

Atomic Absorption Analyses of Minor Elements in Carbonates
(values in ppm; replicate determinations shown individually)

Analyst: Robert R. Loucks

	Mg _{.4315}	Mn _{.751}	Zn _{.2552}	Ca _{.4359}	Fe	C	O
Siderite	2625	5820	2080	3115	-	-	-
HMI 96217	2580		2020				

St Just, Cornwall Assuming MCO_3 stoichiometry, this corresponds to
 $(Fe_{.963} Mg_{.0123} Mn_{.0122} Ca_{.0089} Zn_{.0036})CO_3$, with
 $Fe = 46.625$ wt%; $C = 10.413$ wt%; $O = 41.610$ wt%
 $(\Sigma = 100.000$ wt%) 38.16

	Mg	Mn	Zn _{.0022}	Ca _{.3722}	Fe _{.0383}	C	O
Rhodochrosite	1700.2 ⁸¹⁹	-	17	2660	299	-	-
HM 117108	1700		18		296		

Pasto Bueno,
Peru

Assuming MCO_3 stoichiometry, this corresponds to
 $(Mn_{.9838} Mg_{.0080} Ca_{.0076} Fe_{.0006} Zn_{.00003})CO_3$, with
 $Mn = 60.90$
 $Mn = 47.166$ wt%; $C = 10.482$ wt%; $O = 41.886$ wt%
 $(\Sigma = 100.001$ wt%) 38.41

	Mg _{.0021}	Mn _{.0006}	Zn _{.0019}	Ca	Fe _{.0023}	C	O
Calcite	12.5	45	15	-	17	-	-
HMI 97189		55	17		19		
		52					

Iceland
(Garrels, 1960)

Assuming MCO_3 stoichiometry, this corresponds to
 $Ca \approx 40.03$ wt%, $C = 12.00$ wt%; $O \approx 47.95$ wt%
56.01 43.97