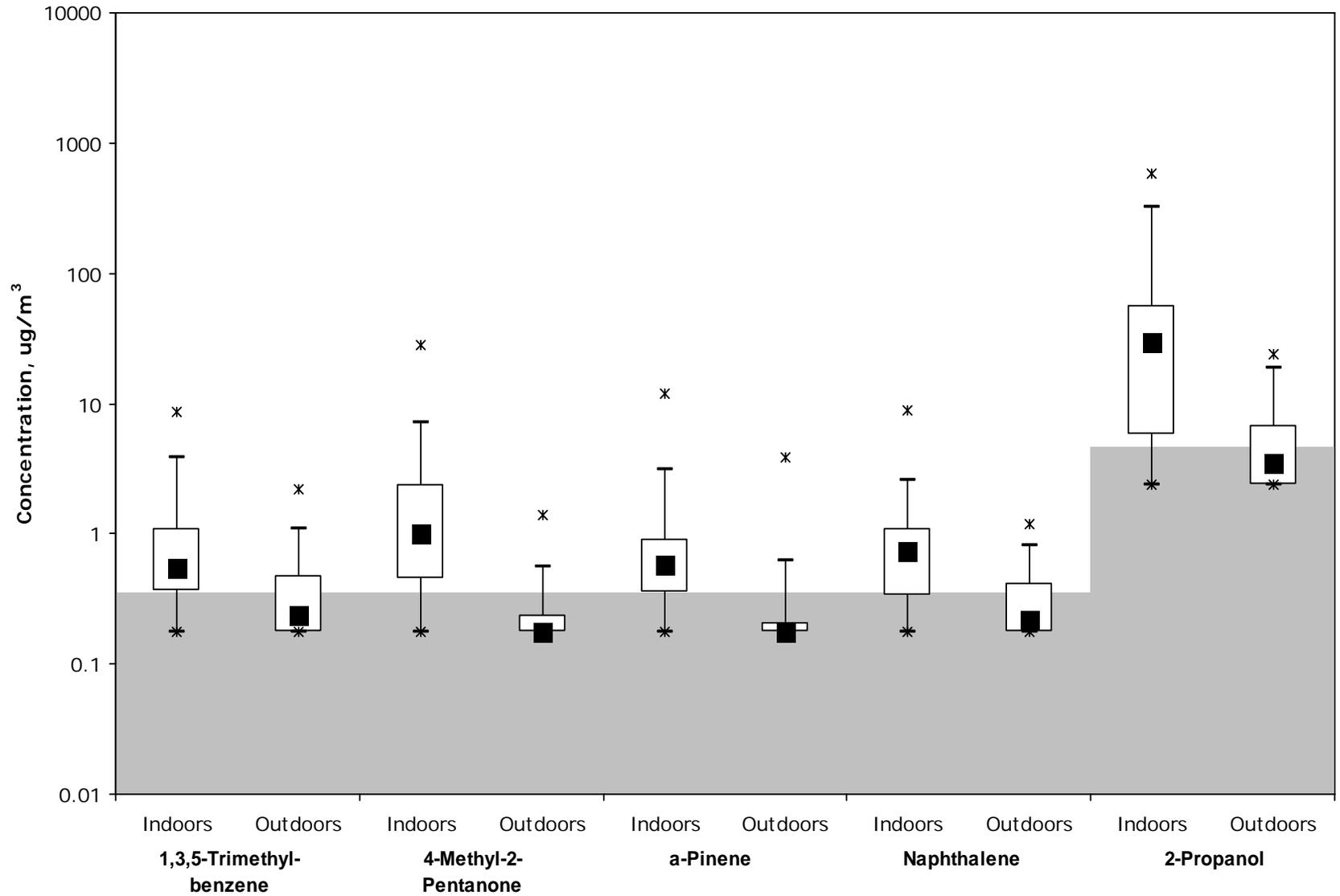


Figure 8: Distribution of BASE VOC Concentrations at All Sampling Sites



Note: The shaded region represents concentrations below the study's median limit of quantitation (LOQ) for the given analyte.

Analyte	CAS#	Number of Sites ⁶	Site Frequency Detected (%) ⁵	Location	Percentile ⁴						Arithmetic Mean ³
					5th	25th	50th ²	75th	95th	100th	
1,3,5-Trimethylbenzene	108-67-8	209	84	Indoors	< LOQ	0.36	0.54	1.1	3.9	8.6	1.0
1,3,5-Trimethylbenzene	108-67-8	69	56	Outdoors	< LOQ	< LOQ	0.24	0.48	1.1	2.2	0.41
4-Methyl-2-Pentanone	108-10-1	208	84	Indoors	< LOQ	0.45	1.0	2.4	7.2	28	2.2
4-Methyl-2-Pentanone	108-10-1	69	33	Outdoors	< LOQ	< LOQ	< LOQ	0.24	0.56	1.4	0.26
a-Pinene	80-56-8	209	84	Indoors	< LOQ	0.35	0.57	0.9	3.1	12	0.94
a-Pinene	80-56-8	69	25	Outdoors	< LOQ	< LOQ	< LOQ	0.21	0.63	3.9	0.30
2-Propanol	67-63-0	39	76	Indoors	< LOQ	5.7	30	56	320	580	73
2-Propanol	67-63-0	13	42	Outdoors	< LOQ	< LOQ	3.5	6.7	19	24	6.4

Notes:

1. Analytes listed in order of site frequency detected indoors (%).
2. Median - the 50th percentile, the value where half the results are less than this value and half are above this value.
3. Arithmetic Mean - To compute these statistics, all values less than the LOQ were assigned values of 1/2 the median LOQ prior to computation. The limit of quantitation (LOQ) for the given analyte and analytical method varied from sample to sample therefore a single value was used so that the comparison of two results that were both less than the LOQ would have no difference.
4. Percentile - the value which a given percentage of values in a data set are less than or equal to. For example, the 75th percentile of concentrations is the concentration which 75% of the values are less than or equal to.
5. Site Frequency Detected (%) - The percentage of sample sites where the given analyte was detected for the specified sample method. For sites that had a duplicate sample, if one result was less than the LOQ and one was greater than the LOQ, for the purpose of computation, the site was counted as 0.5 detected.
6. Generally, there were three sampling sites indoors, and one sampling outdoors site for each building.