

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S7_2018		
Sampling date	31.10.2018		
Location ID	Banasthali		
Sample description	DSW3		
Sample Source	Deep_Shallow_well		
Label	DSW3		
Latitude	27.728475		
Longitude	85.295282		
Sea Level (mAOD)			
Depth below ground (m)	9		
pH	6.35		
Temp (degC)	20.3		
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)	531		
Alkalinity (mg/L CaCO3)	200		
Faecal Coliforms (count/100ml)	0	0	N
Aluminium (mg/l)	0.006	0.2	N
Ammonium (mg/l)	1.757	<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)	0.118	1.3	N
Bromide (mg/l)	0.713	6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	47.894	100	N
Chloride (mg/l)	38.488	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)	1.481	2	N
Lead (mg/l)	0.001	0.01	N
Magnesium (mg/l)	7.501	<i>Not of health concerns at levels found in drinking water</i>	N
Manganese (mg/l)	0.657	0.4	Y
Nickel (mg/l)	0.002	0.07	N
Nitrate (mg/l) (HACH)	2.169	50	N
Nitrate.1 (mg/l) (Ion Chrom)	0.877	50	N
Nitrite (mg/l) (HACH)	0.050	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.136	3	N
Phosphate (mg/l)	0.054	<i>Not of health concerns at levels found in drinking water</i>	N
Potassium (mg/l)	9.641	<i>Not of health concerns at levels found in drinking water</i>	N
Silicon (mg/l)	22.160	<i>Not of health concerns at levels found in drinking water</i>	N
Sodium (mg/l)	19.236	200	N
Strontium (mg/l)	0.187	4	N
Sulphate (mg/l)	20.246	500	N
Zinc (mg/l)	0.003	<i>Not of health concerns at levels found in drinking water</i>	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	0.587		
UV abs 210 (cm-1)	0.408		
UV abs 220 (cm-1)	0.276		
UV abs 230 (cm-1)	0.191		
UV abs 254 (cm-1)	0.130		
UV abs 260 (cm-1)	0.124		
UV abs 280 (cm-1)	0.101		
UV abs 300 (cm-1)	0.079		
Total Coliforms (total count)	200000		
Putative Pathogens - Human E.coli (total count)			

<b>Putative Pathogens - Total E.coli (total count)</b>			
<b>Putative Pathogens - Total Coliform (total count)</b>			
<b>Total Bacteria (total count)</b>			
<b>Enterococci (count/100ml)</b>			
<b>Contaminants</b>	High manganese level;		
<b>Health Effects</b>	High manganese levels may cause taste to be affected;		
<b>Treatments</b>	Manganese levels can be reduced using aeration or ion exchange;		