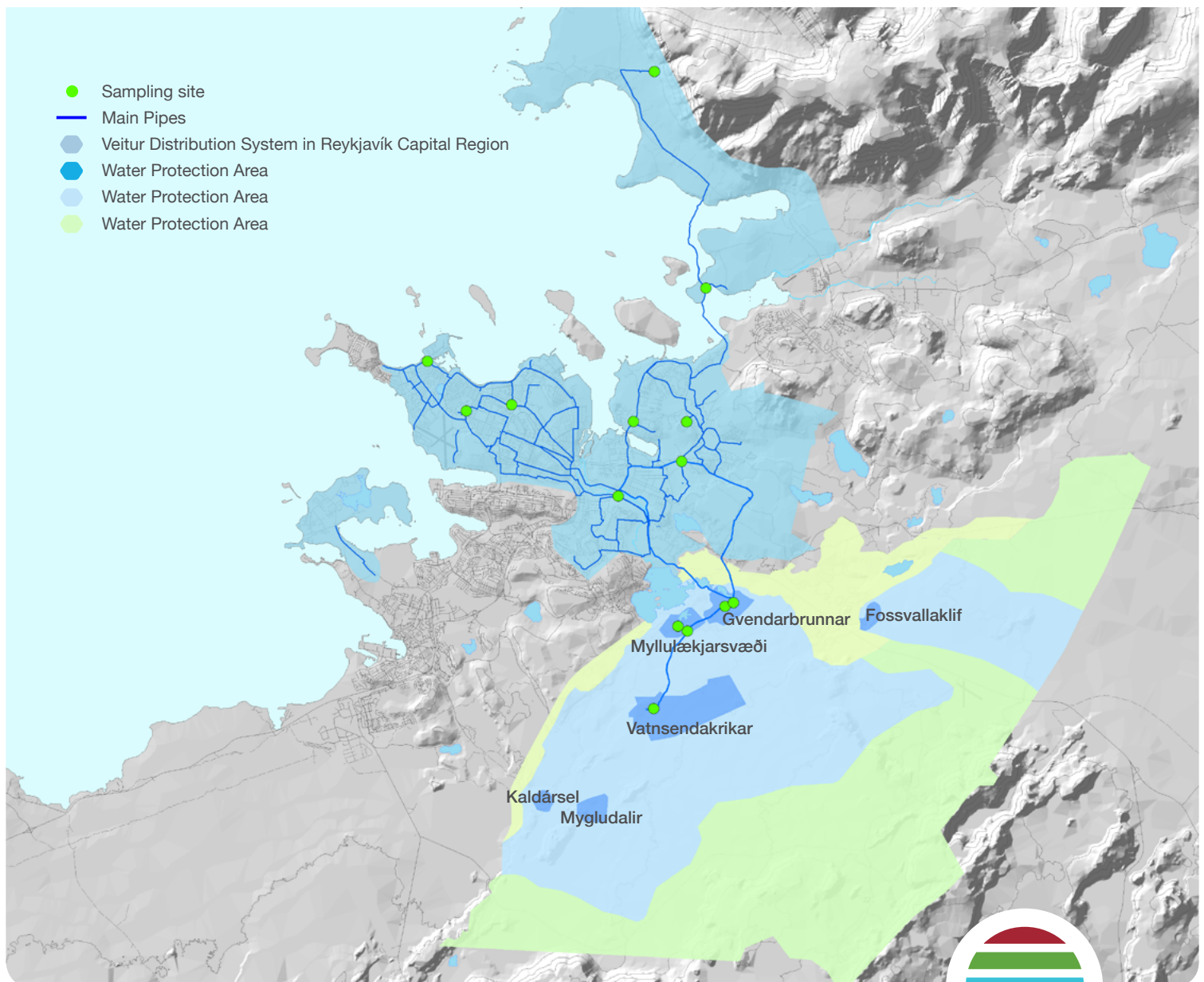


# Drinking Water Datasheet

## Veitur Utilities - Reykjavík Capital Region

### Source of supply

In the capital region, Veitur distributes cold water from its groundwater reservoirs. Due to the high quality of the groundwater, no treatment is required (chemical, mechanical, biological) as water comes out of the ground via secured bore holes. Veitur operates under an integrated quality system that aims to ensure customers safe delivery and efficient service. Quality is monitored throughout the distribution system.



# Parameters and parametric values

According to drinking water regulation nr. 536/2001

## Microbe analysis

Microbial properties	Unit	Max. recommended value
Total number of microbial analyses	Number	
Total microbes 22°C	Average	100/ml
	Highest value	100/ml
	Lowest value	100/ml
Escherichia coli (E. Coli)	Average	0/100 ml
	Highest value	0/100 ml
	Lowest value	0/100 ml
Enterococci	Average	0/100 ml
	Highest value	0/100 ml
	Lowest value	0/100 ml

## Physiological and chemical properties

Physiological and chemical properties	Unit	Max. recommended value
Colour of sample	mgPt/l	
Turbidity	NTU	Adequate
Temperature	°C	25
Acidity (pH)	pH unit	
Conductivity	µS/cm	2,500
Chloride (Cl)	mg/l	250
Sulphate (SO <sub>4</sub> )	mg/l	250
Fluoride (F)	mg/l	1.5
Nitrate (NO <sub>3</sub> )	mg/l	50
Nitrite (NO <sub>2</sub> )	mg/l	0.5
Ammonium (NH <sub>4</sub> -N)	mg/l	0.5
TOC	mg/l	no abnormal changes
Calcium (Ca)	mg/l	100
Iron (Fe)	mg/l	0.2
Potassium (K)	mg/l	12
Magnesium (Mg)	mg/l	50
Sodium (Na)	mg/l	200
Sulphur (S)	mg/l	
Silica (Si)	mg/l	
Aluminium (Al)	µg/l	200
Arsen (As)	µg/l	10

Physiological and chemical properties	Unit	Max. recommended value
Boron (B)	µg/l	1,000
Barium (Ba)	µg/l	700
Cadmium (Cd)	µg/l	5.0
Cobalt (Co)	µg/l	
Chromium (Cr)	µg/l	50
Copper (Cu)	µg/l	2000
Mercury (Hg)	µg/l	1.0
Manganese (Mn)	µg/l	50
Molybdenum (Mo)	µg/l	
Nickel (Ni)	µg/l	20
Phosphorus (P)	µg/l	5,000
Lead (Pb)	µg/l	10
Antimon (Sb)	µg/l	5.0
Selen (Se)	µg/l	10
Strontium (Sr)	µg/l	
Sink (Zn)	µg/l	3,000
Vanadium (V)	µg/l	
benzene	µg/l	1.0
toluene	µg/l	
ethylbenzene	µg/l	
m,p-xylene	µg/l	
o-xylene	µg/l	
sum xylene	µg/l	
dichloromethane	µg/l	
1,1 - dichloroethane	µg/l	
1,2 - dichloroethane	µg/l	3.0
trans 1,2 - dichloroethane	µg/l	
Selen (Se)	µg/l	10
Strontium (Sr)	µg/l	
Sink (Zn)	µg/l	3,000
Vanadium (V)	µg/l	
benzene	µg/l	1.0
toluene	µg/l	
ethylbenzene	µg/l	
m,p-xylene	µg/l	
o-xylene	µg/l	
sum xylene	µg/l	
dichloromethane	µg/l	
1,1 - dichloroethane	µg/l	

Physiological and chemical properties	Unit	Max. recommended value
1,2 - dichloroethane	µg/l	3.0
trans 1,2 - dichloroethane	µg/l	
cis 1,2 - dichloroethane	µg/l	
1,2 - dichloropropane	µg/l	
trichloromethane	µg/l	100
tetrachloromethane	µg/l	
1,1,1 - trichloroethane	µg/l	
1,1,2 - trichloroethane	µg/l	
trichloroethane	µg/l	10
tetrachloroethane	µg/l	10
Vinyl chloride	µg/l	0.5
1,1 - dichloroethane	µg/l	
naphtalen	µg/l	
acenaphthylene	µg/l	
acenaphtene	µg/l	
fluorene	µg/l	
phenanthrene	µg/l	
anthracene	µg/l	
fluoroathene	µg/l	
pyrene	µg/l	
benz(a)anthracene	µg/l	
chrysene	µg/l	
benzo(b)fluoranthene	µg/l	0.1
benzo(k)fluoranthene	µg/l	0.1
benzo(a)pyrene	µg/l	0.01
dibenzo(ah)anthracene	µg/l	
benzo(ghi)perylene	µg/l	0.1
indeno(123-cd)pyrene	µg/l	
sum PAH 16 (EPA)	µg/l	
sum PAH cancerogene	µg/l	
sum PAH other	µg/l	
sum PAH 4	µg/l	
sum PAH L	µg/l	
sum PAH M	µg/l	
sum PAH H	µg/l	
tribromomethane	µg/l	
Dibromochloromethane	µg/l	
bromodichloromethane	µg/l	
sum trihalomethane	µg/l	
Cyanide (CN total)	µg/l	50

### Quality Standards

European requirements 98/83 (Council directive 98/83/EC, the Drinking Water Directive, DWD) for drinking water have been implemented in Icelandic legislation for drinking water in regulation nr. 536/2001.

### Reports

Results of monitoring are published and available on [www.veitur.is](http://www.veitur.is).

### Surveillance

Reykjavik Office for Health and Environment (HER) is responsible for surveillance on production and distribution of drinking water in Reykjavik. Microbiological, chemical and indicator parameters are monitored and tested regularly.

Sampling is according to drinking water regulation nr. 536/2001.



**VEITUR**