

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD092925\
 Data File : PD090417.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 29 Sep 2025 11:29
 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 02:30:40 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	65121966	538.0E6	20.035	19.600
28)	SA Decachlor...	9.063	8.062	84492393	532.3E6	17.511	16.422
Target Compounds							
2)	A alpha-BHC	3.995	3.387	57250974	412.7E6	8.197	9.427
3)	MA gamma-BHC...	4.325	3.723	54713335	382.7E6	8.269	9.395
6)	B beta-BHC	4.512	4.019	22896347	159.6E6	8.875	9.208
14)	MA Endrin	6.568	5.780	221.3E6	1476.9E6	45.220	41.218
16)	A 4,4'-DDD	6.702	5.925	738997	5869715	0.180m	0.181m
17)	MA 4,4'-DDT	7.015	6.174	407.3E6	2788.1E6	91.473	81.098
18)	B Endrin al...	6.924	6.246	2009897	10432500	0.586m	0.443
20)	A Methoxychlor	7.486	6.744	499.2E6	2928.2E6	211.850m	168.283
21)	B Endrin ke...	7.625	6.980	1693777	13817284	0.342m	0.383m

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

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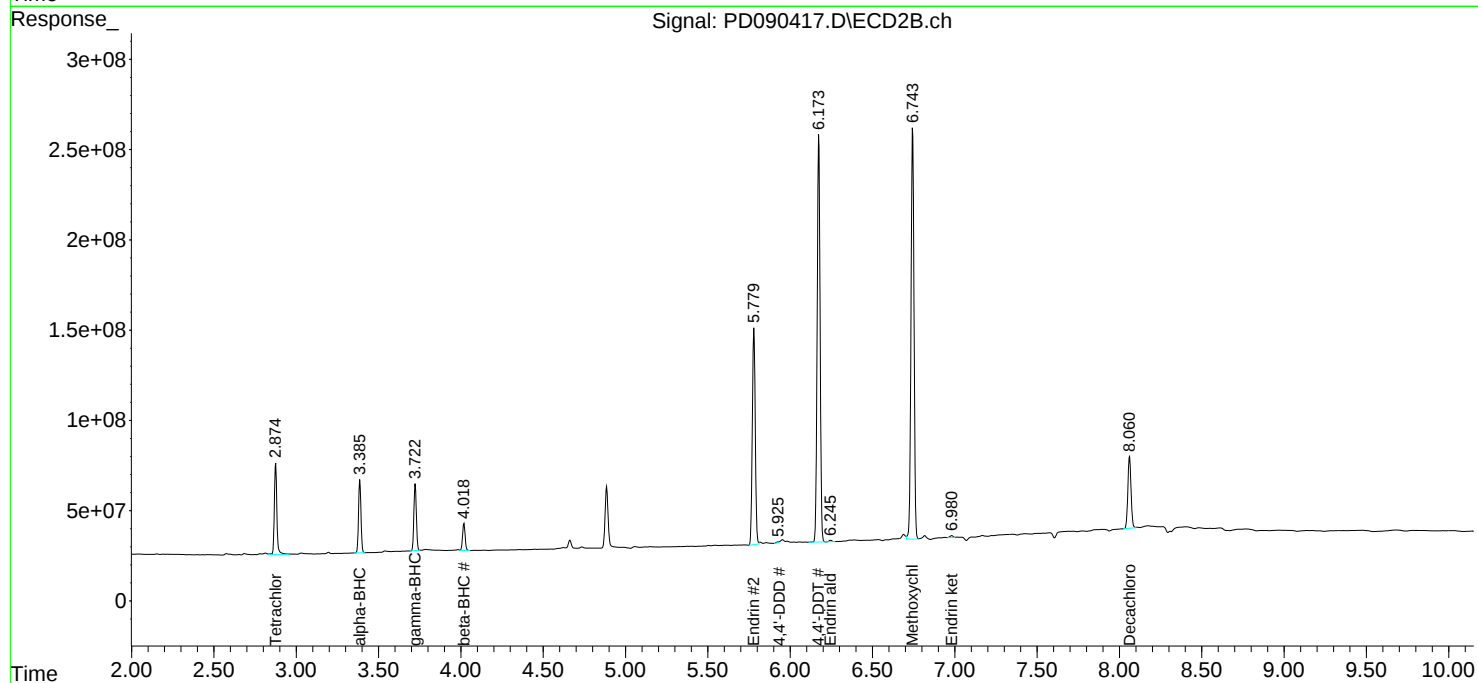
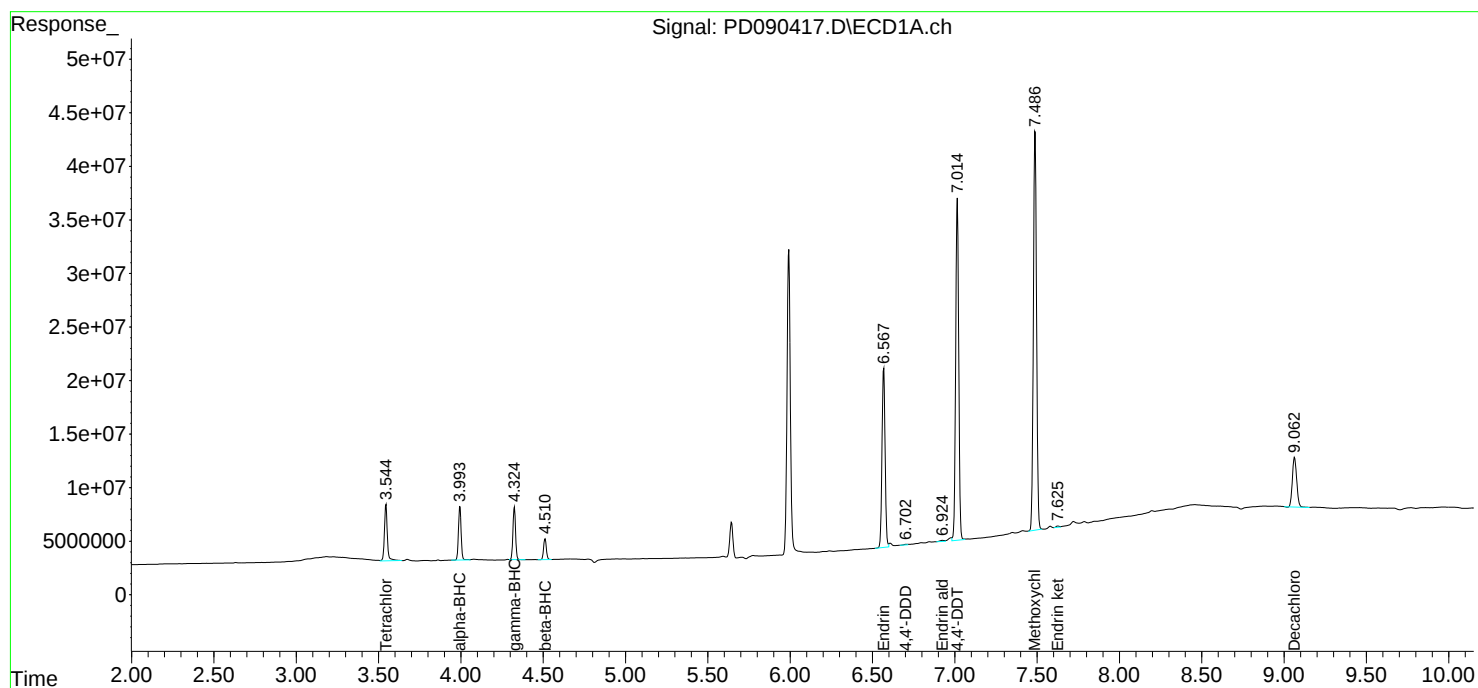
Instrument :
ECD_D
ClientSampleId :
PEM

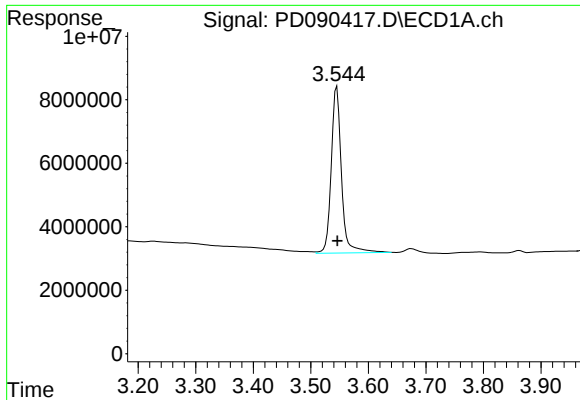
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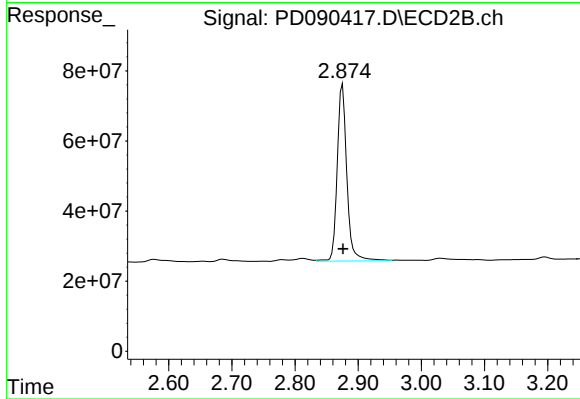
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 65121966
Conc: 20.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

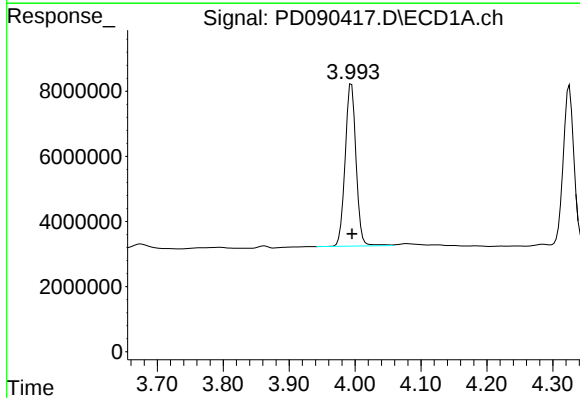
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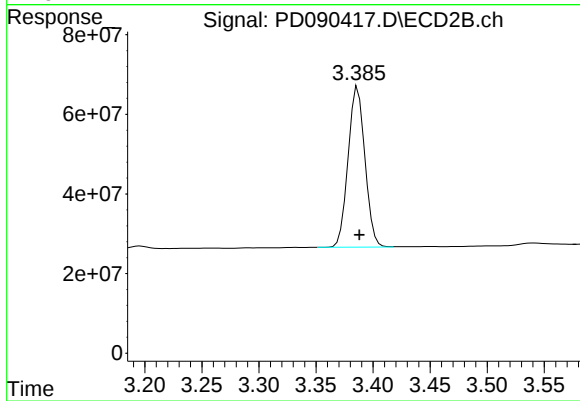
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: 0.000 min
Response: 538019310
Conc: 19.60 ng/ml



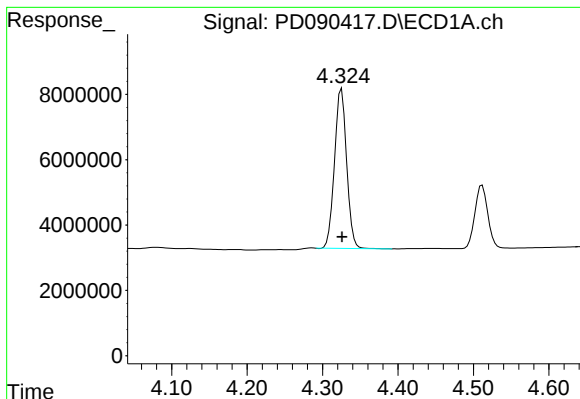
#2 alpha-BHC

R.T.: 3.995 min
Delta R.T.: 0.000 min
Response: 57250974
Conc: 8.20 ng/ml



#2 alpha-BHC

R.T.: 3.387 min
Delta R.T.: -0.001 min
Response: 412724541
Conc: 9.43 ng/ml



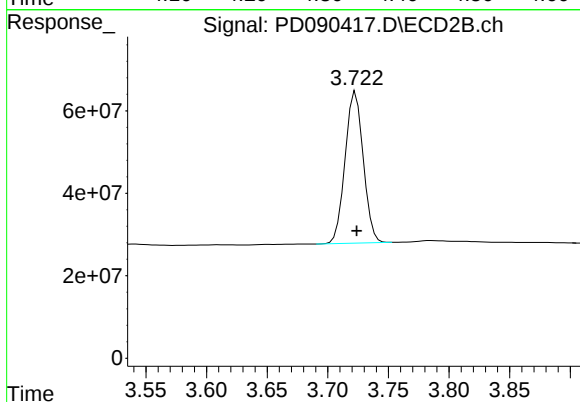
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: 0.000 min
Response: 54713335
Conc: 8.27 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

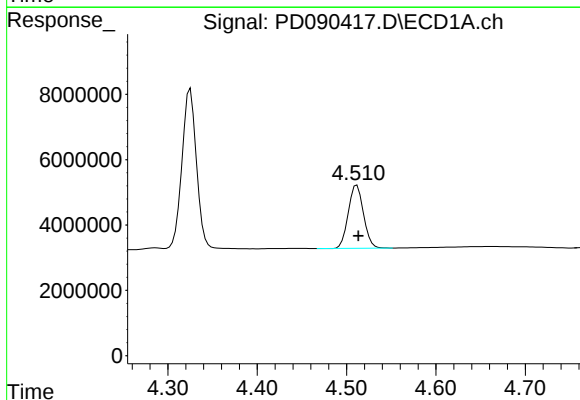
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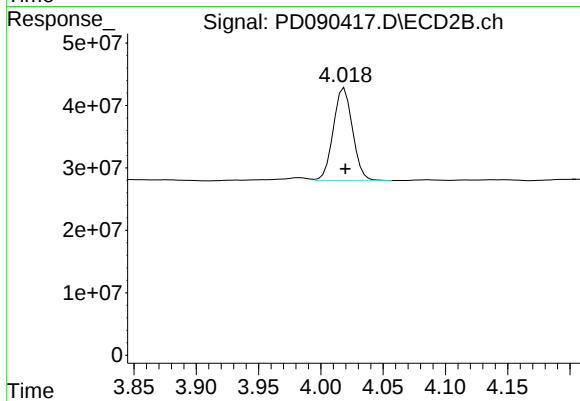
#3 gamma-BHC (Lindane)

R.T.: 3.723 min
Delta R.T.: 0.000 min
Response: 382726097
Conc: 9.40 ng/ml



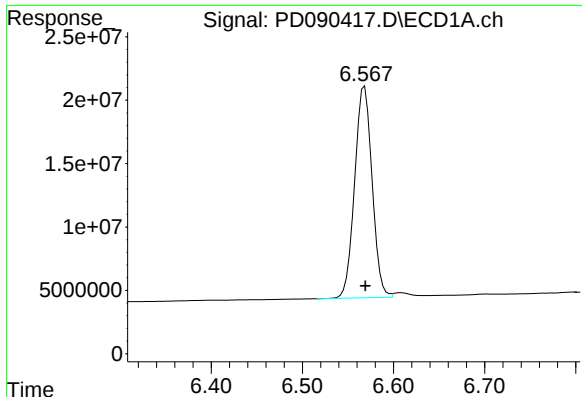
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.002 min
Response: 22896347
Conc: 8.87 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 159617711
Conc: 9.21 ng/ml



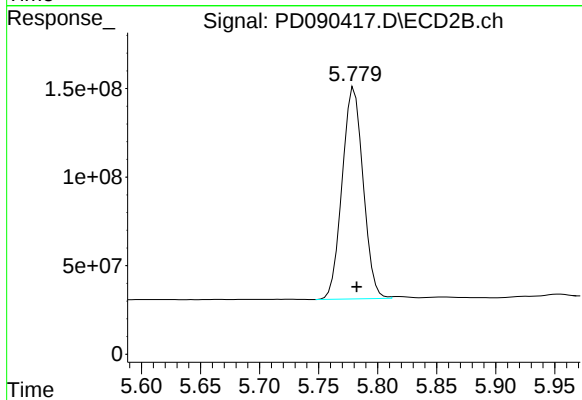
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 221303293
Conc: 45.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

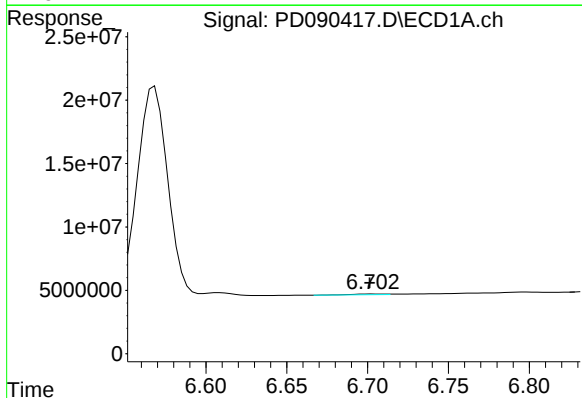
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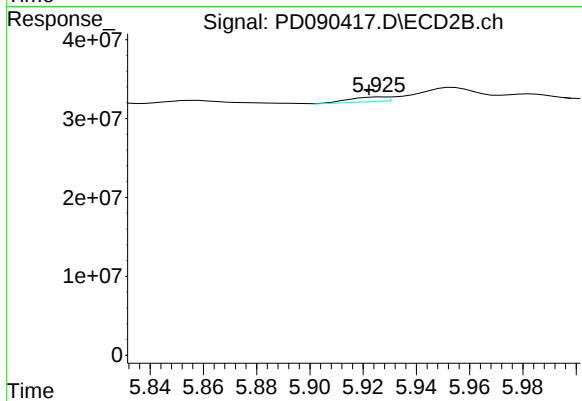
#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1476922309
Conc: 41.22 ng/ml



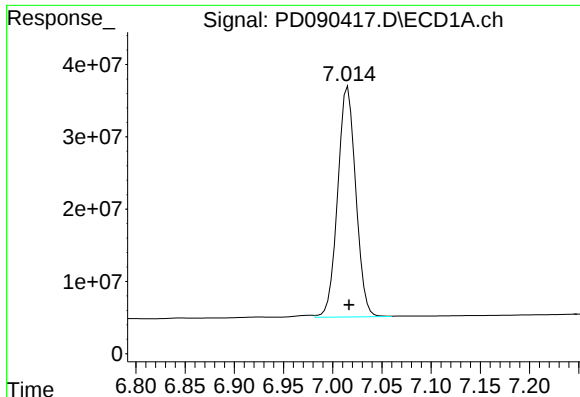
#16 4,4'-DDD

R.T.: 6.702 min
Delta R.T.: 0.000 min
Response: 738997
Conc: 0.18 ng/ml m



#16 4,4'-DDD

R.T.: 5.925 min
Delta R.T.: 0.003 min
Response: 5869715
Conc: 0.18 ng/ml m



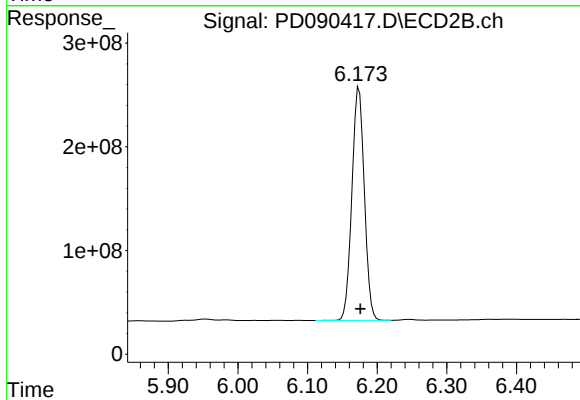
#17 4,4'-DDT

R.T.: 7.015 min
Delta R.T.: -0.001 min
Response: 407277840
Conc: 91.47 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

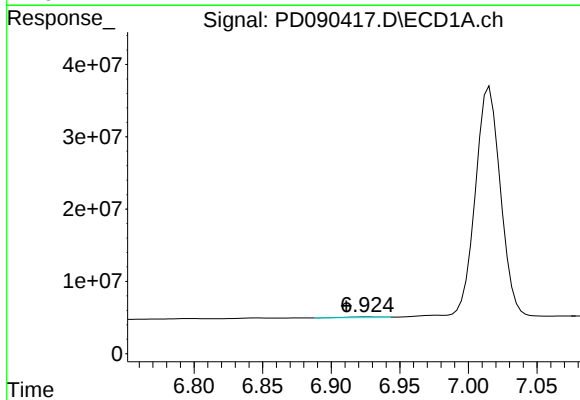
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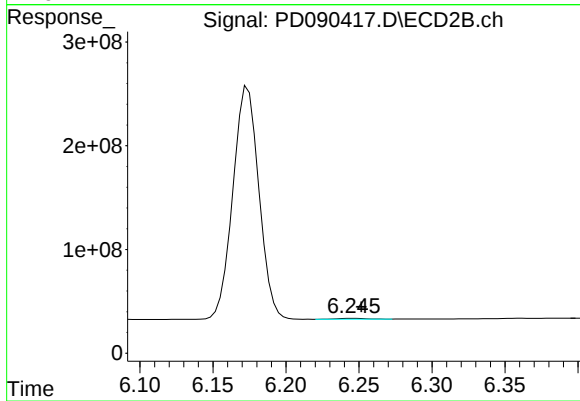
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 2788064185
Conc: 81.10 ng/ml



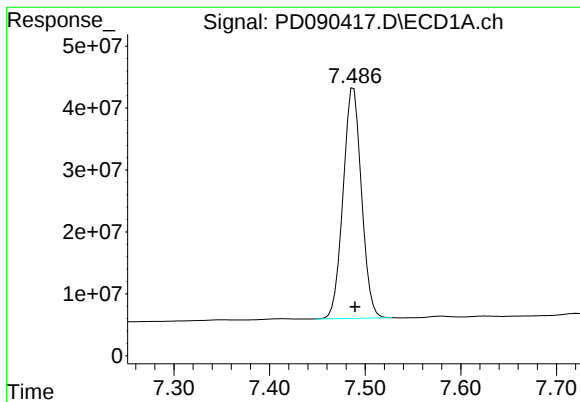
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.013 min
Response: 2009897
Conc: 0.59 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.006 min
Response: 10432500
Conc: 0.44 ng/ml



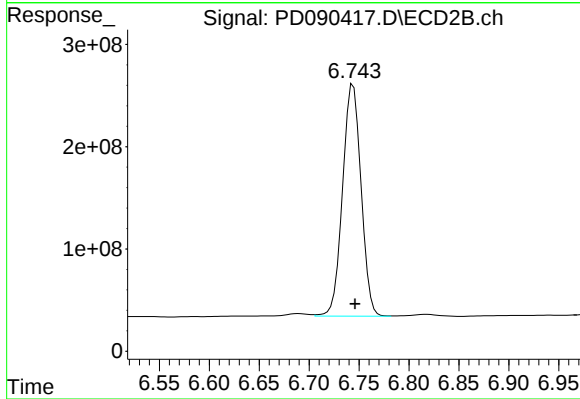
#20 Methoxychlor

R.T.: 7.486 min
Delta R.T.: -0.003 min
Response: 499227552
Conc: 211.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

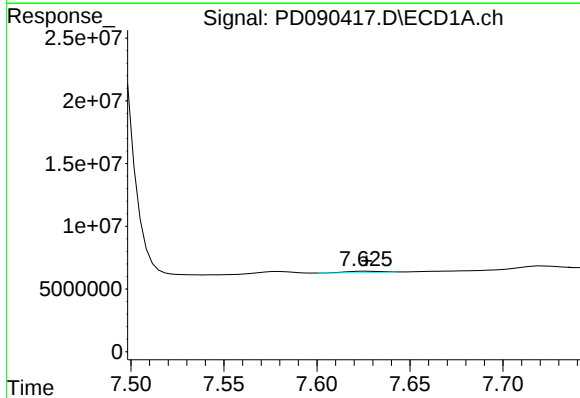
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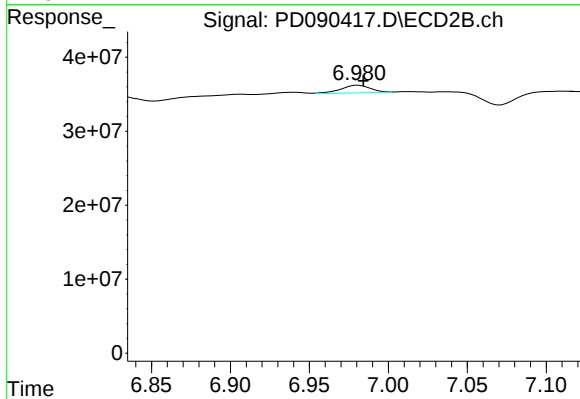
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 2928187638
Conc: 168.28 ng/ml



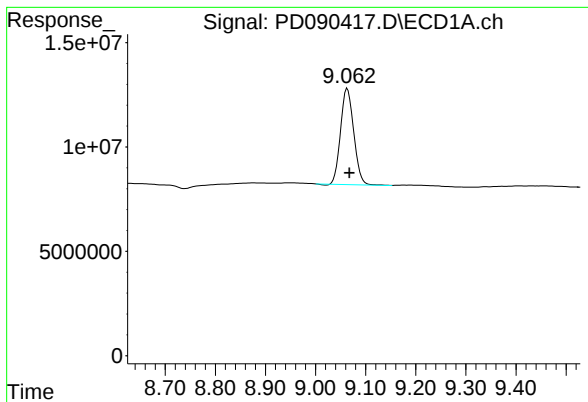
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 1693777
Conc: 0.34 ng/ml m



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.004 min
Response: 13817284
Conc: 0.38 ng/ml m



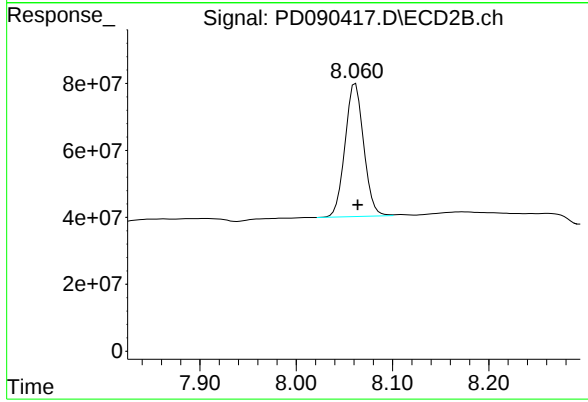
#28 Decachlorobiphenyl

R.T.: 9.063 min
Delta R.T.: -0.004 min
Response: 84492393
Conc: 17.51 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: 532310167
Conc: 16.42 ng/ml