Table 3. Experimental partitioning results compared to Twannberg results.

Weighted average\* Calculated\*\* Twannberg\*\*\*

Element D (schreibersite)/(P-rich melt) D (schreibersite)/(solid metal) D (schreibersite)/(solid metal)

P 1.25 ± 0.11 10.07 (1.12, 0.91) 64 ± 19

Ni 0.83 ± 0.03 0.94 (0.02, 0.02) 3.3 ± 0.4

V 1.15 ± 0.12 — —

Co 0.91 ± 0.06 0.67 (0.20, 0.12) 0.32 ± 0.03

Cu 0.24 ± 0.02 0.16 (0.06, 0.04) —

Zn 0.13 ± 0.07 — —

Ga 0.07 ± 0.01 0.011 (0.006, 0.003) 0.06 ± 0.01

Ge 0.100 ± 0.009 0.019 (0.005, 0.004) —

As 0.11 ± 0.02 0.09 (0.02, 0.01) 0.12 ± 0.03

Mo 0.74 ± 0.04 3.14 (0.94, 0.66) 6.71 ± 0.98

Ru 0.94 ± 0.07 0.50 (0.21, 0.13) 1.91 ± 0.55

Rh 0.65 ± 0.05 0.46 (0.14, 0.09) 0.96 ± 0.22

Pd 0.19 ± 0.02 0.23 (0.06, 0.04) 1.60 ± 0.60

Ag 0.015 ± 0.005 0.13 (0.10, 0.03) —

W 1.11 ± 0.07 0.83 (0.34, 0.22) 0.74 ± 0.27

Re 1.16 ± 0.10 0.10 (0.05, 0.030) 0.12 ± 0.09

Os 0.94 ± 0.11 0.033 (0.027, 0.012) 0.017 ± 0.007

Ir 0.50 ± 0.04 0.20 (0.009, 0.005) 0.007 ± 0.004

Pt 0.20 ± 0.02 0.012 (0.006, 0.003) 0.009 ± 0.006

Au 0.011 ± 0.003 0.006 (0.001, 0.001) 0.02 ± 0.01

\* Weighted average calculated from experiments LB19, R1P1, R5P4, R2P8, and R2P9, with ±2σ errors.

\*\* Calculated using the weighted average from the first column and the solid metal/P-rich melt parametrizations of Chabot et al. (2017). Listed with ±2σ errors (-2σ error, +2σ error) derived from uncertainties from both the weighted average in the first column and the uncertainties of the published Chabot et al. (2017) parameterizations.

\*\*\* Twannberg errors are ±1σ.