

Table 1
Summary Table: Airborne Sample Results of Health Related Elements by Generic Category of Abrasive
Note: Unless otherwise noted, all Minimum, Maximum, and Geometric Mean Values are in micrograms per cubic meter

Generic Abrasive	Number of Samples	Arsenic	Beryllium	Cadmium	Chromium	Lead	Manganese	Nickel	Respirable Quartz (mg/m ³)	Silver	Titanium	Vanadium	
CS	4	7.182 - 10.54 8.588 4	0.86 - 5.87 3.334 4	0.275 - 1.032 0.496 4	62.37 - 162.4 111.369 4	9.93 - 12.04 11.332 4	633.7 - 903.2 746.851 4	36.6 - 101.5 70.559 4	0.12 - 0.25 0.148 1	0.84 - 0.9 0.861 0	1011 - 2933 1786.259 4	45.16 - 171.5 106.305 4	
N	4	2.099 - 6.114 4.306 4	0.08 - 0.23 0.150 4	0.231 - 0.569 0.344 4	1931 - 5435 3513.072 4	5.04 - 8.38 6.880 4	881.6 - 2264 1575.632 4	483 - 1540 948.446 4	0.12 - 0.125 0.123 0	0.74 - 0.905 0.842 0	90.26 - 217.4 150.787 4	23.09 - 58.88 39.562 4	
S	4	0.615 - 1.446 1.229 2	0.33 - 0.8 0.577 4	0.205 - 0.307 0.248 4	54.26 - 98.18 74.084 4	31.3 - 57.86 42.818 4	480 - 818.2 638.728 4	12.3 - 42.96 23.944 4	1.01 - 5.03 2.306 4	0.82 - 0.835 0.825 0	4591 - 5166 4891.980 4	18.78 - 28.93 24.884 4	<--- Range Min. - Max. Values
SS	4	0.645 - 11.28 4.225 3	0.108 - 4.83 0.792 3	0.065 - 0.316 0.185 4	5.375 - 94.53 36.082 3	1.075 - 14.21 6.052 3	64.52 - 947.5 383.573 4	10.8 - 46.21 28.326 4	9.91 - 50.52 27.959 4	0.84 - 0.9 0.861 0	103.2 - 2731 749.579 4	4.3 - 109.2 32.622 4	<--- Geometric Mean
SSDS	4	4.196 - 7.937 6.190 4	0.042 - 0.14 0.094 3	0.105 - 0.511 0.216 4	14.69 - 46.81 33.523 4	4.62 - 11.24 8.563 4	102.8 - 325.6 226.562 4	5.25 - 23.55 14.580 3	9.18 - 28.2 19.104 4	0.82 - 2.04 1.045 1	15.74 - 38.82 27.788 4	2.04 - 4.71 3.010 4	<--- Samples > Limit of Detection
CP	4	10.92 - 33.13 21.817 4	0.38 - 1.24 0.766 4	0.119 - 3.73 0.448 4	39.7 - 101.5 73.668 4	3.18 - 10.14 6.785 4	1092 - 3313 2181.686 4	15.9 - 47.62 33.394 4	0.12 - 0.124 0.123 0	0.8 - 0.835 0.824 0	635.2 - 2070 1289.302 4	39.7 - 122.2 77.157 4	
G	4	5.605 - 11.89 9.292 4	0.39 - 0.64 0.505 4	0.685 - 1.507 1.105 4	56.05 - 131.6 94.373 4	5.19 - 11.67 8.558 4	5813 - 13585 9486.913 4	5.19 - 29.72 16.376 3	0.87 - 7.28 2.600 4	0.82 - 0.85 0.835 0	228.4 - 339.6 284.261 4	14.53 - 25.47 20.372 4	
SG	4	6.834 - 185.8 22.654 4	0.041 - 0.042 0.041 0	0.084 - 12.25 0.426 4	310.6 - 8576 1025.304 4	1.92 - 24.5 7.137 4	1595 - 38798 4942.877 4	130 - 4697 523.563 4	0.12 - 0.123 0.123 0	0.82 - 0.835 0.827 0	6.26 - 81.68 21.701 4	19.05 - 490.1 59.158 4	

Table 3

Summary Table: Bulk Sample Results of Health Related Elements by Generic Category of Abrasive

Note: Unless noted, all concentrations in micrograms per gram

Abrasive	Arsenic	Beryllium	Cadmium	Chromium	Lead	Manganese	Nickel	Quartz (%)	Silver	Titanium	Vanadium	
CS	0.45 0	0.11 1	0.03 1	1 0	0.35 0	2.8 1	1 0	0.4 0	0.15 0	33 1	1.8 1	
N	0.45 0	0.04 1	0.01 0	350 1	0.35 0	130 1	400 1	0.4 0	0.15 0	12 1	2.9 1	
S	0.45 0	0.005 0	0.01 0	1 0	2.5 1	5.3 1	1 0	1.6 1	0.4 1	97 1	0.9 1	
SS	0.45 0	0.05 1	0.03 1	3 1	0.35 0	110 1	1 0	51 1	0.15 0	67 1	6.9 1	
SSDS	0.45 0	0.005 0	0.01 0	1 0	0.35 0	0.17 1	1 0	71 1	0.15 0	3.4 1	0.15 0	<---- Values <---- Samples > LOD
CP	24 1	0.9 1	0.03 1	33 1	3.2 1	1600 1	19 1	0.4 0	1 1	790 1	58 1	Limit of Detection
G	0.45 0	0.02 1	0.05 1	3 1	0.35 0	170 1	1 0	1.9 1	0.15 0	7.9 1	0.7 1	
SG	48 1	0.005 0	0.01 0	1300 1	4.7 1	7000 1	680 1	0.4 0	1.5 0	7.5 1	67 1	