

TABLE 1. GROUPED LEAD PHASES

Phase Grouping	Phase	Phase Description
Galena	Galena	PbS
Cerussite	Cerussite	PbCO ₃
Mn(M)Oxide	Mn-Pb Oxide	Lead sorbed to the surface of manganese oxide-containing particles in soil
Lead Oxide	Fe-Pb Oxide (including Fe-Pb Silicate)	Iron oxide with sorbed Pb
	Zn-Pb Silicate	a smelter waste with Zn-Pb in a silicate matrix
Lead Phosphate	Lead Phosphate	a group of minerals with many compositions, but all contain P and Pb
Anglesite	Anglesite	PbSO ₄
Pb(M)Oxide	As(M)O	Arsenic metal (Sb, Pb, Cu,Cd,Zn) oxide
	Lead Silicate	PbSiO ₄
	Lead Vanadate	PbV ₂ O ₆
	Pb(M)O	Lead metal (Sb, As, Cu,Cd,Zn) oxide
	Pb-As Oxide	PbAsO
Fe(M) Sulfate	Fe-Pb Sulfate	generally a smelter waste product
	Sulfosalts	a group of minerals sulfides with Cu,As,Sb,and Pb
Minor Constituents	Calcite	calcite (CaCO ₃) with substituted Pb
	Clay	common soil minerals with sorbed Pb
	Lead Barite	BaSO ₄ with substituted Pb
	Lead Organic	Organic debris with sorbed Pb
	Native Lead	metallic lead
	PbO-Cerussite	smelter waste with fine mixture of PbO and PbCO ₃
	Slag	smelter waste product

(M) = Metal