1/27/75

General Electric - Hudson Falls

$(1{,}500{,}000 \frac{gal}{day})(3.785 \text{ liters/gal}) = 5{,}677{,}500 \text{ liters/day}$

$(5{,}677{,}500 \text{ liters/day})(1264 \mu g/\ell)/10^9 = 7.1764 \text{ kg/day}$

$(7.1764 \text{ kg/day})(2.205) = 15.82387$

Average flow of Hudson @ 4910 cfs

$$\frac{15.8}{\left(4910 \frac{ft^3}{sec}\right)\left(60 \frac{sec}{min}\right)\left(1440 \frac{min}{day}\right)\left(7.481 \frac{\#}{ft^3}\right)} = \frac{y}{10^9}$$

$$y = \frac{(1.58 \times 10)(1 \times 10^9)}{(0.491 \times 10^4)(0.6 \times 10^2)(1.44 \times 10^3)(0.7481 \times 10)} = 4.98 \text{ ppb}$$

DSW 374323