Figure 7 (a): Loading plots based on output from PCA (b) Loading plots based on output from FA (1) TPCS-total heterotrophic plate count of beach sediment samples (2) EW- Enterococci concentration in seawater (3) ES- Enterococci concentration in beach sediment samples (4) SW- Salmonella typhi concentration in beach water samples (5) SAW- Staphylococcus aureus concentration in beach water samples (6) VCW- Vibrio cholerae concentration in beach water samples (7) VCS- Vibrio cholerae concentration in beach sediment samples (8) VSW- Vibrio spp concentration in beach water samples (9) VSS – Vibrio species concentration in beach sediment samples (10) TCW – Total coliform count of beach water samples (11) TCS- Total coliform count of beach sediment samples (12) FCW – Faecal coliform count of beach water samples (13) FCS- Faecal coliform count of beach sand samples (14) AW- Aeromonas hydrophila concentration in beach water samples (15) EW- Enterococci concentration in beach water samples (16) SAS- Staphylococcus aureus counts of beach sediment samples (17) T- Beach water temperature in °C (18) D - Dissolved oxygen in % air saturation (19) DO - Dissolved oxygen in mg/L (20) pH- measure of the activity of the hydrogen ion concentration of beach water sample (21) S- Salinity (in ppt).