

Table S1. LOQ and blanks from bag filters analysis values in $\mu\text{g}/\text{cm}^2$. **N.D.** Non Detected.

Elements	Limits of Quantitation (LOQ) ($\mu\text{g}/\text{cm}^2$)	PK720 (Bag House Furnace)	PK820 Bag House (Sanitary Bag House)
		Blank ($\mu\text{g}/\text{cm}^2$)	Blank ($\mu\text{g}/\text{cm}^2$)
Ag	0.230	N.D.	N.D.
Al	0.520	N.D.	0.61
Bi	0.330	N.D.	N.D.
Ca	0.290	0.55	0.4
Co	0.300	N.D.	N.D.
Cr	0.290	N.D.	N.D.
Cu	0.340	N.D.	0.38
Fe	0.400	6.63	8.11
Ga	0.370	0.45	0.55
K	0.430	0.53	3.6
Mg	0.620	N.D.	N.D.
Mn	0.420	N.D.	N.D.
Na	0.630	6.61	6.81
Ni	0.350	0.82	0.57
Pb	0.240	N.D.	1.27
Sr	0.310	N.D.	N.D.
Tl	0.260	N.D.	N.D.
Zn	0.330	N.D.	N.D.

Table S2. LOQ in ppm from heavy metal concentrations in the dust from Gravity Settlers and from Bag houses. **N.D.** Non Detected.

Elements	Limits of Quantitation (LOQ) (ppm)
Al	2200
Ca	1400
Fe	760
Mg	990
P	72
K	480
Si	7400
Na	1400
S	<0.0001
Ti	140
AS	9.8
Cd	4.1
Cr	5.7
Cu	16
Pb	360
Mn	22
V	5.6
Zn	81
Ba	9.1
Ce	14
Co	3.3

Ga	<0.0001
La	5.5
Mo	<0.0001
Nd	0.29
Ni	5.4
Rb	6.7
Sc	1.8
Sr	3.4
Th	9.7
U	0.58
Sb	2.8
Hg	2.8
Br	<0.0001
Cs	3.8
Bi	<0.0001
Sm	-
W	3.3
Zr	<0.0001
Cl	<0.0001
