

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S4_2018		
Sampling date	30.10.2018		
Location ID	Dhobighat		
Sample description	DSW1		
Sample Source	Deep_Shallow_well		
Label	DSW1		
Latitude	27.673718		
Longitude	85.294829		
Sea Level (mAOD)			
Depth below ground (m)	10		
pH	7.8		
Temp (degC)	22.1		
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)	268		
Alkalinity (mg/L CaCO3)	98		
Faecal Coliforms (count/100ml)	0	0	N
Aluminium (mg/l)	0.214	0.2	Y
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)	0.036	1.3	N
Bromide (mg/l)	0.000	6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	40.195	100	N
Chloride (mg/l)	6.156	250	N
Chromium (mg/l)	0.001	0.05	N
Copper (mg/l)	0.001	2	N
Fluoride (mg/l)	0.100	1.5	N

Iron (mg/l)	0.003	2	N
Lead (mg/l)	0.001	0.01	N
Magnesium (mg/l)	4.378	<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)	2.833	50	N
Nitrate.1 (mg/l) (Ion Chrom)	1.979	50	N
Nitrite (mg/l) (HACH)	0.050	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.021	3	N
Phosphate (mg/l)	0.082	<i>Not of health concerns at levels found in drinking water</i>	N
Potassium (mg/l)	1.200	<i>Not of health concerns at levels found in drinking water</i>	N
Silicon (mg/l)	5.732	<i>Not of health concerns at levels found in drinking water</i>	N
Sodium (mg/l)	4.232	200	N
Strontium (mg/l)	0.064	4	N
Sulphate (mg/l)	7.730	500	N
Zinc (mg/l)	0.027	<i>Not of health concerns at levels found in drinking water</i>	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	0.472		
UV abs 210 (cm-1)	0.342		
UV abs 220 (cm-1)	0.016		
UV abs 230 (cm-1)	0.050		
UV abs 254 (cm-1)	0.013		
UV abs 260 (cm-1)	0.011		
UV abs 280 (cm-1)	0.007		
UV abs 300 (cm-1)	0.005		
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 aluminium level;		
Health Effects	High Aluminium levels can lead to vomiting, diarrhoea, skin rashes and skin ulcers;		
Treatments	Aluminium can be treated at home by point of use reverse osmosis and distillation;		