

1. $\text{Fe}^{2+} + \text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})^+ + \text{H}^+$
 $K_1 = 10^{-3.75}$
 2. $\text{Fe}(\text{OH})^+ + \text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_2 + \text{H}^+$
 $K_2 = 10^{-6.42}$
 3. $\text{Fe}(\text{OH})_2 + \text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_3 + \text{H}^+$
 $K_3 = 10^{-10.48}$
 4. $\text{Fe}^{2+} + 2\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_2 + 2\text{H}^+$
 $K_4 = 10^{-9.47}$
 5. $\text{Fe}^{2+} + 3\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_3 + 3\text{H}^+$
 $K_5 = 10^{-20.65}$
 6. $\text{Fe}^{2+} + 4\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_4^- + 4\text{H}^+$
 $K_6 = 10^{-26.0}$
 7. $\text{Fe}^{2+} + 5\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_5^{2-} + 5\text{H}^+$
 $K_7 = 10^{-31.4}$
 8. $\text{Fe}^{2+} + 6\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_6^{3-} + 6\text{H}^+$
 $K_8 = 10^{-36.8}$
 9. $\text{Fe}^{2+} + 7\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_7^{4-} + 7\text{H}^+$
 $K_9 = 10^{-42.2}$
 10. $\text{Fe}^{2+} + 8\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_8^{5-} + 8\text{H}^+$
 $K_{10} = 10^{-47.6}$
 11. $\text{Fe}^{2+} + 9\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_9^{6-} + 9\text{H}^+$
 $K_{11} = 10^{-53.0}$
 12. $\text{Fe}^{2+} + 10\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{10}^{7-} + 10\text{H}^+$
 $K_{12} = 10^{-58.4}$
 13. $\text{Fe}^{2+} + 11\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{11}^{8-} + 11\text{H}^+$
 $K_{13} = 10^{-63.8}$
 14. $\text{Fe}^{2+} + 12\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{12}^{9-} + 12\text{H}^+$
 $K_{14} = 10^{-69.2}$
 15. $\text{Fe}^{2+} + 13\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{13}^{10-} + 13\text{H}^+$
 $K_{15} = 10^{-74.6}$
 16. $\text{Fe}^{2+} + 14\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{14}^{11-} + 14\text{H}^+$
 $K_{16} = 10^{-80.0}$
 17. $\text{Fe}^{2+} + 15\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{15}^{12-} + 15\text{H}^+$
 $K_{17} = 10^{-85.4}$
 18. $\text{Fe}^{2+} + 16\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{16}^{13-} + 16\text{H}^+$
 $K_{18} = 10^{-90.8}$
 19. $\text{Fe}^{2+} + 17\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{17}^{14-} + 17\text{H}^+$
 $K_{19} = 10^{-96.2}$
 20. $\text{Fe}^{2+} + 18\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{18}^{15-} + 18\text{H}^+$
 $K_{20} = 10^{-101.6}$
 21. $\text{Fe}^{2+} + 19\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{19}^{16-} + 19\text{H}^+$
 $K_{21} = 10^{-107.0}$
 22. $\text{Fe}^{2+} + 20\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{20}^{17-} + 20\text{H}^+$
 $K_{22} = 10^{-112.4}$
 23. $\text{Fe}^{2+} + 21\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{21}^{18-} + 21\text{H}^+$
 $K_{23} = 10^{-117.8}$
 24. $\text{Fe}^{2+} + 22\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{22}^{19-} + 22\text{H}^+$
 $K_{24} = 10^{-123.2}$
 25. $\text{Fe}^{2+} + 23\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{23}^{20-} + 23\text{H}^+$
 $K_{25} = 10^{-128.6}$
 26. $\text{Fe}^{2+} + 24\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{24}^{21-} + 24\text{H}^+$
 $K_{26} = 10^{-134.0}$
 27. $\text{Fe}^{2+} + 25\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{25}^{22-} + 25\text{H}^+$
 $K_{27} = 10^{-139.4}$
 28. $\text{Fe}^{2+} + 26\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{26}^{23-} + 26\text{H}^+$
 $K_{28} = 10^{-144.8}$
 29. $\text{Fe}^{2+} + 27\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{27}^{24-} + 27\text{H}^+$
 $K_{29} = 10^{-150.2}$
 30. $\text{Fe}^{2+} + 28\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{28}^{25-} + 28\text{H}^+$
 $K_{30} = 10^{-155.6}$
 31. $\text{Fe}^{2+} + 29\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{29}^{26-} + 29\text{H}^+$
 $K_{31} = 10^{-161.0}$
 32. $\text{Fe}^{2+} + 30\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{30}^{27-} + 30\text{H}^+$
 $K_{32} = 10^{-166.4}$
 33. $\text{Fe}^{2+} + 31\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{31}^{28-} + 31\text{H}^+$
 $K_{33} = 10^{-171.8}$
 34. $\text{Fe}^{2+} + 32\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{32}^{29-} + 32\text{H}^+$
 $K_{34} = 10^{-177.2}$
 35. $\text{Fe}^{2+} + 33\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{33}^{30-} + 33\text{H}^+$
 $K_{35} = 10^{-182.6}$
 36. $\text{Fe}^{2+} + 34\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{34}^{31-} + 34\text{H}^+$
 $K_{36} = 10^{-188.0}$
 37. $\text{Fe}^{2+} + 35\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{35}^{32-} + 35\text{H}^+$
 $K_{37} = 10^{-193.4}$
 38. $\text{Fe}^{2+} + 36\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{36}^{33-} + 36\text{H}^+$
 $K_{38} = 10^{-198.8}$
 39. $\text{Fe}^{2+} + 37\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{37}^{34-} + 37\text{H}^+$
 $K_{39} = 10^{-204.2}$
 40. $\text{Fe}^{2+} + 38\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{38}^{35-} + 38\text{H}^+$
 $K_{40} = 10^{-209.6}$
 41. $\text{Fe}^{2+} + 39\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{39}^{36-} + 39\text{H}^+$
 $K_{41} = 10^{-215.0}$
 42. $\text{Fe}^{2+} + 40\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{40}^{37-} + 40\text{H}^+$
 $K_{42} = 10^{-220.4}$
 43. $\text{Fe}^{2+} + 41\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{41}^{38-} + 41\text{H}^+$
 $K_{43} = 10^{-225.8}$
 44. $\text{Fe}^{2+} + 42\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text{OH})_{42}^{39-} + 42\text{H}^+$
 $K_{44} = 10^{-231.2}$
 45. $\text{Fe}^{2+} + 43\text{H}_2\text{O} \rightleftharpoons \text{Fe}(\text$