

ABSTRACT NO: 396
TITLE: Parameters Affecting The Quality Of Product Water Using
Reverse Osmosis Process
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The aim of this project is to determine and investigate the parameters affecting the quality of product water using the Reverse Osmosis Process. Water samples were collected from Mayaro and Manzanilla beaches. The east coast was chosen based on results of water quality from a previous project entitled "Characterisation of Seawater". The parameters, pressure and temperature were varied as the saline waters were passed through the system. The resulting product/permeate waters were analysed, using the ASTM Standard tests for pH, conductivity, turbidity, hardness, alkalinity, total dissolved salts and ions (i.e. calcium, magnesium, sulphate, chloride). The results were then examined and a relationship between each parameter and the product water quality was deduced.