

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S16_2018		
Sampling date	31.10.2018		
Location ID	Kusunti		
Sample description	TW2		
Sample Source	Tap_water		
Label	TW2		
Latitude	27.664901		
Longitude	85.308355		
Sea Level (mAOD)			
Depth below ground (m)			
pH	7.45		
Temp (degC)	20.5		
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)	217		
Alkalinity (mg/L CaCO3)	104		
Faecal Coliforms (count/100ml)	3	0	Y
Aluminium (mg/l)	0.008	0.2	N
Ammonium (mg/l)	0.046	<i>Not of health concerns at levels found in drinking water</i>	N
Antimony (mg/l)	0.005	0.02	N
Arsenic (mg/l)	0.005	0.01	N
Barium (mg/l)	0.049	1.3	N
Bromide (mg/l)	0.000	6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	35.122	100	N
Chloride (mg/l)	1.423	250	N
Chromium (mg/l)	0.001	0.05	N
Copper (mg/l)	0.002	2	N
Fluoride (mg/l)	0.100	1.5	N

Iron (mg/l)	0.008	2	N
Lead (mg/l)	0.001	0.01	N
Magnesium (mg/l)	6.952	<i>Not of health concerns at levels found in drinking water</i>	N
Manganese (mg/l)	0.001	0.4	N
Nickel (mg/l)	0.001	0.07	N
Nitrate (mg/l) (HACH)	2.568	50	N
Nitrate.1 (mg/l) (Ion Chrom)	1.801	50	N
Nitrite (mg/l) (HACH)	0.050	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.010	3	N
Phosphate (mg/l)	0.055	<i>Not of health concerns at levels found in drinking water</i>	N
Potassium (mg/l)	1.000	<i>Not of health concerns at levels found in drinking water</i>	N
Silicon (mg/l)	3.672	<i>Not of health concerns at levels found in drinking water</i>	N
Sodium (mg/l)	0.902	200	N
Strontium (mg/l)	0.085	4	N
Sulphate (mg/l)	5.098	500	N
Zinc (mg/l)	0.137	<i>Not of health concerns at levels found in drinking water</i>	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	0.367		
UV abs 210 (cm-1)	0.264		
UV abs 220 (cm-1)	0.115		
UV abs 230 (cm-1)	0.027		
UV abs 254 (cm-1)	0.003		
UV abs 260 (cm-1)	0.003		
UV abs 280 (cm-1)	0.002		
UV abs 300 (cm-1)	0.002		
Total Coliforms (total count)	39.5		
Putative Pathogens - Human E.coli (total count)			

Putative Pathogens - Total E.coli (total count)			
Putative Pathogens - Total Coliform (total count)			
Total Bacteria (total count)			
Enterococci (count/100ml)			
Contaminants	High faecal coliform count;		
Health Effects	Faecal contamination can lead to vomiting and diarrhoea. Pathogens such as E coli, hepatitis and salmonella can cause severe health effects ;		
Treatments	Faecal treatment - Heat water to a rolling boil and then allow to cool naturally, chemical disinfection, coagulation, distillation, reverse osmosis, slow sand filtration or solar disinfection;		