$q_p X$  simulated with different  $\mu_{set}$ 4.0  $\mu_{set} = 0.0010$  $\mu_{set} = 0.0167$  $\mu_{set} = 0.0325$ 3.5  $\mu_{set} = 0.0482$  $\mu_{set} = 0.0639$ 3.0  $\mu_{set} = 0.0797$  $\mu_{set}=0.0954$  $\mu_{set} = 0.1112$ 2.5 (4/b) X<sup>d</sup>b  $\mu_{set}=0.1269$  $\mu_{set} = 0.1426$  $\mu_{set}=0.1584$  $\mu_{set} = 0.1741$  $\mu_{set} = 0.1898$  $\mu_{set} = 0.2056$  $\mu_{set}=0.2213$  $\mu_{set} = 0.2371$ 1.0 - $\mu_{set}=0.2528$  $\mu_{set} = 0.2685$ 0.5  $\mu_{set} = 0.2843$  $\mu_{set}=0.3000$ 0.0 20 25 30 15

Time (hours)