

Common Units Used When Reporting Laboratory Results

| | | |
|--------------------------|---|--|
| ppm (parts per million) | = | mg/kg, ug/g, ng/mg, pg/ug, mg/L, ug/mL, ng/uL |
| ppb (parts per billion) | = | ug/kg, ng/g, pg/mg, ug/L, ng/mL, pg/uL |
| ppt (parts per trillion) | = | ng/kg, pg/g, fg/mg, ng/L, pg/mL, fg/uL |
| 1 ppm = 1000 ppb | = | 1 ppb=0.001 ppm |

| Multiplication factor | Prefix | Symbol |
|--|---------------|---------------|
| 1,000,000,000,000,000,000 = 10 ¹⁸ | exa- | E |
| 1,000,000,000,000,000 = 10 ¹⁵ | penta- | P |
| 1,000,000,000,000,000 = 10 ¹² | tera- | T |
| 1,000,000,000 = 10 ⁹ | giga- | G |
| 1,000,000 = 10 ⁶ | mega- | M |
| 1,000 = 10 ³ | kilo- | k |
| 100 = 10 ² | hecto- | h |
| 10 = 10 ¹ | deka- | da |
| 0.1 = 10 ⁻¹ | deci- | d |
| 0.01 = 10 ⁻² | centi- | c |
| 0.001 = 10 ⁻³ | milli- | m |
| 0.000001 = 10 ⁻⁶ | micro- | u |
| 0.000000001 = 10 ⁻⁹ | nano- | n |
| 0.000000000001 = 10 ⁻¹² | pico- | p |
| 0.000000000000001 = 10 ⁻¹⁵ | femto- | f |
| 0.000000000000000001 = 10 ⁻¹⁸ | atto- | a |