

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD102125\
 Data File : PD090745.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 21 Oct 2025 19:24
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By :Abdul Mirza 10/24/2025
 Supervised By :mohammad ahmed 10/28/2025

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Oct 23 13:12:44 2025
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD101725.M
 Quant Title : GC Extractables
 QLast Update : Fri Oct 17 17:43:28 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...	3.544	2.874	70637002	685.4E6	22.682	23.019
28)	SA Decachlor...	9.067	8.062	108.5E6	774.6E6	23.189	25.570
Target Compounds							
2)	A alpha-BHC	3.993	3.386	68984293	577.4E6	9.612	11.300
3)	MA gamma-BHC...	4.324	3.722	68071537	534.9E6	10.012	11.320
6)	B beta-BHC	4.512	4.019	28837446	221.0E6	11.008	11.146
14)	MA Endrin	6.569	5.780	271.3E6	2239.7E6	54.768	55.310
16)	A 4,4'-DDD	6.700	5.920	7617105	87980756	1.879m	2.415m#
17)	MA 4,4'-DDT	7.016	6.174	453.4E6	3867.0E6	110.307	110.256
18)	B Endrin al...	6.911	6.246	1448972	19867740	0.396m	0.717m#
20)	A Methoxychlor	7.490	6.745	541.4E6	4019.1E6	254.713	230.616
21)	B Endrin ke...	7.626	6.982	5854152	49591571	1.205	1.315

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

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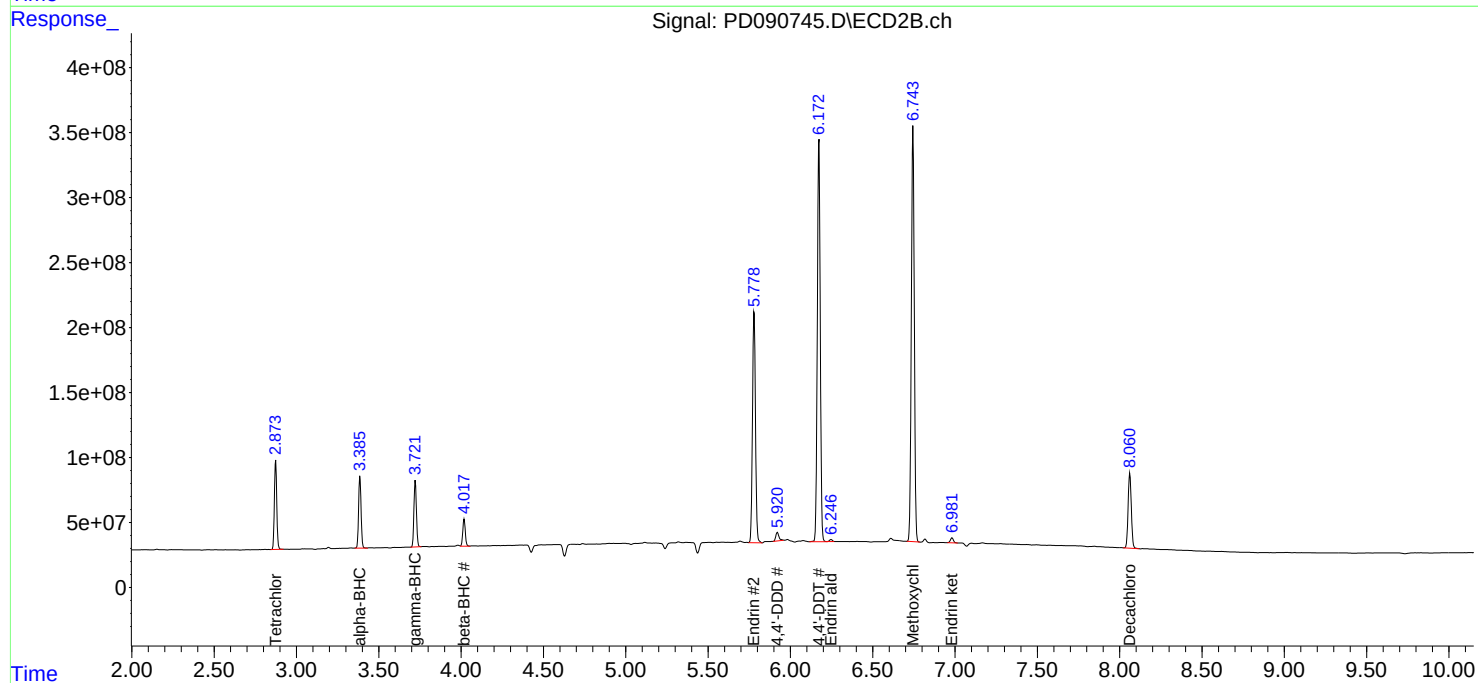
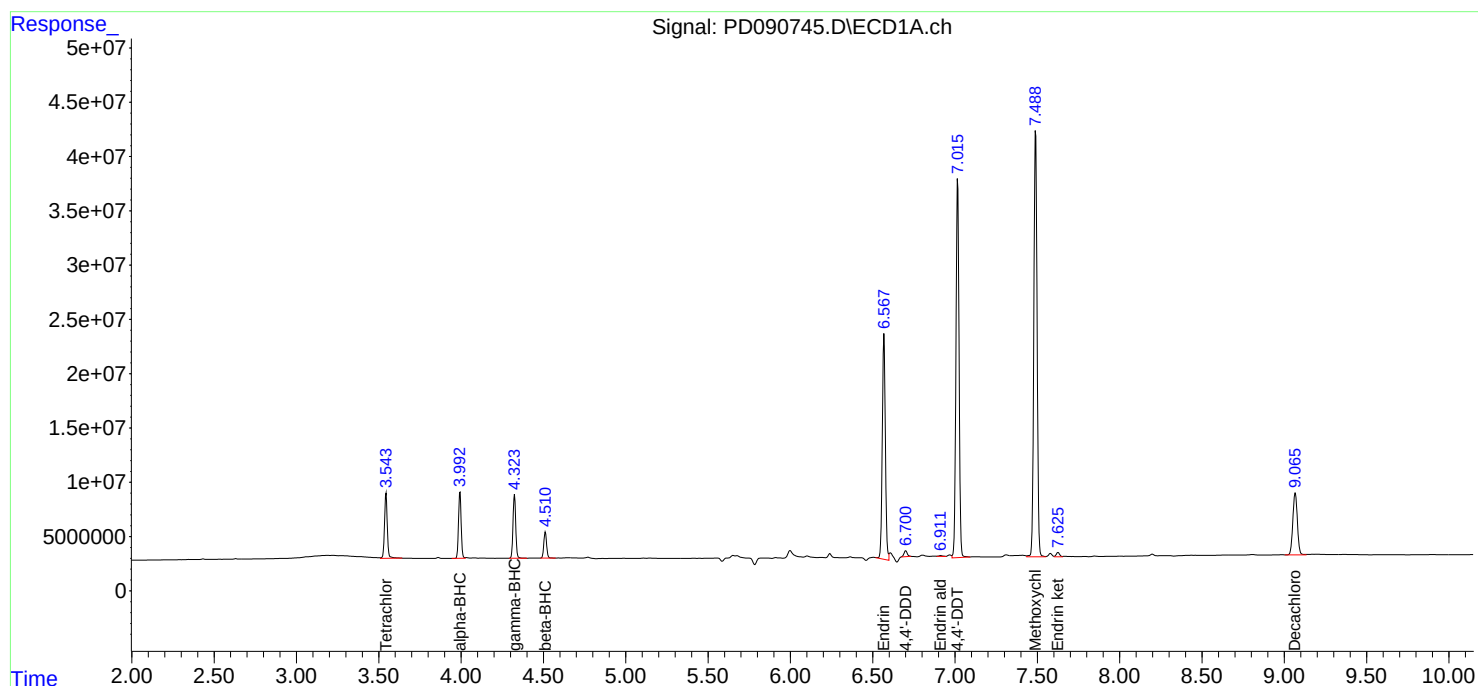
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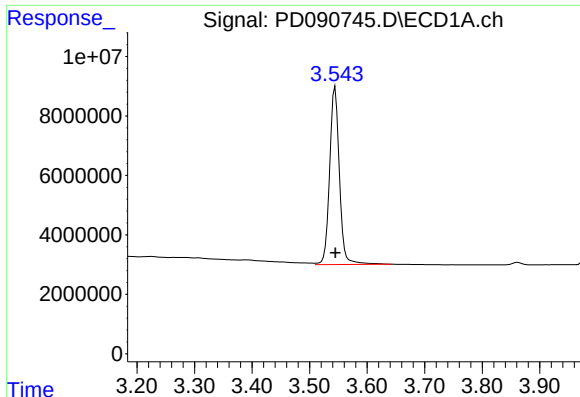
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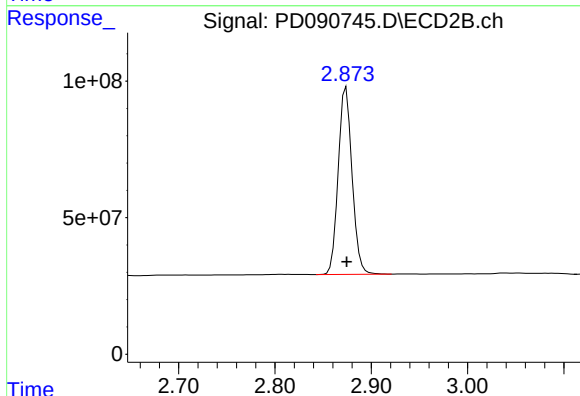
#1 Tetrachloro-m-xylene

R.T.: 3.544 min
Delta R.T.: 0.000 min
Response: 70637002
Conc: 22.68 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

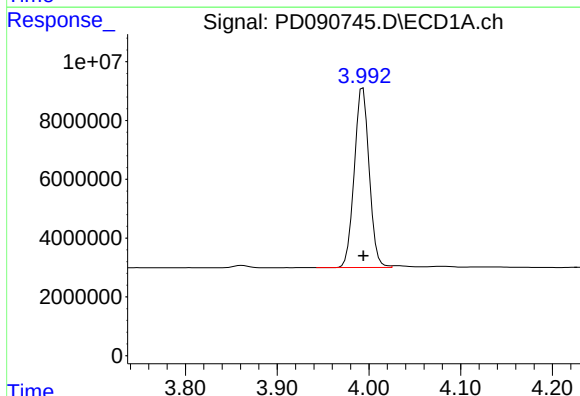
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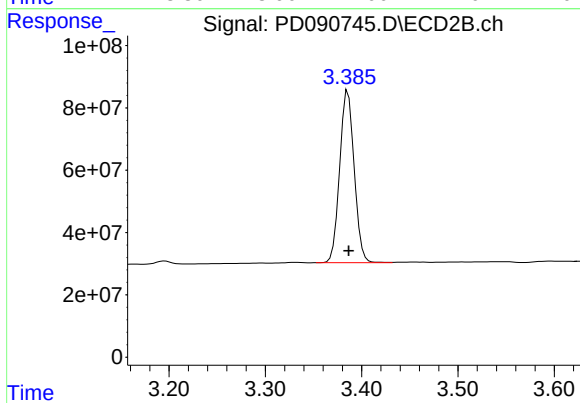
#1 Tetrachloro-m-xylene

R.T.: 2.874 min
Delta R.T.: 0.000 min
Response: 685435544
Conc: 23.02 ng/ml



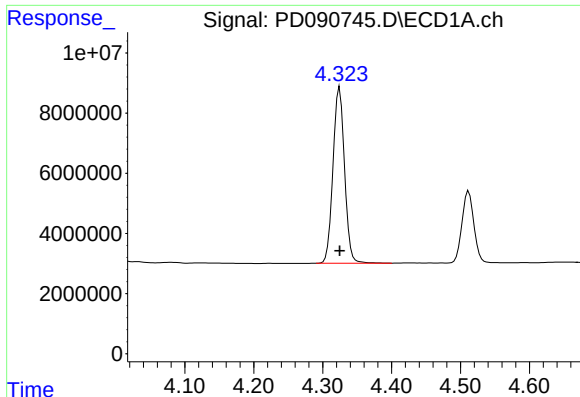
#2 alpha-BHC

R.T.: 3.993 min
Delta R.T.: 0.000 min
Response: 68984293
Conc: 9.61 ng/ml



#2 alpha-BHC

R.T.: 3.386 min
Delta R.T.: 0.000 min
Response: 577380786
Conc: 11.30 ng/ml



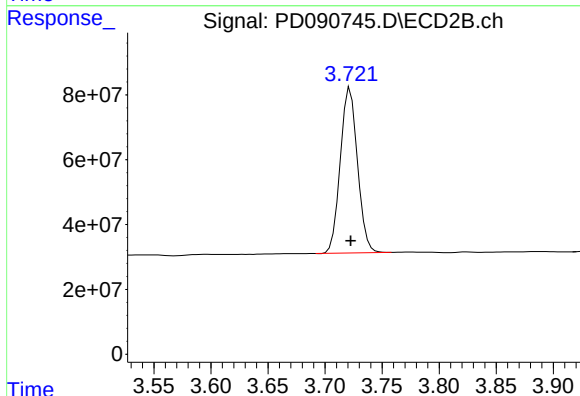
#3 gamma-BHC (Lindane)

R.T.: 4.324 min
Delta R.T.: 0.000 min
Response: 68071537
Conc: 10.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

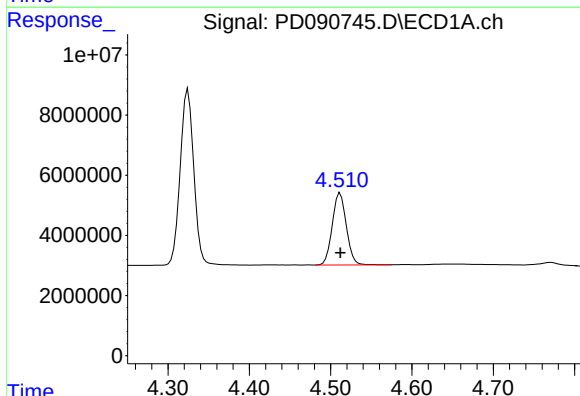
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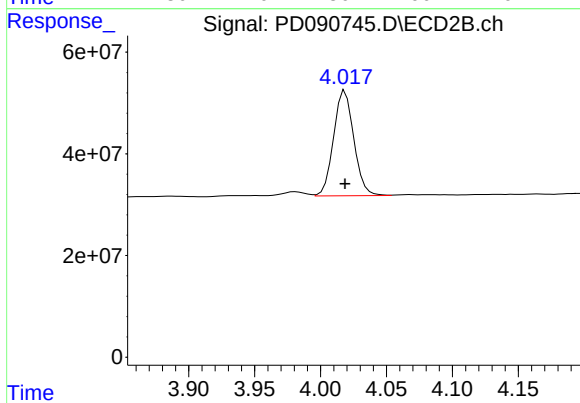
#3 gamma-BHC (Lindane)

R.T.: 3.722 min
Delta R.T.: 0.000 min
Response: 534873309
Conc: 11.32 ng/ml



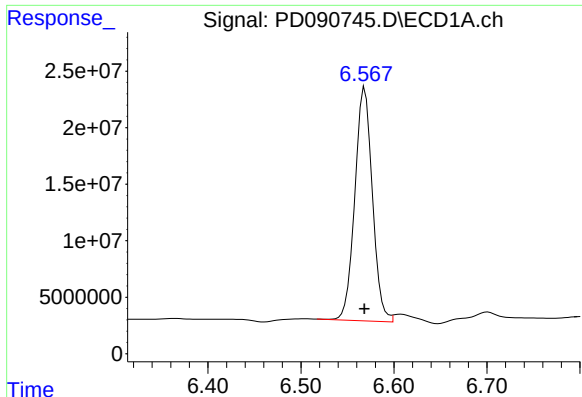
#6 beta-BHC

R.T.: 4.512 min
Delta R.T.: 0.000 min
Response: 28837446
Conc: 11.01 ng/ml



#6 beta-BHC

R.T.: 4.019 min
Delta R.T.: 0.000 min
Response: 221023049
Conc: 11.15 ng/ml



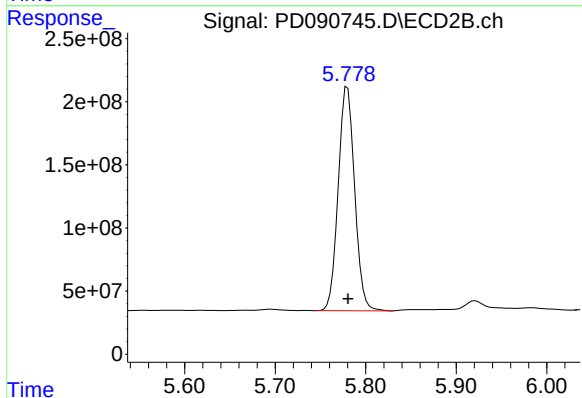
#14 Endrin

R.T.: 6.569 min
Delta R.T.: 0.000 min
Response: 271303381
Conc: 54.77 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

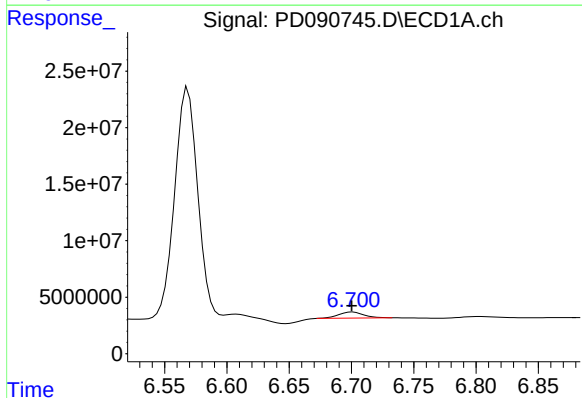
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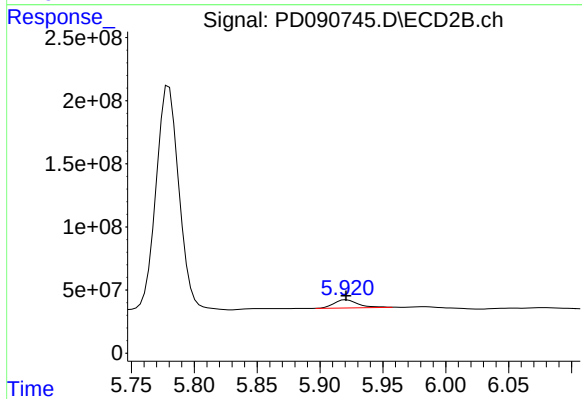
#14 Endrin

R.T.: 5.780 min
Delta R.T.: 0.000 min
Response: 2239722354
Conc: 55.31 ng/ml



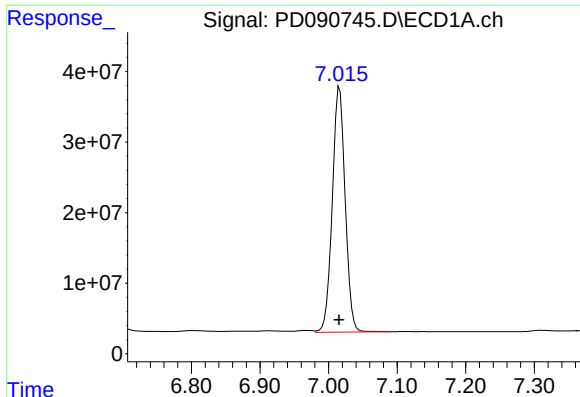
#16 4,4'-DDD

R.T.: 6.700 min
Delta R.T.: 0.000 min
Response: 7617105
Conc: 1.88 ng/ml m



#16 4,4'-DDD

R.T.: 5.920 min
Delta R.T.: -0.001 min
Response: 87980756
Conc: 2.41 ng/ml m



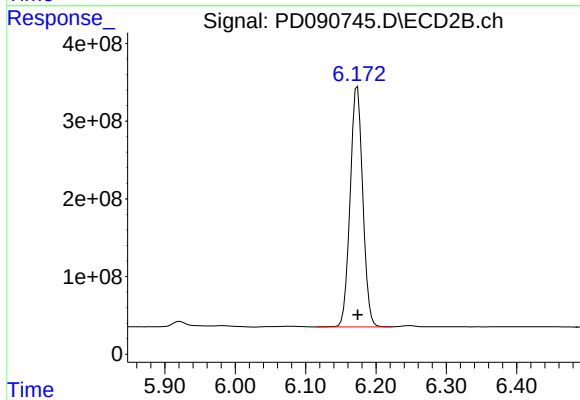
#17 4,4'-DDT

R.T.: 7.016 min
Delta R.T.: 0.000 min
Response: 453414085
Conc: 110.31 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

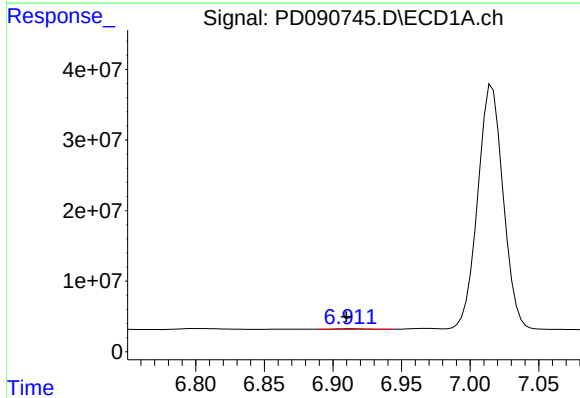
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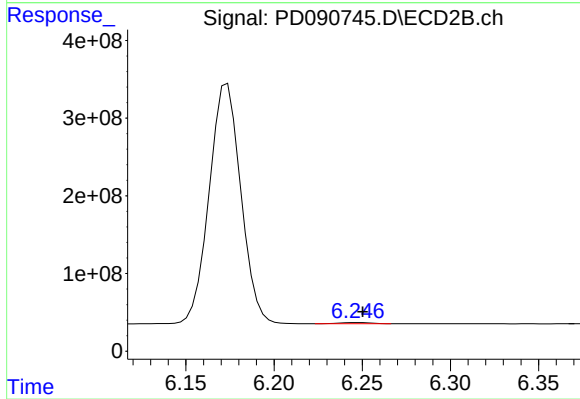
#17 4,4'-DDT

R.T.: 6.174 min
Delta R.T.: 0.000 min
Response: 3867032984
Conc: 110.26 ng/ml



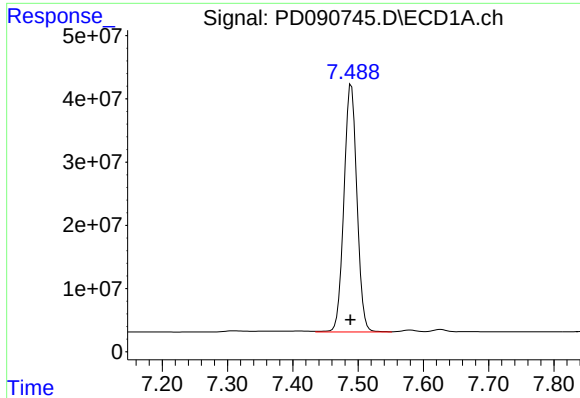
#18 Endrin aldehyde

R.T.: 6.911 min
Delta R.T.: 0.001 min
Response: 1448972
Conc: 0.40 ng/ml m



#18 Endrin aldehyde

R.T.: 6.246 min
Delta R.T.: -0.004 min
Response: 19867740
Conc: 0.72 ng/ml m



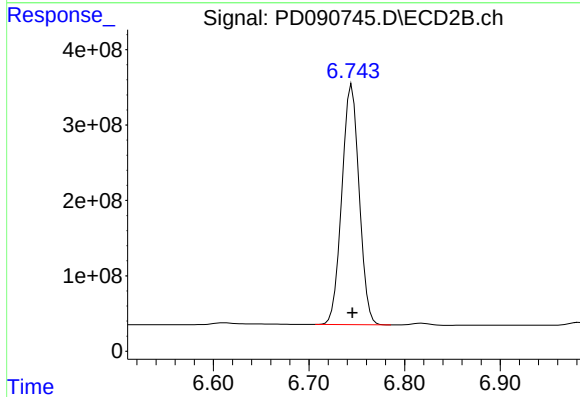
#20 Methoxychlor

R.T.: 7.490 min
Delta R.T.: 0.001 min
Response: 541415120
Conc: 254.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

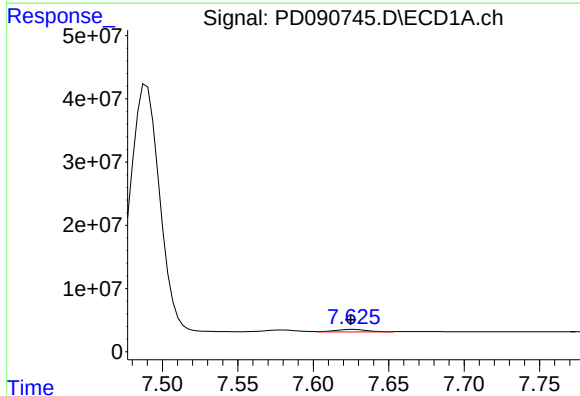
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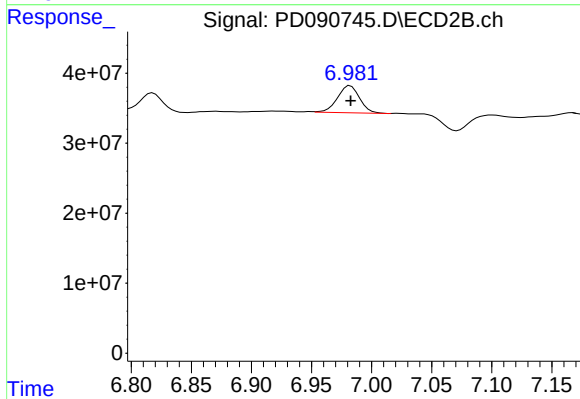
#20 Methoxychlor

R.T.: 6.745 min
Delta R.T.: 0.000 min
Response: 4019129944
Conc: 230.62 ng/ml



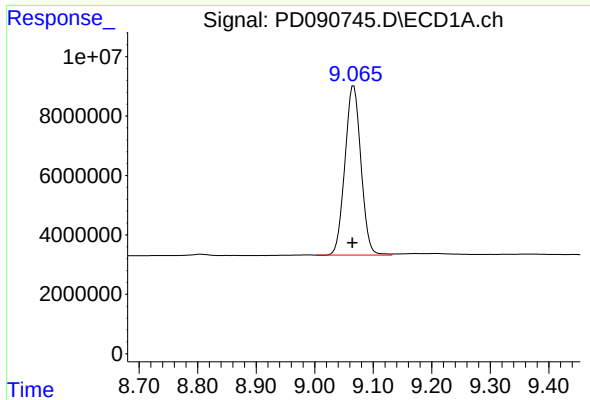
#21 Endrin ketone

R.T.: 7.626 min
Delta R.T.: 0.002 min
Response: 5854152
Conc: 1.20 ng/ml



#21 Endrin ketone

R.T.: 6.982 min
Delta R.T.: 0.000 min
Response: 49591571
Conc: 1.31 ng/ml



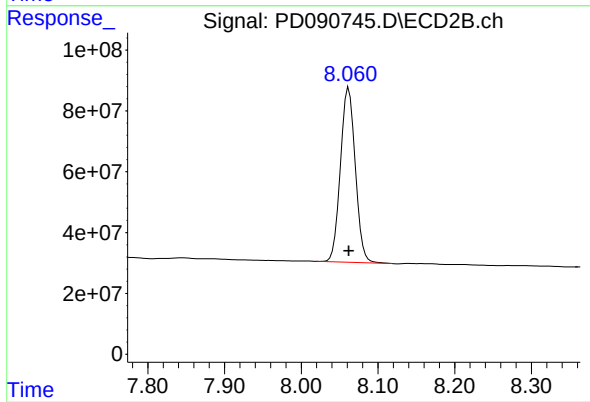
#28 Decachlorobiphenyl

R.T.: 9.067 min
Delta R.T.: 0.002 min
Response: 108475404
Conc: 23.19 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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#28 Decachlorobiphenyl

R.T.: 8.062 min
Delta R.T.: 0.000 min
Response: 774560818
Conc: 25.57 ng/ml