



Appendix C: Suggested number of samples per building foundation size

Building foundation area sub-surface and/or slab on grade (ft ²)	Suggested minimum number of sub-slab samples ¹
Up to 500	1
501 to 1,000	2
1,001 – 2,500	3
2,501 – 5,000	4
5,001 – 10,000	5
10,001 – 20,000	6
20,001 – 30,000	8
30,001 – 40,000	10
40,001 – 50,000	12
50,001 – 60,000	14
60,001 – 70,000	16
70,001 – 80,000	18
80,001 – 90,000	20
90,001 – 100,000	22
>100,000	22 + add 2 samples for every additional 10,000 square feet above 100,000

Notes:

- Includes sub-slab samples within an existing building and soil-gas samples within a proposed building footprint
 Building conditions that may affect the total number of sub-slab samples necessary to determine if mitigation is necessary include:
 - If the sub-surface or at-grade slab is divided by a footing or foundation structure, a minimum of one sub-slab sample is necessary on both sides of the slab divider.
 - If a building addition is present, a sub-slab sample(s) should be collected from both the original building floor slab and from the new addition floor slab