Wetlands Research Laboratory
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Laboratory Report by Analysis Date from 11/7/2023 to 11/7/2023
Report Approved by Jeremy Bosso, Lab Manager: 12/13/2023

Laboratory Report for:
Client Florida Department of Environmental Protection
Project FDEP
Address 160 Governmental Center Suite 308

Lab ID #	Bottle	Field ID	Sampling Date	Sampling Time	Receipt Date	Receipt Time	Sample Matrix	Sampler	Analyte	Result	Unit	Data Qualifier(s)	Dilution Factor	CALC MDL	LOQ	Analysis Date	Analysis Time	Method
23- 52144	A	FL0023981-EFF-01 Navarre Beach WWTP	11/7/2023	9:25	11/7/2023	11:39	Waste Water	CA	Escherichia coli (QT)	10	MPN/100 mL	U	10	10	10	11/7/2023	13:30	9223B (Colilert®-18 QT®)
23- 52144	A	FL0023981-EFF-01 Navarre Beach WWTP	11/7/2023	9:25	11/7/2023	11:39	Waste Water	CA	Fecal Coliforms	10	MPN/100 mL	U	10	10	10	11/7/2023	14:30	Colilert®-18 (FC)
23- 52149	A	FL0023981-Control Navarre Beach WWTP	11/7/2023	9:15	11/7/2023	13:32	Surface Water	NM	Enterococcus (QT)	10	MPN/100 mL	U	10	10	10	11/7/2023	14:05	Enterolert (QT)
23- 52149	A	FL0023981-Control Navarre Beach WWTP	11/7/2023	9:15	11/7/2023	13:32	Surface Water	NM	Fecal Coliforms	10	MPN/100 mL	UJ6	10	10	10	11/7/2023	14:30	Colilert®-18 (FC)
23- 52150	A	FL0023981-Test 1 Navarre Beach WWTP	11/7/2023	9:45	11/7/2023	13:32	Surface Water	NM	Enterococcus (QT)	10	MPN/100 mL	U	10	10	10	11/7/2023	14:05	Enterolert (QT)
23- 52150	A	FL0023981-Test 1 Navarre Beach WWTP	11/7/2023	9:45	11/7/2023	13:32	Surface Water	NM	Fecal Coliforms	10	MPN/100 mL	UJ6	10	10	10	11/7/2023	14:30	Colilert®-18 (FC)
23- 52151	A	FL0023981-Test 2 Navarre Beach WWTP	11/7/2023	10:00	11/7/2023	13:32	Surface Water	NM	Enterococcus (QT)	10	MPN/100 mL	U	10	10	10	11/7/2023	14:05	Enterolert (QT)
23- 52151	A	FL0023981-Test 2 Navarre Beach WWTP	11/7/2023	10:00	11/7/2023	13:32	Surface Water	NM	Fecal Coliforms	10	MPN/100 mL	UJ6	10	10	10	11/7/2023	14:30	Colilert®-18 (FC)

See attachment A for Data Qualifier Codes: Symbols and Meaning

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Comments: The sampling plan is the responsibility of the client and not of the laboratory.
These results relate only to these samples as submitted to the laboratory.
This *REVISED* report has been generated to reflect post-analysis and post-reporting amendments, such as the amendment of the matrix and data qualifiers for samples 23- 52149, 23- 52150 and 23- 52151.
Due to a client/sampler scheduling error, samples 23- 52149, 23- 52150 and 23- 52151 were originally requested by client/sampler to be analyzed by Colilert-18/Quanti-Tray for Fecal Coliforms as "waste water" samples. The samples were actually surface waters (Marine Waters), which is a matrix that is *not* approved for Colilert-18/Quanti-Tray analysis for Fecal Coliforms. Therefore, the results have been reported in this revised report for informational purposes only, but with a "J6" qualifier to note that the results are not TNI/NELAC accredited. The client/sampler was informed, prior to sample receipt and at sample receipt/analysis time, that the Colilert-18/Quanti-Tray method is only approved for Fecal Coliforms in waste water samples.
The results reported herein meet the requirements of the NELAC standards as adopted by the reference into chapter 64E-1, Florida Administrative Code, except whereas analyses performed without TNI/NELAC accreditation would be flagged with a "J6" data qualifier.
Times are reported in Central Time
Data Reported on a wet-weight basis
Subcontract information: not applicable
For questions or concerns regarding this report, please contact the Laboratory Manager, Jeremy Bosso at (850) 857-6096

Attachment A: Data Qualifier Codes: Symbol and meaning

A - Value reported is the arithmetic mean (average) of two or more determinations.
B - Based on colony counts outside the method specified range.
C - See case narrative (comments)
D - Measurement was made in the field using approved analytical methods. Used except where code specifies a field measurement (e.g., "Field pH").
H - Value based on field kit determination; results may not be accurate. Field screening test not recognized by FDEP as equivalent to laboratory methods.
I - The reported value is ≥ the Limit of Detection, but less than the Practical Quantitation Limit (Limit of Quantitation), and has less certainty
G - Analyte detected in blank other than the method blank (i.e. Field Blank, Trip Blank, Equipment Blank) at or above the Limit of Detection ***and*** > 10% the concentration in the sample.
J1 - Value is qualified by failed analytical quality control check standard (i.e. CCV, IPC, QCS, LCS)
J2 - Value is qualified by failed sample matrix quality control sample (i.e. duplicate, matrix spike)
J3 - Analyte detected in blank ***other than the method blank*** (i.e. calibration blank) at or above the Limit of Detection ***and*** > 10% the concentration in the sample.
J4 - Value is qualified due to improper laboratory practice.
J5 - Value is qualified due to improper field procedure.
J6 - Analysis was performed without NELAC accreditation.
J7 - All Quanti-Tray wells were positive. Result may be higher than reported.
K - Off-scale low. Actual value is less than the value given.
L - Off-scale high. Actual value is known to be greater than the value given.
M - Presence of material is verified but not quantified; the actual value is less than the value given. The reported value Limit of Quantitation.
N - Presumptive evidence of presence of material (i.e. identified based on mass spectral library search; presence not confirmed by alternative procedures).
O - Sample taken but analysis lost, invalidated, or not performed.
Q - Sample held beyond method-specified holding time.
U - Compound was analyzed for but not detected.
V - Analyte detected in method blank at or above the Limit of Detection ***and*** > 10% the concentration in the sample. The 10% criterion does not apply to blank results for microbiological tests.
Verified - This sample result was verified.
Y - The laboratory analysis was from a sample preserved by an alternative, non-standard preservation procedure. Hold-time has not been assessed for this preservation procedure. The data may not be accurate.
Z - Colonies on plate too numerous to count. Result = (>60 CFU/lowest volume used x 100 mL).
? - Data are rejected and should not be used.