

## Question 5 - Report

The electrostatic, vanderwaal and total energy are as follows:

Electrostatic energy: -5159.430611238769

Vanderwaal energy: 599.7631387966753

Total energy: = Electrostatic energy + Vanderwaal energy = -4559.667472442094

Electrostatic energy and Vanderwaal energy was calculated for  $^{432}\text{C}_2$  pairs of water molecules. It wasn't calculated for intramolecular atoms.