Logarithmic corrections to black hole entropy offer a robust infrared window into ultraviolet structure of quantum black holes. We study these corrections for Kerr-Newman black holes embedded in N=2 supergravity and show that logarithmic corrections simplify greatly even when the black holes do not preserve any supersymmetry. The result can be recast as the vanishing of the trace anomaly c=0 in 4D supergravity.