

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD100125\
 Data File : PD090477.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Oct 2025 09:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/03/2025
 Supervised By :mohammad ahmed 10/04/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 03 01:38:59 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	62450407	517.4E6	19.213	18.850
28)	SA Decachlor...	9.065	8.061	102.4E6	651.5E6	21.225	20.100
Target Compounds							
2)	A alpha-BHC	3.994	3.386	60082597	430.8E6	8.602	9.840
3)	MA gamma-BHC...	4.325	3.722	58577455	404.3E6	8.853	9.925
6)	B beta-BHC	4.512	4.019	24922434	172.2E6	9.660	9.936
14)	MA Endrin	6.568	5.780	249.0E6	1665.9E6	50.886	46.492
16)	A 4,4'-DDD	6.699	5.920	1645627	15428742	0.402m	0.476m
17)	MA 4,4'-DDT	7.016	6.174	458.7E6	3129.4E6	103.030	91.026
18)	B Endrin al...	6.924	6.245	1361184	12949363	0.397m	0.550m#
20)	A Methoxychlor	7.489	6.744	567.3E6	3353.9E6	240.747	192.747
21)	B Endrin ke...	7.625	6.980	2709424	26759209	0.548	0.741m#

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

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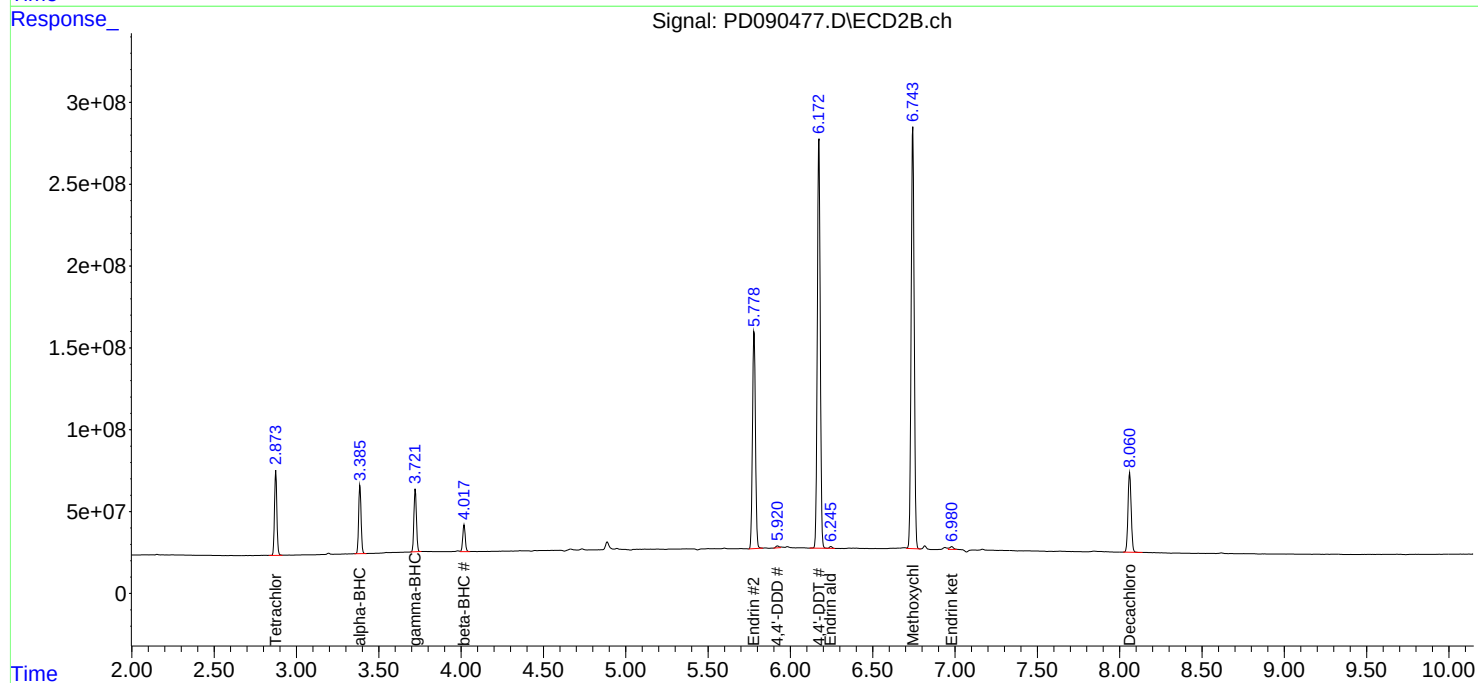
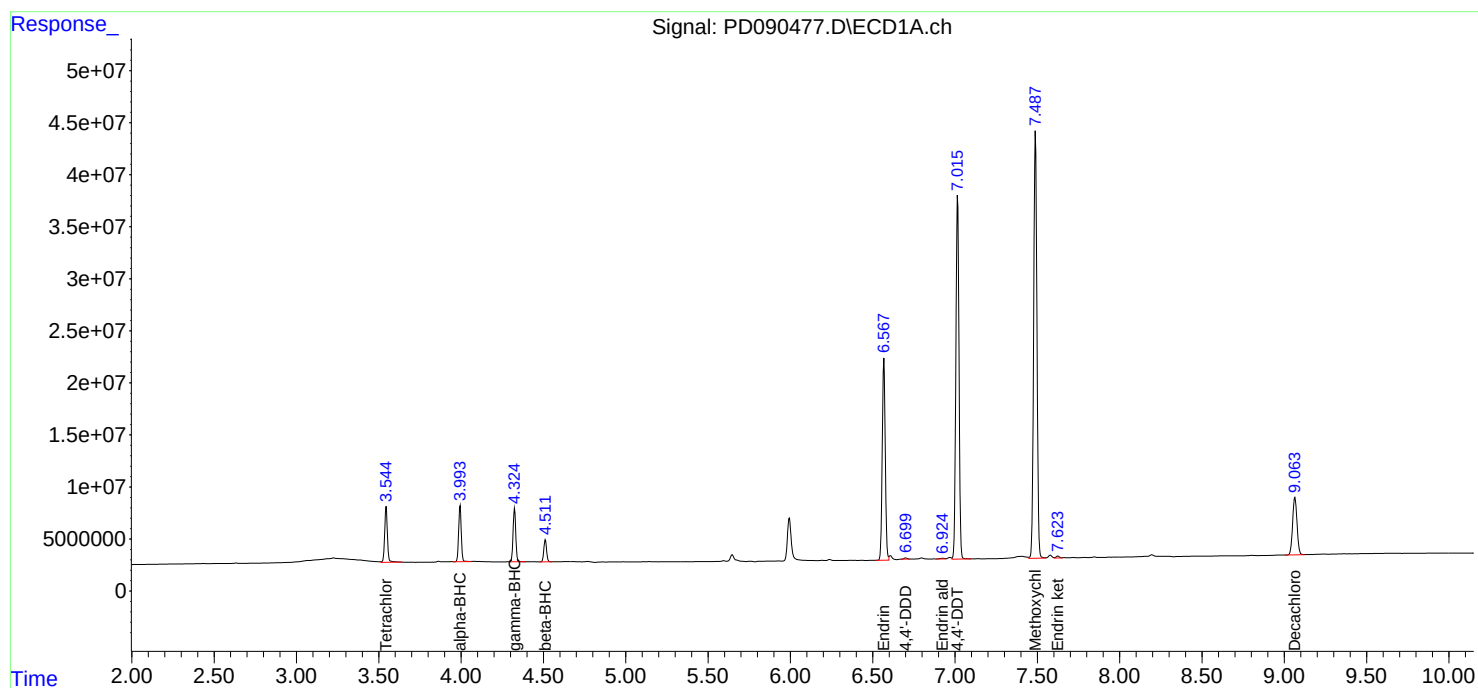
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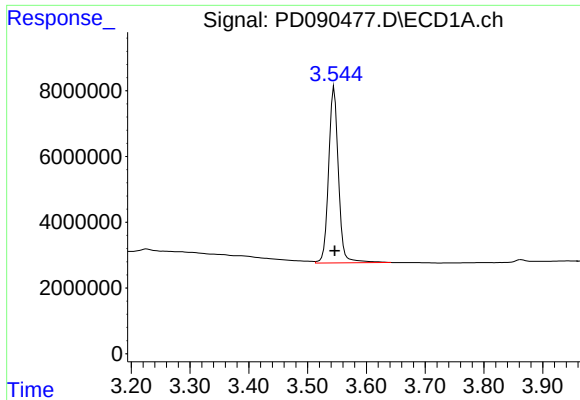
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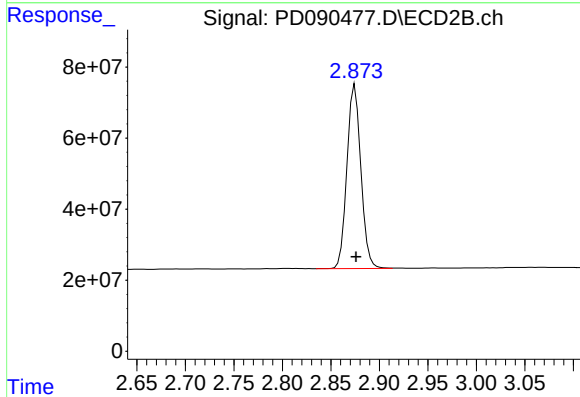
#1 Tetrachloro-m-xylene

R.T.: 3.545 min
Delta R.T.: 0.000 min
Response: 62450407
Conc: 19.21 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

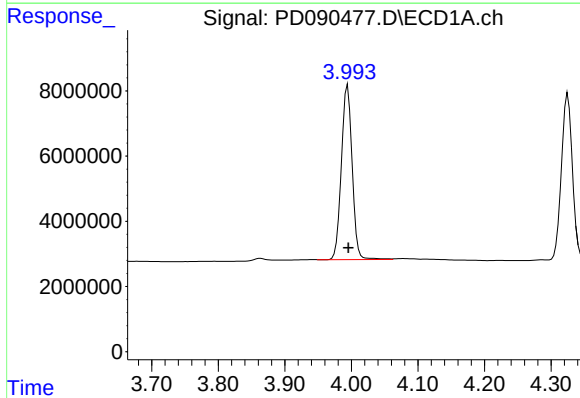
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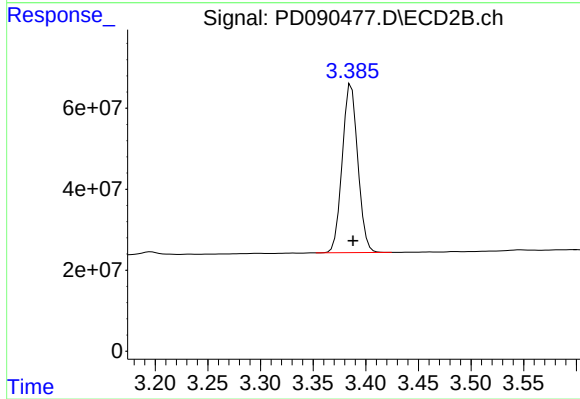
#1 Tetrachloro-m-xylene

R.T.: 2.875 min
Delta R.T.: -0.001 min
Response: 517422348
Conc: 18.85 ng/ml



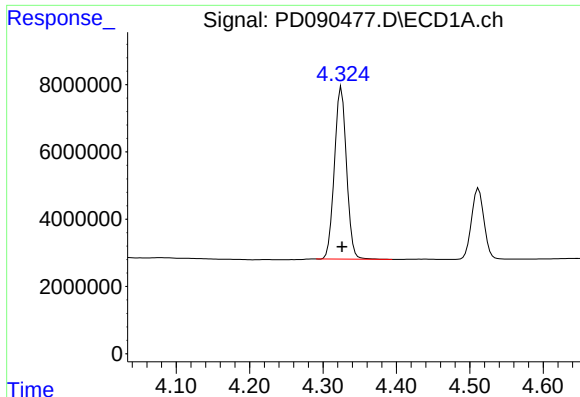
#2 alpha-BHC

R.T.: 3.994 min
Delta R.T.: -0.001 min
Response: 60082597
Conc: 8.60 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: -0.002 min
Response: 430845656
Conc: 9.84 ng/ml



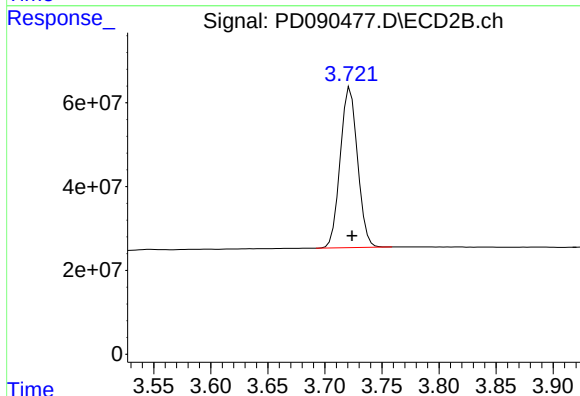
#3 gamma-BHC (Lindane)

R.T.: 4.325 min
Delta R.T.: -0.001 min
Response: 58577455
Conc: 8.85 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

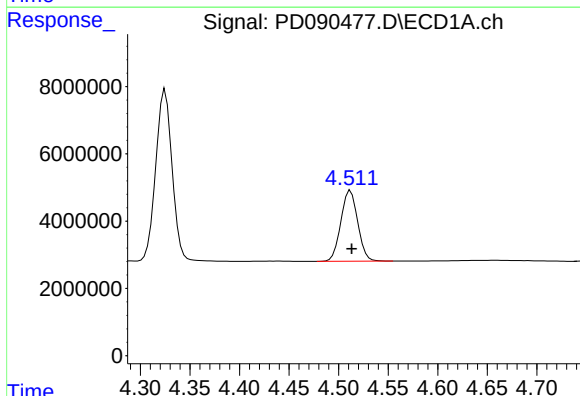
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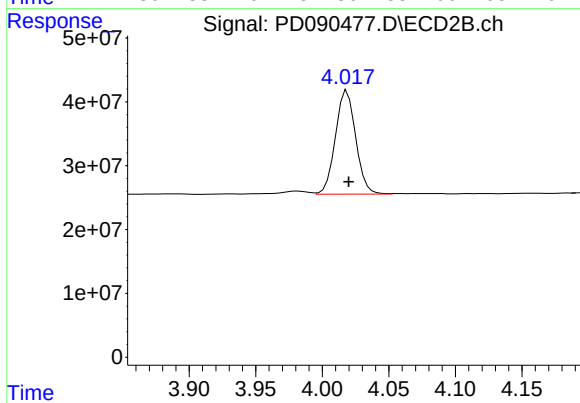
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: -0.002 min
Response: 404293384
Conc: 9.92 ng/ml



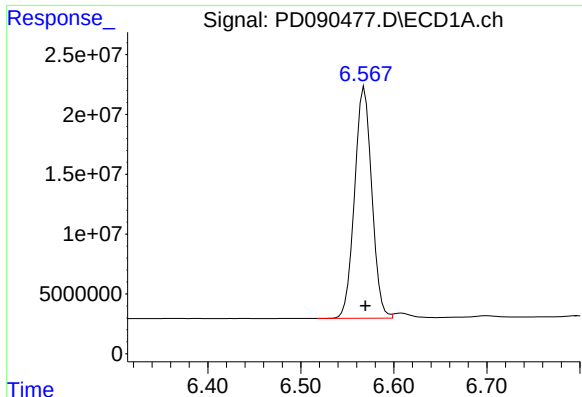
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: -0.001 min
Response: 24922434
Conc: 9.66 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: -0.001 min
Response: 172246965
Conc: 9.94 ng/ml



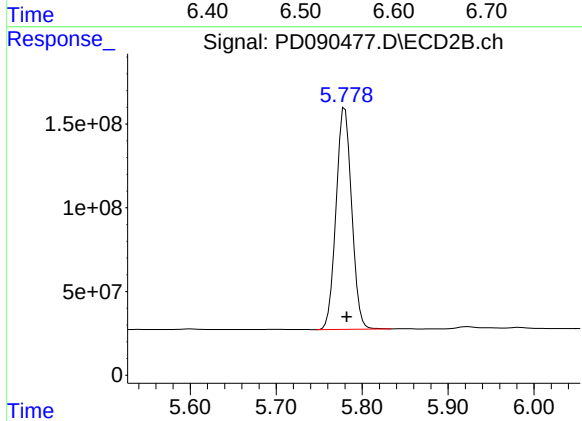
#14 Endrin

R.T.: 6.568 min
Delta R.T.: -0.001 min
Response: 249034535
Conc: 50.89 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

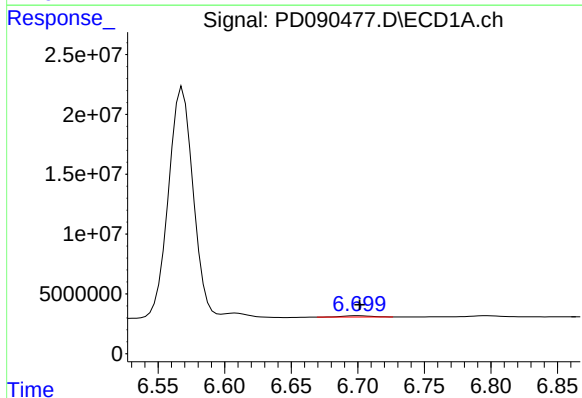
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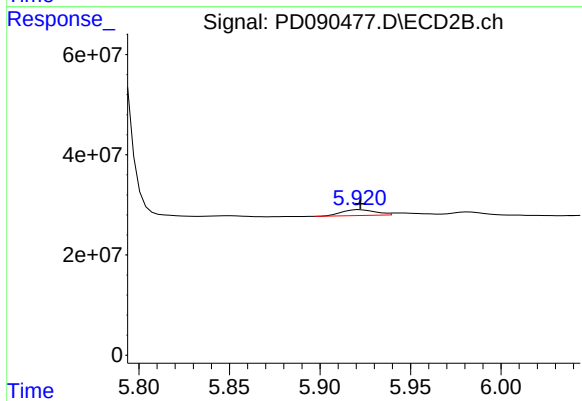
#14 Endrin

R.T.: 5.780 min
Delta R.T.: -0.002 min
Response: 1665922700
Conc: 46.49 ng/ml



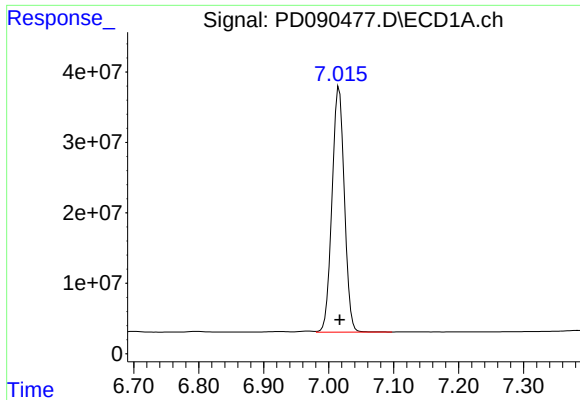
#16 4,4'-DDD

R.T.: 6.699 min
Delta R.T.: -0.002 min
Response: 1645627
Conc: 0.40 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.002 min
Response: 15428742
Conc: 0.48 ng/ml m



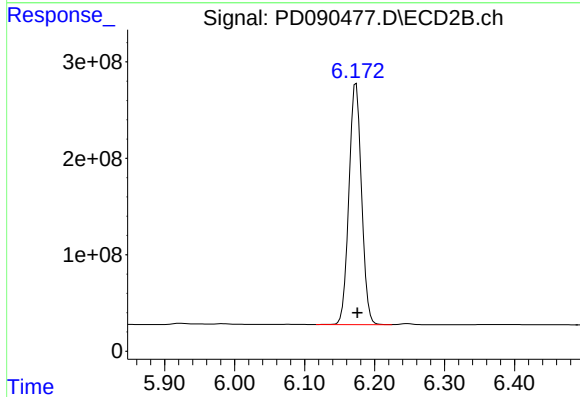
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 458737429
Conc: 103.03 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

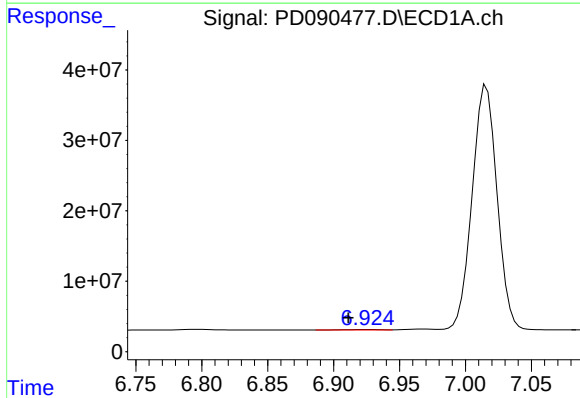
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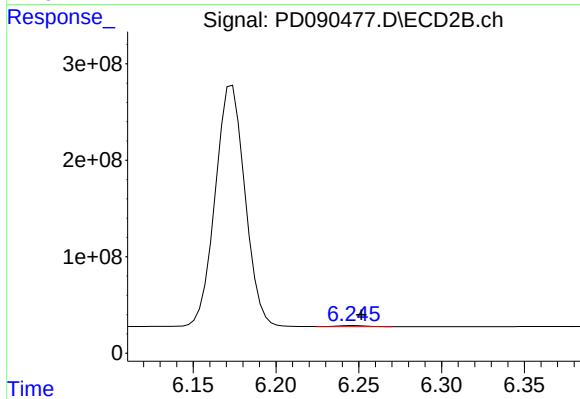
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: -0.002 min
Response: 3129383284
Conc: 91.03 ng/ml



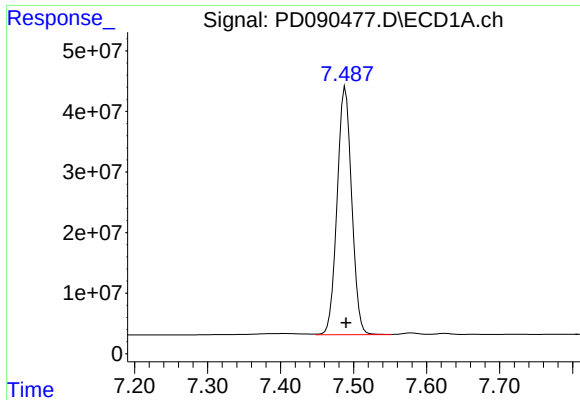
#18 Endrin aldehyde

R.T.: 6.924 min
Delta R.T.: 0.013 min
Response: 1361184
Conc: 0.40 ng/ml m



#18 Endrin aldehyde

R.T.: 6.245 min
Delta R.T.: -0.006 min
Response: 12949363
Conc: 0.55 ng/ml m



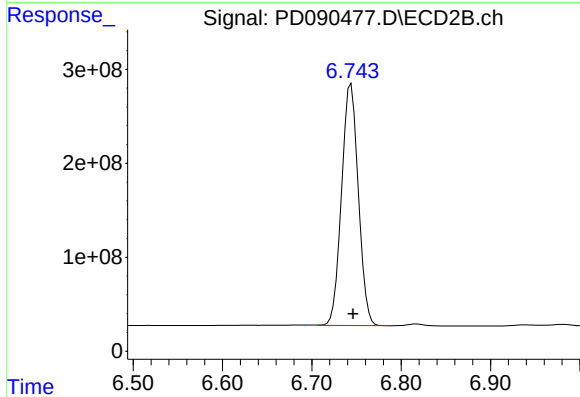
#20 Methoxychlor

R.T.: 7.489 min
Delta R.T.: 0.000 min
Response: 567322325
Conc: 240.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

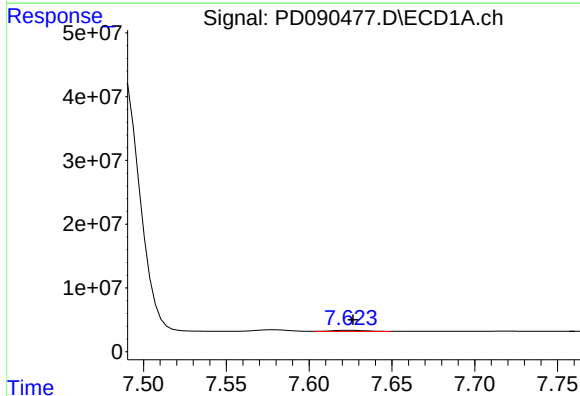
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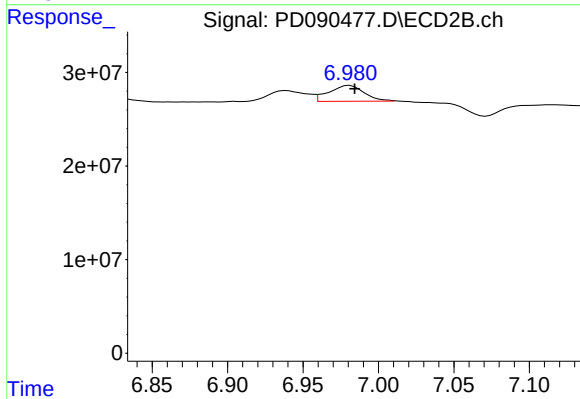
#20 Methoxychlor

R.T.: 6.744 min
Delta R.T.: -0.002 min
Response: 3353862072
Conc: 192.75 ng/ml



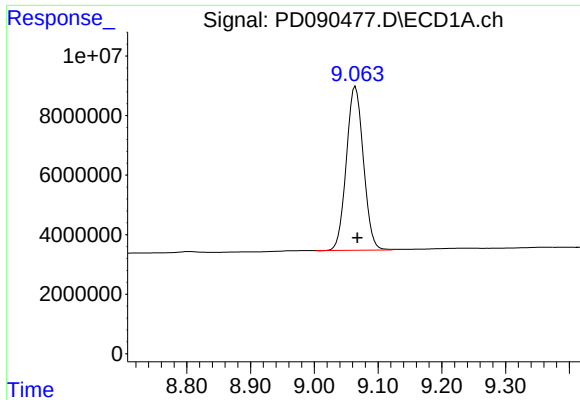
#21 Endrin ketone

R.T.: 7.625 min
Delta R.T.: -0.002 min
Response: 2709424
Conc: 0.55 ng/ml



#21 Endrin ketone

R.T.: 6.980 min
Delta R.T.: -0.005 min
Response: 26759209
Conc: 0.74 ng/ml m



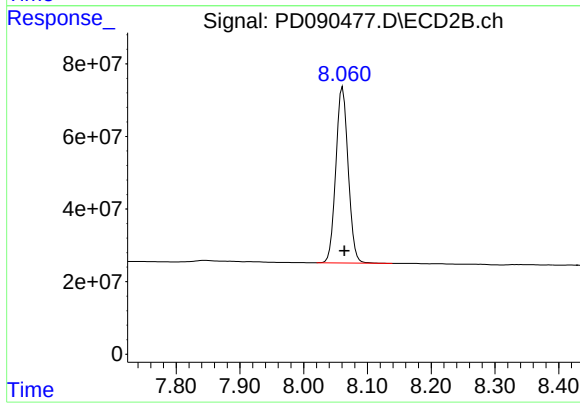
#28 Decachlorobiphenyl

R.T.: 9.065 min
Delta R.T.: -0.003 min
Response: 102411678
Conc: 21.22 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.061 min
Delta R.T.: -0.003 min
Response: 651526153
Conc: 20.10 ng/ml