

Paper title: Chemical Kinetic Mechanism for Pyrolysis of Bio-oil Surrogate

Minority species - ethyl acetate fraction

4-methoxyphenol
2-methoxyphenol
4-methyl-2-methoxyphenol
1,2-benzenediol
2,6-dimethoxyphenol
3-hydroxy-4-methoxybenzoic acid
5-hexen-2-ol
3,3-dimethyloxetane
Propanoic acid
4-hydroxy-2-butanone
2,3-dihydro-1,4-dioxane
Butoxybenzyl ether
(2-methylbutyl) benzene
3-methoxy-1-heptene
1,2-ethanediol monoformate
2,5-dimethylfuran
4-ethyl-2,2,6,6-tetramethylheptane
1,3-dioxolan-2-one
1- (2-furanyl) -1-pentanone
1- (2-furanyl) -1-hexanone
Furane
2-Cyclohexen-1-one
Methylmaleic anhydride
1-cyclopropyl-1-propanone
1,4-dioxan-2,6-dione
5-methyl-2-furancarboxaldehyde
2-methoxyacetic acid
2-heptyl-1,3-dioxolane

Minority species - Ethyl ether fraction

Pentanoic acid
3-hydroxybutyric acid
2-butanone
Cyclobutane
3,3-dimethyloxetane
2,2-dimethylpropane
Maleic acid
Propanoic anhydride
Trimethylene oxide
Pyruvic acid
2-methylpropanoic anhydride
o-Xylene
2-furoic acid
2-butoxyethanol
Propylbenzene

Minority species - Aqueous fraction

Acetaldehyde
2-butanone
cis-2-penten-1-ol
3,3-dimethylacrylic acid
Trimethylene oxide