

Internal Review Draft

**Table 13. Residential Units that are More Heavily Contaminated (Lower Sum of Ranks)
Required More Cleaning Events to Achieve the Clearance Criteria**

Unit Number	Observable Dust	Cleaning Test	Times Cleaned	Sum of Ranks	Numeric Grouping	Mid-point Grouping	Equal Number Grouping
5C	significant	3A,3A,3B	3	13	2.7	2.2	2.7
5A	minimal	3B,3B	2	18			
3C	significant	1A,1A,3B	3	18			
3D	significant	1A,1A	2	20	1.6		1.7
4D	significant	2A,2A	2	22			
4C	significant	1A	1	23			1.5
2B	minimal	3A	1	24			
2A	minimal	1B,1B	2	26			
5D	significant	3B	1	34	1.3	1.7	
3B	minimal	Scope A	2	34			
3A	minimal	2B	1	35			
4A	minimal	2A,2A	2	45	N/A		

Using the rankings presented in Table 13, a semi-quantitative evaluation was made to determine if there was a difference in the number of cleaning events needed to met the clearance criteria based on the measured concentrations of pre-cleaning contamination. The average number of cleaning events required to meet the clearance criteria was calculated using several different groupings of the sum of ranks. The first set of calculations used numeric breakpoints of 10-19, 20-29, 30-39, and >40. This grouping indicates a decreasing trend in the average number of cleaning events required. The second set of groupings used the mid-point 23.5. This grouping also indicates a decreasing trend in the average number of cleaning events required. The third grouping used divide the data into equal number of units. Although this grouping suggests a decreasing trend for most of the groupings, the decrease trend did not continue for the last set of data. Overall, it appears that there may be a decreasing trend in the average number of cleaning events required to met the clearance criteria based upon the degree of pre-cleaning contamination.

Cleaning Equipment Description

- 1A Basic w/o AFD
- 2A Intermediate w/HEPA w/o AFD
- 3A Advanced w/o AFD
- 1B Basic w/AFD
- 2B Intermediate w/HEPA w/AFD
- 3B Advanced w/AFD

N/A = not applicable