

Supplementary material file SB: Elemental composition of steel wire sludge using X-ray diffraction analysis

Solar drying of sludge from a steel wire drawing industry

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Table S4. Elemental composition of steel wire sludge using X-ray diffraction analysis

Essay	Unit	Date	LQ	Reference Methodology	Result	ABNT NBR No. 10.004	U
Total Aluminum	mg/L	06/02/21	0.1	SMEWW - 3111	< 0.1	0.2	N.A.
total cadmium	mg/L	06/02/21	0.001	SMEWW - 3111	< 0.001	0.005	N.A.
total lead	mg/L	05/28/21	0.01	SMEWW - 3111	< 0.01	0.01	N.A.
total cyanide	mg/L	05/27/21	0.01	SMEWW -4500-CN-E	< 0.01	0.07	N.A.
Chloride	mg/L	05/26/21	0.5	SMEWW -4500-Cl	3750.08	250	99.377
Copper	mg/L	05/28/21	0.05	SMEWW - 3111	< 0.05	2.0	N.A.
Total Chrome	mg/L	06/08/21	0.05	SMEWW - 3111	< 0.05	0.05	-

Iron	mg/L	06/08/21	0.05	SMEWW - 3111	< 0.05	0.3	N.A.
total fluoride	mg/L	05/25/21	1.0	SMEWW - 4500F-C	< 1,00	1,5	N.A.
phenol index	mg/L	06/18/21	0,.003	SMEWW - 5530 C	< 0.003	0.01	N.A.
Manganese	mg/L	06/04/21	0.05	SMEWW - 3111	< 0.05	0.1	N.A.
total mercury	mg/L	06/03/21	0.000 2	SMEWW - 3112	< 0,0002	0,001	N.A.
Nitrate	mgN/L	05/21/21	0.05	SMEWW - 4500-NO3-E	0.18	10	0.017
pH	-	05/21/21	0.1	SMEWW - 4500H+B	8.1	-	0.03
full silver	mg/L	05/25/21	0.05	SMEWW - 3111	< 0.050	0.05	N.A.
Sodium	mg/L	06/01/21	0.05	SMEWW - 3111	28.60	200	2.031
total sulfate	mg/L	06/21/21	1.0	SMEWW - 4500-SO42-E	8037.70	250	433.232
Surfactants	mg/L	05/21/21	0.1	SMEWW - 5540 C	< 0.10	0.5	N.A.
total zinc	mg/L	06/04/21	0.05	SMEWW - 3111	< 0.05	5	N.A.