**Table 1. *Bacillus anthracis* Sterne Spore Recoveries from Sterilized Agvise Loam with Five Wash Procedure**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sample** | **1** | **2** | **3** |  | **Average** | **Standard Deviation (SD)** | **% SD** | **Time Elapsed** |
| **Washes** | **Recovery** | **Recovery** | **Recovery** |  | **Recovery** | **(Hours)** |
| **1** | 23.8% | 29.1% | 16.6% |  | 23.2% | 6.3% | 27% | 0.75 |
| **2** | 8.9% | 3.9% | 3.0% |  | 5.3% | 3.2% | 60% | 1.5 |
| **3** | 4.0% | 1.2% | 1.5% |  | 2.3% | 1.6% | 69% | 2.25 |
| **4** | 1.9% | 0.9% | 0.9% |  | 1.2% | 0.5% | 45% | 3 |
| **5** | 1.0% | 0.4% | 0.5% |  | 0.6% | 0.3% | 56% | 3.75 |
| **Total** |  |  |  |  |  |  |  |  |
| **Recovery** | 39.6% | 35.5% | 22.5% |  | 32.5% | 9.0% | 28% |  |

Metadata:

Sample Washes: Five washes of the pellet were evaluated instead of just the single wash. Experiments were run in triplicate and samples were spiked on the same day. Each wash consisted of three minutes of shaking with a solution of 1% Tween 80 and 2% sodium HMP. Less solution is used for resuspension when doing multiple washes (~3 mL vs. 5 mL). 13,635 BaS spores were added per 45 gram sample. The initial wash used 100 μL sample for spread plating and subsequent washes used 200 μL of sample.

1-3 Recovery: Recovery for each wash of each of three replicates reported as percent recovery.

Average Recovery: Average recovery (reported in percent recovery) of the 3 replicates for each wash

Standard Deviation: Standard deviation of the 3 replicates for each wash

% SD: Percent Standard Deviation: Percent standard deviation of the 3 replicates for each wash

Time Elapsed: the amount of time it took to process each wash

Total Recovery: The sum of the percent recoveries over 5 washes for the replicate