

Metal	Sorbent	Sorbent Weight (mg)	Volume of solution (mL)	Volume of sample (mL)	Total volume (mL)	Dilution factor (-)	Measured Concentration (mg/L)	Actual concentration (mg/L)	Absolute concentration (mg)	Mass per unit mass of sorbent (g/kg)
Ca	WA	24.5	50	0.5	5	10.0000	8.5029	85.0290	4.2515	173.53
Ca	WAS	25.6	50	0.5	5	10.0000	10.7394	107.3940	5.3697	209.75
Ca	WA	24.5	50	5	5	1.0000	87.1714	87.1714	4.3586	177.90
Ca	WAS	25.6	50	5	5	1.0000	110.0713	110.0713	5.5036	214.98
K	WA	24.5	50	0.5	5	10.0000	1.3109	13.1090	0.6555	26.75
K	WAS	25.6	50	0.5	5	10.0000	0.6175	6.1750	0.3088	12.06
K	WA	24.5	50	5	5	1.0000	14.4912	14.4912	0.7246	29.57
K	WAS	25.6	50	5	5	1.0000	6.9154	6.9154	0.3458	13.51
Mg	WA	24.5	50	0.5	5	10.0000	0.2333	2.3330	0.1167	4.76
Mg	WAS	25.6	50	0.5	5	10.0000	0.2799	2.7990	0.1400	5.47
Mg	WA	24.5	50	5	5	1.0000	2.2021	2.2021	0.1101	4.49
Mg	WAS	25.6	50	5	5	1.0000	2.6098	2.6098	0.1305	5.10
Na	WA	24.5	50	0.5	5	10.0000	1.5021	15.0210	0.7511	30.66
Na	WAS	25.6	50	0.5	5	10.0000	0.8771	8.7710	0.4386	17.13
Na	WA	24.5	50	5	5	1.0000	15.7663	15.7663	0.7883	32.18
Na	WAS	25.6	50	5	5	1.0000	9.7352	9.7352	0.4868	19.01
P	WA	24.5	50	0.5	5	10.0000	2.7389	27.3890	1.3695	55.90
P	WAS	25.6	50	0.5	5	10.0000	3.6416	36.4160	1.8208	71.13
P	WA	24.5	50	5	5	1.0000	23.3966	23.3966	1.1698	47.75
P	WAS	25.6	50	5	5	1.0000	31.7259	31.7259	1.5863	61.96
Si	WA	24.5	50	0.5	5	10.0000	2.0630	20.6300	1.0315	42.10
Si	WAS	25.6	50	0.5	5	10.0000	2.3067	23.0670	1.1534	45.05
Si	WA	24.5	50	5	5	1.0000	18.6533	18.6533	0.9327	38.07
Si	WAS	25.6	50	5	5	1.0000	20.6861	20.6861	1.0343	40.40

SI 1 – concentrations of alkali and alkaline earths, phosphorus and silicates for larch biochar mixed cold with wood ash (WA) and sintered with wood ash (WAS)