

Facility Name _____

Mixed Liquor Data

SVI – SM 2710 D.

Settled Sludge Volume – SM 2710 C.

Sample/Analysis Date _____

DO – SM 4500-O G.

DO Meter Calibration

Time	Analyst	NA – Meter Autocal	Barometric Pressure - mm Hg	Temperature °C	Meter Adjusted to mm	Meter Adjusted to mg/L

Dissolved Oxygen

Sample ID	Analyst	Sample Time	*Preserved	**Analysis Time	DO (mg/L)	Temperature °C

* - Sulfamic acid – copper sulfate added if not analyzed by portable DO meter

** - NA if analyzed by portable DO Meter

Settled Sludge Volume

Sample ID	Analyst	Sample Volume (mL)	Time Set	Time Read	30 minute Solids Level (mL)	% Settleable Solids	*TSS mg/L	SVI

Sample ID _____ Solids Level (mL) at _____ 5 _____ 10 _____ 15 _____ 20 _____ 25 minutes

Sample ID _____ Solids Level (mL) at _____ 5 _____ 10 _____ 15 _____ 20 _____ 25 minutes

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Sample ID _____ Solids Level (mL) at _____ 5 _____ 10 _____ 15 _____ 20 _____ 25 minutes

% Settleable Solids at 30 minutes = [(Solids Level (mL) at 30 minutes/Sample Volume (mL))] x 100

* - Result from TSS bench sheet

$$SVI = \frac{[(30 \text{ minute Solids Level})(1000/\text{Sample Volume})]}{TSS \text{ (mg/L)}} \times 1000$$

Microscope Evaluation: _____
