Table S1. Binding parameters of interaction of RH with Fe$^{3+}$.

| System       | $K_{SV} (10^5 \text{ M}^{-1})$ | R    | S.D. | $K (10^5 \text{ M}^{-1})$ | $n$  | R    | S.D. |
|--------------|---------------------------------|------|------|--------------------------|------|------|------|
| RH-Fe$^{3+}$ ion | 9.60                           | 0.9936 | 0.45 | 3.80                     | 1.17 | 0.9907 | 0.06 |