

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD121625\
 Data File : PD091619.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 16 Dec 2025 19:30
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 12/17/2025
 Supervised By : Yogesh Patel 12/17/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Dec 17 04:58:42 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	72150511	888.0E6	20.773	22.536
28)	SA Decachlor...	9.057	8.054	109.9E6	1047.4E6	21.152	25.292
Target Compounds							
2)	A alpha-BHC	3.988	3.381	70331009	750.4E6	8.736	11.007 #
3)	MA gamma-BHC...	4.319	3.718	68548608	694.6E6	9.121	12.353 #
6)	B beta-BHC	4.507	4.014	29333405	279.7E6	10.160	11.675
14)	MA Endrin	6.562	5.774	266.7E6	2799.0E6	47.562	53.542
16)	A 4,4'-DDD	6.693	5.914	12880048	160.8E6	2.798m	3.536 #
17)	MA 4,4'-DDT	7.010	6.167	455.1E6	5129.3E6	88.252	108.216
18)	B Endrin al...	6.903	6.241	2133521	35426528	0.511m	0.993m#
20)	A Methoxychlor	7.483	6.738	547.4E6	5187.4E6	203.657	219.824
21)	B Endrin ke...	7.619	6.973	9806286	98746703	1.741	2.030m

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

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Acq On : 16 Dec 2025 19:30
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Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

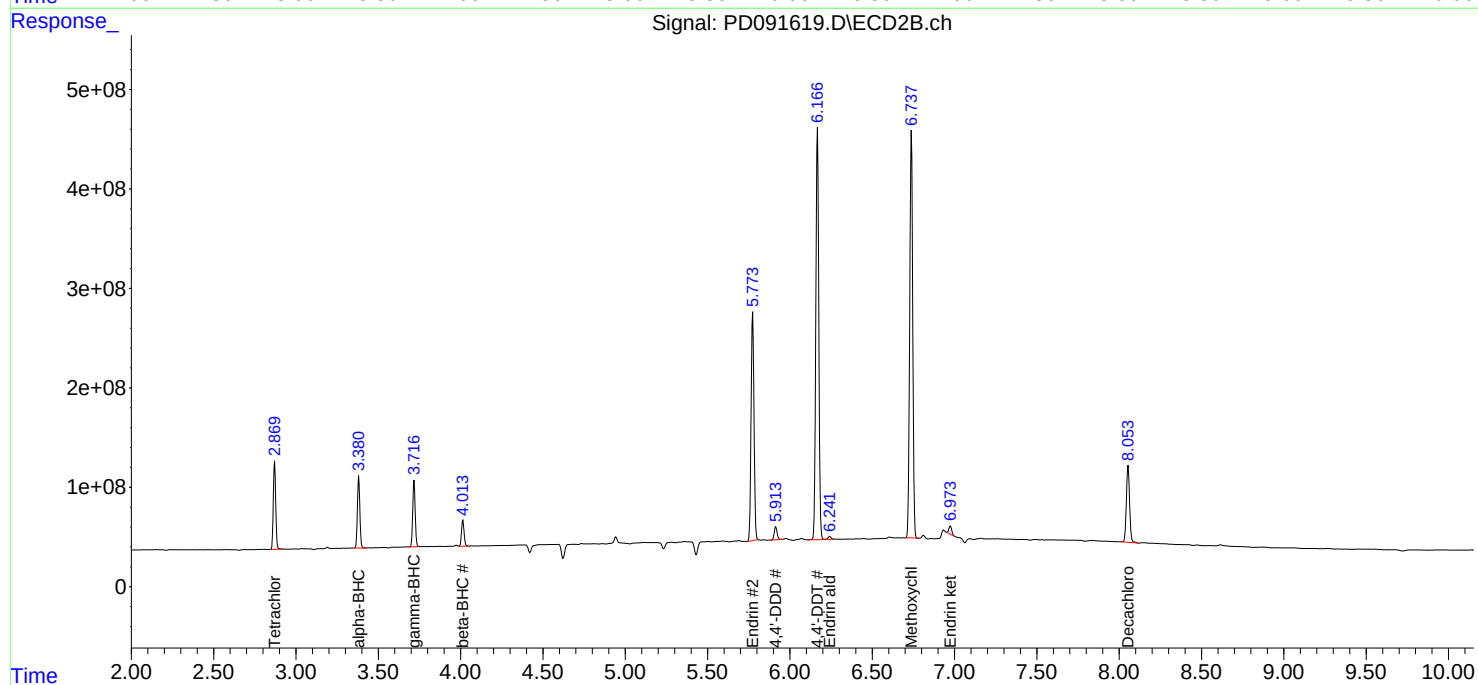
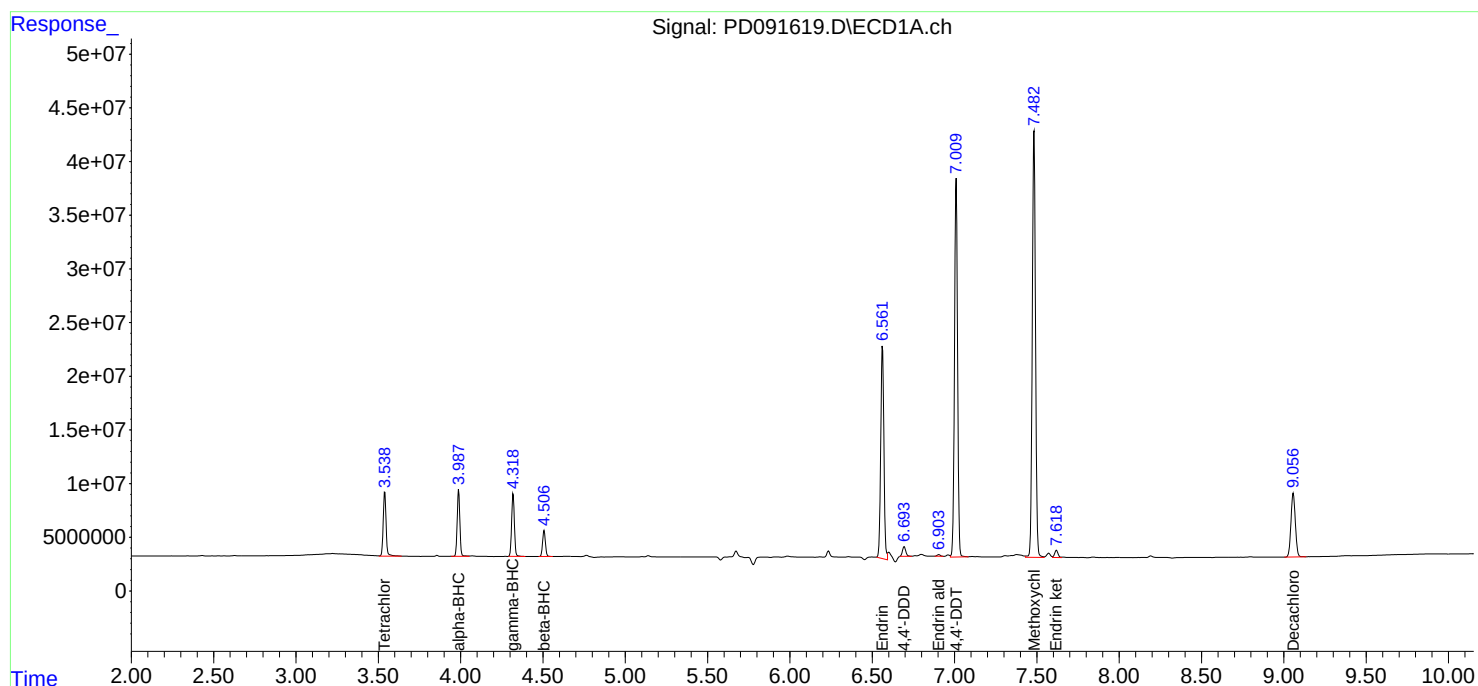
Instrument :
ECD_D
ClientSampleId :
PEM

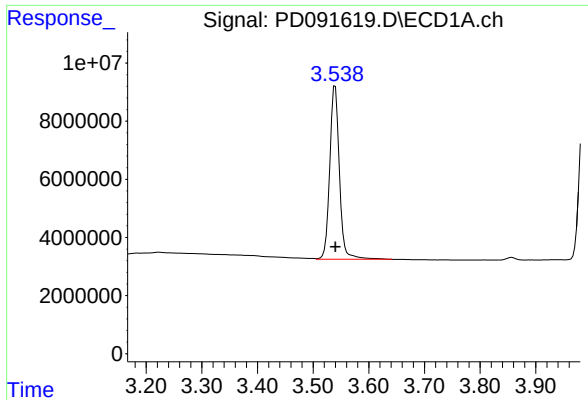
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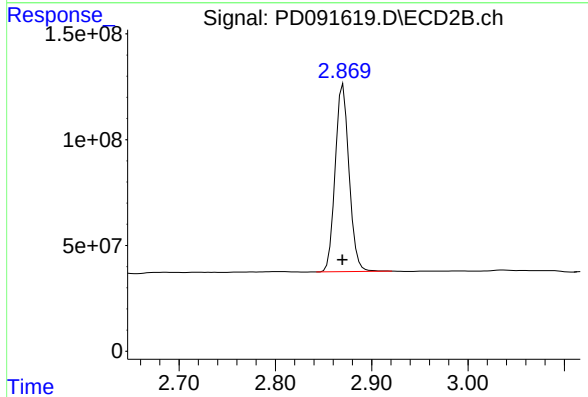
#1 Tetrachloro-m-xylene

R.T.: 3.540 min
Delta R.T.: 0.000 min
Response: 72150511
Conc: 20.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

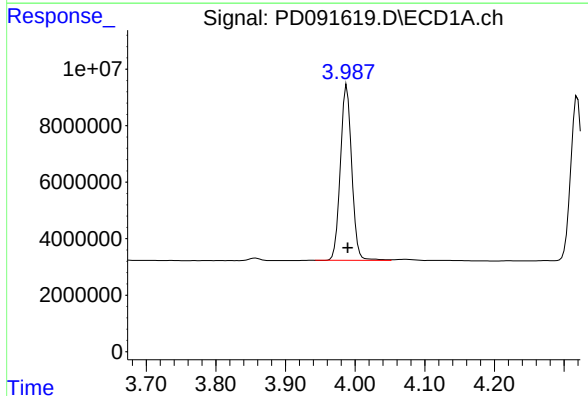
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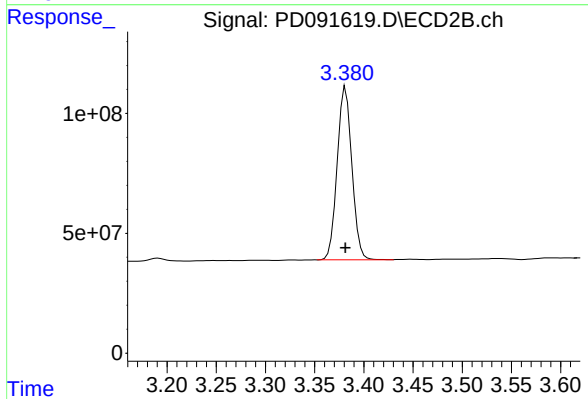
#1 Tetrachloro-m-xylene

R.T.: 2.870 min
Delta R.T.: 0.000 min
Response: 887985180
Conc: 22.54 ng/ml



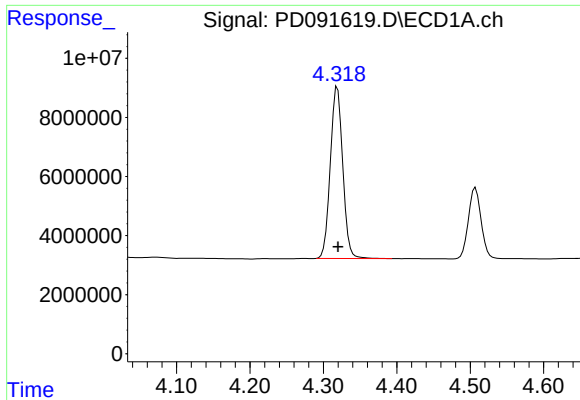
#2 alpha-BHC

R.T.: 3.988 min
Delta R.T.: -0.001 min
Response: 70331009
Conc: 8.74 ng/ml



#2 alpha-BHC

R.T.: 3.381 min
Delta R.T.: 0.000 min
Response: 750408033
Conc: 11.01 ng/ml



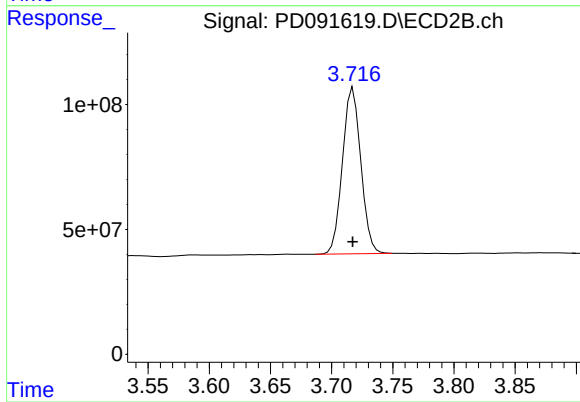
#3 gamma-BHC (Lindane)

R.T.: 4.319 min
Delta R.T.: 0.000 min
Response: 68548608
Conc: 9.12 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

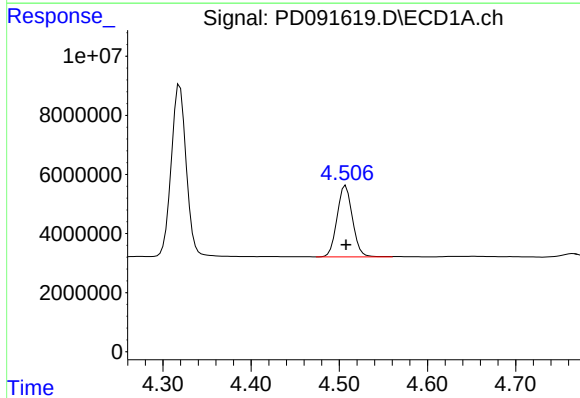
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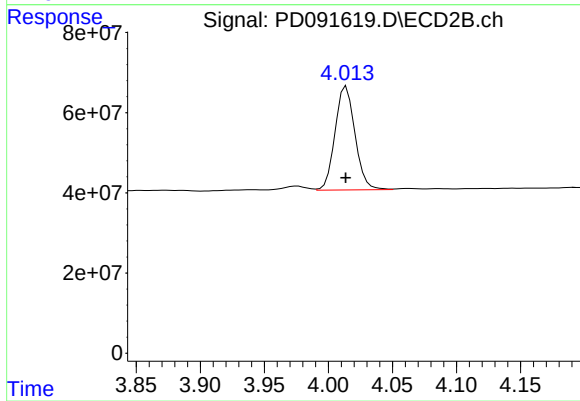
#3 gamma-BHC (Lindane)

R.T.: 3.718 min
Delta R.T.: 0.000 min
Response: 694612743
Conc: 12.35 ng/ml



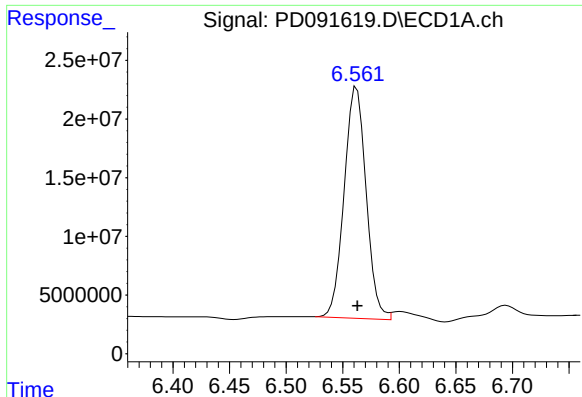
#6 beta-BHC

R.T.: 4.507 min
Delta R.T.: 0.000 min
Response: 29333405
Conc: 10.16 ng/ml



#6 beta-BHC

R.T.: 4.014 min
Delta R.T.: 0.000 min
Response: 279727590
Conc: 11.68 ng/ml



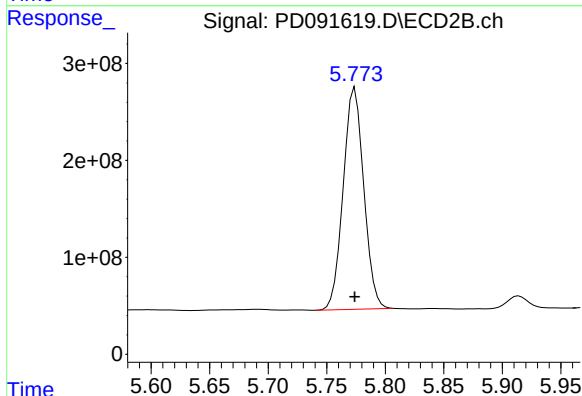
#14 Endrin

R.T.: 6.562 min
Delta R.T.: 0.000 min
Response: 266737986
Conc: 47.56 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

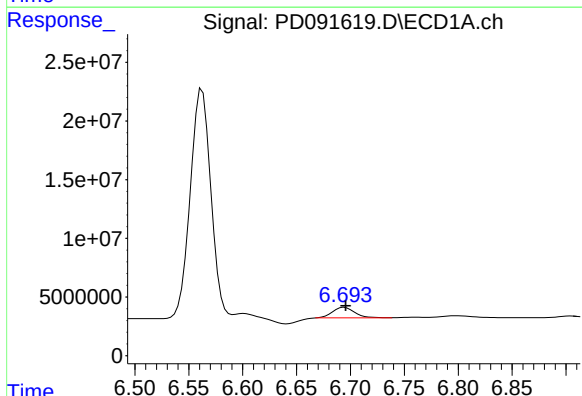
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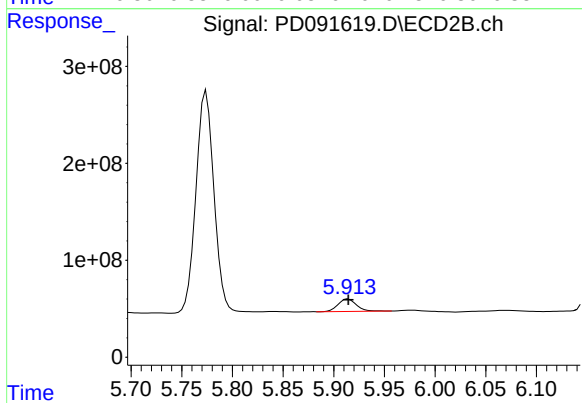
#14 Endrin

R.T.: 5.774 min
Delta R.T.: 0.000 min
Response: 2799049632
Conc: 53.54 ng/ml



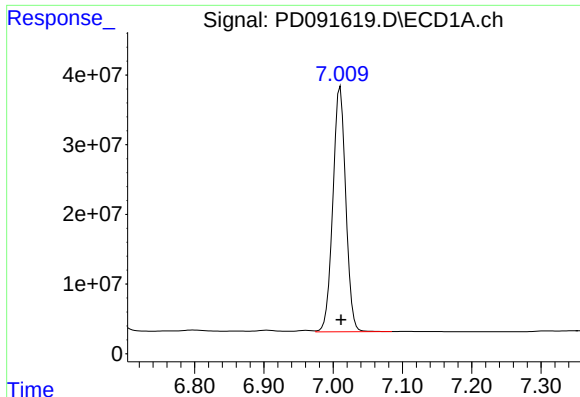
#16 4,4'-DDD

R.T.: 6.693 min
Delta R.T.: -0.003 min
Response: 12880048
Conc: 2.80 ng/ml m



#16 4,4'-DDD

R.T.: 5.914 min
Delta R.T.: 0.000 min
Response: 160829354
Conc: 3.54 ng/ml



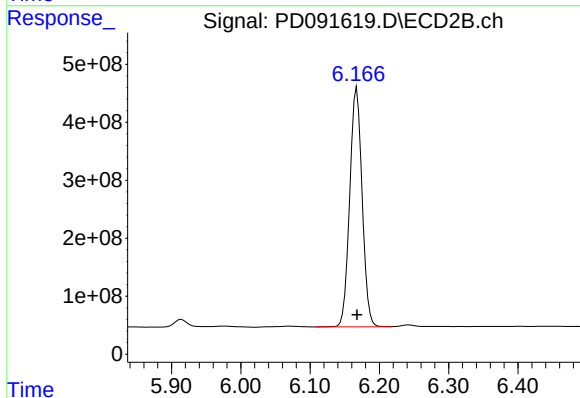
#17 4,4'-DDT

R.T.: 7.010 min
Delta R.T.: -0.001 min
Response: 455068048
Conc: 88.25 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

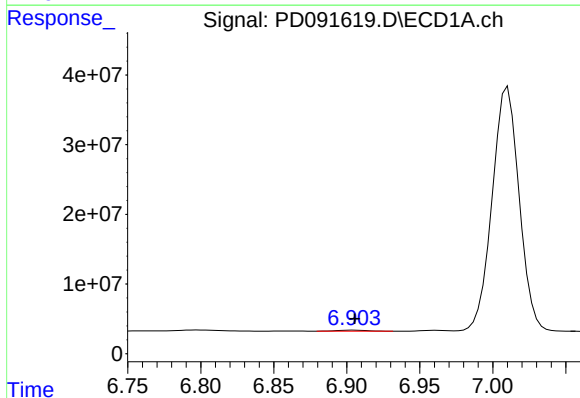
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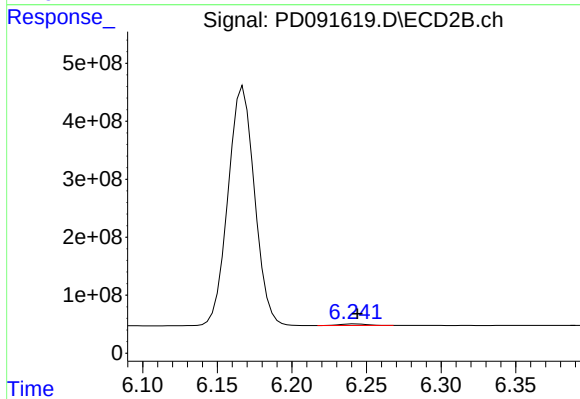
#17 4,4'-DDT

R.T.: 6.167 min
Delta R.T.: 0.000 min
Response: 5129319017
Conc: 108.22 ng/ml



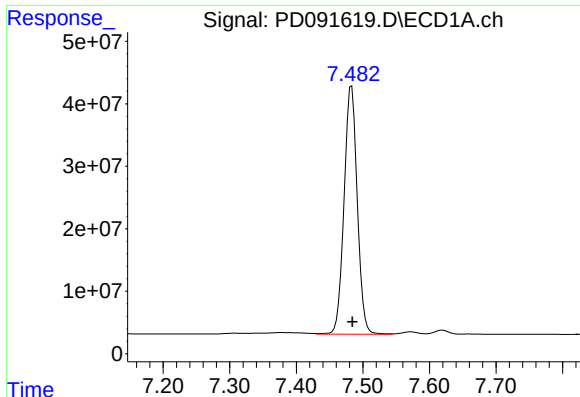
#18 Endrin aldehyde

R.T.: 6.903 min
Delta R.T.: -0.002 min
Response: 2133521
Conc: 0.51 ng/ml m



#18 Endrin aldehyde

R.T.: 6.241 min
Delta R.T.: -0.003 min
Response: 35426528
Conc: 0.99 ng/ml m



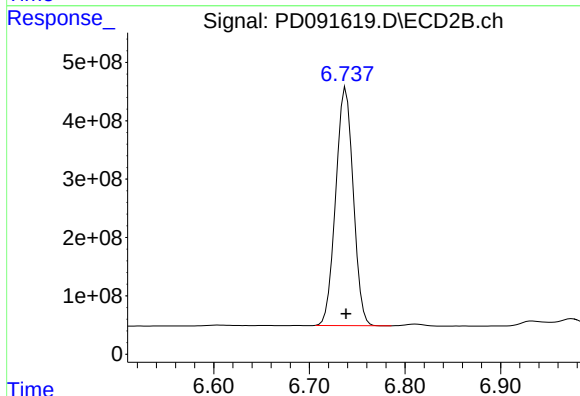
#20 Methoxychlor

R.T.: 7.483 min
Delta R.T.: -0.001 min
Response: 547425147
Conc: 203.66 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

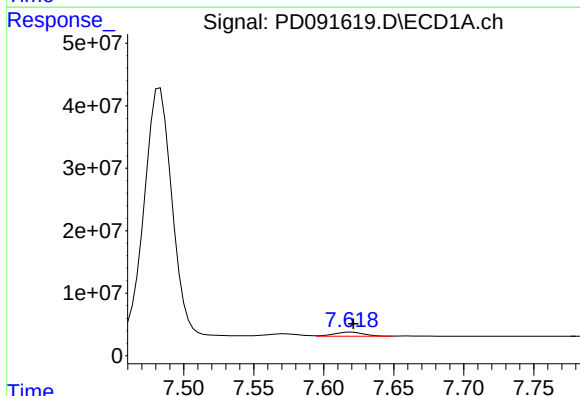
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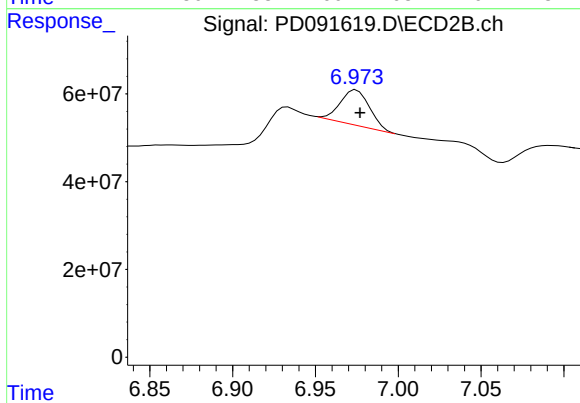
#20 Methoxychlor

R.T.: 6.738 min
Delta R.T.: 0.000 min
Response: 5187412613
Conc: 219.82 ng/ml



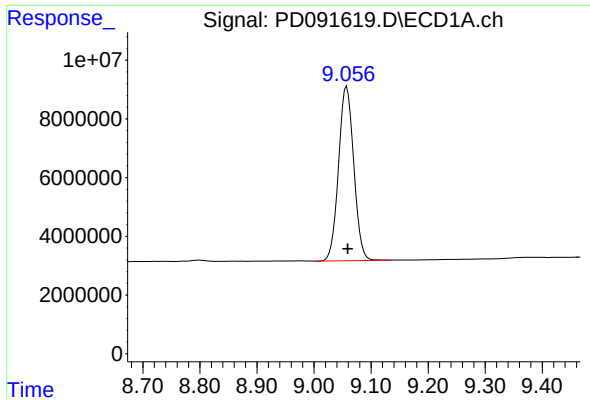
#21 Endrin ketone

R.T.: 7.619 min
Delta R.T.: -0.002 min
Response: 9806286
Conc: 1.74 ng/ml



#21 Endrin ketone

R.T.: 6.973 min
Delta R.T.: -0.004 min
Response: 98746703
Conc: 2.03 ng/ml m



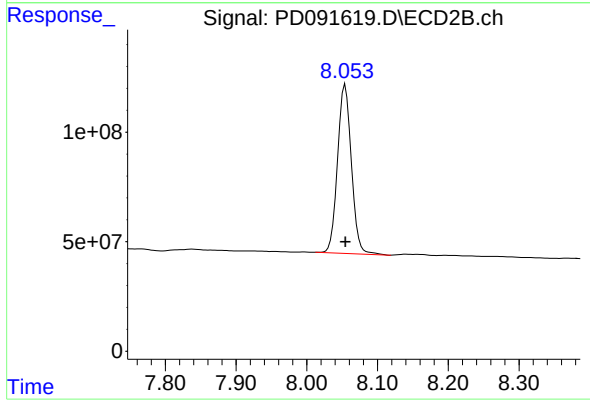
#28 Decachlorobiphenyl

R.T.: 9.057 min
Delta R.T.: -0.002 min
Response: 109948931
Conc: 21.15 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.054 min
Delta R.T.: 0.000 min
Response: 1047376748
Conc: 25.29 ng/ml