



**CHEMICAL  
ANALYSES OF  
DRINKING WATER**

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# CHEMICAL ANALYSES OF DRINKING WATER



**Do you want to learn more about the characteristics of your drinking water? Chemical analysis of drinking water allows you to obtain this information.**

Well water contains minerals that are naturally present, such as calcium, iron, and magnesium. Although these minerals are not harmful to human health, they can alter the taste, odour, and colour of water when present in excessive amounts. Groundwater may also contain natural organic matter (tannins).

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**Are there chemical contaminants that are dangerous to health?**

Yes, these include nitrates and nitrites, which are indicators of the presence of other pollutants. A high concentration of nitrates could cause health problems, especially in babies under 6 months of age.

The presence of pesticides, heavy metals, and volatile organic compounds confirms that the water analyzed is not safe to drink and should not be consumed.

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## Should we have our water tested for these contaminants?

Yes, but only if chemical contamination by hazardous products is suspected.



## What are the main parameters to check routinely?

- Hardness
- Nitrites and nitrates
- Metal scan: arsenic, barium, boron, cadmium, calcium, chromium, copper, iron, magnesium, manganese, lead, potassium, sodium, zinc



## What containers should be used for sampling?

Our laboratory and/or regional office staff will provide you with the appropriate containers and necessary instructions. Samples collected in other containers will not be accepted.



Our laboratories are accredited by PALA (Laboratory Analysis Accreditation Program).

### Sources :

Santé Canada, Votre Santé et vous-2002 : [http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/2010-sum\\_guide-res\\_recom/index-fra.php](http://www.hc-sc.gc.ca/ewh-semt/pubs/water-eau/2010-sum_guide-res_recom/index-fra.php)

Règlement sur la qualité de l'eau potable au Québec : [http://www22.publicationsduquebec.gouv.qc.ca/dynamicSearch/telecharge.php?type=2&file=/Q\\_2/Q2R40.htm](http://www22.publicationsduquebec.gouv.qc.ca/dynamicSearch/telecharge.php?type=2&file=/Q_2/Q2R40.htm)



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Environment Testing



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### Québec (Laboratory)

4495, boulevard Wilfrid-Hamel,  
suite 150  
Québec (Québec) G1P 2J7  
Phone : 418 977-1220

### Longueuil (Laboratory)

2350, chemin du Lac  
Longueuil (Québec) J4N 1G8  
Phone : 514 332-6001

### Ottawa (Laboratory)

2-146 Colonnade Rd S,  
Ottawa, ON K2E 7Y1  
Phone : 613 727-5692

### Edmonton (Laboratory)

18949 111 Ave NW,  
Edmonton, AB T5S 0A5  
Phone : 780 457-4652

