Errata

Although we endeavored to make our book as error-free as possible, we still have found some mistakes. The list below is current as of ***April 15, 2014***.

This listing is the errors contained in the first printing of the book. Many of them have been corrected in subsequent printings. We offer this full list for those who have the earlier version of the text.

We would greatly appreciate receiving information from readers on any errors they encounter so that they can be listed here. Please send this information to the following email address: BAwaterchem@gmail.com

Page	**Correction**
11	The units for the y-axis in Figure 1.2 should be T(°C), not T(K)
19	Table 1.2, the symbol for parts per thousand (ppt) should be ‰, not %.
52	Table 2.3, the heading "Harriett" should be "Harriet"
53	In footnote ‡, "Harriett" should be "Harriet"
54	In Table 2, the volume for rivers should be 2.12×10^3 . The exponent is missing
69	Titles under bar graph and pie chart and the figure legend for parts (a) and (b) should be "Harriet"
99	In the equation calculating ΔG°, the 2 in $Fe2O_3$ should be a subscript. The denominator in the second equation for *K* should be $a_{FeO}a_{O_2}^{1/2}$
100	The first equation shown is a repeat of Equation 3.12 not 3.11 (the next line should also refer to equation 3.12)
121	Example 4.1: In problem statement, change value for specific conductance to 150 µS/cm. In answer, change first line to: "Using Eq. 4.7a, $I = 1.6 \times 10^{-5} \times 150 = 2.4 \times 10^{-3}$."
156	In equation 5.18a, insert a) between the t and } i.e., the end of the equation should be)t)}
167	Eq. 5.31a should be: $\ln k = -E_{act}/RT + \ln A$.
230	In the equation for α_2, the term in the numerator should be $\{H\}K_1K_2$. That is, remove the 2 exponent on the {H}
233	Equation 7.35a. the last term should be Ka[HAc]/[H+] (the / is missing)
305	Problem 8.3 should refer to Table 8.2 (not 8.1)
357	In Eq. 9.29, the term k_{Cu}^{Y} in the brackets ([ ]) should be part of the numerator of the other term in the brackets. The correct equation is: $$\frac{-d[\mathrm{Cu}]}{dt} = \left(\left[\frac{k_{Cu}^{Y} + k_{Cu}^{HY} K_{HY} \{H^+\}}{K_{CaY}} \right] \frac{1}{[\mathrm{Ca}]} + k_{Cu}^{CaY} \right) [\mathrm{CaY}][\mathrm{Cu}]$$
400	Problem 10.3 should refer to Example 7.12, not 7.9
456	Table 12.1, second last half reaction should be: "$O_{2(aq)} + 2e^- + 2H^+ \rightarrow H_2O_{2(aq)}$"
459	Equation 12.7 should be:

$$\ln S_{O_2} = -139.34410 + \frac{1.575701\times10^{5}}{T} - \frac{6.642308\times10^{7}}{T^{2}} + \frac{1.243800\times10^{10}}{T^{3}} - \frac{8.621949\times10^{11}}{T^{4}}$$

479 Problem 12.7(d) should start: “A 200-mL sample…” and lines 4-5 of the note to part (d) should read: “The 200 mL sample titrated thus represents only 197.33 mL of the original lake water.”

499 The rate constants (k_T) in Table 1 are in M^{-1} min^{-1}

542 Eq. 14.27 should be Eq. 14.27c.

555 Problem 14.6: X should be in units of mg/kg.

682 In line 6 of paragraph after the list of three compounds and their molecular weights, a period is needed after “…decimal places.”

717 The label “acetochlor” on the second row of structure should be changed to “alachlor.”

753 In problem 19.6, lines 2-3 should refer to “2 L of air,” not 2 L of water.

763 The heading “Sliver” should be Silver