

	Results	WHO Drinking Water limits	Limits Exceeded (Y/N)
Sample_ID	S32_2018		
Sampling date	06.07.2018		
Location ID	Cockle Park Farm		
Sample description	C - Borehole, 15m from A and 51m deep		
Sample Source	Borehole - Groundwater		
Label	BH		
Latitude	55.211879		
Longitude	-1.6856081		
Sea Level (mAOD)	91.27		
Depth below ground (m)	51		
pH			
Temp (degC)			
Salinity (ppm)			
TDS (mg/l)			
Conductivity (uS)			
Alkalinity (mg/L CaCO3)			
Faecal Coliforms (count/100ml)	0	0	N
Aluminium (mg/l)	0.008	0.2	N
Ammonium (mg/l)	0.060	<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)	0.064	1.3	N
Bromide (mg/l)		6	N
Cadmium (mg/l)	0.000	0.003	N
Calcium (mg/l)	20.643	100-300	N
Chloride (mg/l)	27.562	250	N
Chromium (mg/l)	0.001	0.05	N
Copper (mg/l)	0.002	2	N
Fluoride (mg/l)	0.370	1.5	N

Iron (mg/l)	0.002	2	N
Lead (mg/l)	0.005	0.01	N
Magnesium (mg/l)	7.805	<i>Not of health concerns at levels found in drinking water</i>	N
Manganese (mg/l)	0.124	0.4	N
Nickel (mg/l)	0.004	0.07	N
Nitrate (mg/l) (HACH)	56.242	50	Y
Nitrate.1 (mg/l) (Ion Chrom)	55.532	50	Y
Nitrite (mg/l) (HACH)	0.053	3	N
Nitrite.1 (mg/l) (Ion Chrom)	0.148	3	N
Phosphate (mg/l)	1.393	<i>Not of health concerns at levels found in drinking water</i>	N
Potassium (mg/l)	4.251	<i>Not of health concerns at levels found in drinking water</i>	N
Silicon (mg/l)	4.201	<i>Not of health concerns at levels found in drinking water</i>	N
Sodium (mg/l)	38.278	200	N
Strontium (mg/l)	0.112	4	N
Sulphate (mg/l)	36.159	500	N
Zinc (mg/l)	0.017	<i>Not of health concerns at levels found in drinking water</i>	N
TOC (mg/l)			
TIC (mg/l)			
UV abs 200 (cm-1)	3.026		
UV abs 210 (cm-1)	3.167		
UV abs 220 (cm-1)	2.657		
UV abs 230 (cm-1)	0.694		
UV abs 254 (cm-1)	0.020		
UV abs 260 (cm-1)	0.017		
UV abs 280 (cm-1)	0.014		
UV abs 300 (cm-1)	0.014		
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 nitrate level;		
Health Effects	High Nitrate levels can lead to cyanosis, asphyxia and blue-baby syndrome in infants;		
Treatments	Nitrate can be reduced through ion exchange;		