

Supporting Information

Figure S1. Photograph of microcosm experiments with (a) ZVI (b) GR-CO₃ and (c) GR-Zn-CO₃, and COPR leachate at pH 12.2. The green colour produced by dissolved Cr(VI) is removed by the GR phases, but is unaffected by ZVI.

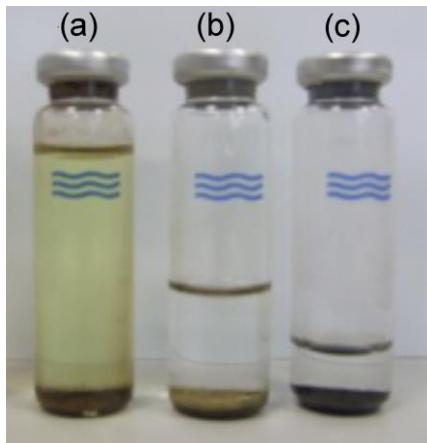


Table S1. Summary of experimental conditions.

Material	pH	Chromate concentration ($\mu\text{mols L}^{-1}$)	Reaction volume (L)	Mass of solid (g)
Granular ZVI	7.65	100	0.0200	0.20
	9.02	100	0.0200	0.20
	12.11	100	0.0200	0.20
	12.17	100	0.0200	0.20
GR-CO ₃	10.98	1000	0.0116	0.12
	12.31	1000	0.0128	0.13
	12.45	1000	0.0063	0.06
GR-Zn-CO ₃	10.49	1000	0.0119	0.19
	12.29	1000	0.0074	0.07
	12.19	1000	0.0091	0.09