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Mobile Phones - an asset or a liability: a study based on characterization and assessment of metals in waste mobile phone components using leaching tests

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HIGHLIGHTS

- Study presents results of metal leaching from different components of mobile phones
- TCLP, WET and SPLP tests were applied, WET deduced to be the most aggressive test
- PWBs leachates show highest metal concentration compared to plastics and batteries
- RDA explains 34.66% variability, mobile part and protocol act as major contributors

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