

6000 gallons= 22712 liters

22712liters of clean water = 22712 kg weight

Weight of truck =30140 lbs

$30140 \times 2.2046 = 13671$ kg

Weight of full truck=80680 lbs

80680lbs = 36595 kg

Weight of land fill water: $36596\text{kg} - 13671\text{kg} = 22925$ kg

Weight of land fill water (22925) - Weight of clean water (22712) = 213 kgs of OTHER

$213\text{kg} \times 2.2046 = 469.58$ lbs

Grams per liter. $213000\text{ grams} / 22712 = 9.378$ g/l

14 grams = Table spoon