Additional file 6: Table S1. Metal concentrations from ICP-MS for crop plants: pepper leaf (*C. annuum*, cultivar ‘Kozy Roh’) and soybean roots (*G. max*, cultivar ‘Galina’). Data for the pepper were collected from leaves of the same age and the same plants as the leaves used for the µXRF studies, though not the same leaves. Root data were obtained from a pooled, homogenized sample of four plants. The values represent averages ± SE.

| Plant            | Mn [mg kg⁻¹] | Fe [mg kg⁻¹] | Ni [mg kg⁻¹] | Cu [mg kg⁻¹] | Zn [mg kg⁻¹] |
|------------------|--------------|--------------|--------------|--------------|--------------|
| Pepper leaf      | 357 ± 16     | 155 ± 5      | 3.5 ± 0.1    | 12.0 ± 0.8   | 330 ± 27.    |
| Soybean root     | 12 ± 5       | 29 ± 2       | 23 ± 5       | 6 ± 1        | 48 ± 10      |