

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD051322\
 Data File : PD069576.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 11 May 2022 13:39
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations
 APPROVED

Reviewed By : Abdul Mirza 05/12/2022
 Supervised By : mohammad ahmed 05/12/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: May 11 18:57:23 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD041622.M
 Quant Title : GC Extractables
 QLast Update : Mon Apr 18 13:40:55 2022
 Response via : Initial Calibration
 Integrator: ChemStation

Volume Inj. : 2 µl
 Signal #1 Phase : ZB-MR2 Signal #2 Phase: ZB-MR1
 Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm

	Compound	RT#1	RT#2	Resp#1	Resp#2	ng/ml	ng/ml

System Monitoring Compounds							
1)	SA Tetrachlo...	3.443	4.171	26564394	251.4E6	23.930	23.444
28)	SA Decachlor...	8.196	9.364	30524877	169.2E6	24.446	25.854
Target Compounds							
2)	A alpha-BHC	3.882	4.567	19058320	185.8E6	11.679	12.051
3)	MA gamma-BHC...	4.166	4.858	20103782	172.9E6	11.753	12.243
6)	B beta-BHC	4.416	5.022	9261158	81717015	13.321	13.301
12)	B 4,4'-DDE	5.603	6.545	639930	6672507	0.506m	0.618m
14)	MA Endrin	5.994	6.926	72116819	516.9E6	59.647	56.994
16)	A 4,4'-DDD	6.120	7.036	4778297	46367412	4.384	5.383m
17)	MA 4,4'-DDT	6.361	7.340	130.5E6	908.2E6	121.368	104.709
18)	B Endrin al...	6.435	7.254	1922072	14187398	2.082m	2.052m
20)	A Methoxychlor	6.911	7.793	174.1E6	1059.1E6	274.064	245.659
21)	B Endrin ke...	7.142	7.955	4671056	30970415	3.318	3.425

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

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Operator : AR\AJ
Sample : PEM
Misc :
ALS Vial : 3 Sample Multiplier: 1

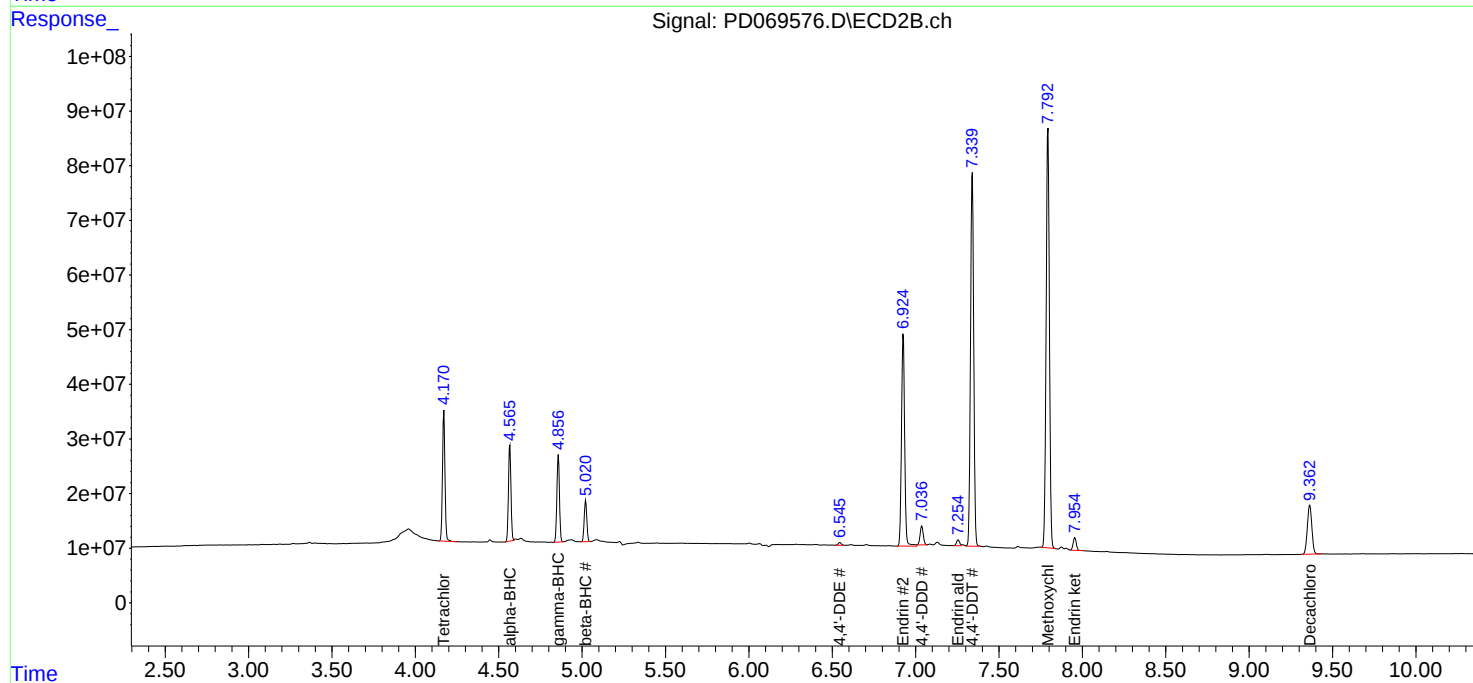
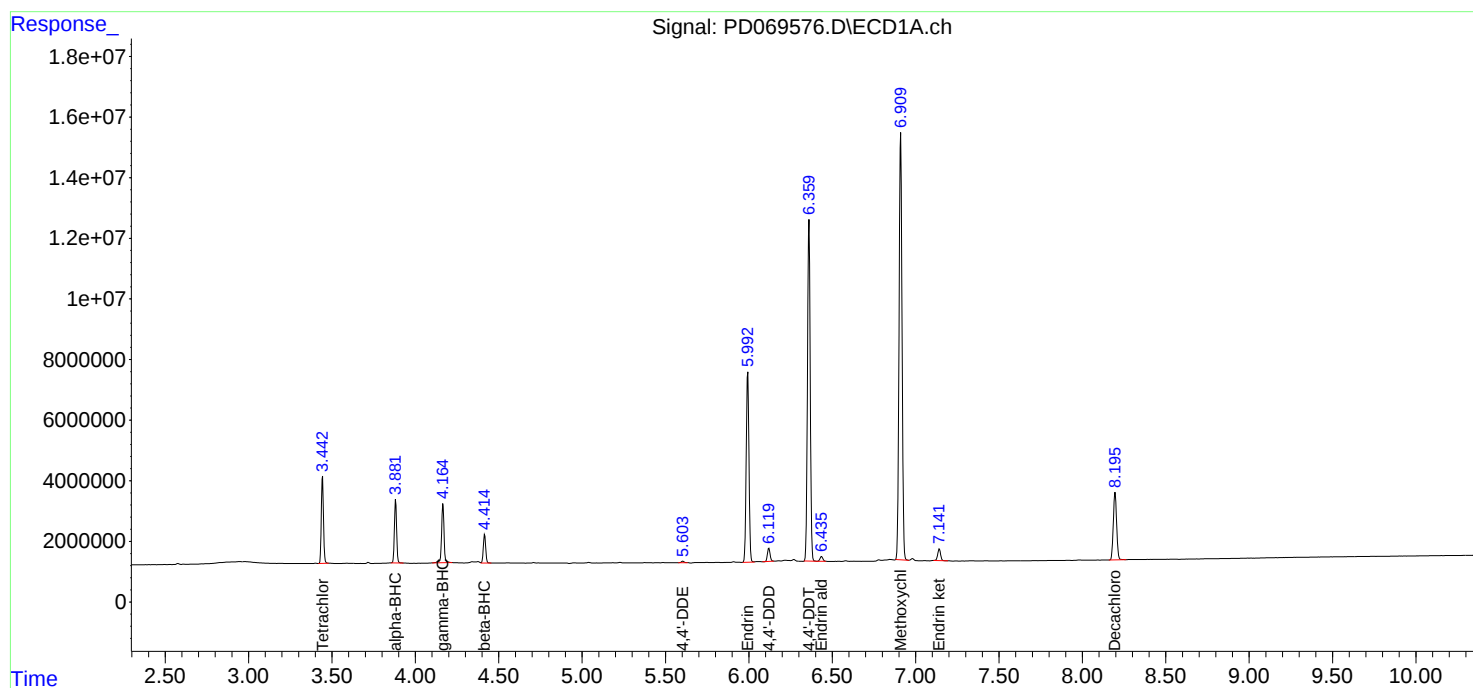
Instrument :
ECD_D
ClientSampleId :
PEM

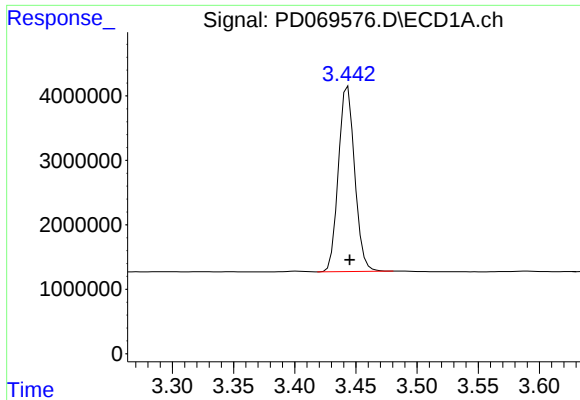
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Integration File signal 1: autoint1.e
Integration File signal 2: autoint2.e
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Quant Title : GC Extractables
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Signal #1 Info : 30M x 0.32mm x 0.2 Signal #2 Info : 30M x 0.32mm x 0.50µm





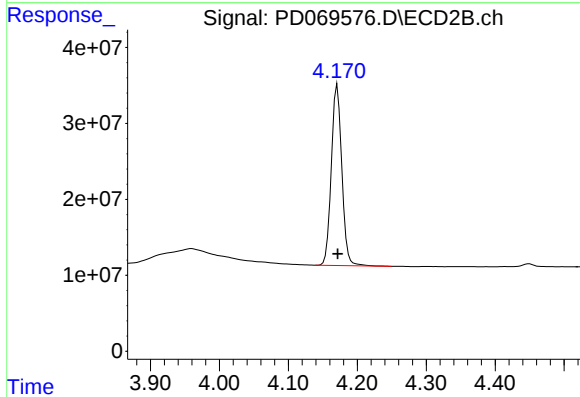
#1 Tetrachloro-m-xylene

R.T.: 3.443 min
Delta R.T.: -0.002 min
Response: 26564394
Conc: 23.93 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

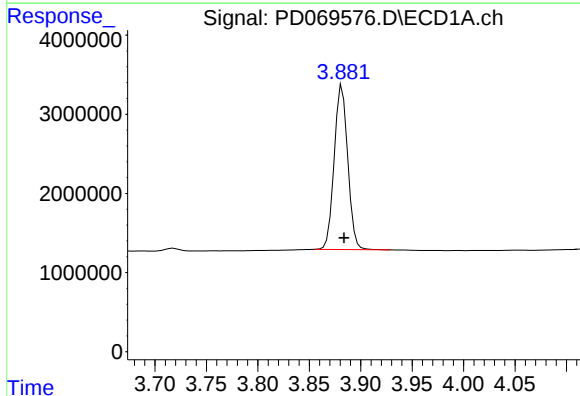
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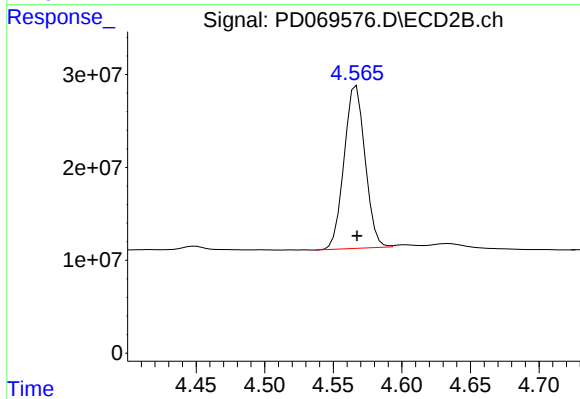
#1 Tetrachloro-m-xylene

R.T.: 4.171 min
Delta R.T.: 0.000 min
Response: 251354979
Conc: 23.44 ng/ml



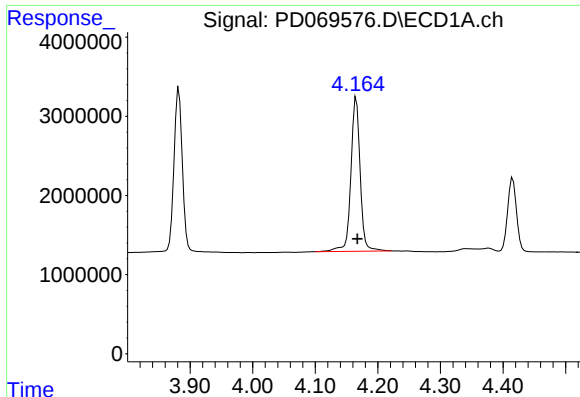
#2 alpha-BHC

R.T.: 3.882 min
Delta R.T.: -0.002 min
Response: 19058320
Conc: 11.68 ng/ml



#2 alpha-BHC

R.T.: 4.567 min
Delta R.T.: 0.000 min
Response: 185834372
Conc: 12.05 ng/ml



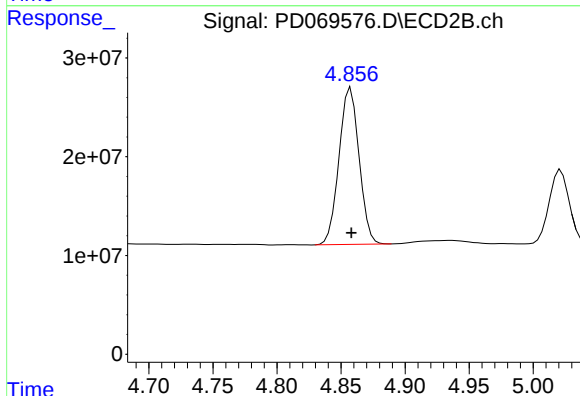
#3 gamma-BHC (Lindane)

R.T.: 4.166 min
Delta R.T.: -0.001 min
Response: 20103782
Conc: 11.75 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

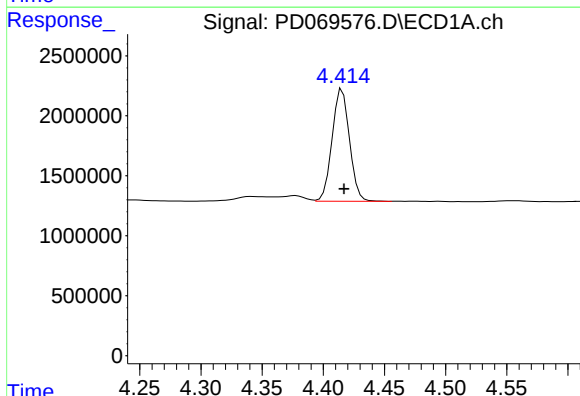
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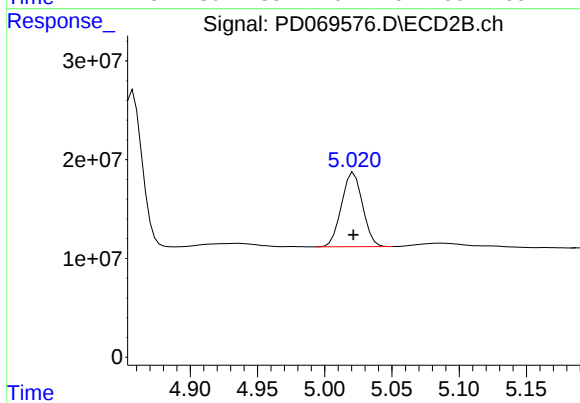
#3 gamma-BHC (Lindane)

R.T.: 4.858 min
Delta R.T.: 0.000 min
Response: 172872887
Conc: 12.24 ng/ml



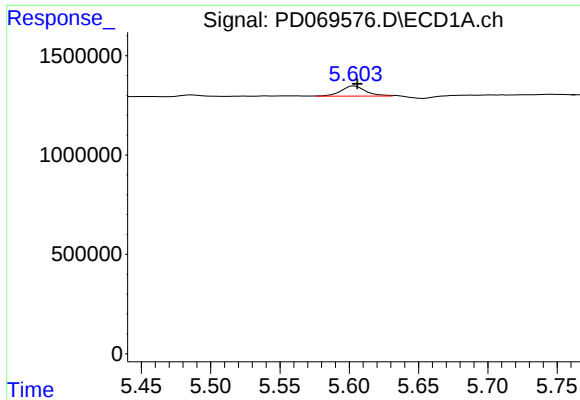
#6 beta-BHC

R.T.: 4.416 min
Delta R.T.: -0.002 min
Response: 9261158
Conc: 13.32 ng/ml



#6 beta-BHC

R.T.: 5.022 min
Delta R.T.: 0.000 min
Response: 81717015
Conc: 13.30 ng/ml



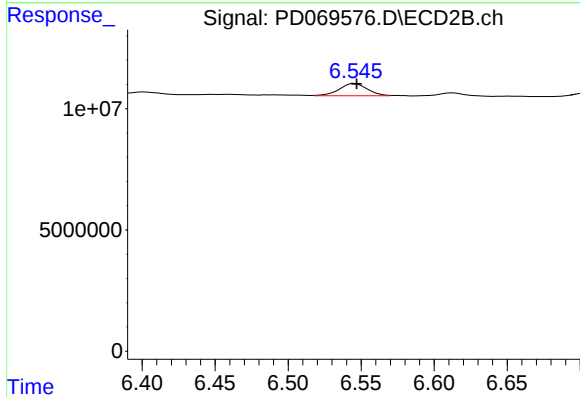
#12 4,4'-DDE

R.T.: 5.603 min
Delta R.T.: -0.003 min
Response: 639930
Conc: 0.51 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

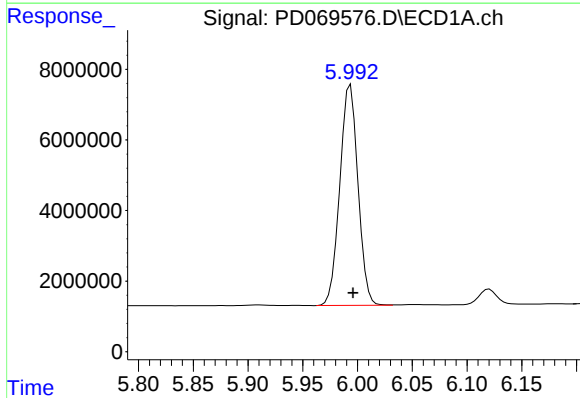
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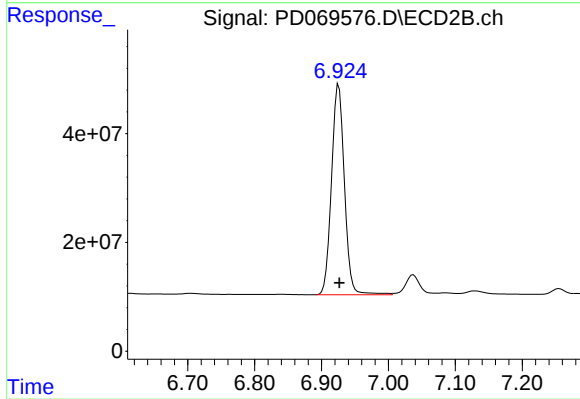
#12 4,4'-DDE

R.T.: 6.545 min
Delta R.T.: -0.002 min
Response: 6672507
Conc: 0.62 ng/ml m



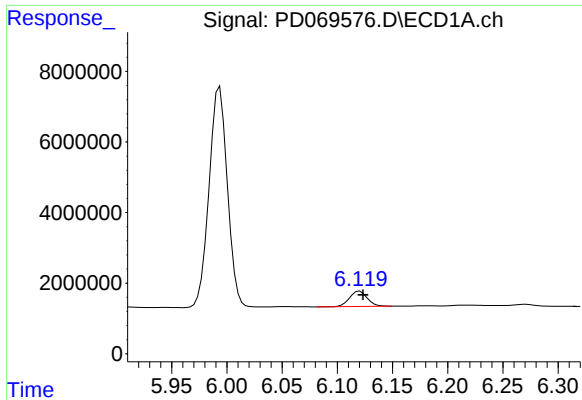
#14 Endrin

R.T.: 5.994 min
Delta R.T.: -0.002 min
Response: 72116819
Conc: 59.65 ng/ml



#14 Endrin

R.T.: 6.926 min
Delta R.T.: 0.000 min
Response: 516947197
Conc: 56.99 ng/ml



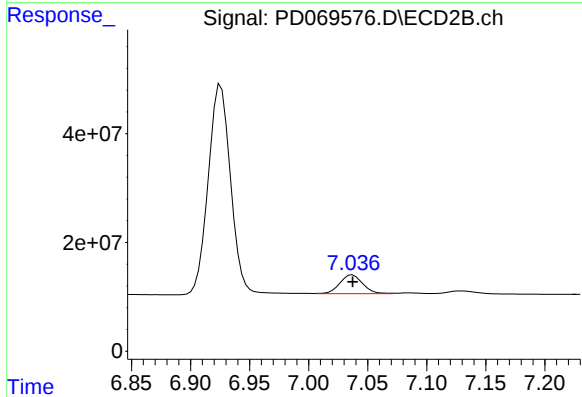
#16 4,4'-DDD

R.T.: 6.120 min
Delta R.T.: -0.003 min
Response: 4778297
Conc: 4.38 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

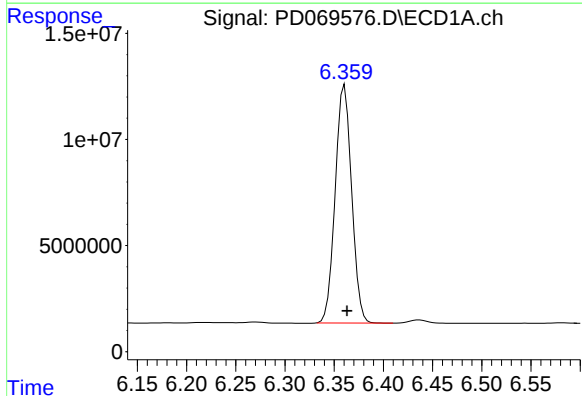
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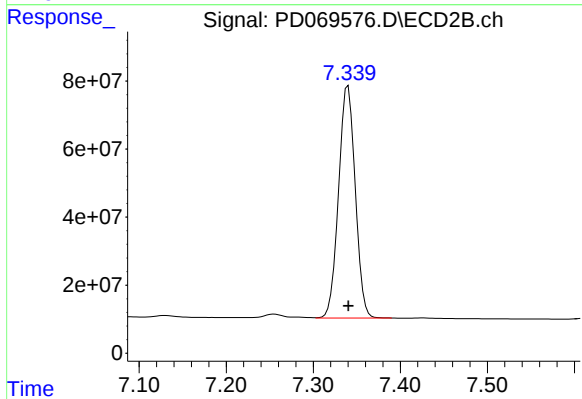
#16 4,4'-DDD

R.T.: 7.036 min
Delta R.T.: -0.002 min
Response: 46367412
Conc: 5.38 ng/ml m



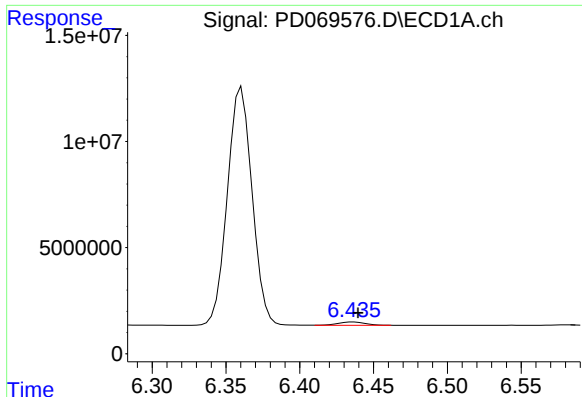
#17 4,4'-DDT

R.T.: 6.361 min
Delta R.T.: -0.003 min
Response: 130491074
Conc: 121.37 ng/ml



#17 4,4'-DDT

R.T.: 7.340 min
Delta R.T.: 0.000 min
Response: 908220514
Conc: 104.71 ng/ml



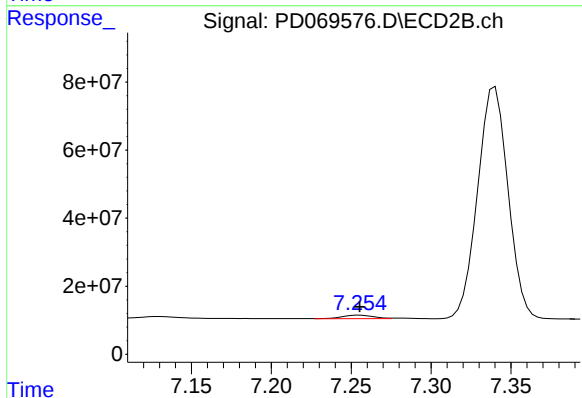
#18 Endrin aldehyde

R.T.: 6.435 min
Delta R.T.: -0.005 min
Response: 1922072
Conc: 2.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

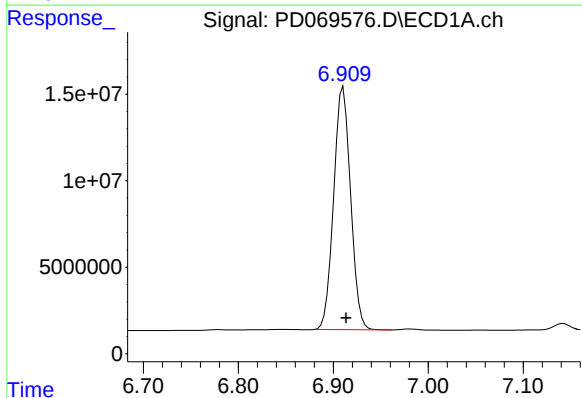
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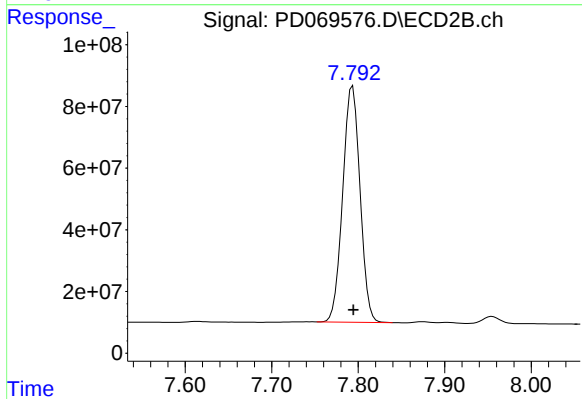
#18 Endrin aldehyde

R.T.: 7.254 min
Delta R.T.: -0.002 min
Response: 14187398
Conc: 2.05 ng/ml m



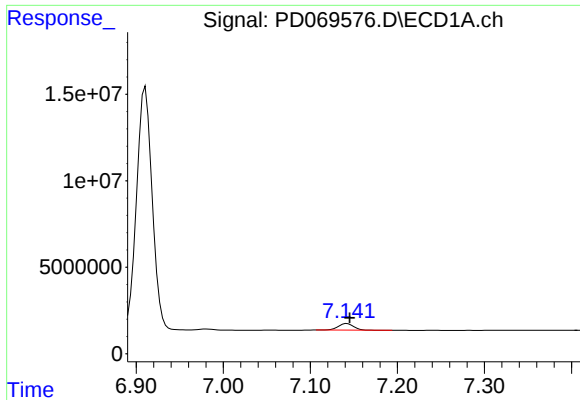
#20 Methoxychlor

R.T.: 6.911 min
Delta R.T.: -0.003 min
Response: 174099134
Conc: 274.06 ng/ml



#20 Methoxychlor

R.T.: 7.793 min
Delta R.T.: -0.001 min
Response: 1059055595
Conc: 245.66 ng/ml



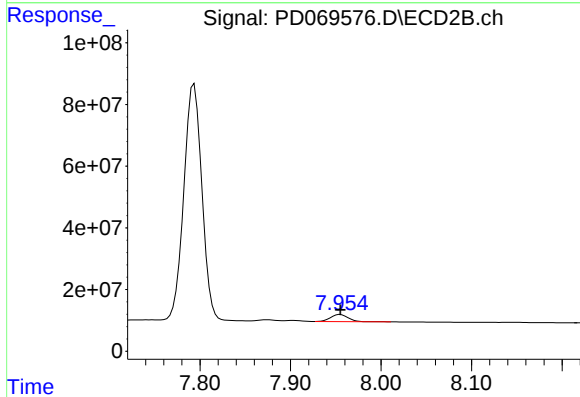
#21 Endrin ketone

R.T.: 7.142 min
Delta R.T.: -0.003 min
Response: 4671056
Conc: 3.32 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

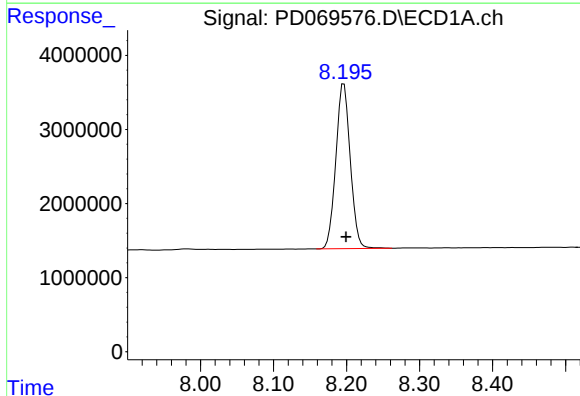
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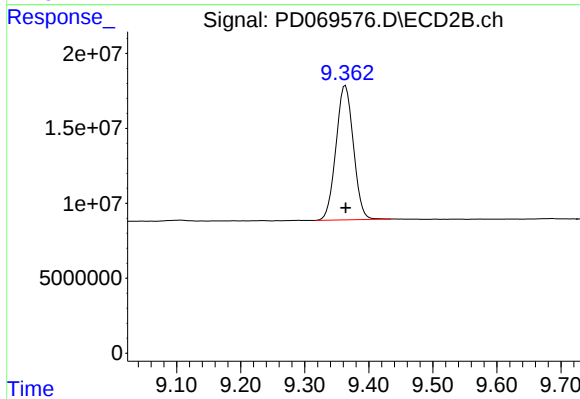
#21 Endrin ketone

R.T.: 7.955 min
Delta R.T.: 0.000 min
Response: 30970415
Conc: 3.43 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.196 min
Delta R.T.: -0.003 min
Response: 30524877
Conc: 24.45 ng/ml



#28 Decachlorobiphenyl

R.T.: 9.364 min
Delta R.T.: 0.000 min
Response: 169186622
Conc: 25.85 ng/ml