

Supporting information for

H-bonds, π -Stacking and (water)O-H/ π Interactions in (μ_4 -EDTA)bis(Imidazole)Dicopper(II) Dihydrate

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* Samples for these purposes have been studied in crystalline solid phase.

SI.2. Electronic (Reflectance) spectrum of 1.

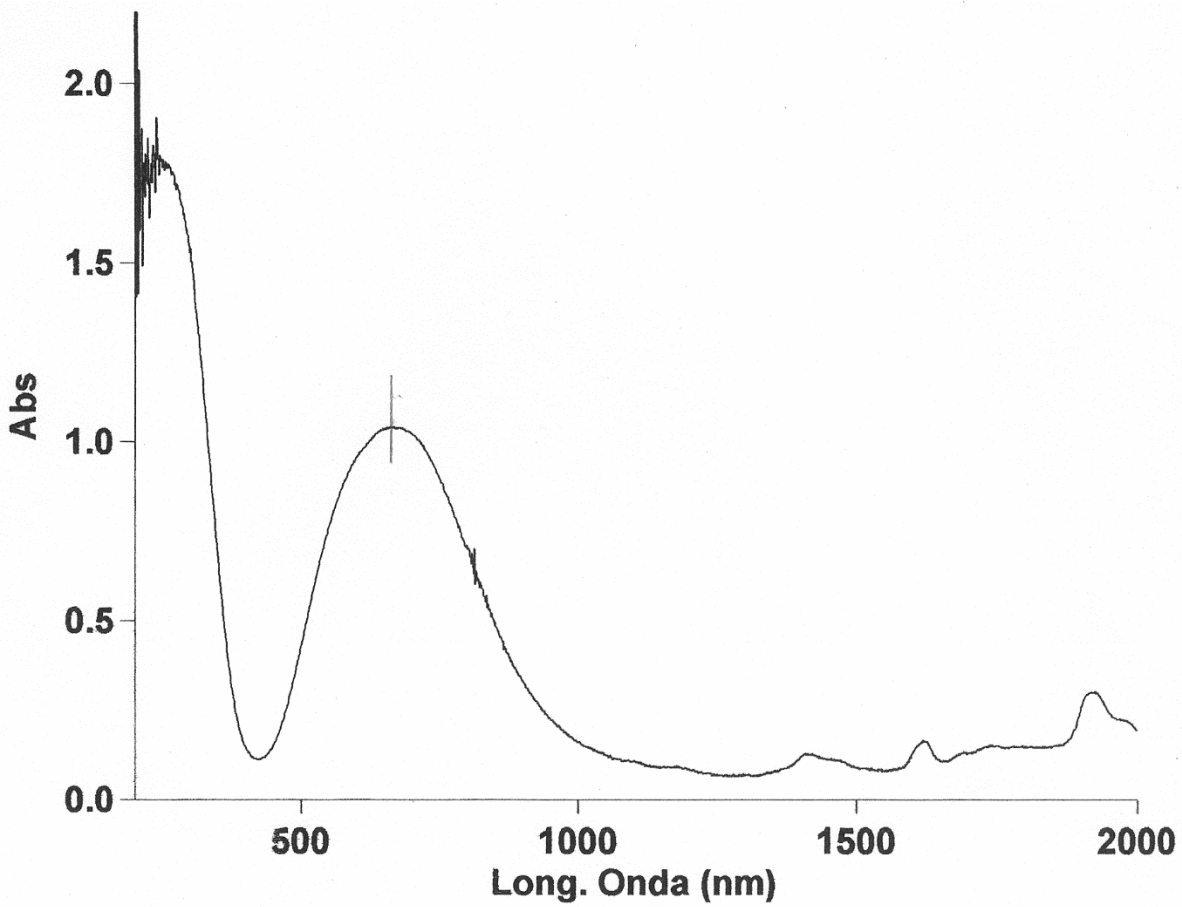


Tabla Picos
 Peak Style
 Umbral Picos
 Rango

Picos
 0.01000
 2000.000nm a200.000nm

Long. Onda (nm)	Abs
1924.000	0.303
1742.000	0.154
1620.000	0.166
1422.000	0.131
851.000	0.498
845.000	0.521
838.000	0.549
835.000	0.571
824.000	0.609
816.000	0.642
813.000	0.702
809.000	0.689
665.000	1.042
300.000	1.542
276.000	1.722
262.000	1.776
260.000	1.777
256.000	1.784
251.000	1.789

λ_{max} 665 nm

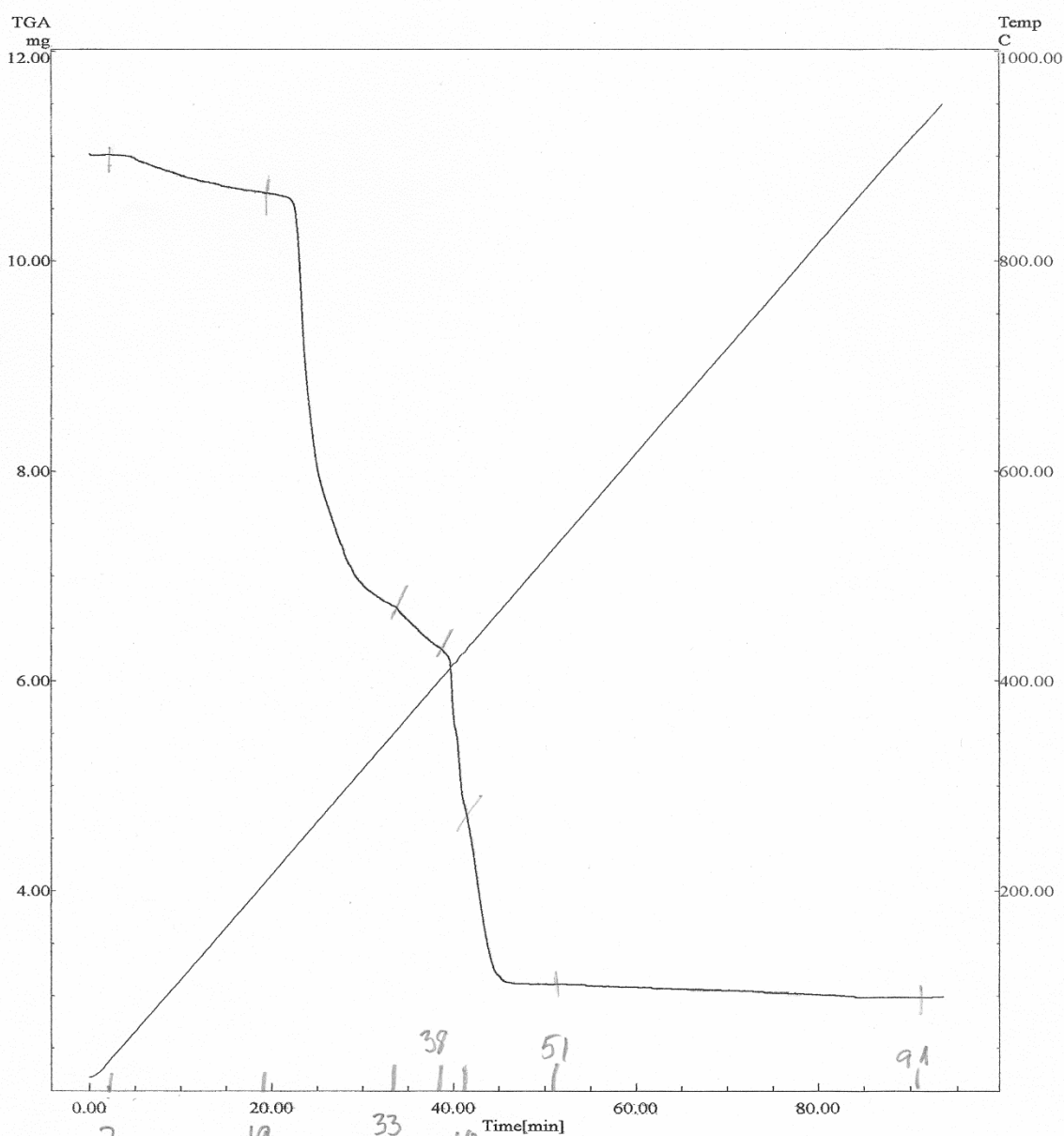
1.040 unit

SI.3. Termogravimetric analysis (TGA) of 1 with FT-IR spectra for identification of evolved gases.

A) Plot to estimate the initial and final temperatures (°C) as well as the weight lost in each step or the final residue (%).

File Name: 20C-0004.D20
 Detector Type: Shimadzu TGA-50H
 Acquisition Date: 12/02/18
 Acquisition Time: 08:51:52
 Sample Name: C-948
 Weight: 11.03[mg]
 Cell: Alumina
 Atmosphere: Air
 Rate Flow: 100.0[ml/min]
 Operator: MASP

Temp Program		
Rate	Hold Temp	Hold Time
[C/min]	[C]	[min]
10.0	950.0	0.0

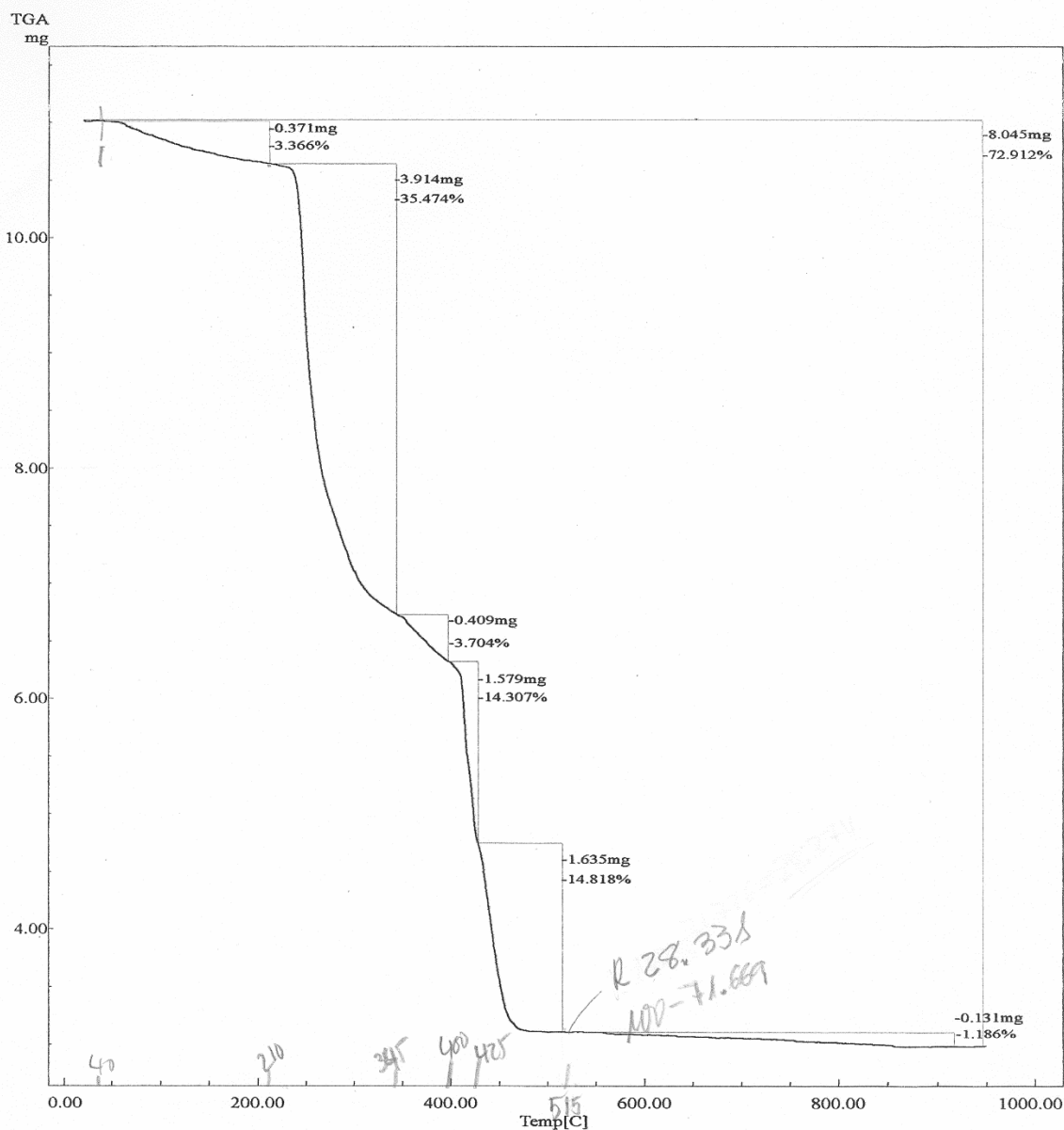


B) Plot to estimate the initial and final time (min.) of each step as well as the time in which the final residue (CuO) has formed.

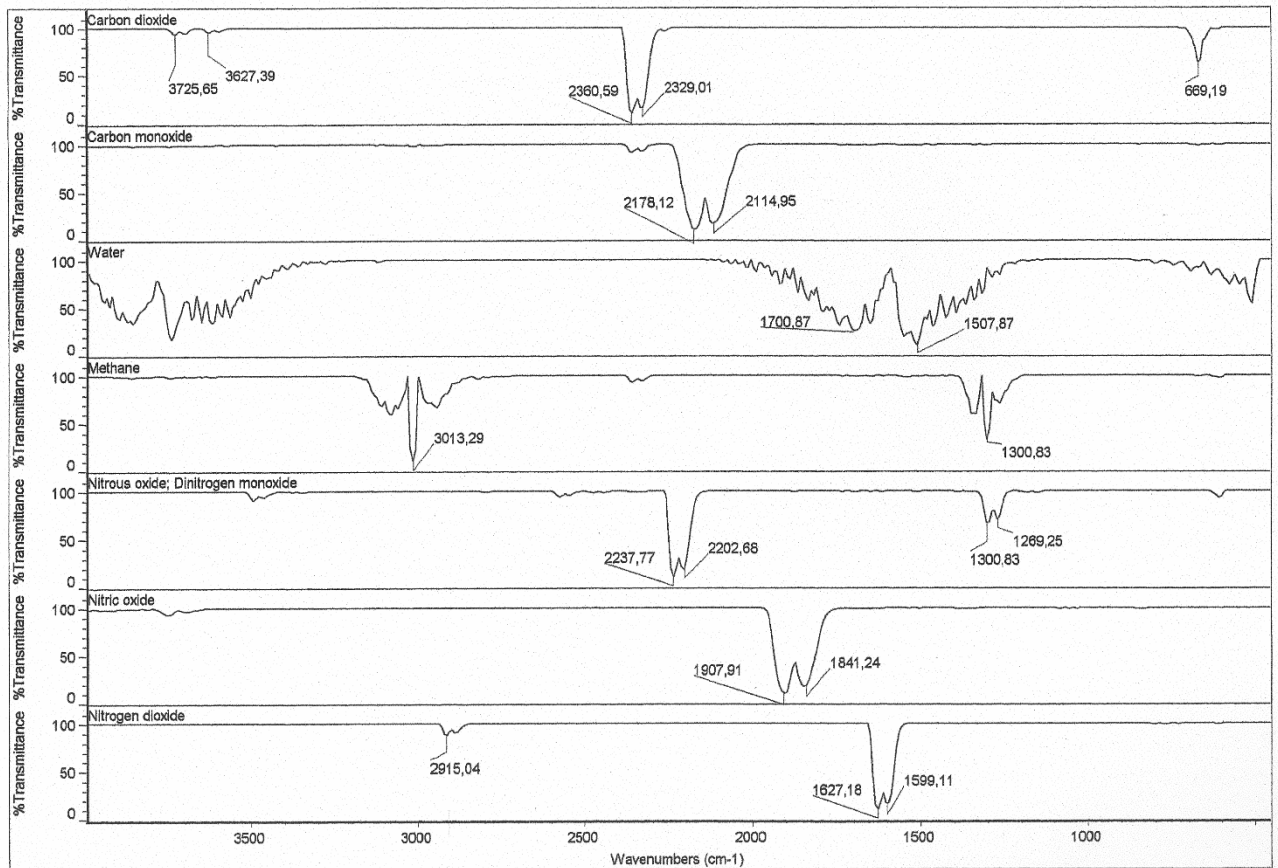
File Name: 20C-0004.D20
 Detector Type: Shimadzu TGA-50H
 Acquisition Date: 12/02/18
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 Cell: Alumina
 Atmosphere: Air
 Rate Flow: 100.0[ml/min]
 Operator: MASP

C-948

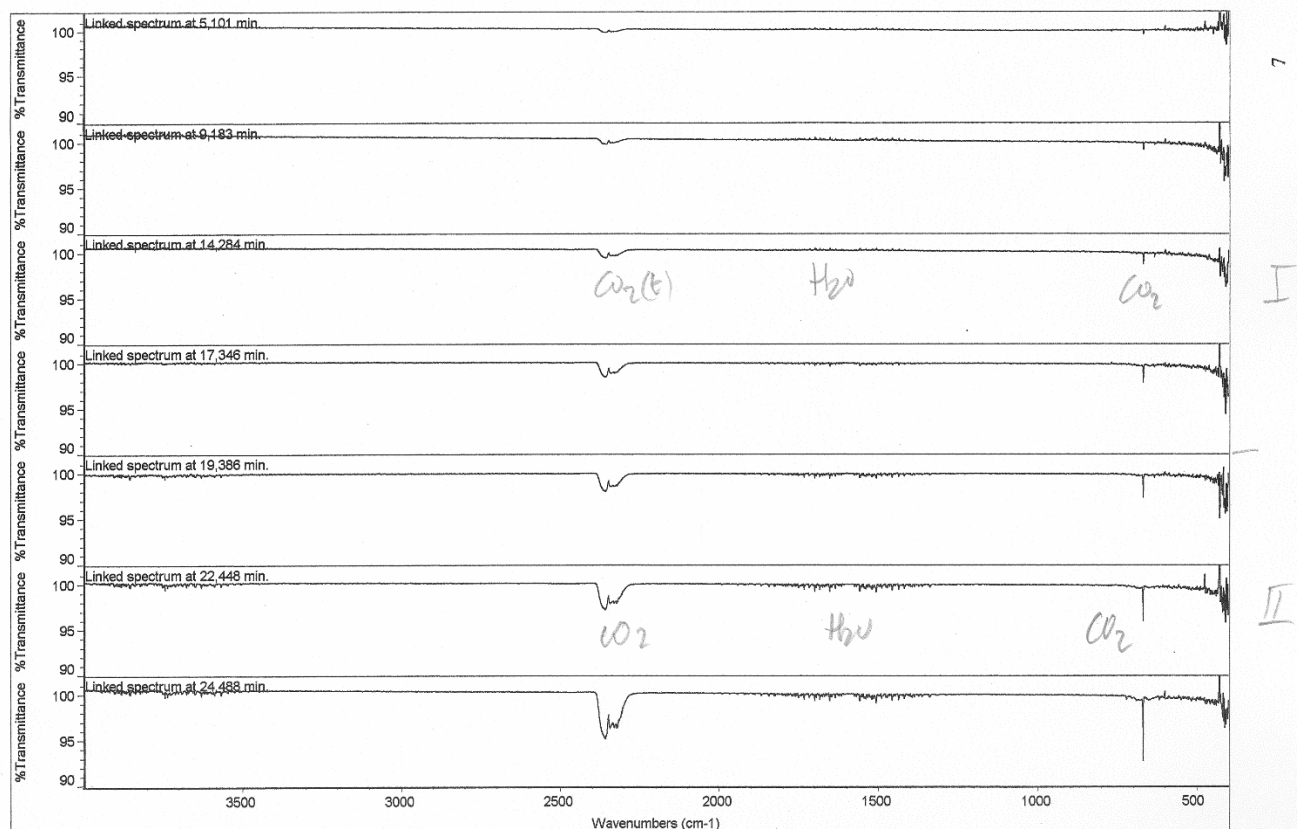
Temp Program		
Rate	Hold Temp	Hold Time
[C/min]	[C]	[min]
10.0	950.0	0.0

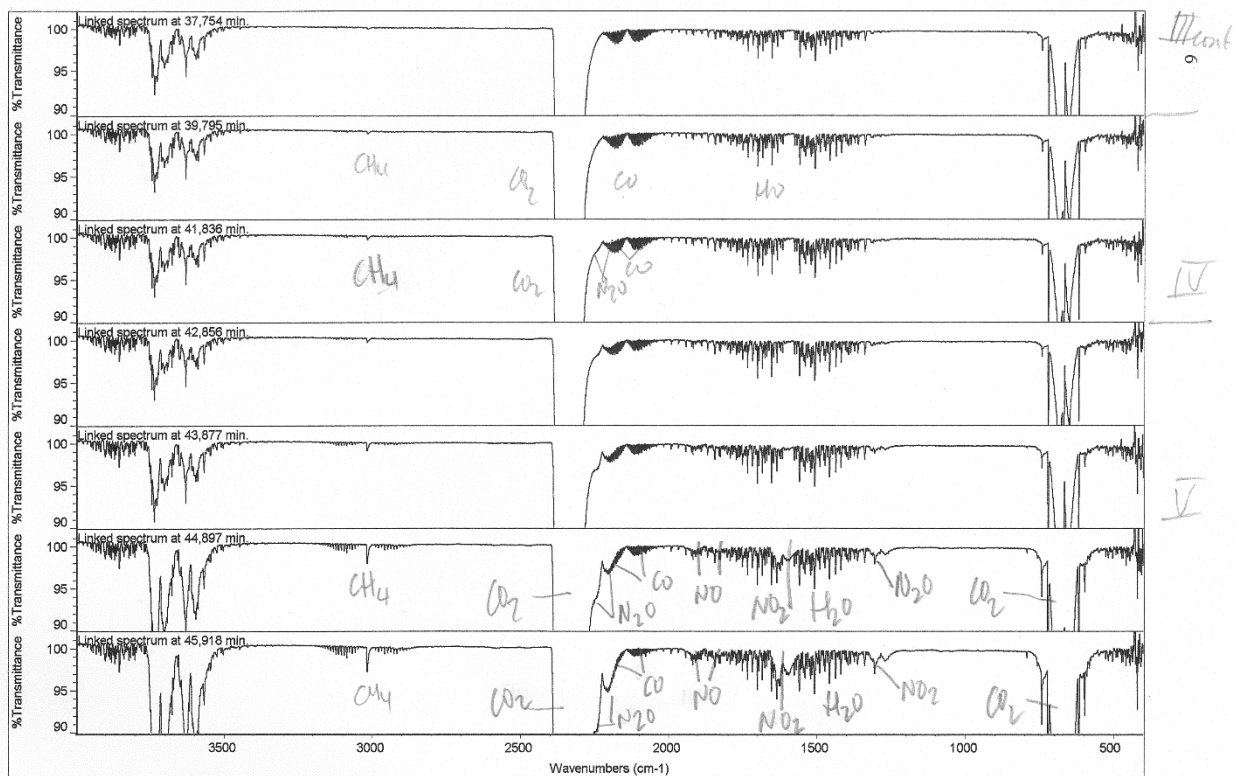
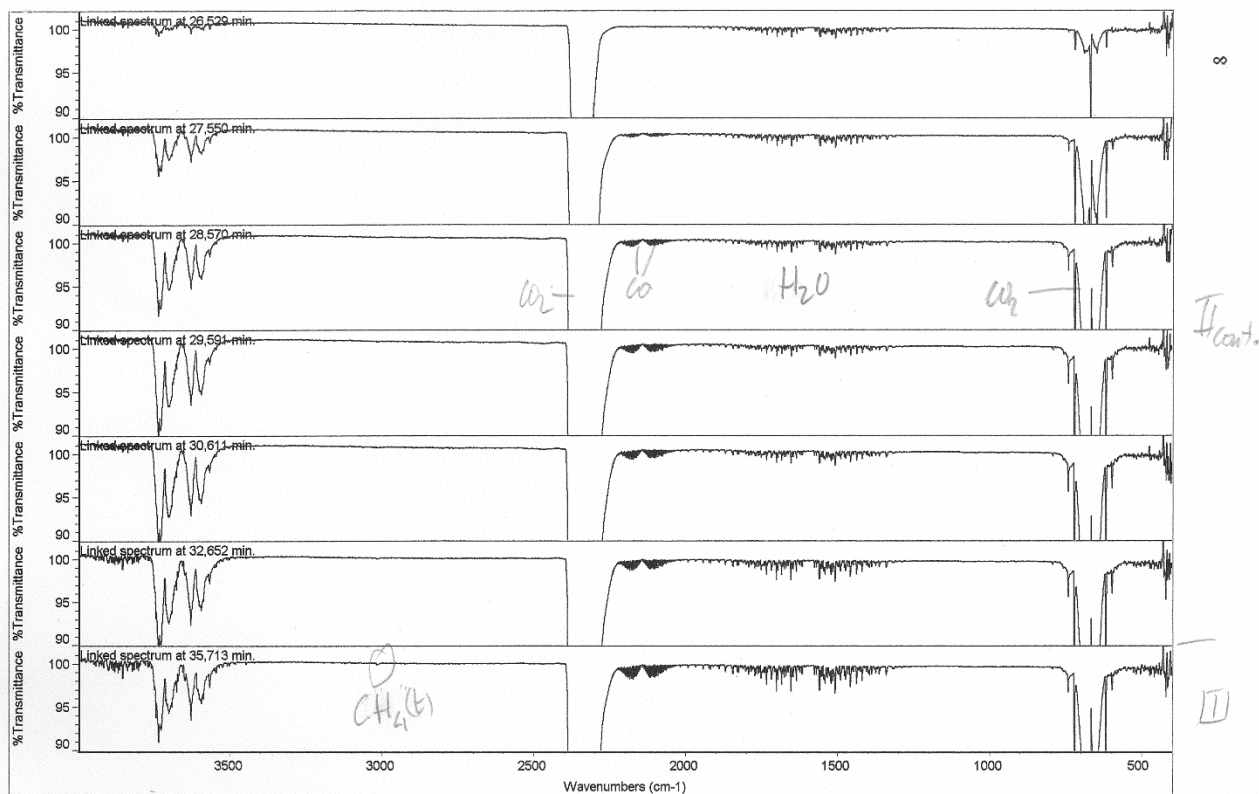


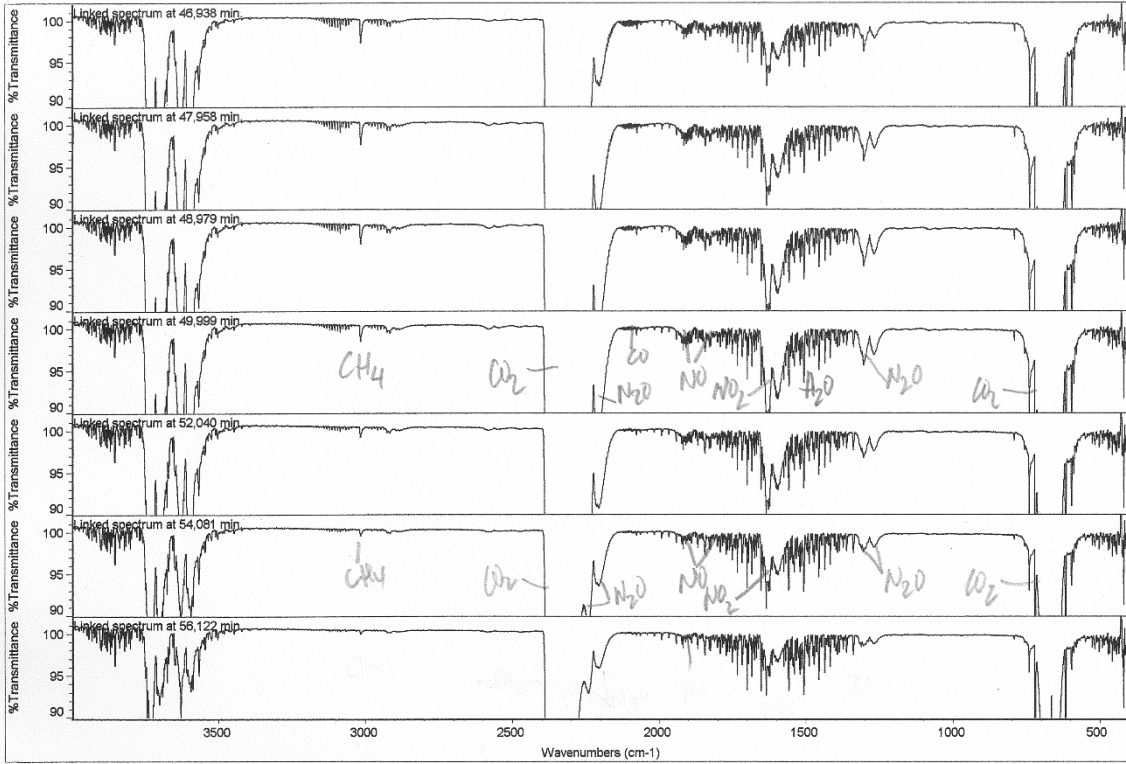
C) FT-IR spectra of identified gasses during the TGA analysis of 1.



D) Five sheets showing 36 time-spaced FT-IR spectra to identify evolved gases during the TGA of 1.



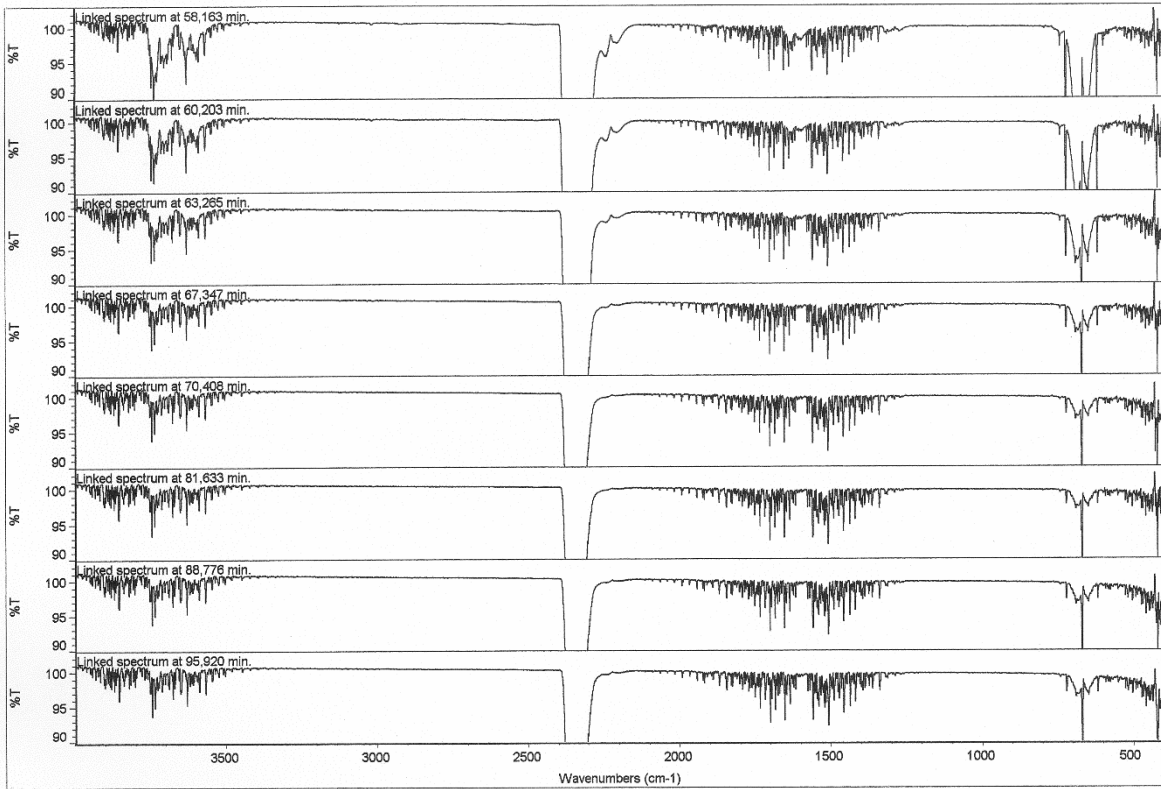




10

Vents

V



11

E) Three selected FT-IR spectra of step 5 (top and middle) or step 3 (down) from TGA of 1.

