

Summary of Surface Soil Arsenic Concentrations

Maximum Arsenic Concentrations Per Sampled Property South Minneapolis Soil Contamination Site

Temporal Period ¹	Land Use ²	N	Mean (mg/kg) ³	Maximum (mg/kg) ⁴	N (0-10 mg/kg)*	N (10-20 mg/kg)*	N (20-30 mg/kg)*	N (30-50 mg/kg)*	N (50-95 mg/kg)*	N (>95 mg/kg)*
Pre-1963 (N = 2,903)	Non-Residential	39	6.6	24.1	34 (1.2%)	4 (0.1%)	1 (0.03%)	-	-	-
	Residential	2864	30.7	2880.0	1957 (67.4%)	258 (8.9%)	115 (4.0%)	167 (5.8%)	173 (6.0%)	194 (6.7%)
	Vacant	-	-	-	-	-	-	-	-	-
Post-1963 (N = 482)	Non-Residential	24	5.1	13.0	23 (4.8%)	1 (0.2%)	-	-	-	-
	Residential	434	5.9	70.0	395 (82.0%)	28 (5.8%)	8 (1.7%)	1 (0.2%)	2 (0.4%)	-
	Vacant	24	26.1	268.6	20 (4.2%)	1 (0.2%)	-	-	1 (0.2%)	2 (0.4%)
Other (N = 190)	Non-Residential	3	7.7	15.0	2 (1.1%)	1 (0.5%)	-	-	-	-
	Residential	8	11.6	33.9	6 (3.2%)	-	1 (0.5%)	1 (0.5%)	-	-
	Vacant	179	8.7	140.0	156 (82.1%)	12 (6.3%)	2 (1.1%)	7 (3.7%)	1 (0.5%)	1 (0.5%)
TOTAL (N = 3575)	Non-Residential	66	6.1	24.1	59 (1.6%)	6 (0.2%)	1 (0.03%)	-	-	-
	Residential	3306	27.4	2880.0	2358 (70.0%)	286 (8.0%)	124 (3.5%)	169 (4.7%)	175 (4.9%)	194 (5.4%)
	Vacant	203	10.2	268.6	176 (4.9%)	13 (0.4%)	2 (0.1%)	7 (0.2%)	2 (0.1%)	3 (0.1%)

¹ Temporal Periods are defined by the year the property was constructed. Properties without a construction date present in the database are assigned 'other'.

² Land Use is defined by the land-use description in the database and is summarized as non-residential (commercial, industrial, miscellaneous properties), residential apartments, condominiums, duplexes, single family homes, and townhomes), and vacant lots (commercial, industrial, and residential vacant lots).

³ The mean is presented as the average of all maximum arsenic concentrations within a particular land-use category.

⁴ The maximum is presented as the maximum of all maximum arsenic concentrations analyzed within a particular land-use category.

* Percent of observations within that concentration range (in parentheses). Determined as the number of observations relative to the total number of observations within that Temporal Period.