



Colilert Quantitray 2000 – Sediment

To be filled out at time of collection:

Site Name: _____

Date: ____/____/____
MM / DD / YY

Time: _____
(military)

To be filled out by laboratory analyst:

Analyzed by (initials): _____

Time in 35°C: _____

Colilert lot number: _____

Time out of incubator: _____

Quantitray lot number: _____

Read by: _____

Date buffer (used in sediment processing) prepared: _____

Method notes:

ALWAYS USE STERILE DISTILLED OR DEIONIZED WATER WHEN MAKING DILUTIONS – NOT BUFFER WATER!

Dry weight:

A Empty dish weight (g)	B Dish + sediment (g)	C Dish + sediment after drying (g)	Calculated dry weight*

*Calculated dry weight = (C-A) / (B-A)

Well counts:

[*E. coli* positive well: fluorescence under UV light; total coliform positive well: yellow under ambient light]

Dilution (circle one):

Undilute

1:10

1:100

Positive result	Large well count	Small well count	MPN/100 mL*
Total Coliforms (yellow)			
<i>E. coli</i> (fluorescence)			

*Results are pulled from MPN table

Total Coliforms = _____ MPN/g_{DW}

$$\text{MPN/g}_{\text{dw}} = \frac{\text{MPN}}{100 \text{ mL}} \times \frac{10.5 \text{ mL}}{\text{g}} \times \frac{1}{\text{dry weight}}$$

E. coli = _____ MPN/g_{DW}

COMMENTS: