

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD091225\
 Data File : PD090258.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 12 Sep 2025 11:08
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 09/15/2025
 Supervised By :mohammad ahmed 09/16/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Sep 13 00:59:47 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD081825.M
 Quant Title : GC Extractables
 QLast Update : Tue Aug 19 13:16:54 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	2.876	53995372	495.7E6	18.398m	22.480
28)	SA Decachlor...	9.066	8.063	85978698	598.4E6	19.921	23.116
Target Compounds							
2)	A alpha-BHC	3.994	3.387	54310732	413.4E6	9.048m	12.181 #
3)	MA gamma-BHC...	4.325	3.724	52458000	378.0E6	9.160m	12.127 #
6)	B beta-BHC	4.513	4.020	22477936	162.8E6	10.021	12.215
14)	MA Endrin	6.568	5.782	204.3E6	1540.4E6	49.295m	57.841
16)	A 4,4'-DDD	6.699	5.923	2214715	21833222	0.640m	0.908 #
17)	MA 4,4'-DDT	7.015	6.176	371.4E6	2773.8E6	97.498m	110.643
18)	B Endrin al...	6.910	6.248	443323	15524817	0.155m	0.902m#
20)	A Methoxychlor	7.489	6.747	458.2E6	2834.0E6	228.451	219.763
21)	B Endrin ke...	7.625	6.982	2971169	34013742	0.717	1.277m#

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

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Sample : PEM
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ALS Vial : 3 Sample Multiplier: 1

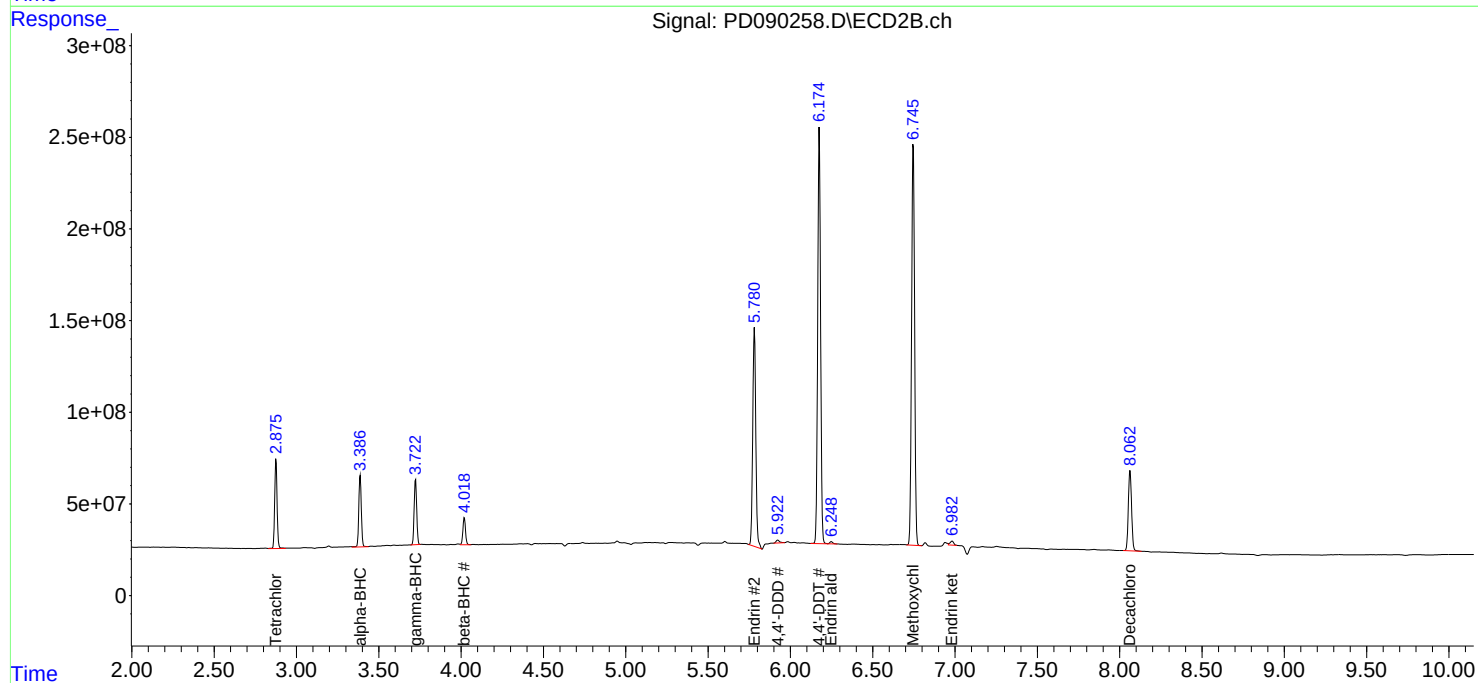
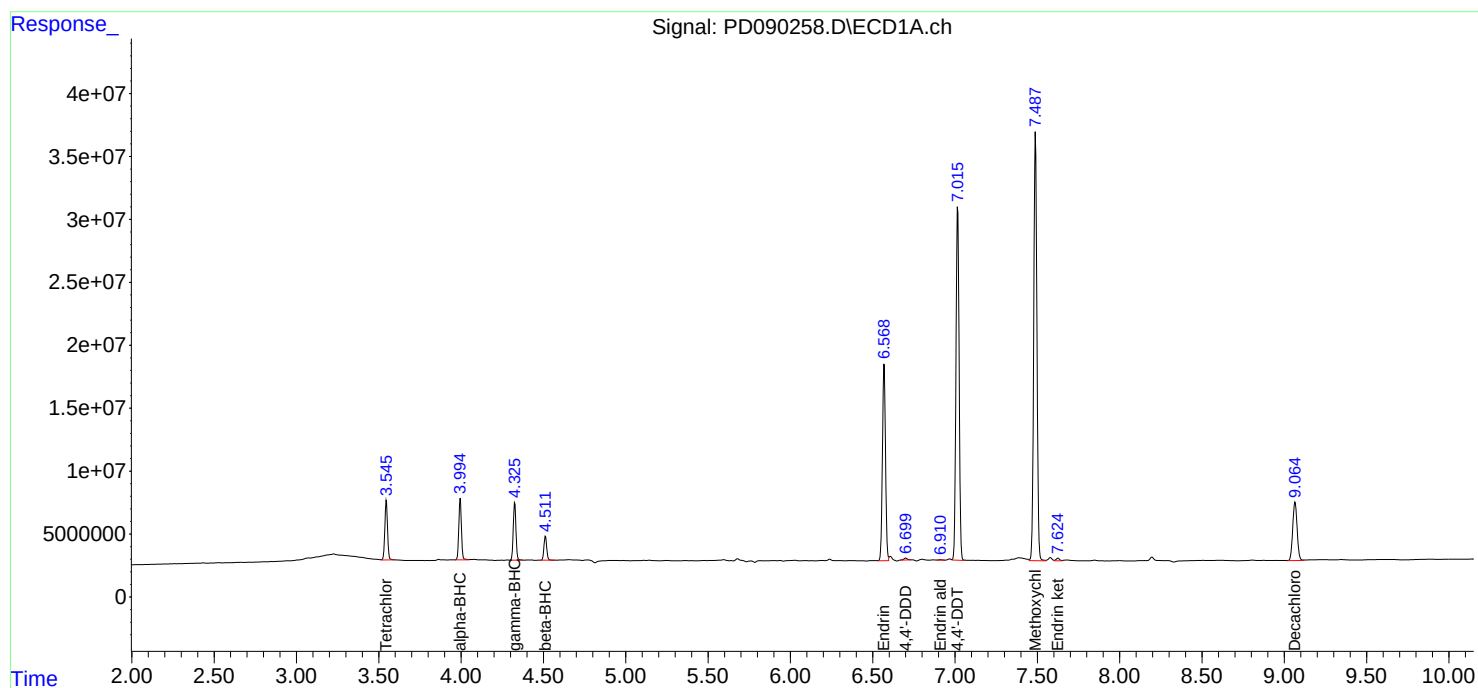
Instrument :
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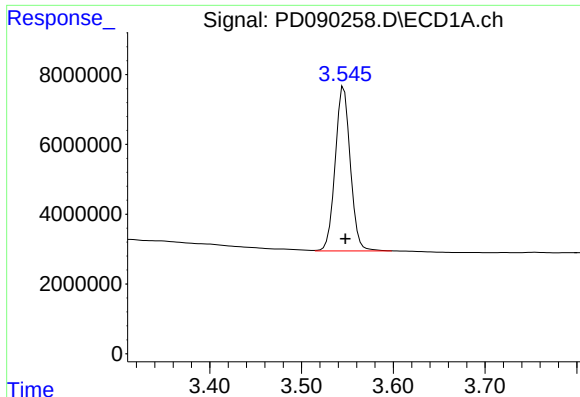
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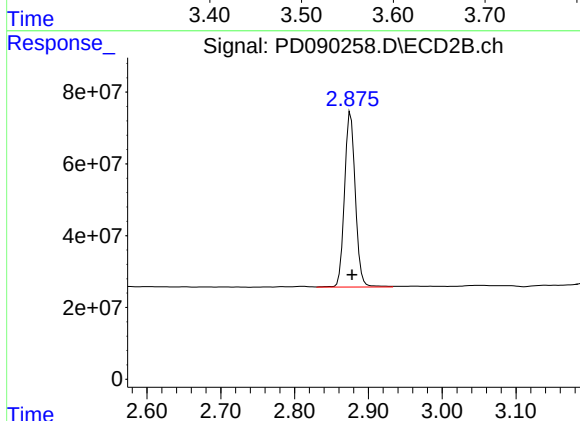
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: -0.003 min
Response: 53995372
Conc: 18.40 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

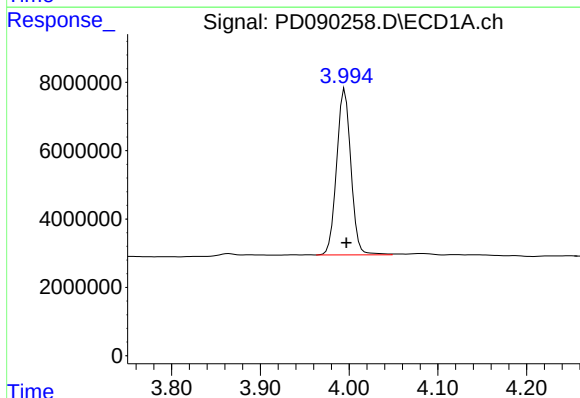
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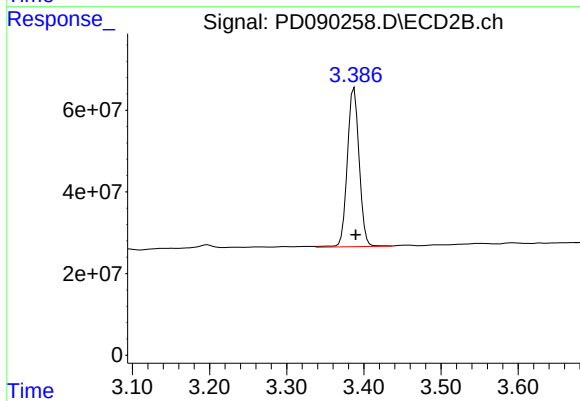
#1 Tetrachloro-m-xylene

R.T.: 2.876 min
Delta R.T.: -0.002 min
Response: 495686952
Conc: 22.48 ng/ml



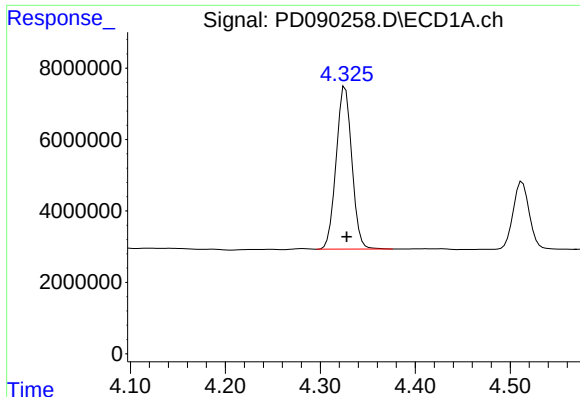
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.003 min
Response: 54310732
Conc: 9.05 ng/ml m



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.002 min
Response: 413415627
Conc: 12.18 ng/ml



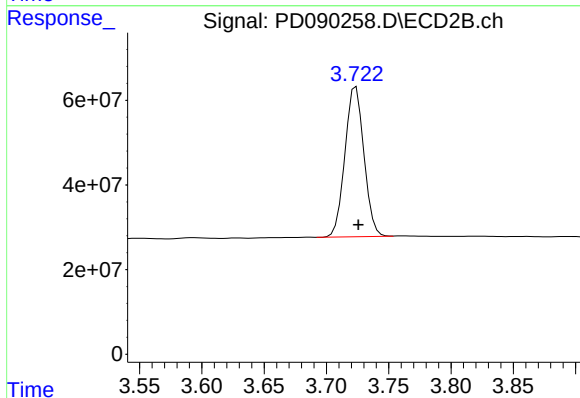
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.003 min
Response: 52458000
Conc: 9.16 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

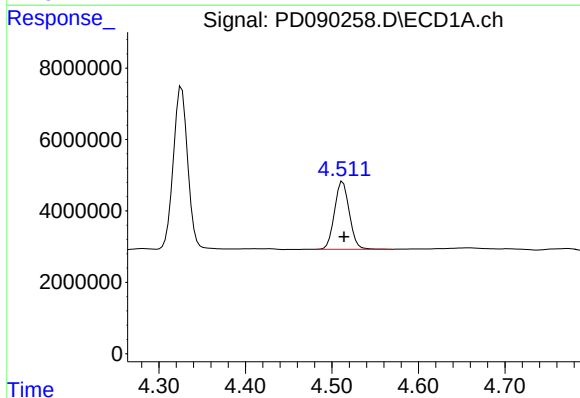
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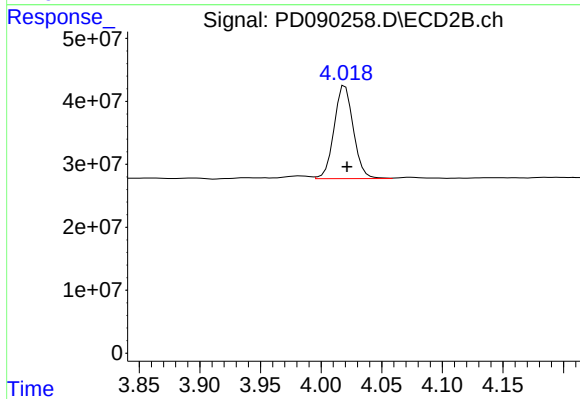
#3 gamma-BHC (Lindane)

R.T.: 3.724 min
Delta R.T.: -0.002 min
Response: 378001420
Conc: 12.13 ng/ml



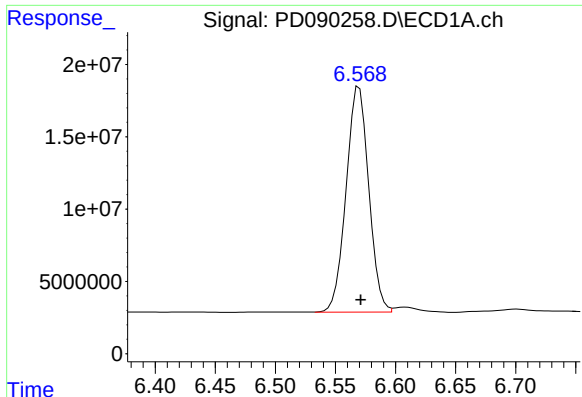
#6 beta-BHC

R.T.: 4.513 min
Delta R.T.: -0.001 min
Response: 22477936
Conc: 10.02 ng/ml



#6 beta-BHC

R.T.: 4.020 min
Delta R.T.: -0.002 min
Response: 162824499
Conc: 12.21 ng/ml



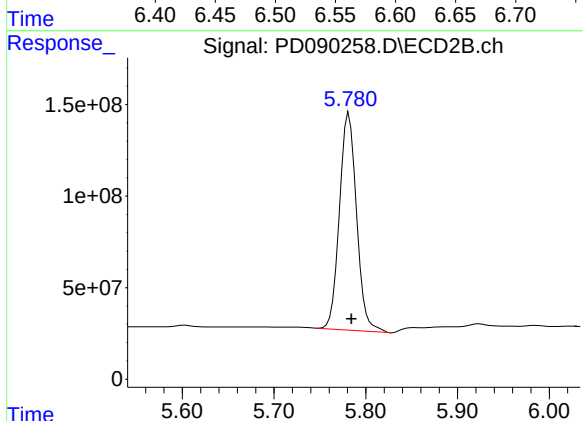
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.003 min
Response: 204258759
Conc: 49.30 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

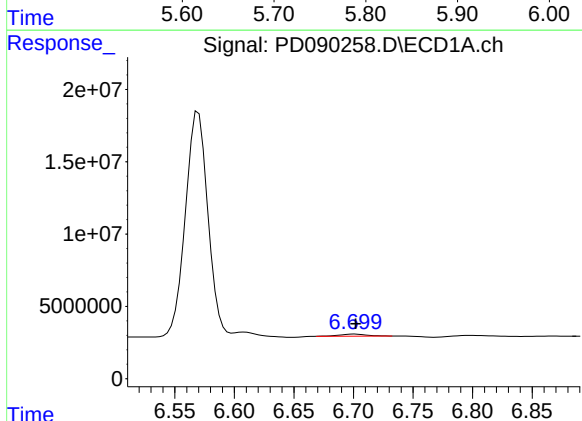
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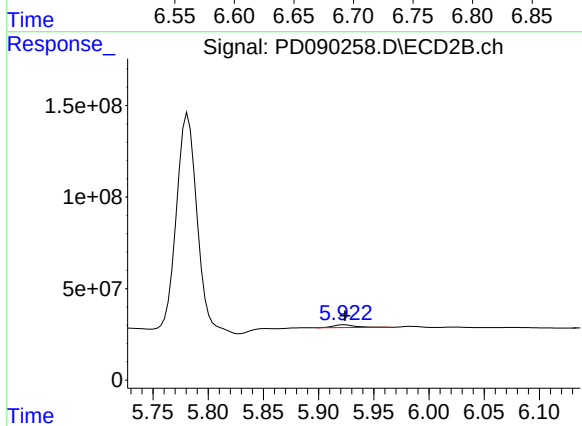
#14 Endrin

R.T.: 5.782 min
Delta R.T.: -0.003 min
Response: 1540423239
Conc: 57.84 ng/ml



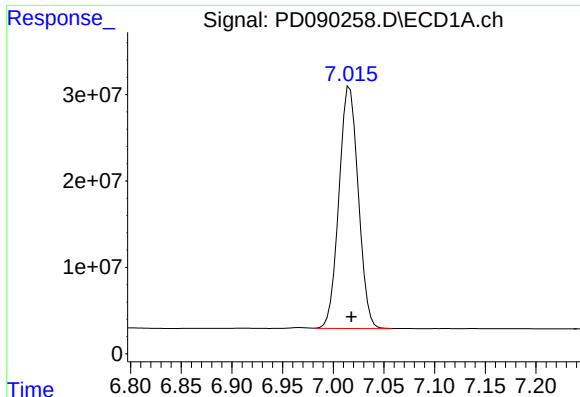
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 2214715
Conc: 0.64 ng/ml m



#16 4,4'-DDD

R.T.: 5.923 min
Delta R.T.: 0.000 min
Response: 21833222
Conc: 0.91 ng/ml



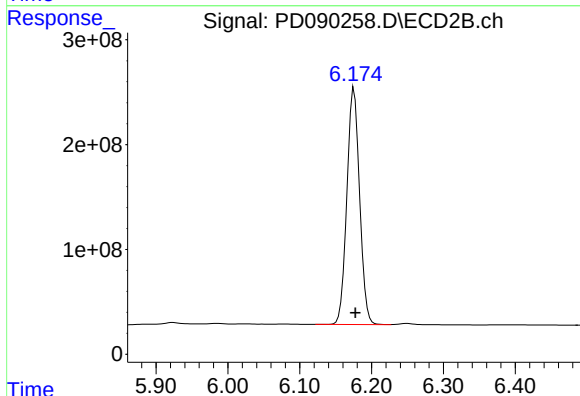
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.003 min
Response: 371442267
Conc: 97.50 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

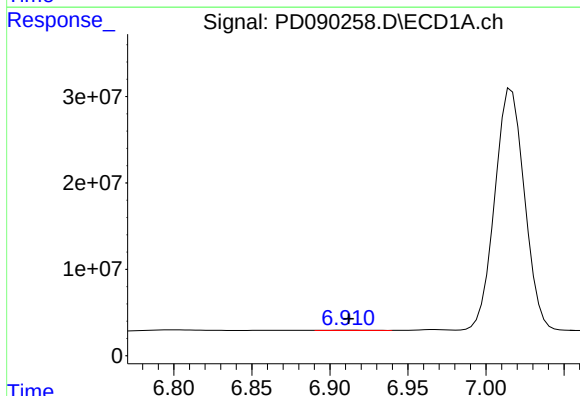
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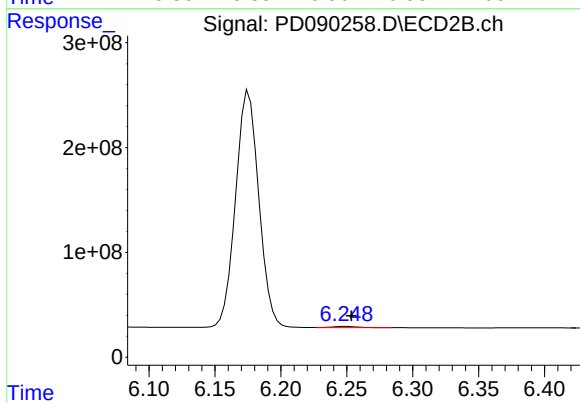
#17 4,4'-DDT

R.T.: 6.176 min
Delta R.T.: -0.002 min
Response: 2773787849
Conc: 110.64 ng/ml



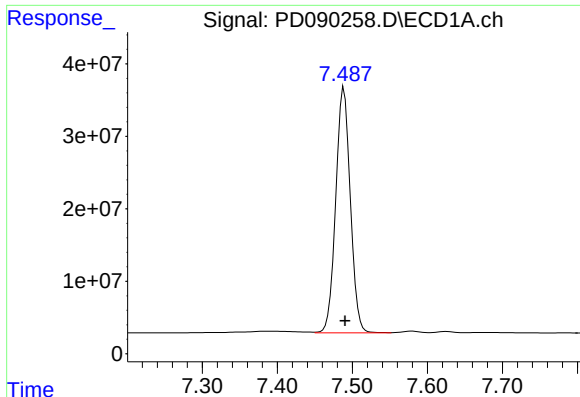
#18 Endrin aldehyde

R.T.: 6.910 min
Delta R.T.: -0.002 min
Response: 443323
Conc: 0.15 ng/ml m



#18 Endrin aldehyde

R.T.: 6.248 min
Delta R.T.: -0.006 min
Response: 15524817
Conc: 0.90 ng/ml m



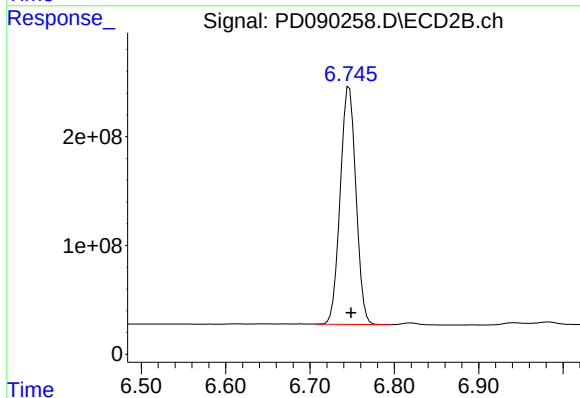
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: -0.002 min
Response: 458186253
Conc: 228.45 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

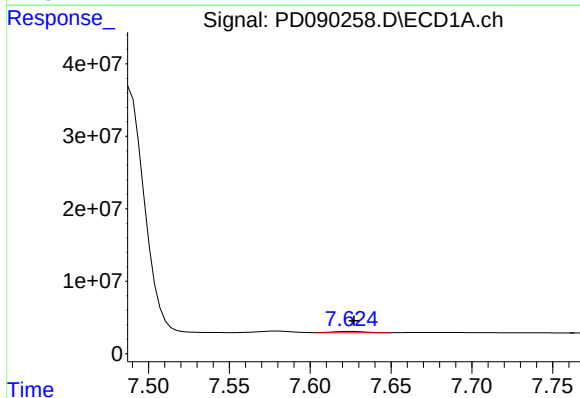
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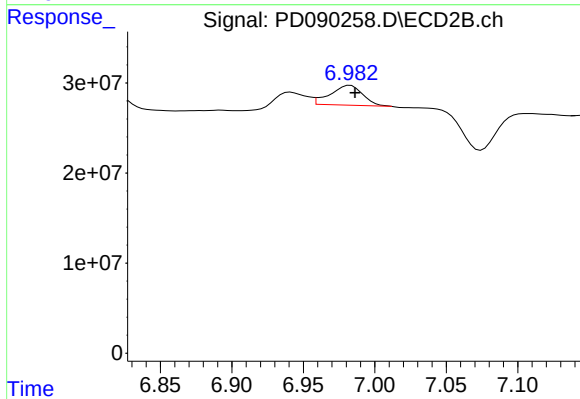
#20 Methoxychlor

R.T.: 6.747 min
Delta R.T.: -0.002 min
Response: 2834014275
Conc: 219.76 ng/ml



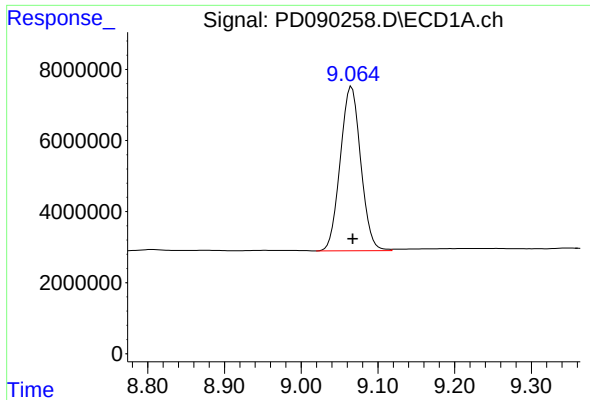
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 2971169
Conc: 0.72 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: -0.005 min
Response: 34013742
Conc: 1.28 ng/ml m



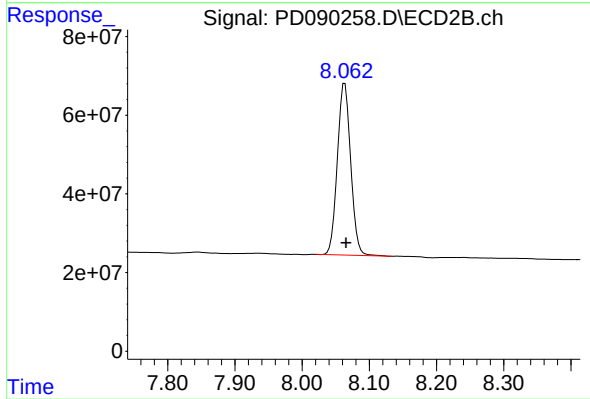
#28 Decachlorobiphenyl

R.T.: 9.066 min
Delta R.T.: -0.001 min
Response: 85978698
Conc: 19.92 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.063 min
Delta R.T.: -0.002 min
Response: 598381094
Conc: 23.12 ng/ml