## Parts Per Million (ppm)

1 milligram/kilogram (mg/kg) = 1 ppm
$1 \mathrm{milligram} /$ liter $(\mathrm{mg} / \mathrm{l})=1 \mathrm{ppm}$
$1 \mathrm{microgram} / \operatorname{gram}(\mu \mathrm{g} / \mathrm{g})=1 \mathrm{ppm}$
$0.0001 \%=1 \mathrm{ppm}$
1 ppm Analogies
1 inch in 16 miles
1 minute in two years
1 second in 11.5 days
1 car in bumper-to-bumper traffic from Cleveland to San
Francisco
8.34 pounds/million gallons

400,000 to 500,000 pounds in Pike Bay (approximately)

## $1 \mathrm{ppm}=1,000 \mathrm{ppb}=1,000,000 \mathrm{ppt}$

## Parts Per Billion (ppb)

1 microgram/kilogram ( $\mu \mathrm{g} / \mathrm{kg}$ ) = 1 ppb
1 microgram/liter $(\mu \mathrm{g} / \mathrm{l})=1 \mathrm{ppb}$
1 nanogram/gram (ng/g) $=1 \mathrm{ppb}$
1 ppb Analogies
1 silver dollar in a roll stretching from Detroit to Salt Lake City
1 sheet in a roll of toilet paper stretching from New York to London
1 second in nearly 32 years
1 pound/120 million gallons of water
400 to 500 pounds in Pike Bay (approximately)

## $0.001 \mathrm{ppm}=1 \mathrm{ppb}=1,000 \mathrm{ppt}$

## Parts Per Trillion (ppt)

1 nanogram/kilogram (ng/kg) = 1 ppt
1 nanogram/liter (ng/l) $=1 \mathrm{ppt}$
1 picogram/gram (pg/g) $=1 \mathrm{ppt}$
1 ppt Analogies
1 square inch in 250 square miles
1 second in nearly 32,000 years
1 ounce in 7.5 billion gallons of water

6 to 8 ounces in Pike Bay (approximately)
$0.000001 \mathrm{ppm}=0.001 \mathrm{ppb}=1 \mathrm{ppt}$

