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Assessment of groundwater and soil quality for agricultural purposes in Kopruoren Basin, Kutahya, Turkey

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Highlights:

1. Groundwater resources is suitable for irrigation but they are very hard in nature.
2. Arsenic concentrations in soil samples exceed the MAC set for agricultural soils.
3. Water chemistry is affected by water-rock interaction and anthropogenic pollution.
4. Soil chemistry is impacted by soil parent material and anthropogenic pollution.
5. Nickel is enriched in all of the agricultural soil samples.