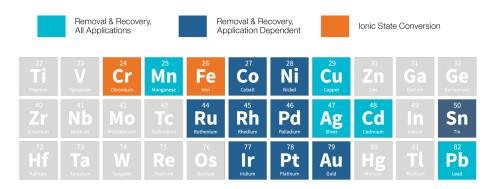


## **Alpha** Discharge Compliance

ElectraMet Alpha Systems provide unrivaled process assurance for discharge compliance. Alpha Systems reliably and efficiently remove metal ions from industrial wastewater to enable worry-free attainment of discharge regulations while also recovering the metal ions as metal for recycling revenue and on-site recovery enables Scope 4 carbon emission credits due to mining avoidance.

Intelligent design eliminates failure modes inherent to traditional technology like chemical precipitation and ion exchange while also eliminating environmental impacts of hauling and disposal. Risks like missed feed adjustments or residual breakthrough due to load variation are also avoided. ElectraMet's automation and data management tool, ElectraLink®, analyzes data and provides actionable insights via integration to your building management system.

## **Metals Extraction & Recovery**



Parameter	Specifications
Power	120 - 480 VAC, 1 - 3 Phase
Pressure	2 - 45 psig
Automation	Fully automated with manual metal retrieval
Operation	Flow control
Data Monitoring	Digital or Analog Capability
Integration	Agnostic to SCADA/BMS systems
System Flow Rate	0.1 gallons/minute to 1,600 gallons/minute
Removal: Cu <sup>2+</sup> , Ag <sup>+</sup>	~200 g/L removed to <0.03 mg/L
Removal: Others	~10 g/L removed to <1.0 mg/L
Water Recovery	100%
Waste Generation	None
Selectivity	up to 100% pending feed characteristics

