0.002 min
Response: 56519854
Conc: 8.54 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

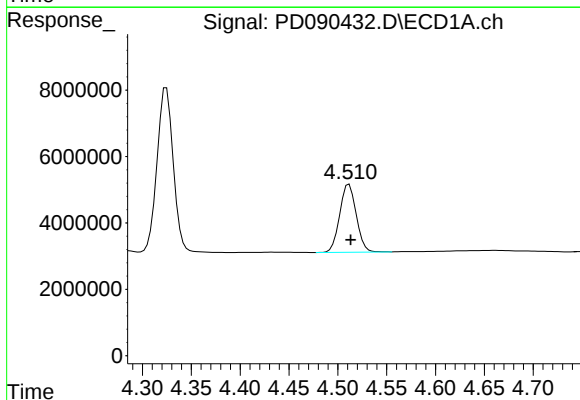
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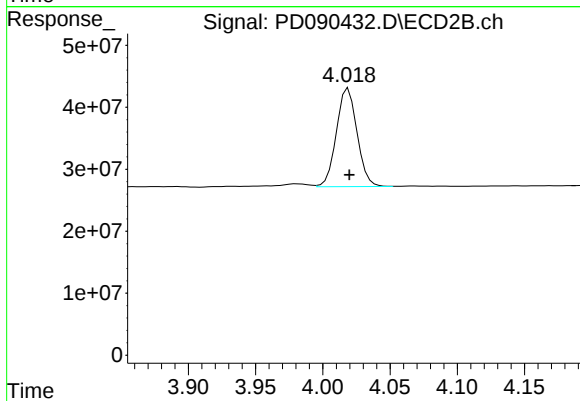
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 400193097
Conc: 9.82 ng/ml



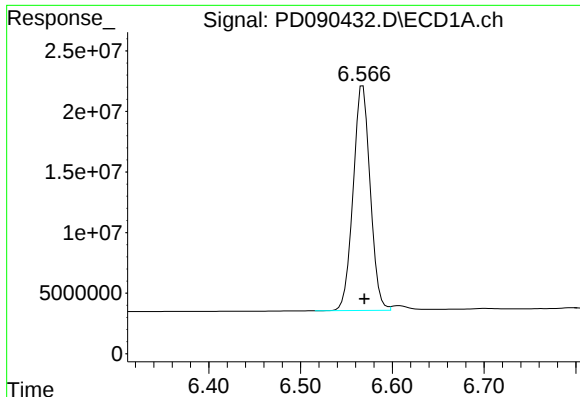
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 24143810
Conc: 9.36 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 170250020
Conc: 9.82 ng/ml



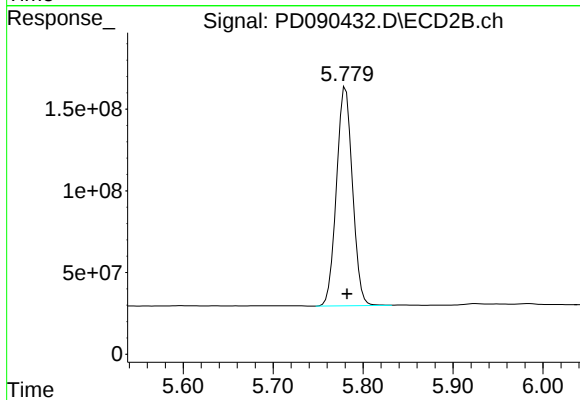
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.002 min
Response: 239787681
Conc: 49.00 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

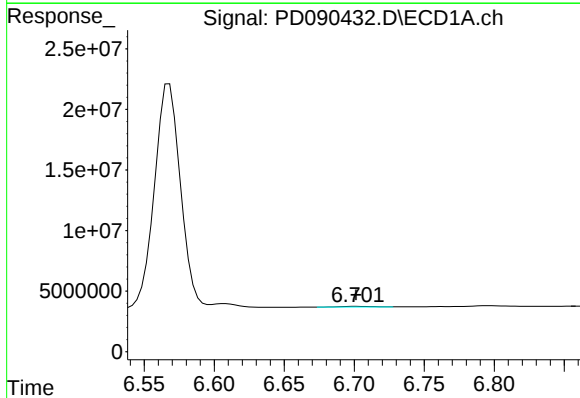
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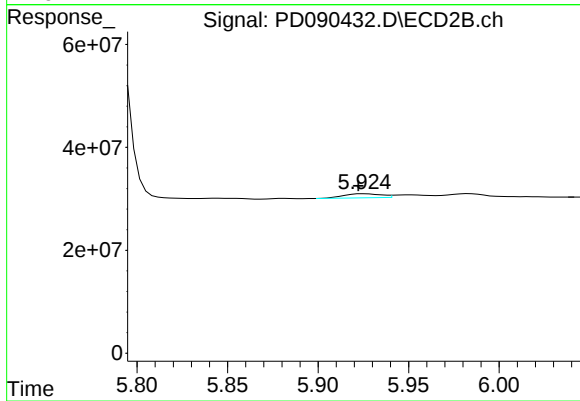
#14 Endrin

R.T.: 5.781 min
Delta R.T.: -0.001 min
Response: 1655763559
Conc: 46.21 ng/ml



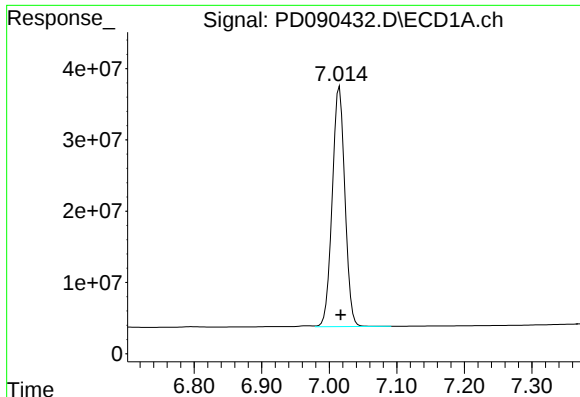
#16 4,4'-DDD

R.T.: 6.701 min
Delta R.T.: 0.000 min
Response: 942514
Conc: 0.23 ng/ml m



#16 4,4'-DDD

R.T.: 5.924 min
Delta R.T.: 0.002 min
Response: 11466106
Conc: 0.35 ng/ml m



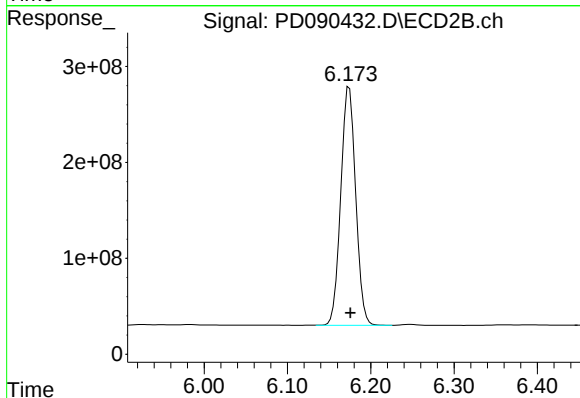
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.002 min
Response: 440416694
Conc: 98.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

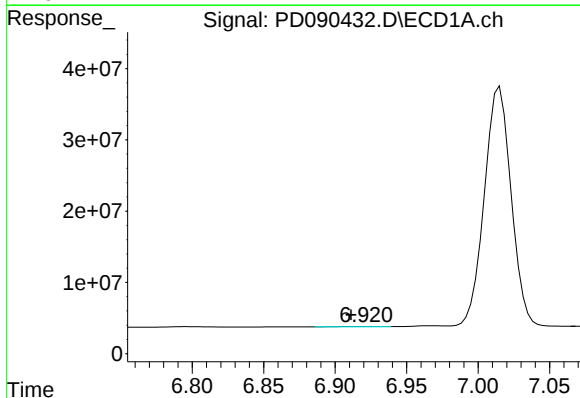
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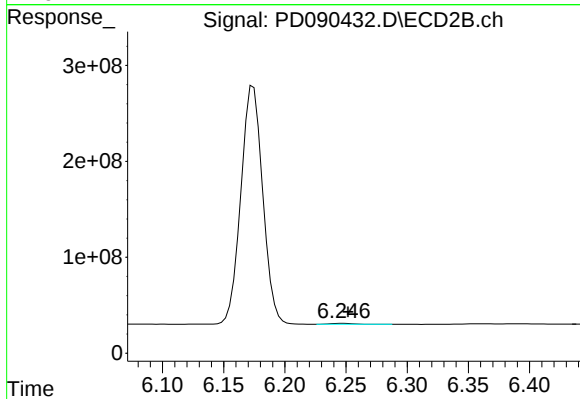
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.001 min
Response: 3093499847
Conc: 89.98 ng/ml



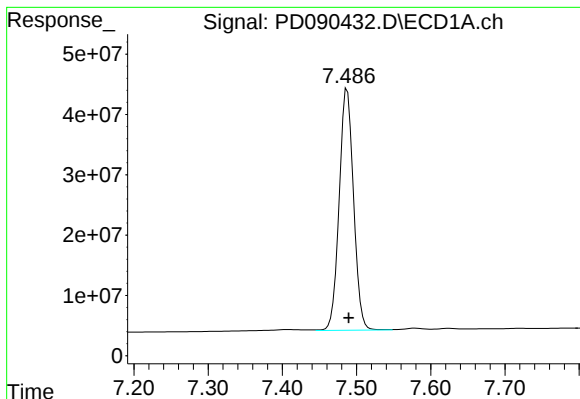
#18 Endrin aldehyde

R.T.: 6.920 min
Delta R.T.: 0.009 min
Response: 830380
Conc: 0.24 ng/ml m



#18 Endrin aldehyde

R.T.: 6.247 min
Delta R.T.: -0.004 min
Response: 13089471
Conc: 0.56 ng/ml



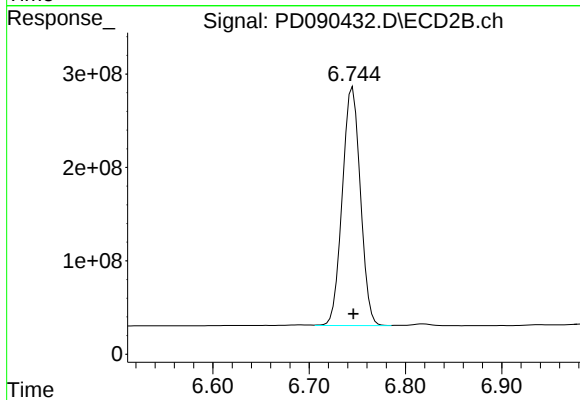
#20 Methoxychlor

R.T.: 7.487 min
Delta R.T.: -0.002 min
Response: 538897494
Conc: 228.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

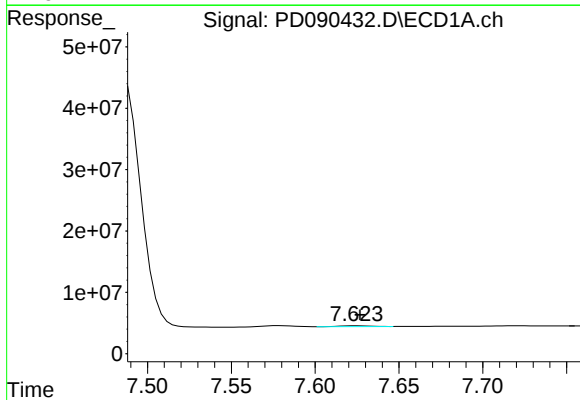
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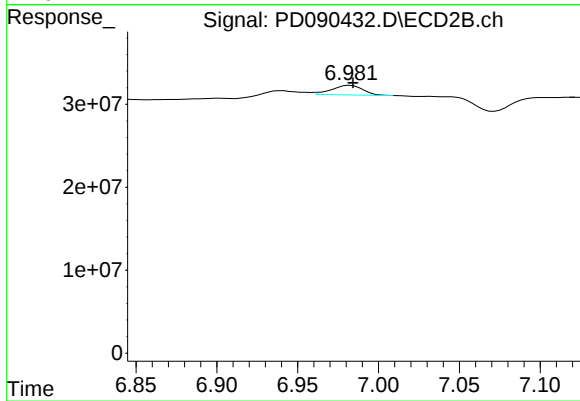
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 3314881401
Conc: 190.51 ng/ml



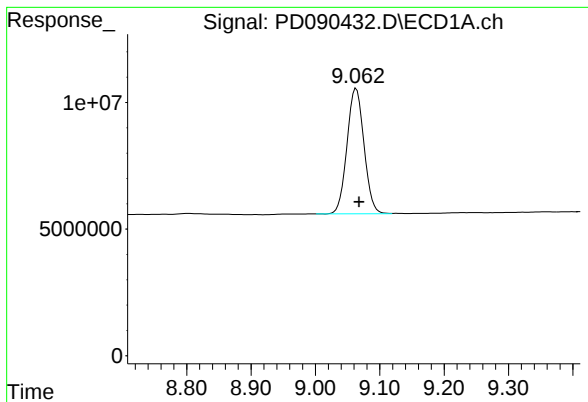
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.004 min
Response: 1650617
Conc: 0.33 ng/ml m



#21 Endrin ketone

R.T.: 6.981 min
Delta R.T.: -0.003 min
Response: 15183993
Conc: 0.42 ng/ml m



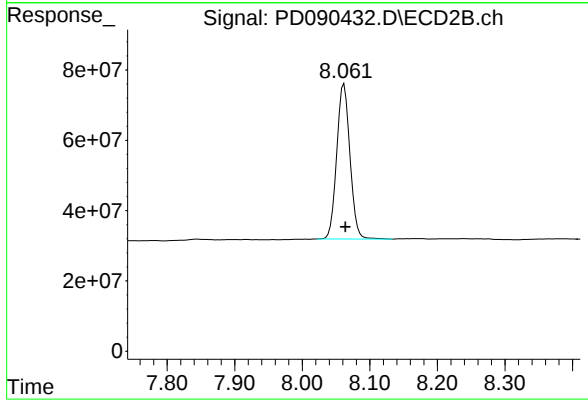
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.004 min
Response: 90898798
Conc: 18.84 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: -0.002 min
Response: 601019045
Conc: 18.54 ng/ml