

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S5_2018		
Sampling date	30.10.2018		
Location ID	Sanepa_Height		
Sample description	DBW		
Sample Source	Deep_Borehole		
Label	BHW		
Latitude	27.683564		
Longitude	85.306661		
Sea Level (mAOD)			
Depth below ground (m)	91.5		
pH	6.6		
Temp (degC)	20.4		
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)	1139		
Alkalinity (mg/L CaCO3)	490		
Faecal Coliforms (count/100ml)	0	0	N
Aluminium (mg/l)	0.005	0.2	N
Ammonium (mg/l)	0.019	<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)	0.095	1.3	N
Bromide (mg/l)	0.012	6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	86.760	100	N
Chloride (mg/l)	2.048	250	N
Chromium (mg/l)	0.001	0.05	N
Copper (mg/l)	0.001	2	N
Fluoride (mg/l)	0.358	1.5	N

Iron (mg/l)	0.666	2	N
Lead (mg/l)	0.001	0.01	N
Magnesium (mg/l)	13.374	Not of health concerns at levels found in drinking water	N
Manganese (mg/l)	0.528	0.4	Y
Nickel (mg/l)	0.002	0.07	N
Nitrate (mg/l) (HACH)	1.417	50	N
Nitrate.1 (mg/l) (Ion Chrom)	0.036	50	N
Nitrite (mg/l) (HACH)	0.050	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.015	3	N
Phosphate (mg/l)	17.162	Not of health concerns at levels found in drinking water	N
Potassium (mg/l)	5.834	Not of health concerns at levels found in drinking water	N
Silicon (mg/l)	35.211	Not of health concerns at levels found in drinking water	N
Sodium (mg/l)	42.487	200	N
Strontium (mg/l)	0.227	4	N
Sulphate (mg/l)	0.366	500	N
Zinc (mg/l)	0.003	Not of health concerns at levels found in drinking water	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	1.441		
UV abs 210 (cm-1)	0.968		
UV abs 220 (cm-1)	0.787		
UV abs 230 (cm-1)	0.653		
UV abs 254 (cm-1)	0.439		
UV abs 260 (cm-1)	0.410		
UV abs 280 (cm-1)	0.323		
UV abs 300 (cm-1)	0.230		
Total Coliforms (total count)	0		
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 manganese level;		
Health Effects	High manganese levels may cause taste to be affected;		
Treatments	Manganese levels can be reduced using aeration or ion exchange;		