

| Units of Measure   |                    |                       |                       |
|--------------------|--------------------|-----------------------|-----------------------|
| Symbol             | Name               | Symbol                | Name                  |
| <i>Temperature</i> |                    | <i>Concentration</i>  |                       |
| °C                 | degrees Centigrade | ppb                   | parts per billion     |
| °F                 | degrees Fahrenheit | ppm                   | parts per million     |
| <i>Time</i>        |                    | <i>Rate</i>           |                       |
| d                  | day                | cfs                   | cubic feet per second |
| h                  | hour               | gpm                   | gallons per minute    |
| y                  | year               | <i>Conductivity</i>   |                       |
| <i>Length</i>      |                    | µmho                  | micromho              |
| cm                 | centimeter         | <i>Radioactivity</i>  |                       |
| ft                 | foot               | Ci                    | curie                 |
| in                 | inch               | cpm                   | counts per minute     |
| km                 | kilometer          | mCi                   | millicurie            |
| m                  | meter              | µCi                   | microcurie            |
| mm                 | millimeter         | pCi                   | picocurie             |
| µm                 | micrometer         | Bq                    | becquerel             |
| <i>Mass</i>        |                    | <i>Radiation Dose</i> |                       |
| g                  | gram               | mrad                  | millirad              |
| kg                 | kilogram           | mrem                  | millirem              |
| mg                 | milligram          | Sv                    | sievert               |
| µg                 | microgram          | mSv                   | millisievert          |
| <i>Area</i>        |                    | µSv                   | microsievert          |
| mi <sup>2</sup>    | square mile        | R                     | roentgen              |
| ft <sup>2</sup>    | square foot        | mR                    | milliroentgen         |
| <i>Volume</i>      |                    | µR                    | microroentgen         |
| gal                | gallon             | Gy                    | gray                  |
| L                  | liter              |                       |                       |
| mL                 | milliliter         |                       |                       |

| Fractions and Multiples of Units |                      |        |        |               |
|----------------------------------|----------------------|--------|--------|---------------|
| Multiple                         | Decimal Equivalent   | Prefix | Symbol | Report Format |
| $10^6$                           | 1,000,000            | mega-  | M      | E+06          |
| $10^3$                           | 1,000                | kilo-  | k      | E+03          |
| $10^2$                           | 100                  | hecto- | h      | E+02          |
| 10                               | 10                   | deka-  | da     | E+01          |
| $10^{-1}$                        | 0.1                  | deci-  | d      | E-01          |
| $10^{-2}$                        | 0.01                 | centi- | c      | E-02          |
| $10^{-3}$                        | 0.001                | milli- | m      | E-03          |
| $10^{-6}$                        | 0.000001             | micro- | $\mu$  | E-06          |
| $10^{-9}$                        | 0.000000001          | nano-  | n      | E-09          |
| $10^{-12}$                       | 0.000000000001       | pico-  | p      | E-12          |
| $10^{-15}$                       | 0.000000000000001    | femto- | f      | E-15          |
| $10^{-18}$                       | 0.000000000000000001 | atto-  | a      | E-18          |

| Conversion Table (Units of Radiation Measure) |                              |                                |
|-----------------------------------------------|------------------------------|--------------------------------|
| Current System                                | <i>Système International</i> | Conversion                     |
| curie (Ci)                                    | becquerel (Bq)               | 1 Ci = $3.7 \times 10^{10}$ Bq |
| rad (radiation absorbed dose)                 | gray (Gy)                    | 1 rad = 0.01 Gy                |
| rem (roentgen equivalent man)                 | sievert (Sv)                 | 1 rem = 0.01 Sv                |

| Conversion Table         |            |                     |                     |           |                          |
|--------------------------|------------|---------------------|---------------------|-----------|--------------------------|
| Multiply                 | By         | To Obtain           | Multiply            | By        | To Obtain                |
| in                       | 2.54       | cm                  | cm                  | 0.394     | in.                      |
| ft                       | 0.305      | m                   | m                   | 3.28      | ft                       |
| mi                       | 1.61       | km                  | km                  | 0.621     | mi                       |
| lb                       | 0.4536     | kg                  | kg                  | 2.205     | lb                       |
| liq qt-US                | 0.946      | L                   | L                   | 1.057     | liq qt-US                |
| ft <sup>2</sup>          | 0.093      | m <sup>2</sup>      | m <sup>2</sup>      | 10.764    | ft <sup>2</sup>          |
| mi <sup>2</sup>          | 2.59       | km <sup>2</sup>     | km <sup>2</sup>     | 0.386     | mi <sup>2</sup>          |
| ft <sup>3</sup>          | 0.028      | m <sup>3</sup>      | m <sup>3</sup>      | 35.31     | ft <sup>3</sup>          |
| d/m                      | 0.450      | pCi                 | pCi                 | 2.22      | d/m                      |
| pCi                      | $10^{-6}$  | $\mu$ Ci            | $\mu$ Ci            | $10^6$    | pCi                      |
| pCi/L (water)            | $10^{-9}$  | $\mu$ Ci/mL (water) | $\mu$ Ci/mL (water) | $10^9$    | pCi/L (water)            |
| pCi/m <sup>3</sup> (air) | $10^{-12}$ | $\mu$ Ci/mL (air)   | $\mu$ Ci/mL (air)   | $10^{12}$ | pCi/m <sup>3</sup> (air) |