(a) 

NO$_3^-$

(b) 

$y = -0.010x + 34.1$ 

$R^2 = 0.52$

(c) 

$y = 0.0041x - 5.29$ 

$R^2 = 0.86$, $P=0.025$

$y = 0.0031x - 2.22$ 

$R^2 = 0.93$, $P=0.008$