

Q. 1 Conversion of water: 17.51%, Conversion of ethylene oxide: 99.24%, Heat Load: -181.9 kW

Q.2 Conversion of Propane: 15.27%, Conversion of oxygen: 76.37%, Residence time: 7689.48 min

Q.3 Conversion of Propane: 13.94%, Conversion of oxygen: 69.7%, Pressure drop: 1.80 kPa,
Residence time: 11.86 min

Q.4 Conversion of methyl acetate: 99.52%, residence time: 51.73 min, Heat Load: 15.12kW

Q.5

Q.6 Conversion of 1-butanol: 99.04%, Conversion of methyl acetate: 99.04%, Residence time:
11954.52 s, Heat load: 5.97 kW

Q.7 Conversion of methyl acetate: 99.999%, Conversion of 1-butanol: 99.996%,

Pressure drop: 0.64kPa, Residence time: 15529.14s