

Data Path : Z:\pestpcbsrv\HPCHEM1\ECD_D\Data\PD040322\
 Data File : PD068887.D
 Signal(s) : Signal #1: ECD1A.ch Signal #2: ECD2B.ch
 Acq On : 01 Apr 2022 11:00
 Operator : AR\AJ
 Sample : PEM
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 ECD_D
 ClientSampleId :
 PEM

Manual Integrations APPROVED

Reviewed By : Abdul
 Mirza
 04/04/2022

Supervised By : mohammad
 ahmed
 04/05/2022

Integration File signal 1: autoint1.e
 Integration File signal 2: autoint2.e
 Quant Time: Apr 01 23:24:23 2022
 Quant Method : Z:\pestpcbsrv\HPCHEM1\ECD_D\Method\PD031222.M
 Quant Title : GC Extractables
 QLast Update : Mon Mar 14 03:30:32 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 x0.2 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...	3.446	4.173	24293763	213.3E6	20.008	22.307
28)	SA Decachlor...	8.204	9.373	27008981	136.3E6	21.378m	24.060
Target Compounds							
2)	A alpha-BHC	3.886	4.570	17244227	151.3E6	9.524	10.990
3)	MA gamma-BHC...	4.168	4.861	17264545	145.6E6	10.339m	11.649
6)	B beta-BHC	4.420	5.024	8670622	67840835	11.645	12.357
12)	B 4,4'-DDE	5.609	6.550	534608	5126884	0.391m	0.553m#
14)	MA Endrin	6.000	6.931	68873979	428.7E6	52.284	55.404
16)	A 4,4'-DDD	6.126	7.042	1274578	7100682	1.081m	0.961m
17)	MA 4,4'-DDT	6.368	7.345	127.0E6	796.1E6	105.685	108.359
18)	B Endrin al...	6.448	7.259	3607564	2116325	3.634	0.350m#
20)	A Methoxychlor	6.919	7.798	167.6E6	912.0E6	241.839	250.192
21)	B Endrin ke...	7.149	7.960	1416114	8127516	0.962	1.049

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

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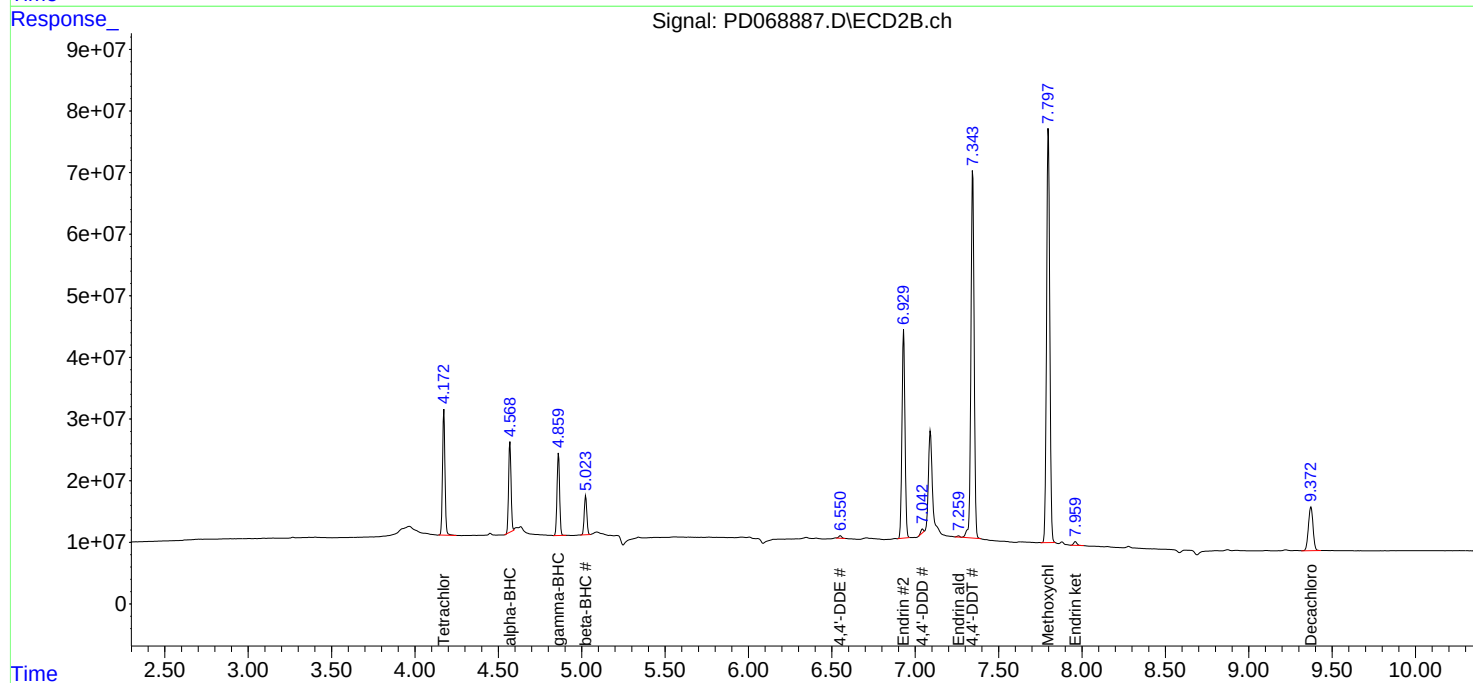
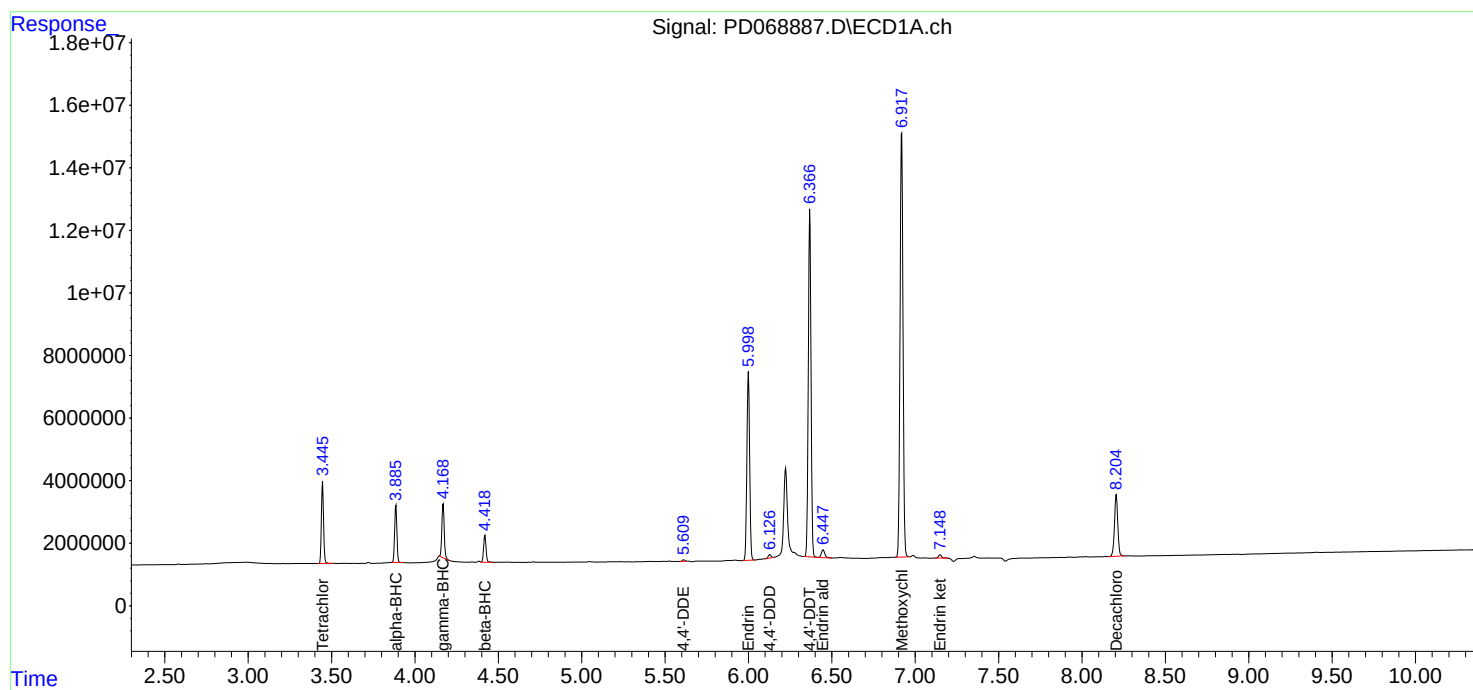
Manual Integrations
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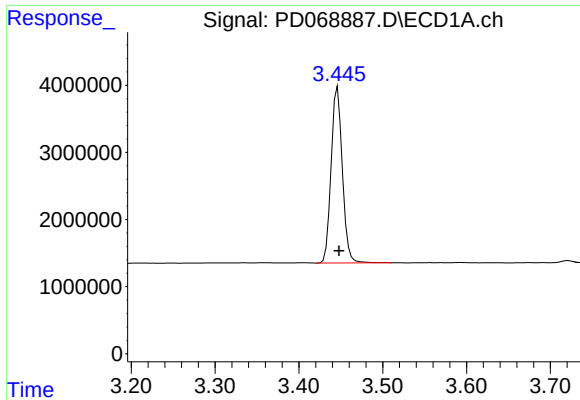
Reviewed By :Abdul
Mirza
04/04/2022

Supervised By :mohammad
ahmed
04/05/2022

Integration File signal 1: autoint1.e
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Quant Time: Apr 01 23:24:23 2022
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#1 Tetrachloro-m-xylene

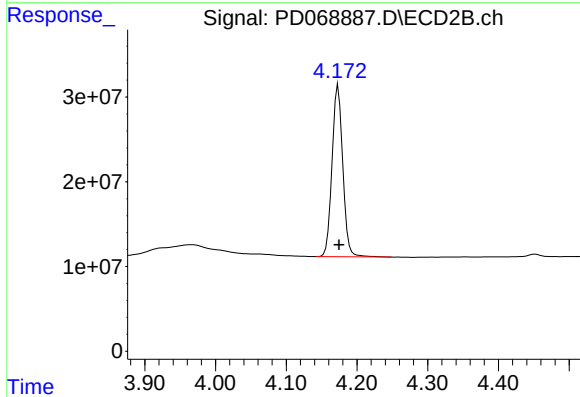
R.T.: 3.446 min
Delta R.T.: -0.002 min
Response: 24293763
Conc: 20.01 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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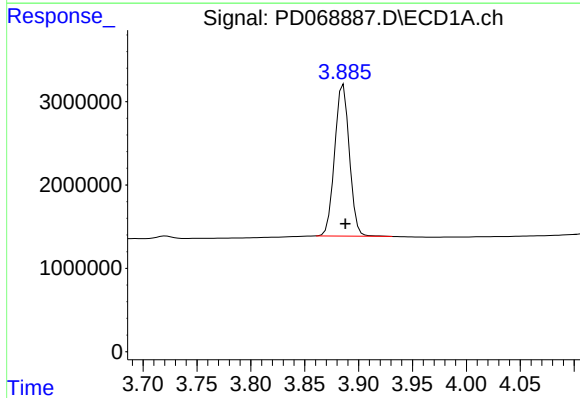
Reviewed By :Abdul
Mirza
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Supervised By :mohammad
ahmed
04/05/2022



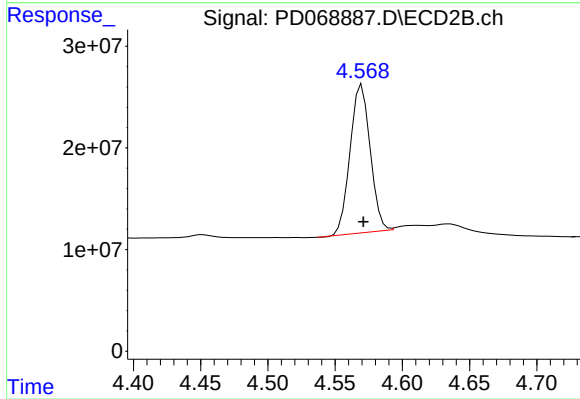
#1 Tetrachloro-m-xylene

R.T.: 4.173 min
Delta R.T.: -0.001 min
Response: 213267775
Conc: 22.31 ng/ml



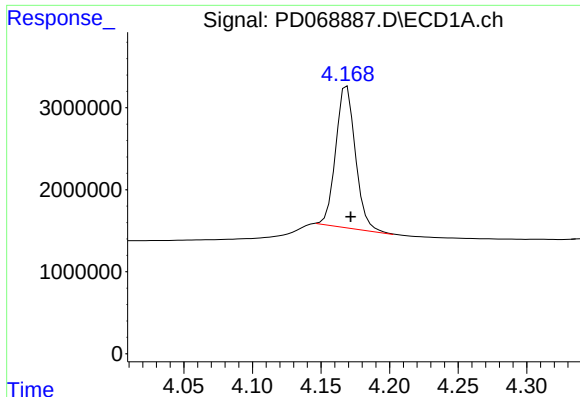
#2 alpha-BHC

R.T.: 3.886 min
Delta R.T.: -0.002 min
Response: 17244227
Conc: 9.52 ng/ml



#2 alpha-BHC

R.T.: 4.570 min
Delta R.T.: -0.001 min
Response: 151255585
Conc: 10.99 ng/ml



#3 gamma-BHC (Lindane)

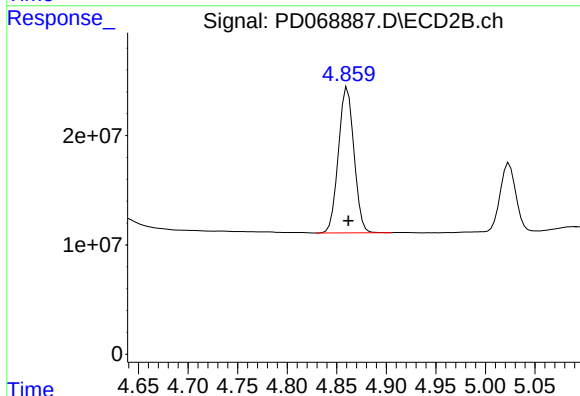
R.T.: 4.168 min
Delta R.T.: -0.004 min
Response: 17264545
Conc: 10.34 ng/ml

Instrument :
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ClientSampleId :
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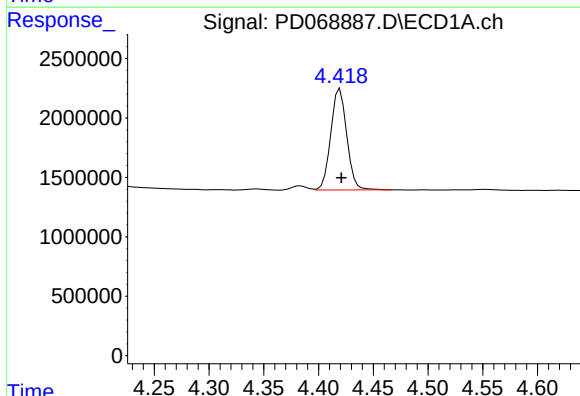
Reviewed By :Abdul
Mirza
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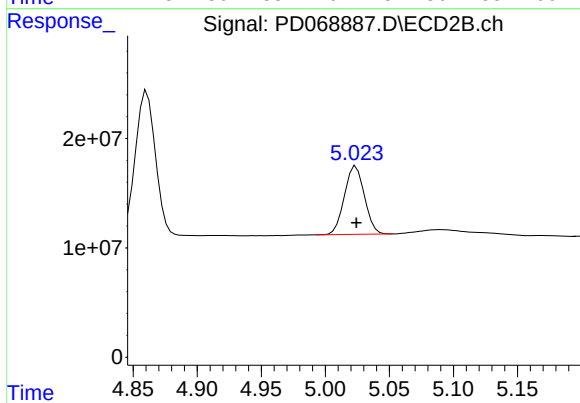
#3 gamma-BHC (Lindane)

R.T.: 4.861 min
Delta R.T.: 0.000 min
Response: 145648086
Conc: 11.65 ng/ml



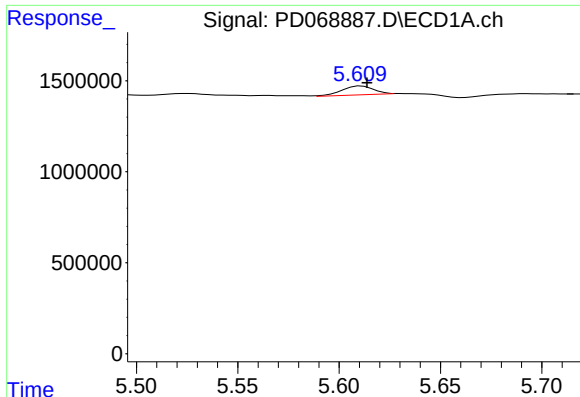
#6 beta-BHC

R.T.: 4.420 min
Delta R.T.: -0.001 min
Response: 8670622
Conc: 11.65 ng/ml



#6 beta-BHC

R.T.: 5.024 min
Delta R.T.: 0.000 min
Response: 67840835
Conc: 12.36 ng/ml



#12 4,4'-DDE

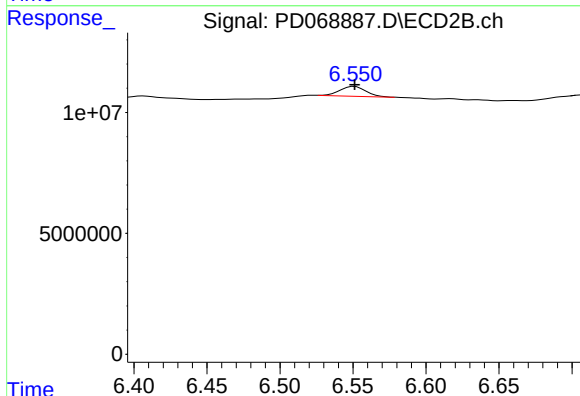
R.T.: 5.609 min
Delta R.T.: -0.005 min
Response: 534608
Conc: 0.39 ng/ml

Instrument :
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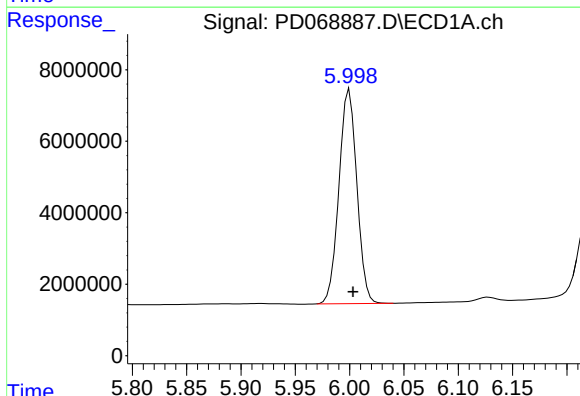
Reviewed By :Abdul
Mirza
04/04/2022

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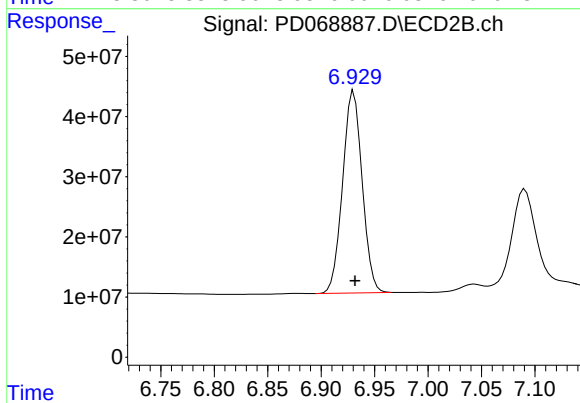
#12 4,4'-DDE

R.T.: 6.550 min
Delta R.T.: -0.001 min
Response: 5126884
Conc: 0.55 ng/ml m



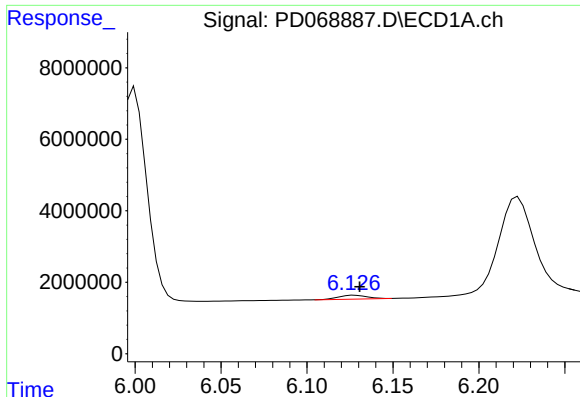
#14 Endrin

R.T.: 6.000 min
Delta R.T.: -0.003 min
Response: 68873979
Conc: 52.28 ng/ml



#14 Endrin

R.T.: 6.931 min
Delta R.T.: -0.001 min
Response: 428690398
Conc: 55.40 ng/ml



#16 4,4'-DDD

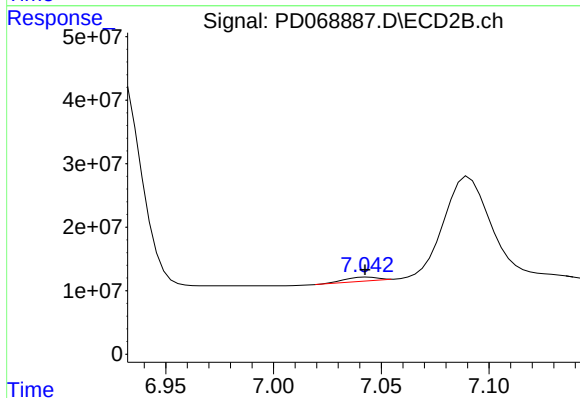
R.T.: 6.126 min
Delta R.T.: -0.005 min
Response: 1274578
Conc: 1.08 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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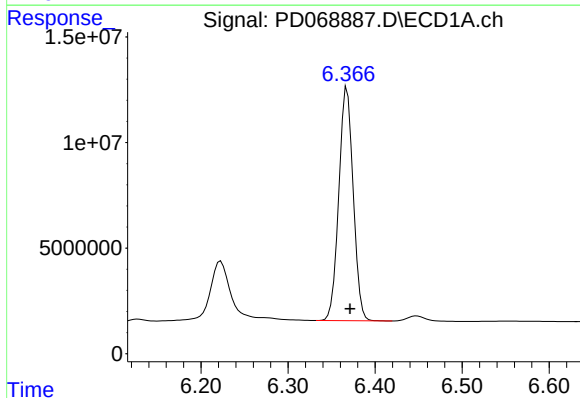
Reviewed By :Abdul
Mirza
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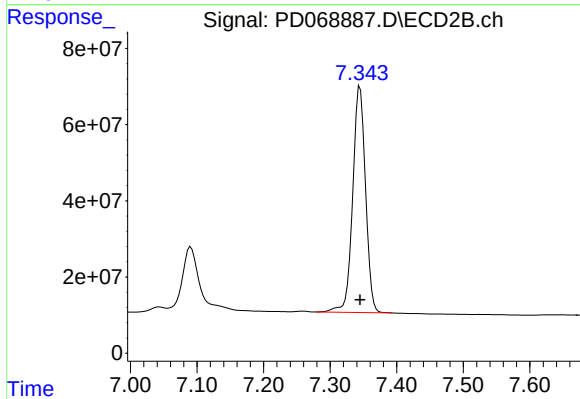
#16 4,4'-DDD

R.T.: 7.042 min
Delta R.T.: 0.000 min
Response: 7100682
Conc: 0.96 ng/ml m



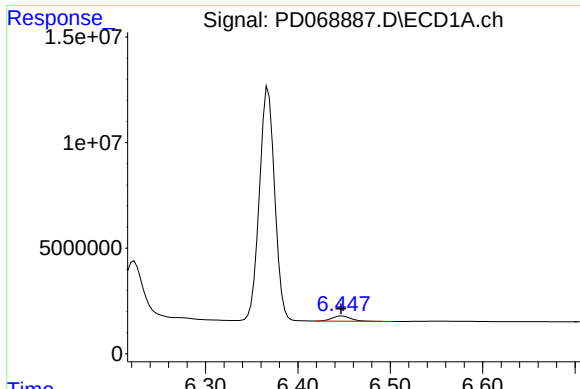
#17 4,4'-DDT

R.T.: 6.368 min
Delta R.T.: -0.003 min
Response: 127029702
Conc: 105.68 ng/ml



#17 4,4'-DDT

R.T.: 7.345 min
Delta R.T.: 0.000 min
Response: 796091090
Conc: 108.36 ng/ml



#18 Endrin aldehyde

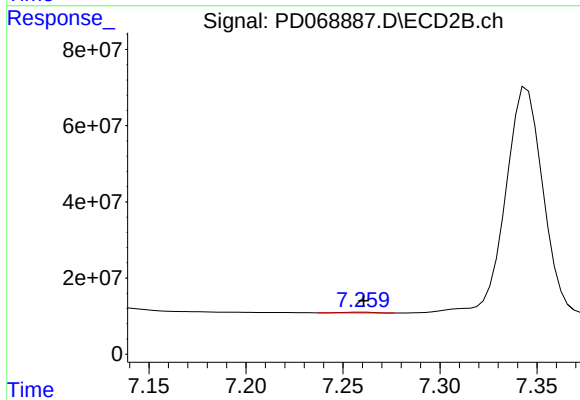
R.T.: 6.448 min
Delta R.T.: 0.001 min
Response: 3607564
Conc: 3.63 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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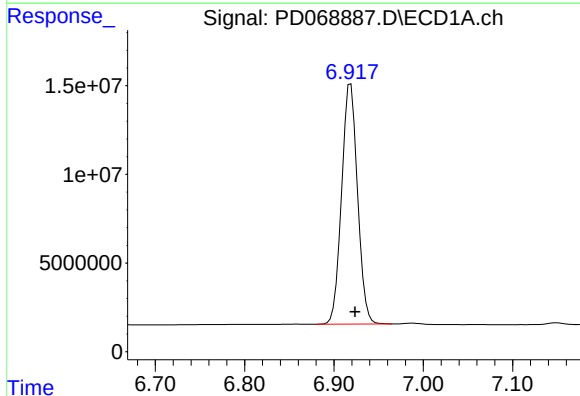
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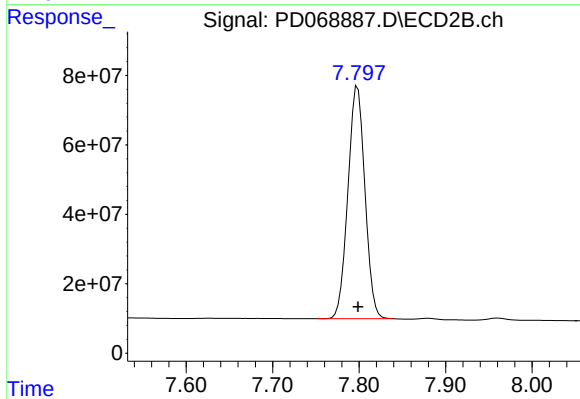
#18 Endrin aldehyde

R.T.: 7.259 min
Delta R.T.: -0.002 min
Response: 2116325
Conc: 0.35 ng/ml m



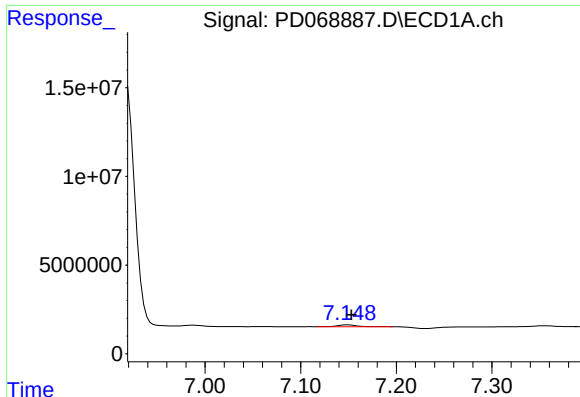
#20 Methoxychlor

R.T.: 6.919 min
Delta R.T.: -0.005 min
Response: 167600713
Conc: 241.84 ng/ml



#20 Methoxychlor

R.T.: 7.798 min
Delta R.T.: 0.000 min
Response: 912020239
Conc: 250.19 ng/ml



#21 Endrin ketone

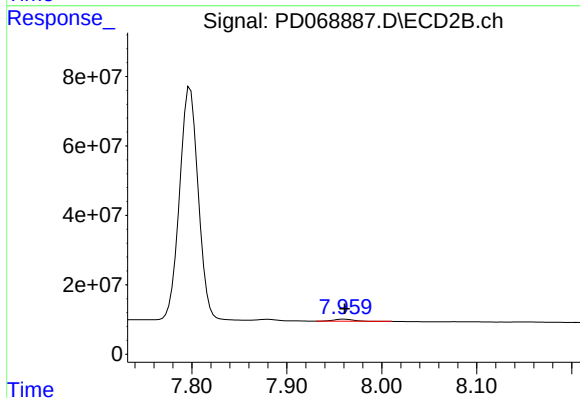
R.T.: 7.149 min
Delta R.T.: -0.004 min
Response: 1416114
Conc: 0.96 ng/ml

Instrument :
ECD_D
ClientSampleId :
PEM

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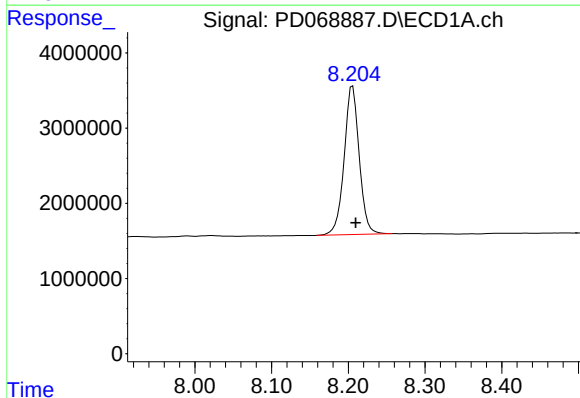
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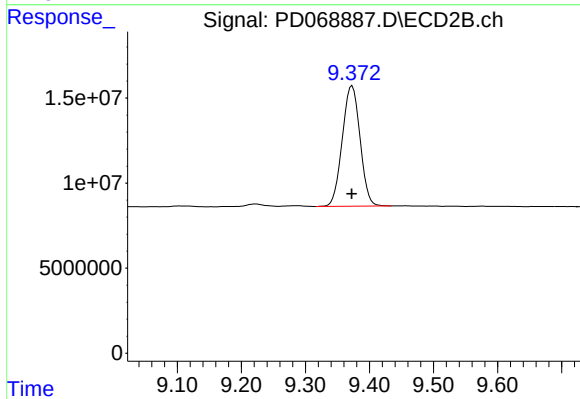
#21 Endrin ketone

R.T.: 7.960 min
Delta R.T.: 0.000 min
Response: 8127516
Conc: 1.05 ng/ml



#28 Decachlorobiphenyl

R.T.: 8.204 min
Delta R.T.: -0.005 min
Response: 27008981
Conc: 21.38 ng/ml m



#28 Decachlorobiphenyl

R.T.: 9.373 min
Delta R.T.: 0.000 min
Response: 136339096
Conc: 24.06 ng/ml