$$GHG_i = \sum_j \left(D_g \times MF_i \times t\right)_j \times \rho_i \times 0.001$$

Where:

GHG_i = Annual emissions of greenhouse gas *i* vented during well testing, in metric tons;
j = Well tested;
D_g = Average gas flow rate from venting of well *j* during testing, measured in accordance with paragraph 2 of QC.33.4.11, in cubic metres per hour at standard conditions;
MF_i = Molar fraction of greenhouse gas *i* in the gas du well *j*, determined in accordance with paragraph 3 of QC.33.4;
t = Duration of testing of well *j*, in hours;
p_i = Density of greenhouse gas *i* that is 1.830 kg per cubic metre for CO_2 and 0.668 kg per cubic metre for CH_4 at standard conditions;
0.001 = Conversion factor, kilograms to metric tons;
i = CO_2 or CH_4.