

Date Analysis Began: 7/6/2017

7/7/2017

LIMS Report Date: 7/12/17

Pipette tips: TM3-9N2/1001
Pipette ID : T2CG/ T2BU

RUN LOG FOR
SM 9230 C
Enterococci by Membrane Filtration
CFU/100mL

(Analysts): Begun by: JM Read by: JM
LIMS Report by: *jm*
HBN | Batch # | Released: P13019012
Incubator ID: T1AC Manifold ID: T1K
Temp In: 41.0 Temp out: 41.0
Incubator Acceptance: 41.0 +/- 0.5 DegC; 24+/- 2 hrs.

#28257 *10/11/17*

Filter Paper ID: TM3-13L4
Media ID: TM3-10T5
Water ID: PBD17617

Filter	Lab ID AEL Sample Number	Client Sample ID	Matrix **	Sample Volume(mL)	Dilution Factor	Time Start Filtration	Time in Incubator	Time out Incubator	Enterococci Count	Colonies per 100mL	Cl ₂ Check	Comments & Qualifiers	Bottle Lot #s
1	PRE		DI	100	1X	15:04	15:25	13:25	<1	<1	U		
2	T1711431001	FDEP Entero	WW	0.5	200	15:04	15:25	13:25	<1	<1	U	400@ 100X B	CLIENT
3				1	100	15:04	15:25	13:25	4	400	U		CLIENT
1				10	10	15:04	15:25	13:25	156	1560	U		CLIENT
2	T1711431002	FDEP Entero	WW	0.5	200	15:04	15:25	13:25	3	600	U	150@ 10XB	CLIENT
3				1	100	15:04	15:25	13:25	3	300	U		CLIENT
1				10	10	15:04	15:25	13:25	15	150	U	4200@ 10XB	CLIENT
2	T1711431003	FDEP Entero	WW	0.5	200	15:04	15:25	13:25	25	5000	U	4200@ 67X	CLIENT
3				1	100	15:04	15:25	13:25	38	3800	U	4400@	CLIENT
1				10	10	15:04	15:25	13:25	CG	CG	U	135X	CLIENT
2	T1711431004	FDEP Entero	WW	0.5	200	15:04	15:25	13:25	3	600	U	700@ 100X B	CLIENT
3				1	100	15:04	15:25	13:25	7	700	U		CLIENT
1				10	10	15:04	15:25	13:25	92	920	U		CLIENT
2	T1711431005	FDEP Entero	WW	0.5	200	15:04	15:25	13:25	10	2000	U	2000@ 200XB	CLIENT
3				1	100	15:04	15:25	13:25	9	900	U		CLIENT
1				10	10	15:04	15:25	13:25	112	1120	U		CLIENT
2													
3													
1													
2													
3													
1													
2													
3													

jm 7/12/17

** WW=Wastewater, GW=Ground water, SW=Surface water, DW=Drinking water
B = Blank; 100ml of Buffer H2O for QC verification of any carry-over
PRE = 100ml Blank sample filtered prior to each run
POST = 100ml Blank sample filtered after each run
MID-[no.] = 100ml Blank sample filtered after 10 usages of each filter holder
U = Undetected, when used for Cl₂; <0.2mg/L
DUP = Duplication of a sample for QC accuracy calculations
EF = Enterococci faecalis

Pre/Post Blank Criteria: <1 col/100mL
TNTC = Too numerous to count; [total colonies exceeds 200]
CG = Confluent growth; [colonies not distinct]
! : Denotes 'identical to entry above'; [i.e., ditto]
Note: If present, describe and enter non-coliform colony counts in comments column

• If a concentration yields a Count that falls within the optimum range, it will be the only result reported and no qualifier will be needed. Dilution Factor should be entered into LIMS.
• If two concentrations yield counts that fall within the optimum range, then those results are entered into the formula and the final result is qualified with an "A". The dilution factor will be "1".
• If no results fall within the optimum range, then all the results are used in the calculation (unless one or two results are over 200). The result gets a "B" qualifier and the dilution factor is "1".
• If there are zero counts on all plates, then zero will be reported with the least amount of dilution being reported. This will receive a "B" qualifier unless the dilution is a x1.
• If all results are above 200 the results are reported at the greatest dilution factor. The result is entered as the volume used with a "Z" qualifier.

When using 3 dilutions and no reading falls within optimum range of 20-80 colonies (20-60 for 9230C) then results calculated as (an+bn+cn) / (y) = cfu/100mL
Where: an, bn, cn are the calculated colony counts at each dilution with total dilutions of y