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

Where:

GHG_i = Annual emissions of greenhouse gas *i* vented during well testing, in metric tons;
j = Well tested;
GLR = Gas to liquid ratio for well *j*, determined in accordance with paragraph 1 of QC.33.4.11, in cubic metres of natural gas per cubic metre of liquid at standard conditions;
F_L = Liquid flow rate in well *j*, in cubic metres per hour;
MF_i = Molar fraction of greenhouse gas *i* in gas in well *j*, determined in accordance with paragraph 3 of QC.33.4;
t = Duration of testing of well *j*, in hours;
ρ_i = Density of greenhouse gas *i* that is 1.893 kg per cubic metre for CO_2 and 0.690 kg per cubic metre for CH_4 at standard conditions;
0.001 = Conversion factor, kilograms to metric tons;
i = CO_2 or CH_4;