

## **Supplementary Information**

### **Method validation for (ultra)-trace element concentrations in urine for small sample volumes in large epidemiological studies: application to the population-based epidemiological Multi-Ethnic Study of Atherosclerosis (MESA)**

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Table S1. Standard concentrations for the A) 9-point calibration and 5-point calibration

A)

Elements	Standard concentrations ( $\mu\text{g/L}$ )								
	1	2	3	4	5	6	7	8	9
Cd, Gd, Pb, U	0.2	0.15	0.1	0.05	0.02	0.015	0.01	0.005	0.002
Co, Mn, Tl, W	0.5	0.375	0.25	0.125	0.05	0.0375	0.025	0.0125	0.005
Ba, Cs	1	0.75	0.5	0.25	0.1	0.075	0.05	0.025	0.01
As, Ni	3	2.25	1.5	0.75	0.3	0.225	0.15	0.075	0.03
Cu	5	3.75	2.5	1.25	0.5	0.375	0.25	0.125	0.05
Mo, Se, Sr	10	7.5	5	2.5	1	0.75	0.5	0.25	0.1
Zn	100	75	50	25	10	7.5	5	2.5	1

B)

Elements	Standard concentrations ( $\mu\text{g/L}$ )				
	1	2	3	4	5
Cd, Co, Cs, Mn, Sb, W, U	0.2	0.1	0.05	0.02	0.01
Ba, Ni, Pb, Tl,	1	0.5	0.25	0.1	0.05
As, Cu, Se, Sr	5	2.5	1.25	0.5	0.25
Mo	10	5	2.5	1	0.5
Zn	20	10	5	2	1

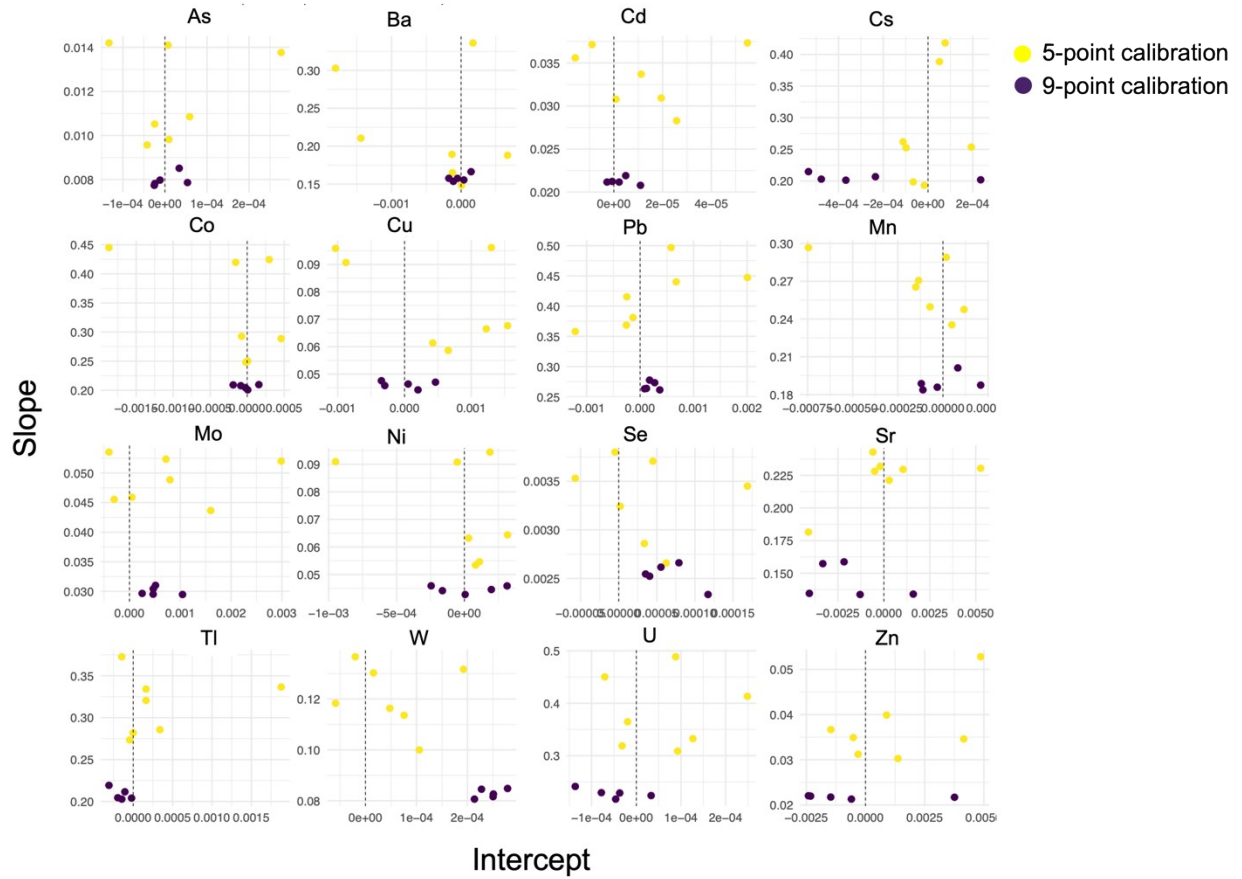


Figure S1: Intercept vs slope for each calibration regression of the 5-point calibrations (yellow) and the 9-point calibrations (purple)