

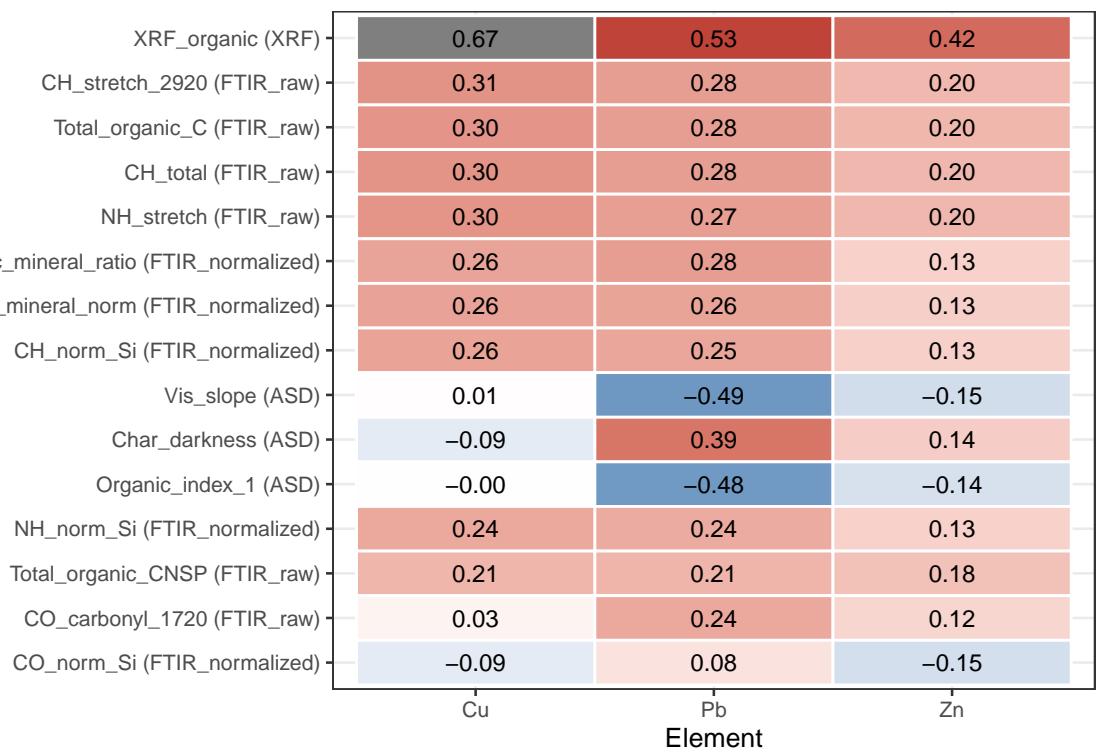
Organic Proxy Analysis (Cleaned Dataset – XPAH26 Excluded)

Evaluating FTIR, ASD, and XRF proxies for XRF–ICPMS offset prediction

A) Proxy Correlations (XPAH26 excluded)

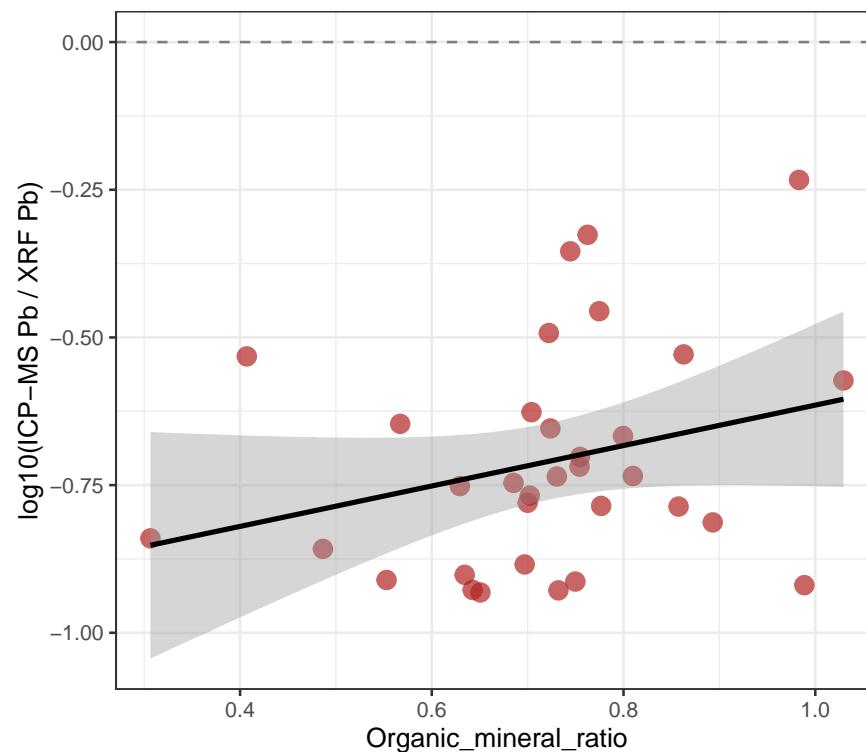
Top 15 proxies, n = 33 samples

Proxy



B) Organic_mineral_ratio vs Pb Offset

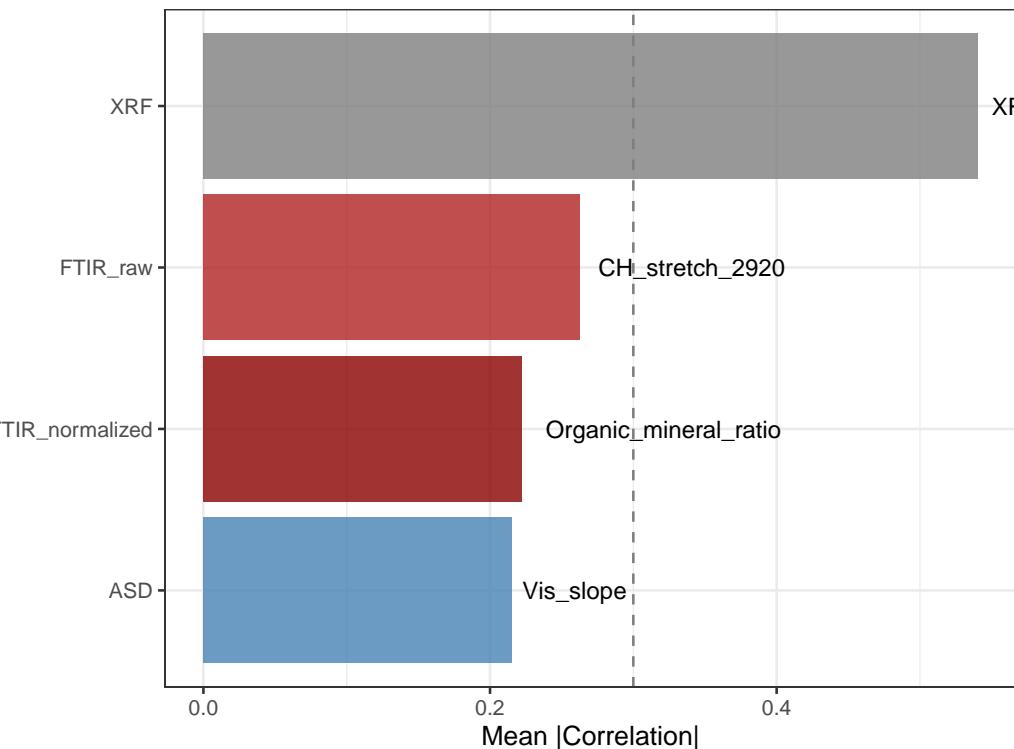
$r = 0.277$, n = 33



C) Best Proxy by Source

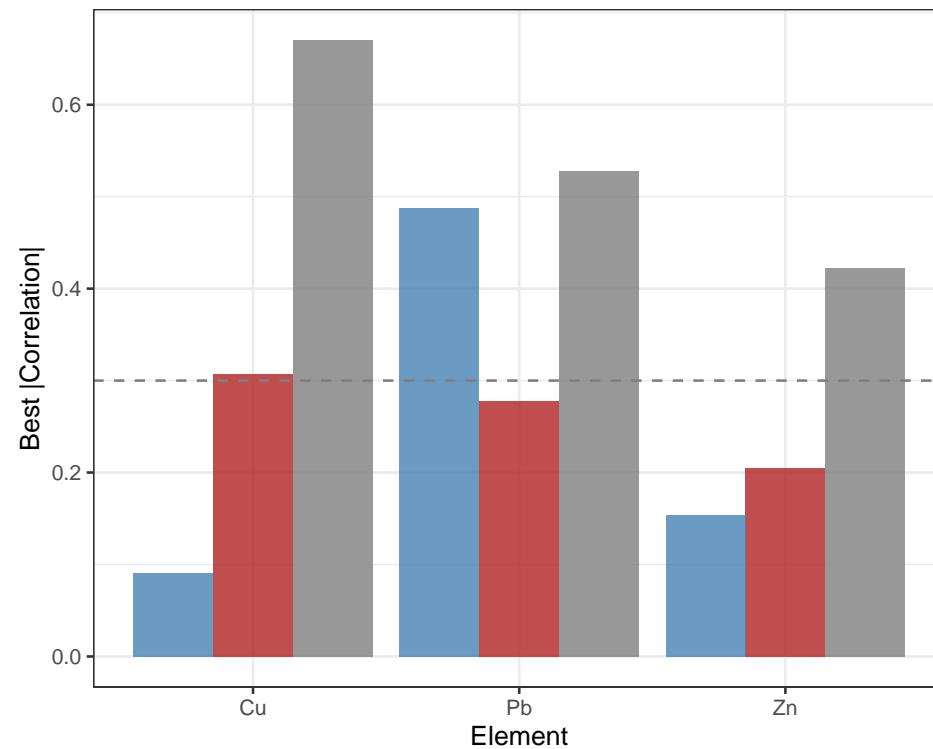
Mean $|r|$ across Pb, Zn, Cu

Source



D) Best $|r|$ by Element and Source

Comparing FTIR, ASD, and XRF



Source ASD FTIR XRF