

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD111725\
 Data File : PD091235.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 17 Nov 2025 19:35
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 11/18/2025
 Supervised By : mohammad ahmed 11/19/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Nov 18 01:11:17 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	58679095	645.5E6	17.015	17.622
28)	SA Decachlor...	9.062	8.058	84440758	626.0E6	16.950	15.818
Target Compounds							
2)	A alpha-BHC	3.991	3.383	56484336	537.8E6	7.065	8.509
3)	MA gamma-BHC...	4.321	3.720	54679034	483.9E6	7.317	8.369
6)	B beta-BHC	4.509	4.016	23362439	204.4E6	8.041	8.509
14)	MA Endrin	6.565	5.777	207.7E6	1979.0E6	41.852	43.790
16)	A 4,4'-DDD	6.698	5.917	2580778	25243098	0.525	0.517m
17)	MA 4,4'-DDT	7.013	6.171	373.3E6	3619.4E6	90.271	92.492
18)	B Endrin al...	6.911	6.245	351396	25683722	0.084m	0.728 #
20)	A Methoxychlor	7.486	6.741	453.7E6	3821.3E6	208.670	190.576
21)	B Endrin ke...	7.623	6.977	2213114	25501279	0.393	0.500m#

(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

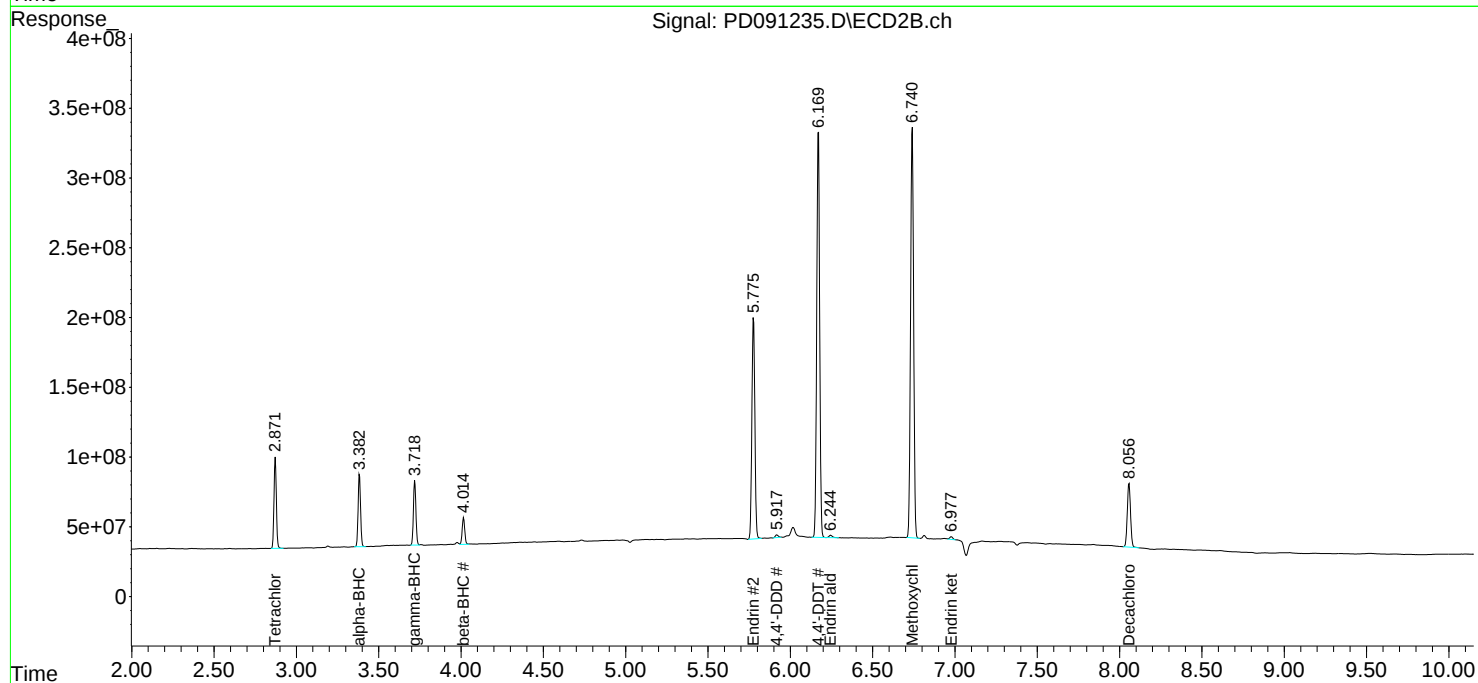
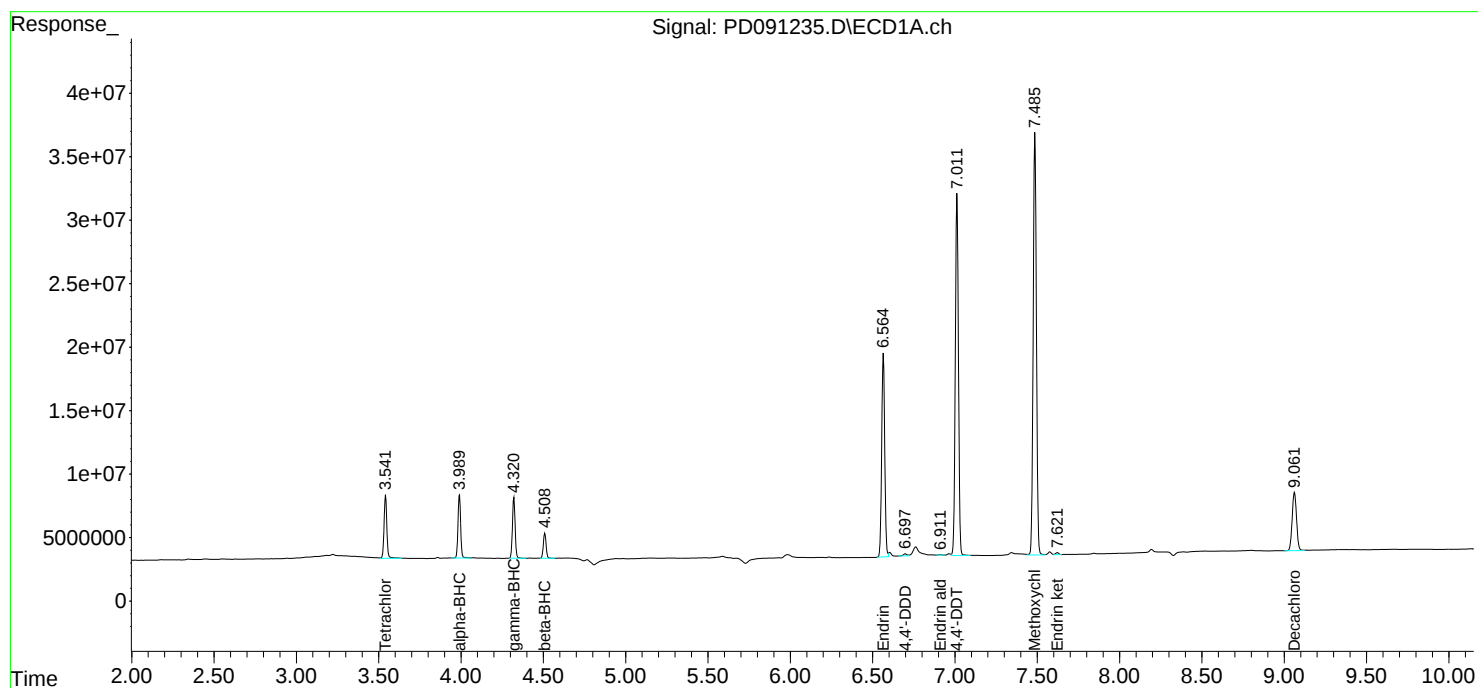
Instrument :
ECD_D
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PEM

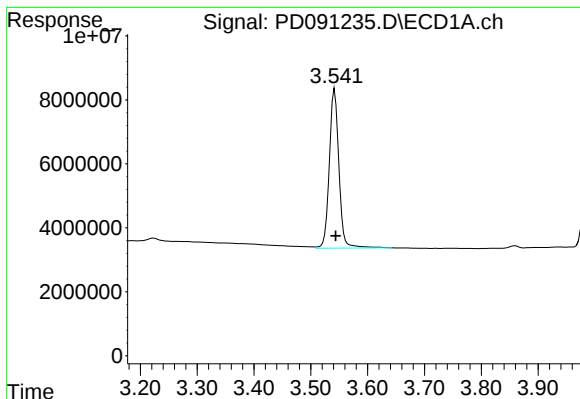
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Integration File signal 1: autoint1.e
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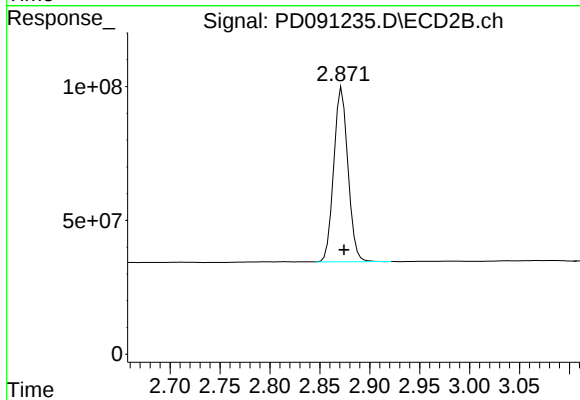
#1 Tetrachloro-m-xylene

R.T.: 3.542 min
Delta R.T.: -0.002 min
Response: 58679095
Conc: 17.02 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

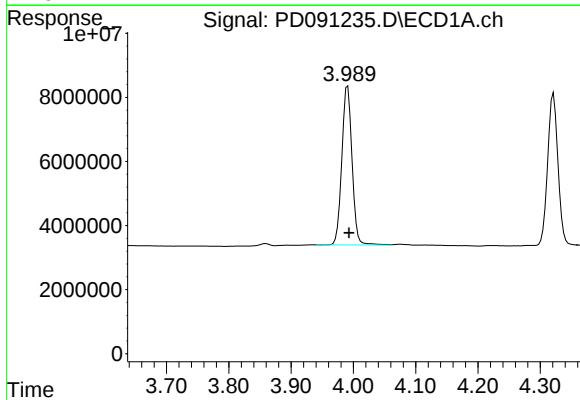
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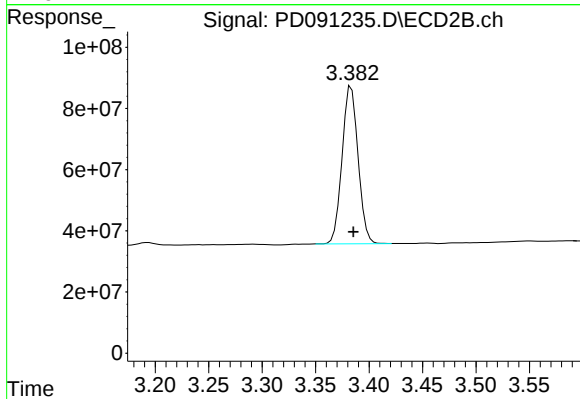
#1 Tetrachloro-m-xylene

R.T.: 2.872 min
Delta R.T.: -0.002 min
Response: 645498608
Conc: 17.62 ng/ml



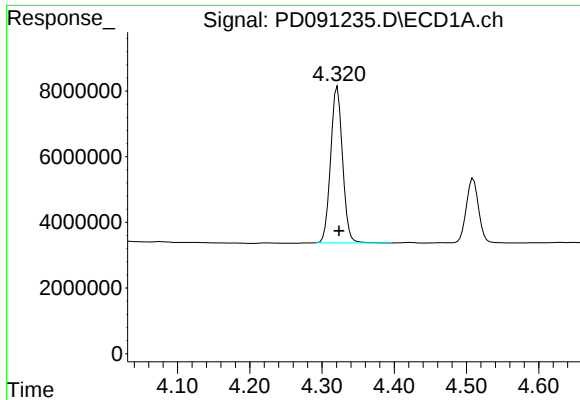
#2 alpha-BHC

R.T.: 3.991 min
Delta R.T.: -0.002 min
Response: 56484336
Conc: 7.06 ng/ml



#2 alpha-BHC

R.T.: 3.383 min
Delta R.T.: -0.002 min
Response: 537814019
Conc: 8.51 ng/ml



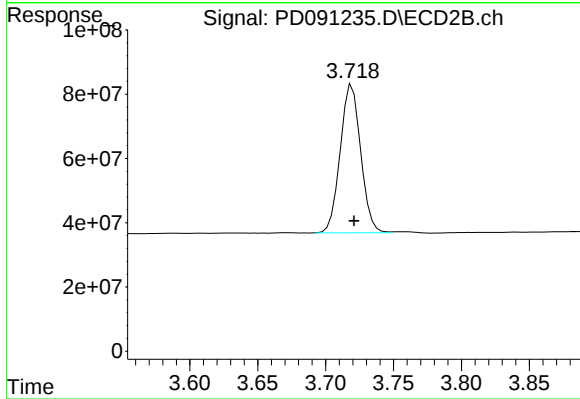
#3 gamma-BHC (Lindane)

R.T.: 4.321 min
Delta R.T.: -0.002 min
Response: 54679034
Conc: 7.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

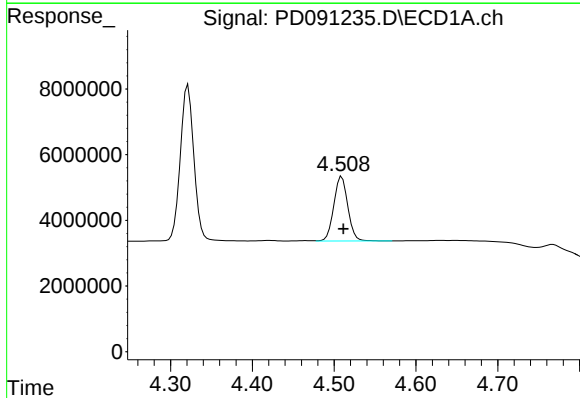
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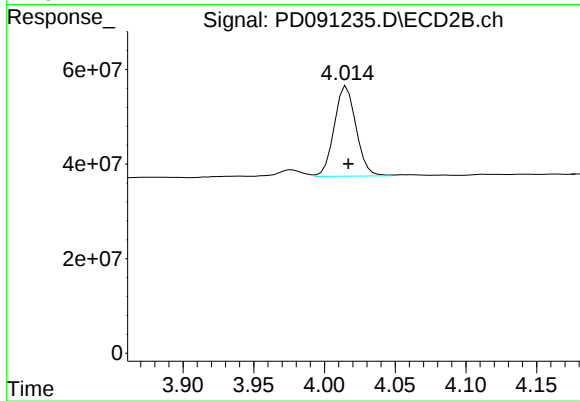
#3 gamma-BHC (Lindane)

R.T.: 3.720 min
Delta R.T.: -0.001 min
Response: 483906436
Conc: 8.37 ng/ml



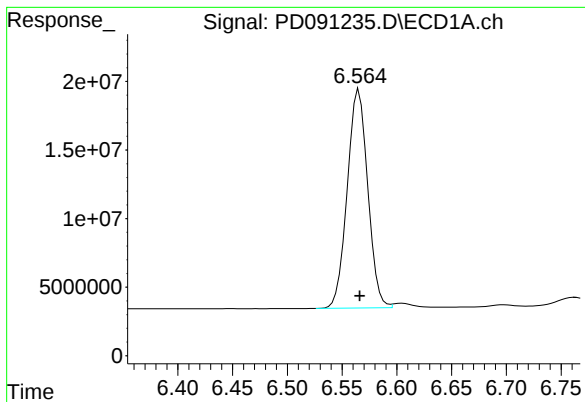
#6 beta-BHC

R.T.: 4.509 min
Delta R.T.: -0.002 min
Response: 23362439
Conc: 8.04 ng/ml



#6 beta-BHC

R.T.: 4.016 min
Delta R.T.: -0.001 min
Response: 204442610
Conc: 8.51 ng/ml



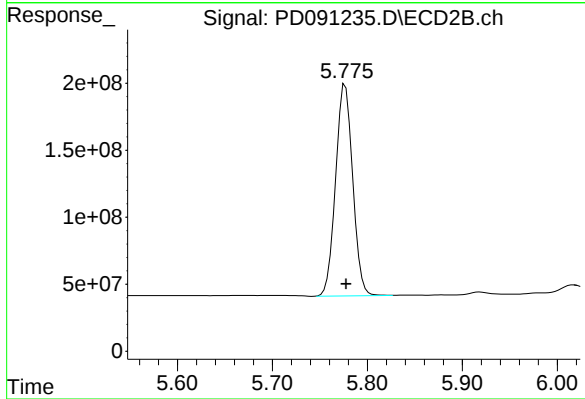
#14 Endrin

R.T.: 6.565 min
Delta R.T.: 0.000 min
Response: 207733143
Conc: 41.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

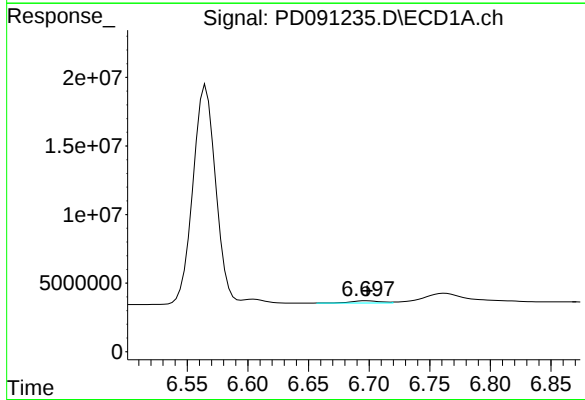
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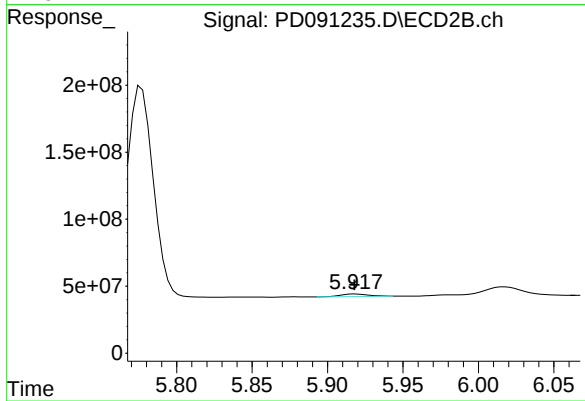
#14 Endrin

R.T.: 5.777 min
Delta R.T.: 0.000 min
Response: 1978977858
Conc: 43.79 ng/ml



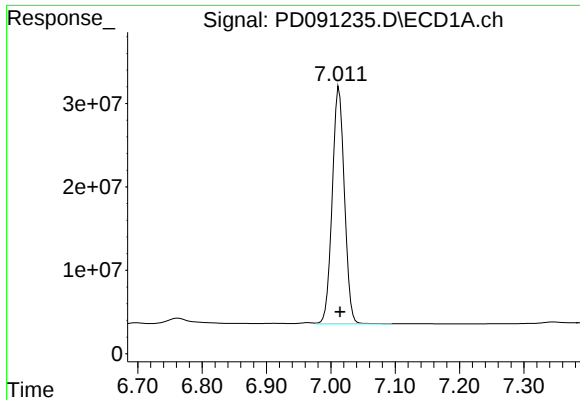
#16 4,4'-DDD

R.T.: 6.698 min
Delta R.T.: 0.000 min
Response: 2580778
Conc: 0.53 ng/ml



#16 4,4'-DDD

R.T.: 5.917 min
Delta R.T.: 0.000 min
Response: 25243098
Conc: 0.52 ng/ml m



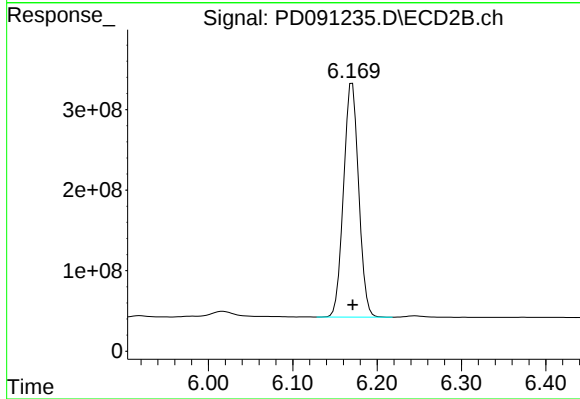
#17 4,4'-DDT

R.T.: 7.013 min
Delta R.T.: -0.001 min
Response: 373317035
Conc: 90.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

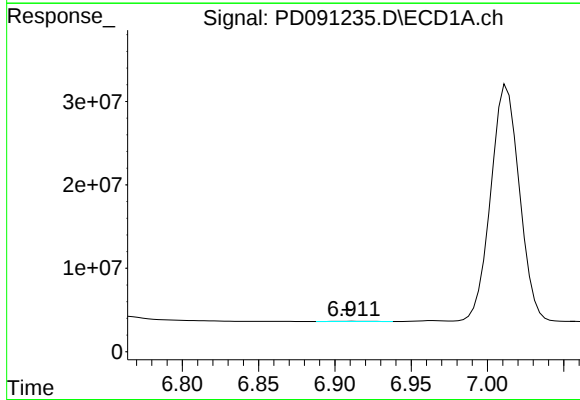
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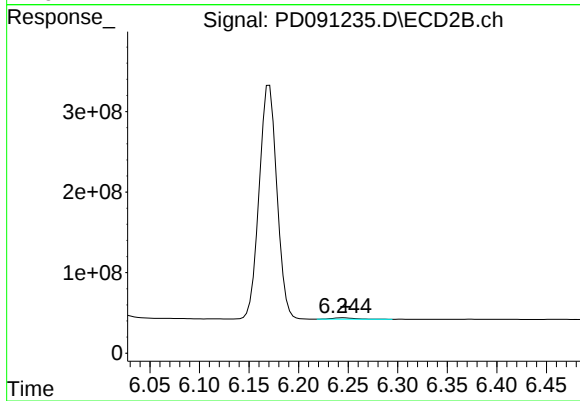
#17 4,4'-DDT

R.T.: 6.171 min
Delta R.T.: 0.000 min
Response: 3619447981
Conc: 92.49 ng/ml



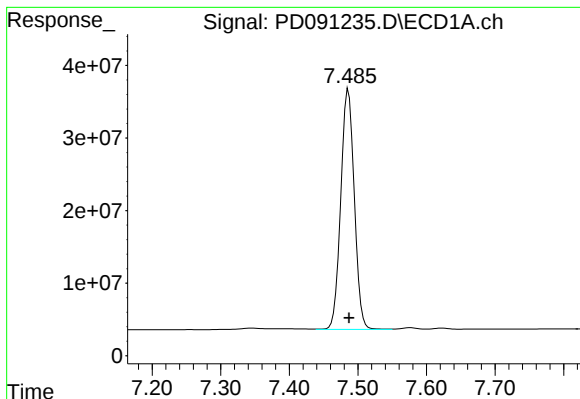
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.003 min
Response: 351396
Conc: 0.08 ng/ml m



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.002 min
Response: 25683722
Conc: 0.73 ng/ml



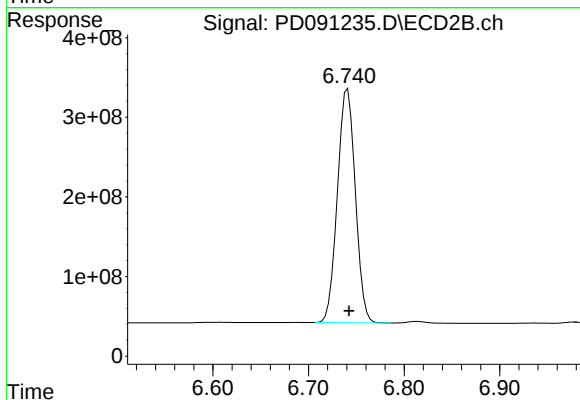
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: 0.000 min
Response: 453718207
Conc: 208.67 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

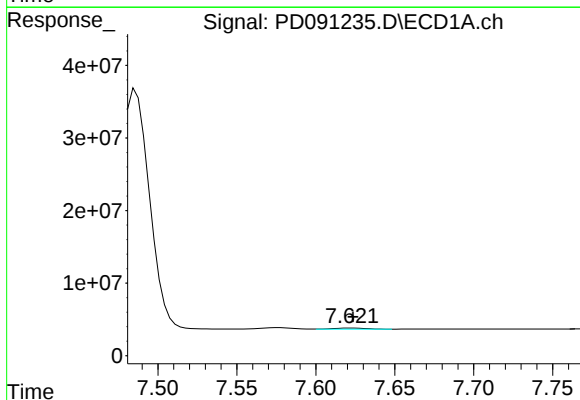
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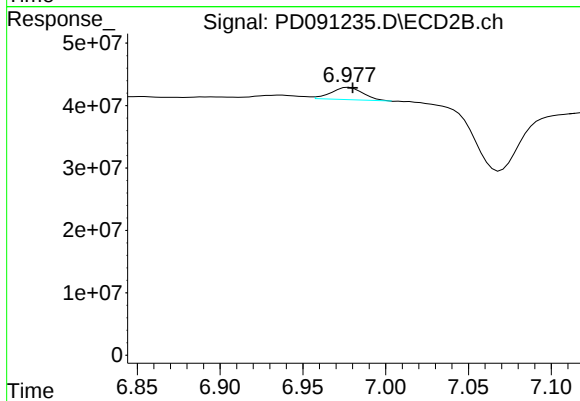
#20 Methoxychlor

R.T.: 6.741 min
Delta R.T.: -0.001 min
Response: 3821320188
Conc: 190.58 ng/ml



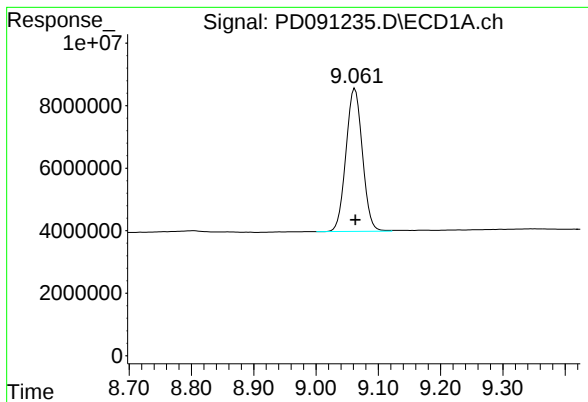
#21 Endrin ketone

R.T.: 7.623 min
Delta R.T.: -0.001 min
Response: 2213114
Conc: 0.39 ng/ml



#21 Endrin ketone

R.T.: 6.977 min
Delta R.T.: -0.004 min
Response: 25501279
Conc: 0.50 ng/ml m



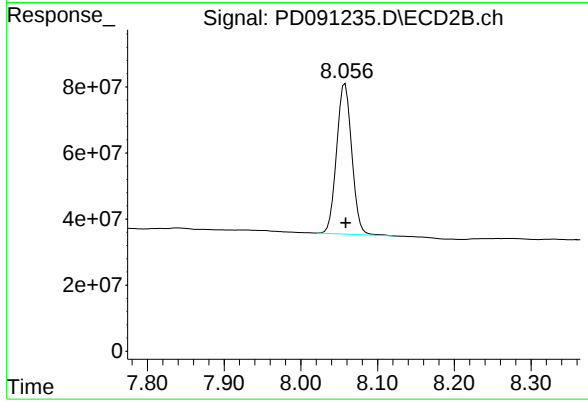
#28 Decachlorobiphenyl

R.T.: 9.062 min
Delta R.T.: 0.000 min
Response: 84440758
Conc: 16.95 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.058 min
Delta R.T.: 0.000 min
Response: 625993407
Conc: 15.82 ng/ml