**Variations in Drinking Water**

*(subjective)* ***Perceptible*** *VARIATIONS*

|  |  |
| --- | --- |
| **Noticeable Effects** | **Suggested Source(s)** |
| Metallic taste; blue-green staining | Copper |
| Musty, earthy odors and tastes | Decaying organic matter |
| Rotten-egg smelling or taste | Hydrogen sulfide |
| Rusty color; metallic taste | Iron |
| Smell and taste of chlorine | Disinfection use of chlorine |
| Black to brown color; black staining | Manganese |
| Scale deposits | Dissolved calcium and magnesium |

*(objective)* ***Measurable*** *VARIATIONS*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Parameter** | **Eugene PW1** | **Portland PW** | **Salem PW** | **Bellingham WA** |
| pH | 6.5-8.5 | 7.5-8.5 | 6.6-8.5 | 7.8-8.2 |
| Turbidity (NTU) .3 | 0.02 | .19-1.01 | .05-.47 | .06 |
| TDS total dissolved solids (mg/L) 300-500 | 53 | ? | ? | 46  (purified) 4  Fuji bottled 226 |
| Lead (15 ppb) | ND2 | \*\*\*\*\*\* ! | 1-23 | 1-15+ |
| Microcystins3 (0.3 ppb) **NOT** regulated | ? [click on](https://www.ewg.org/interactive-maps/2019_microcystin/map/)  [Interactive map](https://www.ewg.org/interactive-maps/2019_microcystin/map/) | ? | Do NOT drink advisories earlier | ? could be a problem |
| Cryptosporidium4 | ND | positive samples | ND | ND |
| EWG contaminants ☹ | 2 | 4 | 3 | 8 |

PW**1** = Public Water

ND2= Non-detectable

\*\*\*\*! = Portland Public Schools Lead problem

Microcystins3 = toxin from blue-green algae

Cryptosporidium4 = microscopic parasite

EWG (Environmental Working Group) contaminants ☹ = contaminants detected above health standards