

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD082323\
 Data File : PD077337.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 23 Aug 2023 08:41
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 08/24/2023
 Supervised By : mohammad ahmed 08/25/2023

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Aug 23 22:44:59 2023
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD080323.M
 Quant Title : GC Extractables
 QLast Update : Thu Aug 03 14:17:41 2023
 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...	3.543	2.761	49837380	28754299	21.060	21.110
28)	SA Decachlor...	9.087	7.902	57822376	28177984	21.102	19.690
Target Compounds							
2)	A alpha-BHC	4.000	3.263	38125828	19682440	9.929	10.175
3)	MA gamma-BHC...	4.333	3.592	36556190	18289979	9.932	9.831
6)	B beta-BHC	4.530	3.890	17448583	8876584	11.595	11.635
12)	B 4,4'-DDE	6.204	5.217	1718832	1073114	0.579	0.740m#
14)	MA Endrin	6.589	5.625	130.7E6	69288372	47.043	47.353
16)	A 4,4'-DDD	6.722	5.772	7721472	3857023	3.282	3.468
17)	MA 4,4'-DDT	7.038	6.024	246.0E6	121.1E6	101.182	108.946
18)	B Endrin al...	6.939	6.099	3742971	3044890	1.713	2.675 #
20)	A Methoxychlor	7.514	6.599	333.8E6	145.3E6	235.578	243.063
21)	B Endrin ke...	7.660	6.828	8602014	5061534	2.856	3.192

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

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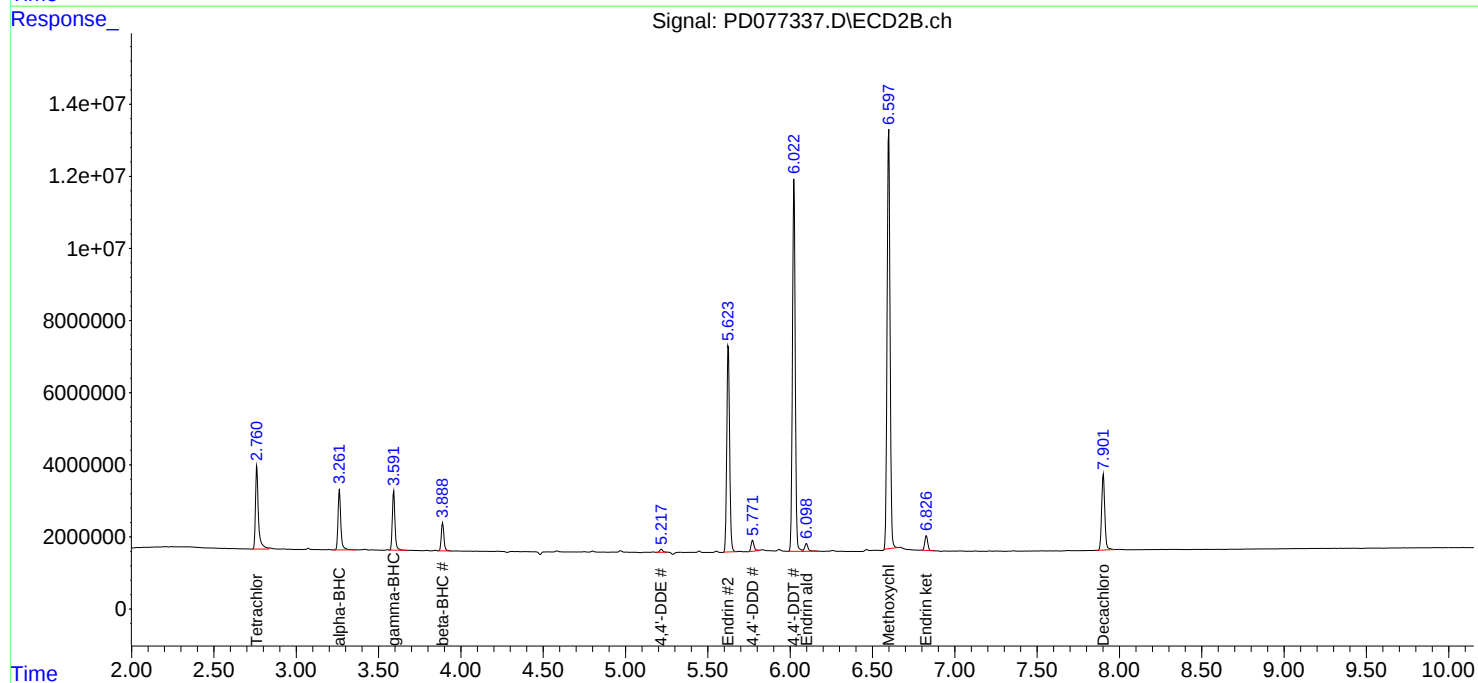
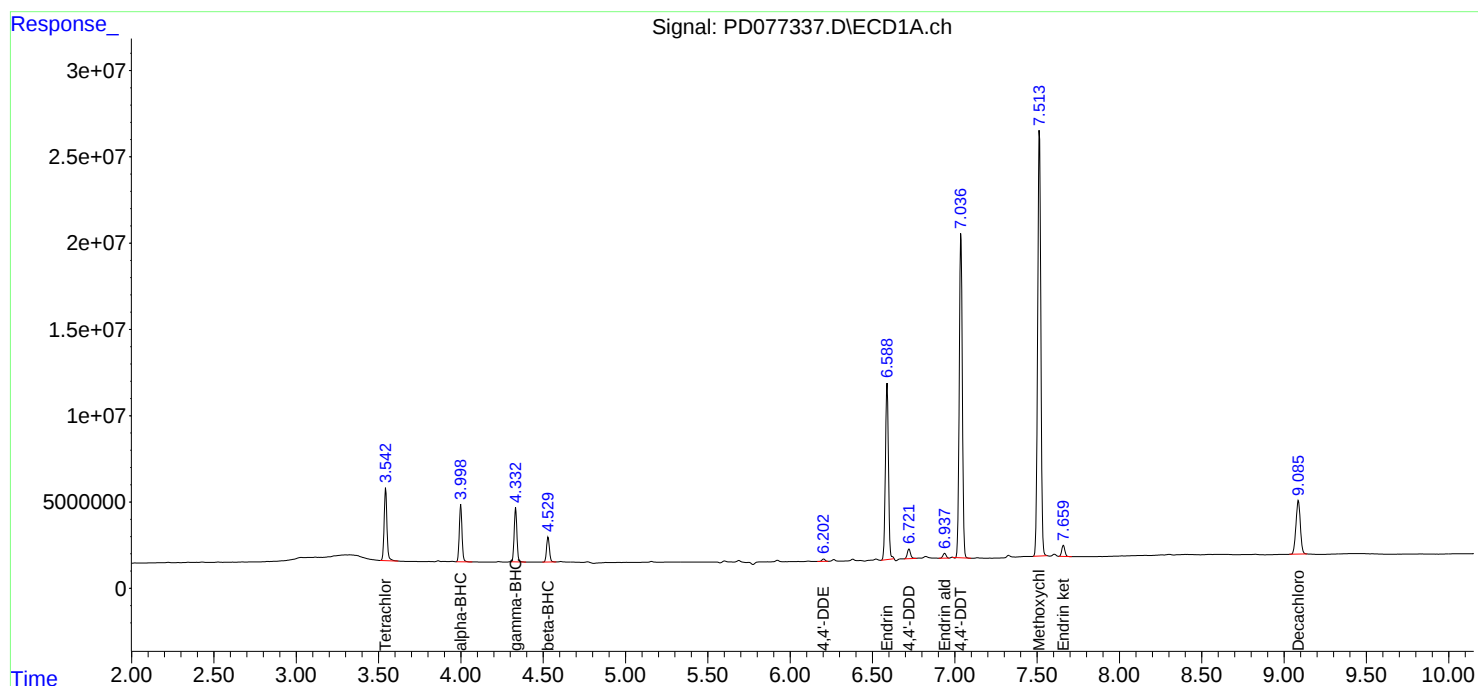
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 ECD_D
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 PEM

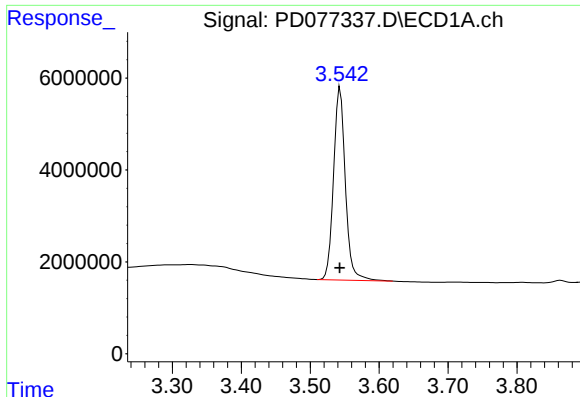
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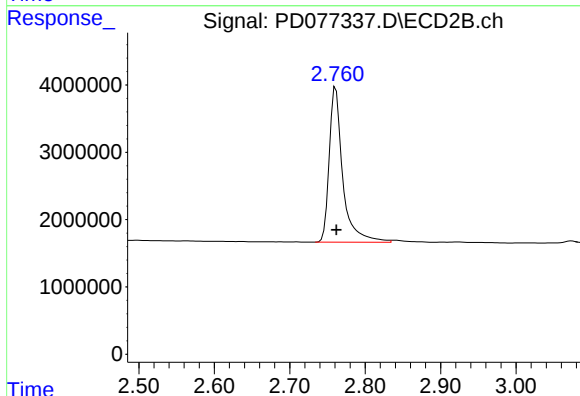
#1 Tetrachloro-m-xylene

R.T.: 3.543 min
Delta R.T.: 0.000 min
Response: 49837380
Conc: 21.06 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

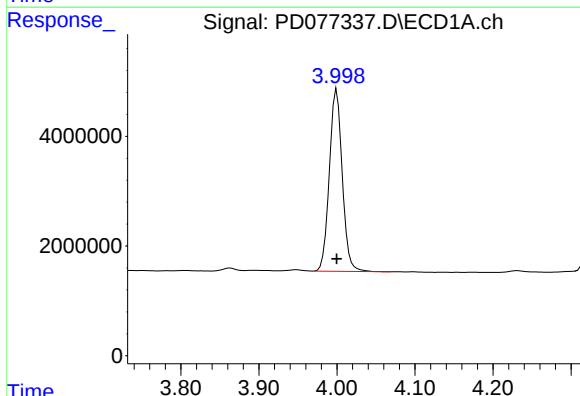
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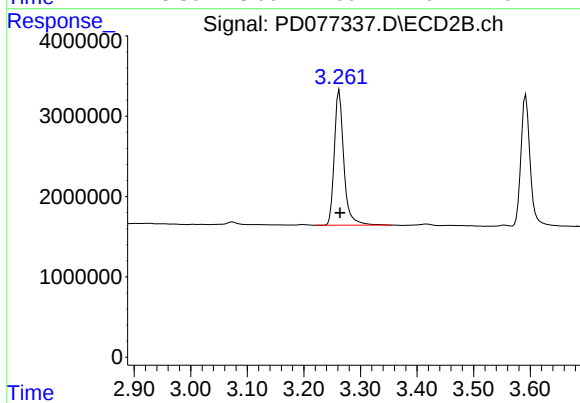
#1 Tetrachloro-m-xylene

R.T.: 2.761 min
Delta R.T.: 0.000 min
Response: 28754299
Conc: 21.11 ng/ml



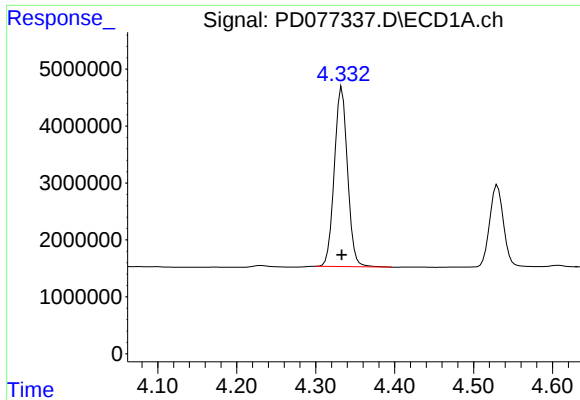
#2 alpha-BHC

R.T.: 4.000 min
Delta R.T.: 0.000 min
Response: 38125828
Conc: 9.93 ng/ml



#2 alpha-BHC

R.T.: 3.263 min
Delta R.T.: -0.001 min
Response: 19682440
Conc: 10.18 ng/ml



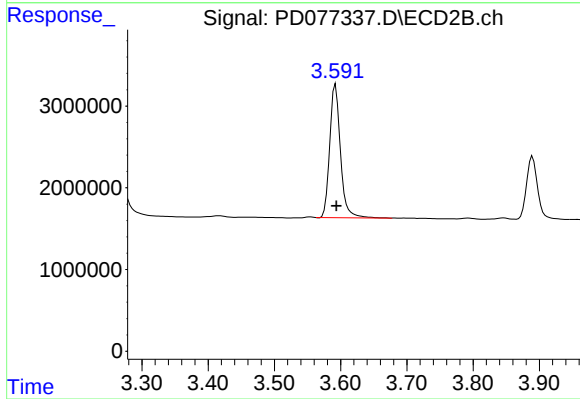
#3 gamma-BHC (Lindane)

R.T.: 4.333 min
Delta R.T.: 0.000 min
Response: 36556190
Conc: 9.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

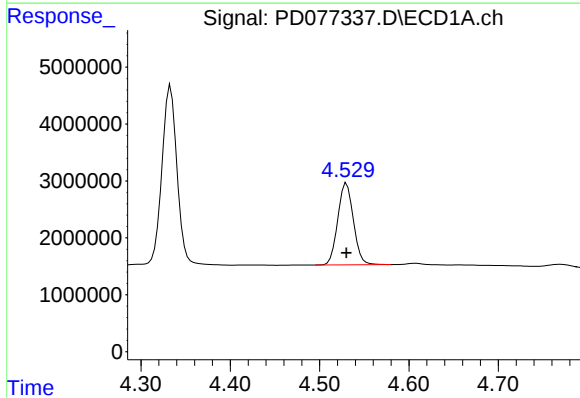
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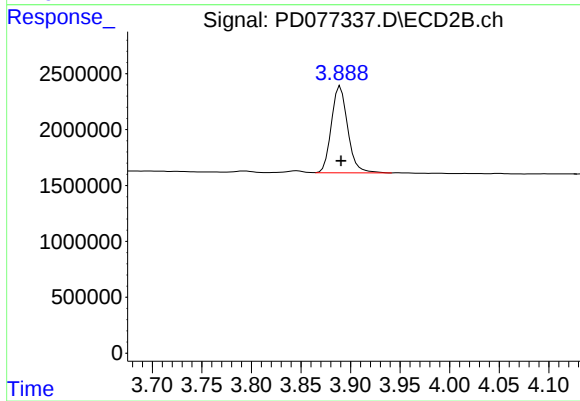
#3 gamma-BHC (Lindane)

R.T.: 3.592 min
Delta R.T.: -0.001 min
Response: 18289979
Conc: 9.83 ng/ml



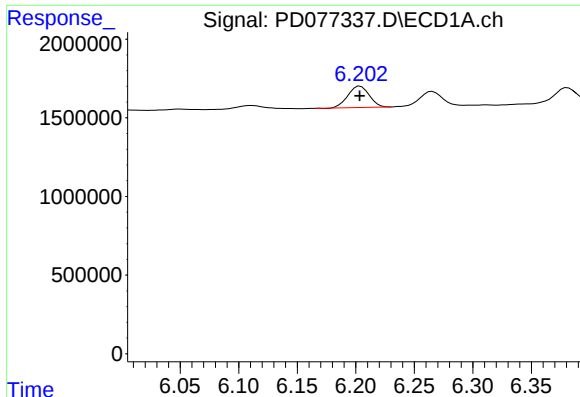
#6 beta-BHC

R.T.: 4.530 min
Delta R.T.: 0.000 min
Response: 17448583
Conc: 11.60 ng/ml



#6 beta-BHC

R.T.: 3.890 min
Delta R.T.: 0.000 min
Response: 8876584
Conc: 11.64 ng/ml



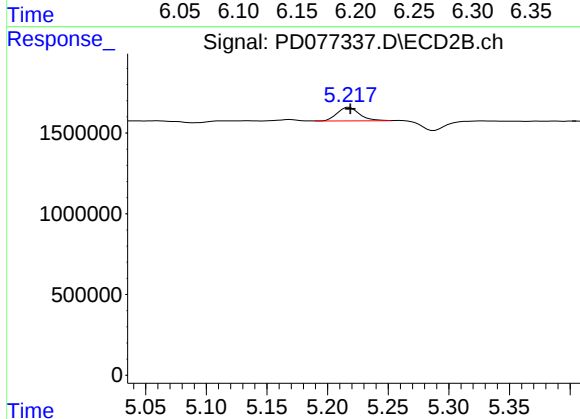
#12 4,4'-DDE

R.T.: 6.204 min
Delta R.T.: 0.000 min
Response: 1718832
Conc: 0.58 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

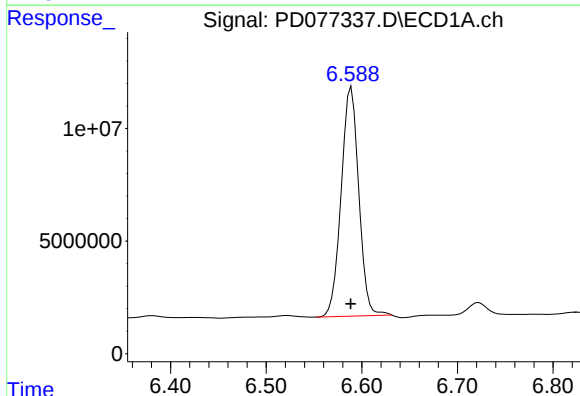
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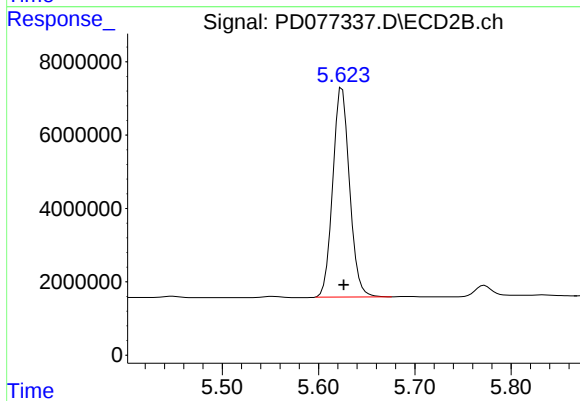
#12 4,4'-DDE

R.T.: 5.217 min
Delta R.T.: -0.002 min
Response: 1073114
Conc: 0.74 ng/ml m



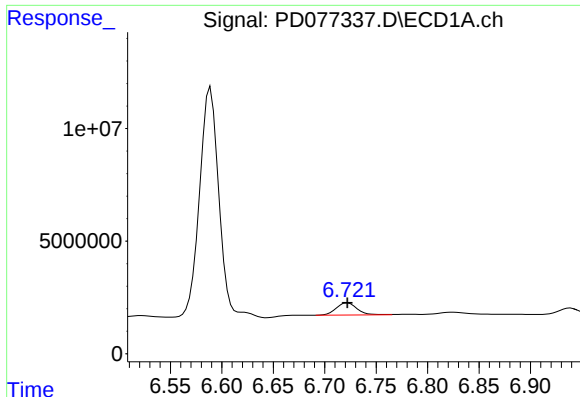
#14 Endrin

R.T.: 6.589 min
Delta R.T.: 0.000 min
Response: 130718074
Conc: 47.04 ng/ml



#14 Endrin

R.T.: 5.625 min
Delta R.T.: -0.002 min
Response: 69288372
Conc: 47.35 ng/ml



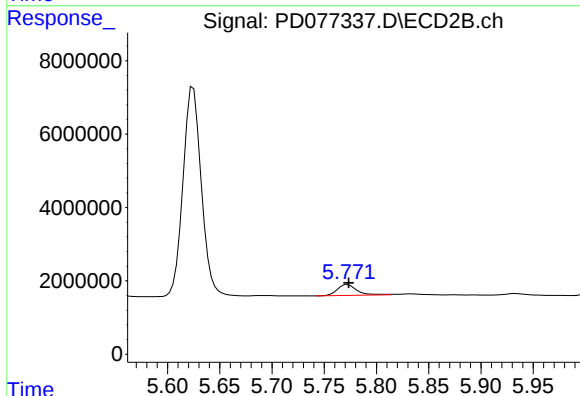
#16 4,4'-DDD

R.T.: 6.722 min
Delta R.T.: 0.000 min
Response: 7721472
Conc: 3.28 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

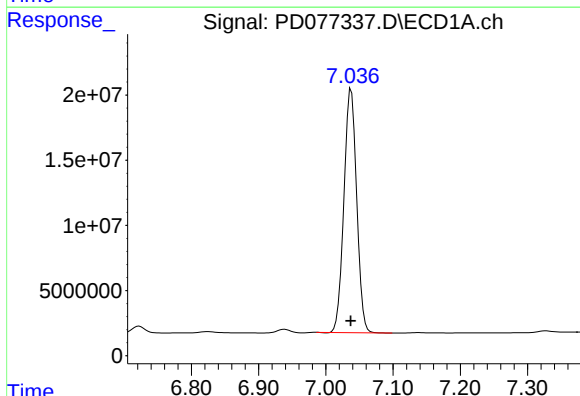
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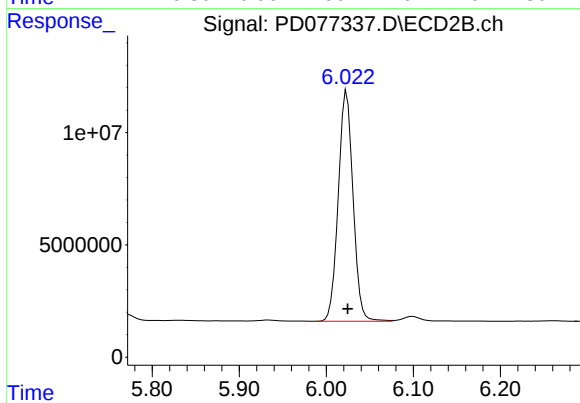
#16 4,4'-DDD

R.T.: 5.772 min
Delta R.T.: -0.001 min
Response: 3857023
Conc: 3.47 ng/ml



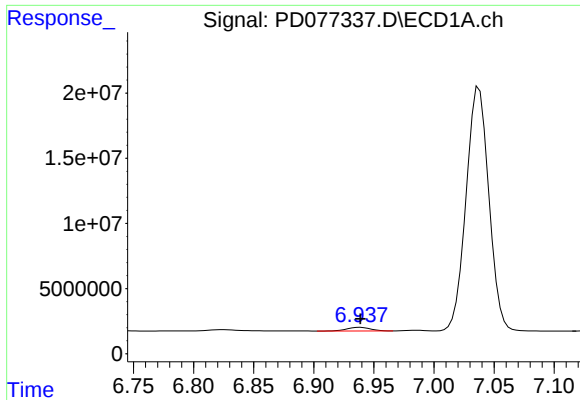
#17 4,4'-DDT

R.T.: 7.038 min
Delta R.T.: 0.000 min
Response: 246036459
Conc: 101.18 ng/ml



#17 4,4'-DDT

R.T.: 6.024 min
Delta R.T.: -0.001 min
Response: 121102870
Conc: 108.95 ng/ml



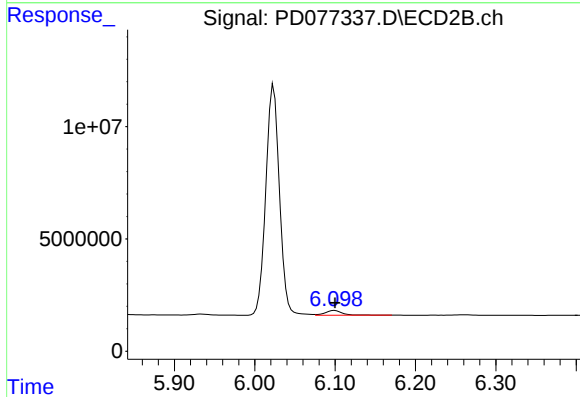
#18 Endrin aldehyde

R.T.: 6.939 min
Delta R.T.: 0.000 min
Response: 3742971
Conc: 1.71 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

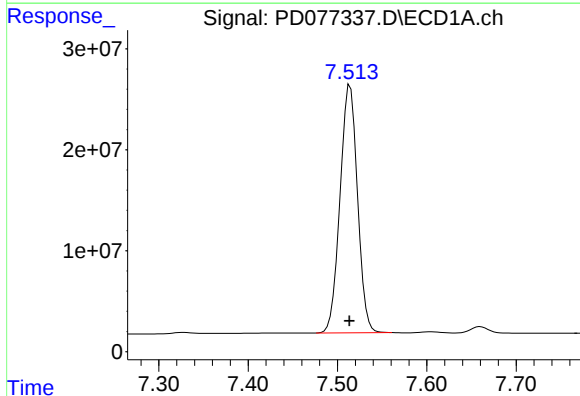
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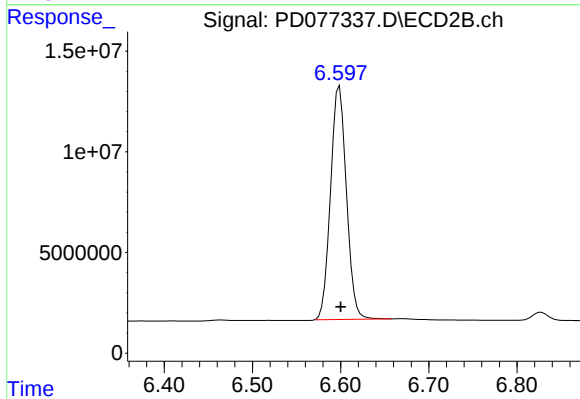
#18 Endrin aldehyde

R.T.: 6.099 min
Delta R.T.: 0.000 min
Response: 3044890
Conc: 2.67 ng/ml



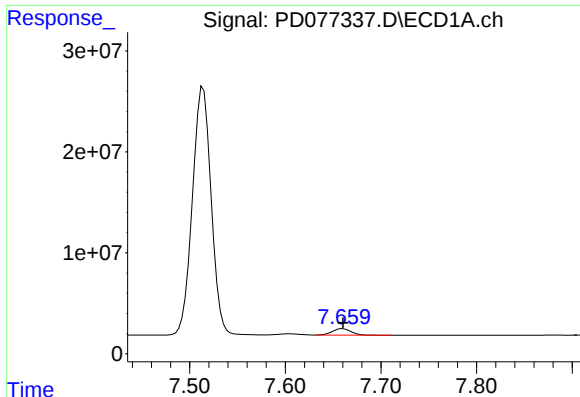
#20 Methoxychlor

R.T.: 7.514 min
Delta R.T.: 0.000 min
Response: 333783240
Conc: 235.58 ng/ml



#20 Methoxychlor

R.T.: 6.599 min
Delta R.T.: -0.001 min
Response: 145336673
Conc: 243.06 ng/ml



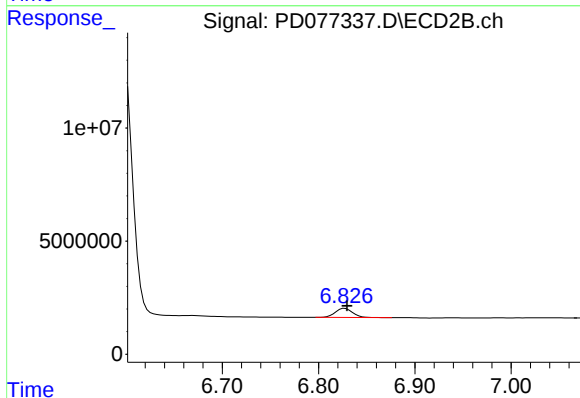
#21 Endrin ketone

R.T.: 7.660 min
Delta R.T.: 0.000 min
Response: 8602014
Conc: 2.86 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

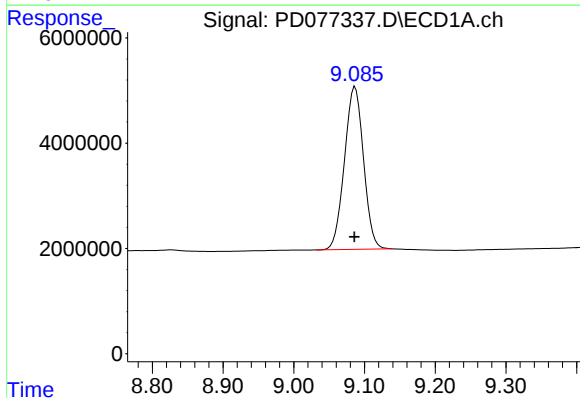
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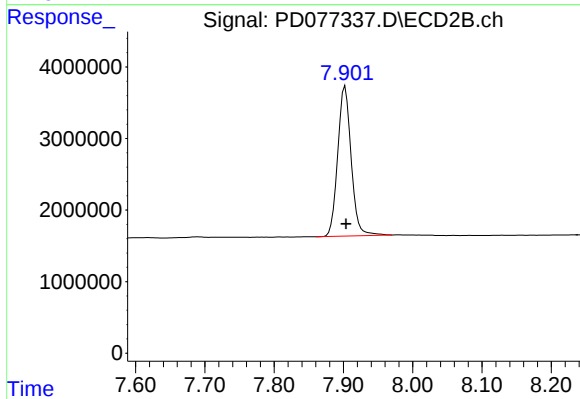
#21 Endrin ketone

R.T.: 6.828 min
Delta R.T.: -0.002 min
Response: 5061534
Conc: 3.19 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.087 min
Delta R.T.: 0.001 min
Response: 57822376
Conc: 21.10 ng/ml



#28 Decachlorobiphenyl

R.T.: 7.902 min
Delta R.T.: -0.002 min
Response: 28177984
Conc: 19.69 ng/ml