

TECHNICAL NOTE MODEL 7 FILTER APPLICATION

A Smith Analytical client was having issues with small particles in their instrument air, installed a Model 7 Non-Bypass filter on the air supply going to the Siemens Maxum II gas chromatograph. The small particles were causing various issues for the analyzer. The filter was installed and in operation for approximately six months. It was recently removed and taken apart to see what the filter had collected during its time in service. Below are photos of the filter and being disassembled. The assumption is these particles are desiccant or pipe scale from the air plant air dryer system. Note the filter installed is the Model 7 Non-Bypass PVC housing design. PN M7-NB-PVC.

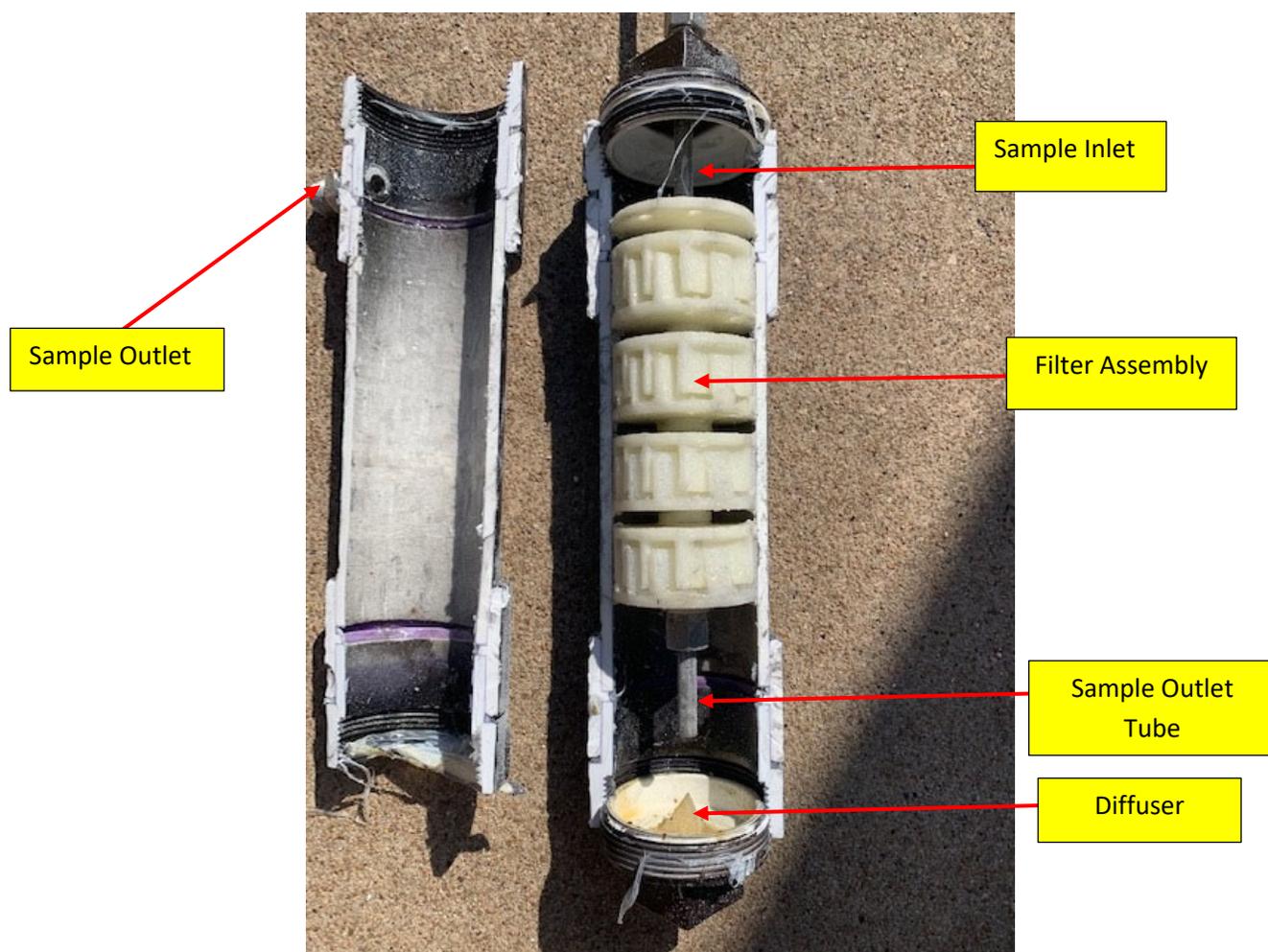


FIGURE 1- MODEL 7 FILTER ASSEMBLY

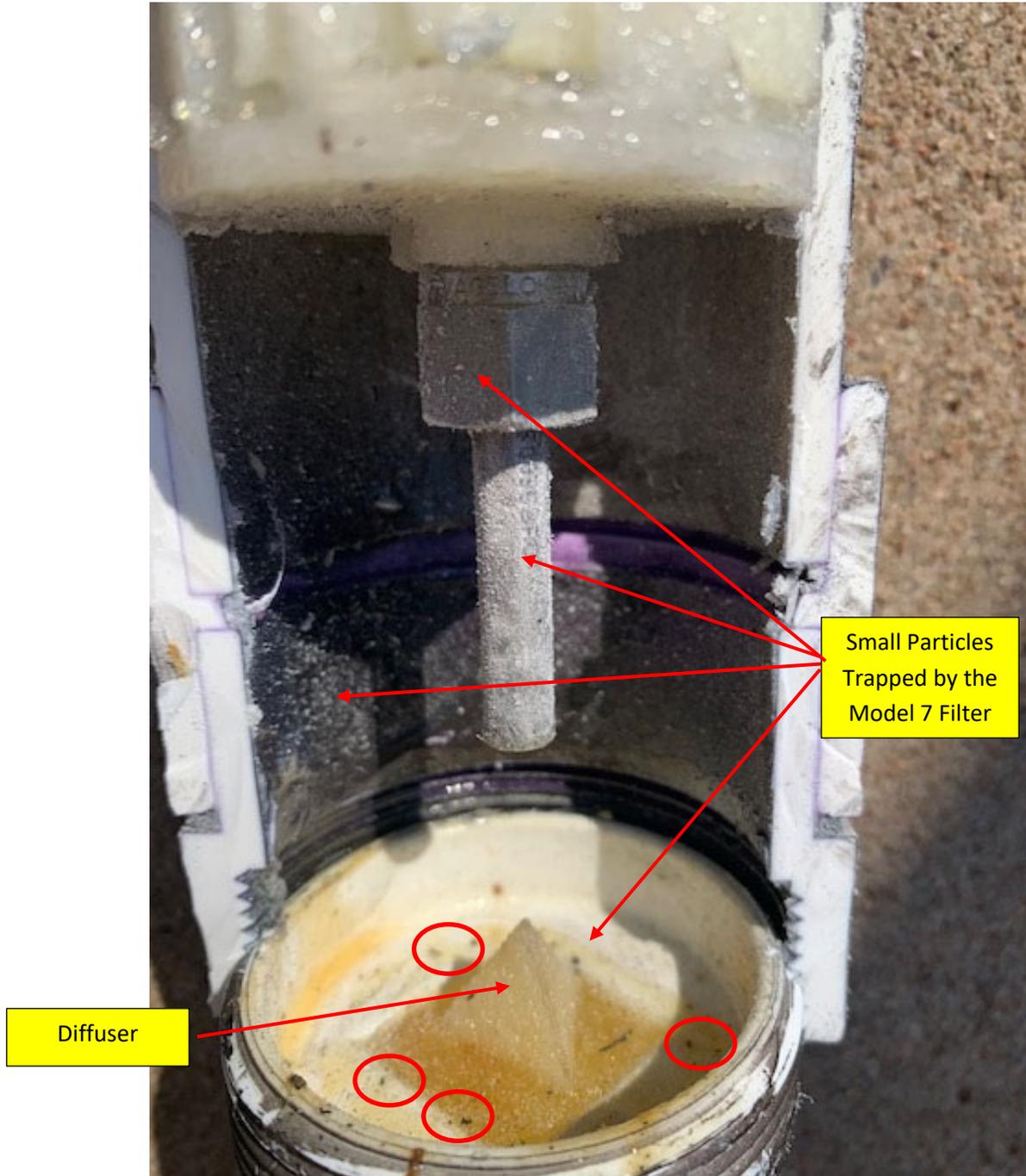


FIGURE 2- MODEL 7 FILTER ASSEMBLY

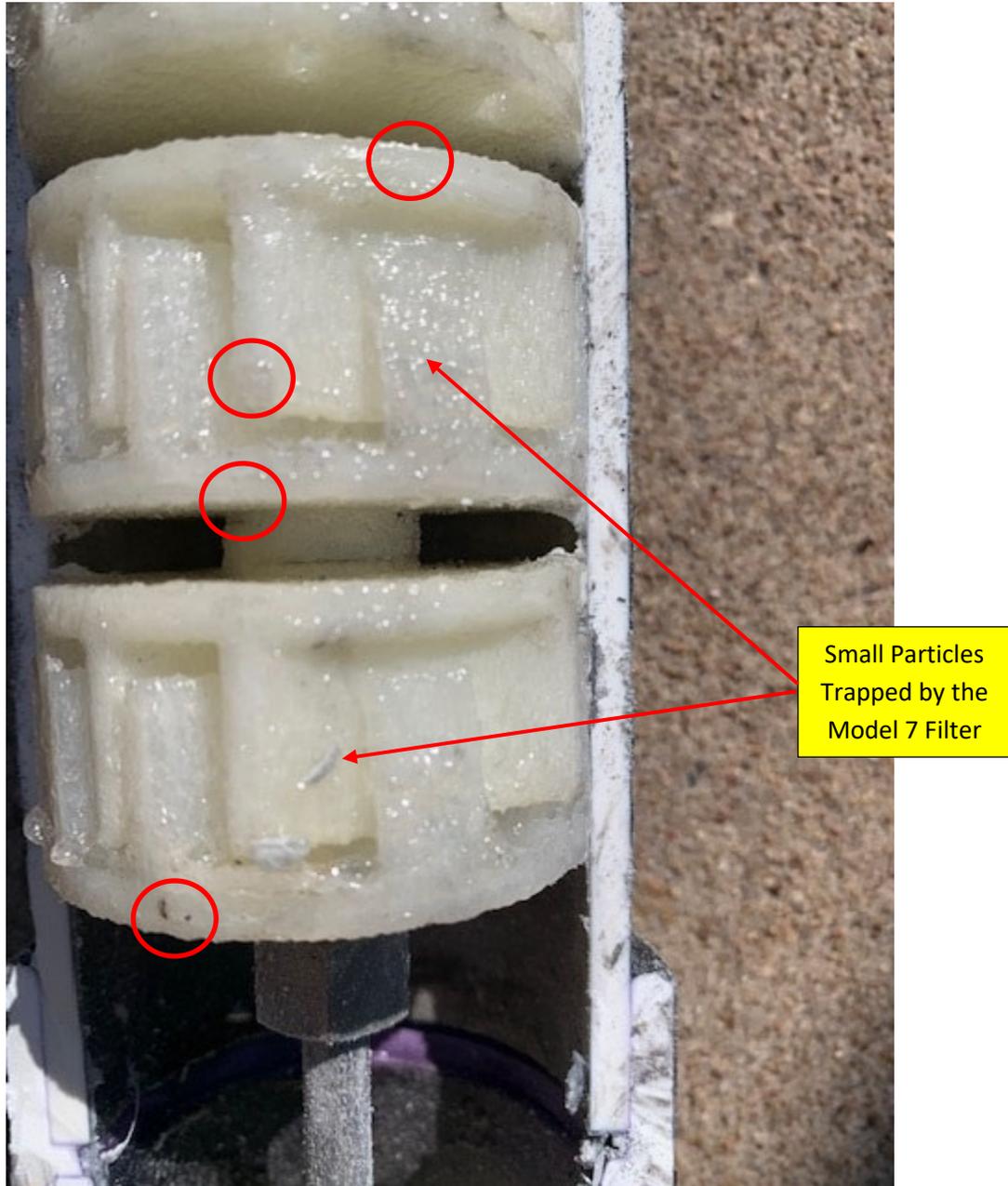


FIGURE 3- MODEL 7 FILTER DISC ASSEMBLY

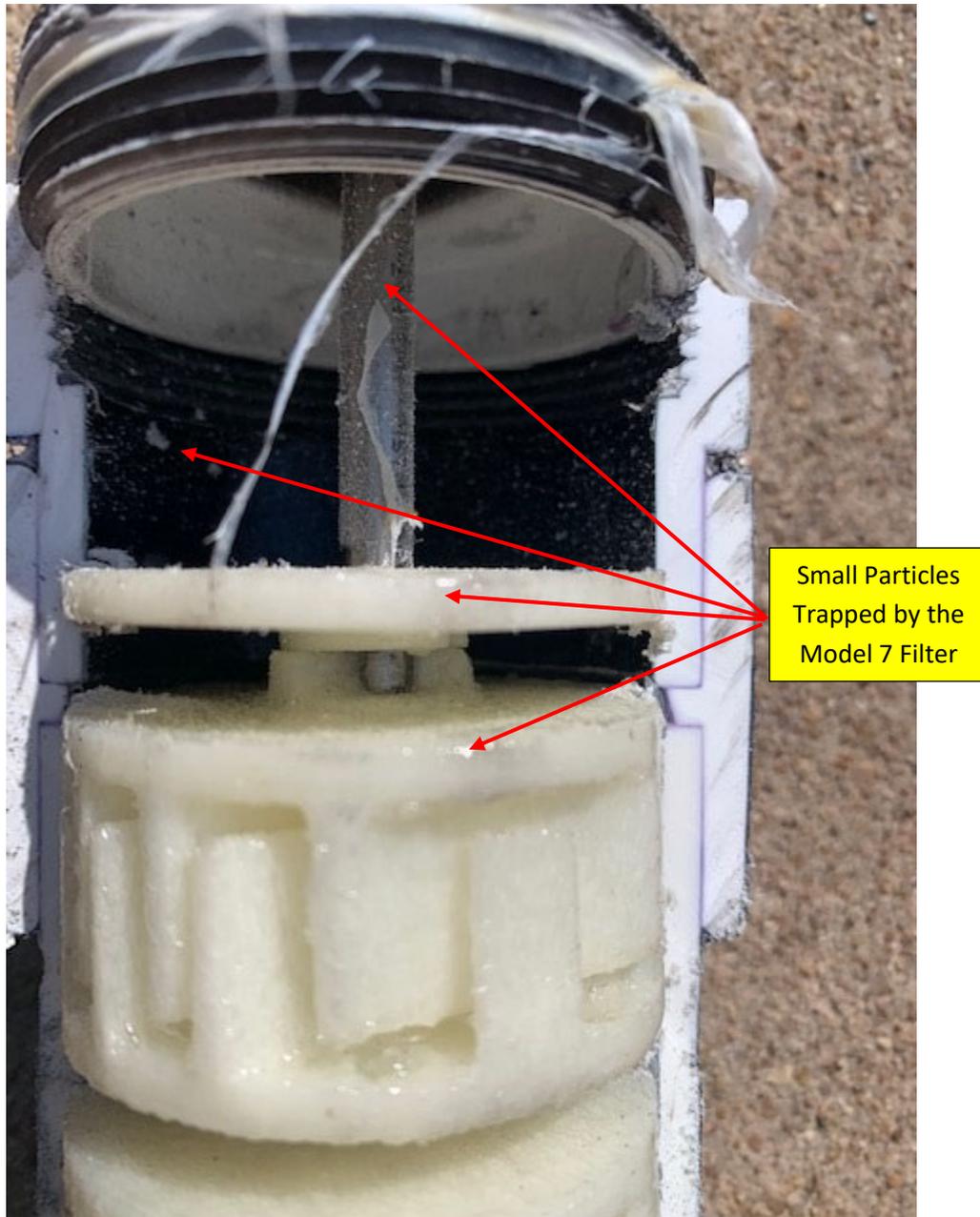


FIGURE 4- MODEL 7 FILTER DISC ASSEMBLY

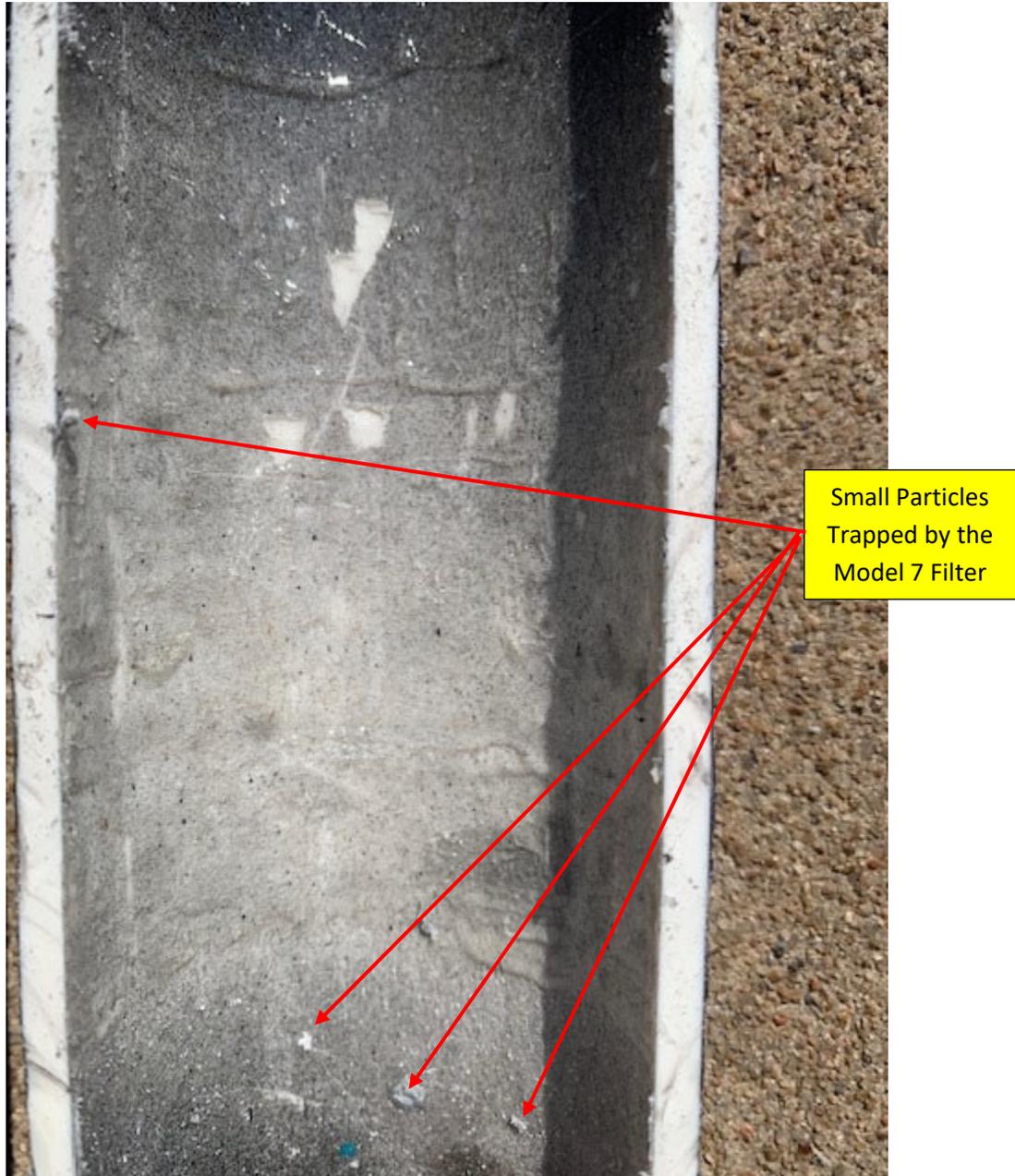


FIGURE 5 -MODEL 7 FILTER HOUSING INTERIOR WALL