

Total Suspended Solids (TSS) Checklist

	Sample Storage and Pretreatment	Y	N	Notes
1	Are TSS samples stored at < 4 °C until analyzed?			
2	Are samples analyzed within the hold time of 7 days?			

	Equipment	Y	N	Notes
1	Are glass fiber filter disks (without organic binder) approved brands or other products that give equivalent results?			
2	Does the lab have an analytical balance capable of weighing to 0.1 mg?			
3	Has the accuracy of the analytical balance been checked?			
4	Is a suitable desiccator with color indicating desiccant used?			
5	Is the drying oven maintaining 103 - 105 °C?			

	General Procedural Observations	Y	N	Notes
1	Is the fiber filter disk rinsed with three 20mL portions of reagent-grade water prior to drying?			
2	Is the filter dried at 103-105°C for at least an hour, cooled in desiccator, and then weighed?			
3	Is the filter re-dried and re-weighed until weight change is less than 4% of the previous weight, or 0.5 mg, whichever is less?			
4	Is sample well stirred using a magnetic stirrer prior to analysis?			
5	Is sample size appropriate to yield between 2.0 and 200 mg of residue?			
6	Is the sample filtered and then washed with at least three 10mL portions of reagent-grade water?			
7	Are very large particles removed from the sample if it is deemed that they are not representative?			
8	Is the filter with sample dried at 103-105°C for at least an hour, cooled in desiccator and then weighed?			
9	Is sample re-dried and re-weighed until residue weight change is < 4% of the previous weight, or 0.5 mg, whichever is less?			
10	Is MQ blank analyzed?			
11	Is duplicate sample analyzed?			
12	Are calculations of suspended solids done correctly?			
13	Have sampling bottles been cleaned and replaced in field kit?			
14	Has laboratory glassware been cleaned for next analysis cycle?			

