

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S8_2018		
Sampling date	31.10.2018		
Location ID	Banasthali		
Sample description	DSW4		
Sample Source	Community_Deep_Shallow_well		
Label	DSW4		
Latitude	27.728501		
Longitude	85.295739		
Sea Level (mAOD)			
Depth below ground (m)			
pH	6.2		
Temp (degC)	20.5		
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)	662		
Alkalinity (mg/L CaCO3)	130		
Faecal Coliforms (count/100ml)	0.5	0	Y
Aluminium (mg/l)	0.007	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)	0.121	1.3	N
Bromide (mg/l)	0.196	6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	57.293	100	N
Chloride (mg/l)	55.814	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)	0.162	2	N
Lead (mg/l)	0.001	0.01	N
Magnesium (mg/l)	12.639	Not of health concerns at levels found in drinking water	N
Manganese (mg/l)	0.050	0.4	N
Nickel (mg/l)	0.001	0.07	N
Nitrate (mg/l) (HACH)	57.947	50	Y
Nitrate.1 (mg/l) (Ion Chrom)	52.550	50	Y
Nitrite (mg/l) (HACH)	0.050	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.184	3	N
Phosphate (mg/l)	0.068	Not of health concerns at levels found in drinking water	N
Potassium (mg/l)	15.990	Not of health concerns at levels found in drinking water	N
Silicon (mg/l)	10.206	Not of health concerns at levels found in drinking water	N
Sodium (mg/l)	33.802	200	N
Strontium (mg/l)	0.195	4	N
Sulphate (mg/l)	61.483	500	N
Zinc (mg/l)	0.002	Not of health concerns at levels found in drinking water	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	3.017		
UV abs 210 (cm-1)	3.157		
UV abs 220 (cm-1)	2.765		
UV abs 230 (cm-1)	0.757		
UV abs 254 (cm-1)	0.034		
UV abs 260 (cm-1)	0.031		
UV abs 280 (cm-1)	0.026		
UV abs 300 (cm-1)	0.022		
Total Coliforms (total count)	200000		
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; High nitrate level; High nitrate level;		
Health Effects	Faecal contamination can lead to vomiting and diarrhoea. Pathogens such as E coli, hepatitis and salmonella can cause severe health effects ; High Nitrate levels can lead to cyanosis, asphyxia and blue-baby syndrome in infants; High Nitrate levels can		
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; Nitrate can be reduced through ion exchange; Nitrate can be reduced through ion exchange;		