

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAP STANDARDS

Submission Number : 23111030

F D E P/S W D
13051 N Telecom Pkwy.
Tampa, FL 33637

Project Name : RQ-2023-11-06-45

Date Received : 11/20/2023

Time Received : 14:09

Erica Peck

Submission Number: 23111030 Sample Date: 11/20/2023
Sample Number: 001 Sample Time: 09:15
Sample Description: G2SW0162 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	1296	#/100 ML	10	10	SM9223B	11/20/2023 16:12	11/21/2023 16:23	NK

Submission Number: 23111030 Sample Date: 11/20/2023
Sample Number: 002 Sample Time: 09:55
Sample Description: G1SW0138 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	279	#/100 ML	10	10	SM9223B	11/20/2023 16:12	11/21/2023 16:23	NK

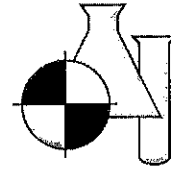
Submission Number: 23111030 Sample Date: 11/20/2023
Sample Number: 003 Sample Time: 10:10
Sample Description: G1SW0129 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	31	#/100 ML	10	10	SM9223B	11/20/2023 16:12	11/21/2023 16:23	NK

Submission Number: 23111030 Sample Date: 11/20/2023
Sample Number: 004 Sample Time: 10:30
Sample Description: G1SW0119 Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	1376	#/100 ML	10	10	SM9223B	11/20/2023 16:12	11/21/2023 16:23	NK

BENCHMARK



EnviroAnalytical, Inc.

NBLAP Certification #E84167

Submission Number: 23111030
Sample Number: 005
Sample Description: G1SW0092

Sample Date: 11/20/2023
Sample Time: 11:00
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
ENTEROCOCCI	10 U	#/100 ML	10	10	ENTEROLERT	11/20/2023 14:52	11/21/2023 16:12	NK

Submission Number: 23111030
Sample Number: 006
Sample Description: G1SW0139

Sample Date: 11/20/2023
Sample Time: 11:20
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
ENTEROCOCCI	10 U	#/100 ML	10	10	ENTEROLERT	11/20/2023 14:52	11/21/2023 16:12	NK
E- COLI BY IDEXX QUANTITRAY	109	#/100 ML	10	10	SM9223B	11/20/2023 16:12	11/21/2023 16:23	NK

Submission Number: 23111030
Sample Number: 007
Sample Description: G2SW0138

Sample Date: 11/20/2023
Sample Time: 12:20
Sample Method: Grab

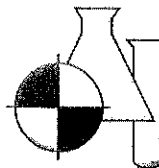
Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
ENTEROCOCCI	959	#/100 ML	10	10	ENTEROLERT	11/20/2023 14:52	11/20/2023 16:12	NK

Submission Number: 23111030
Sample Number: 008
Sample Description: G1SW0140

Sample Date: 11/20/2023
Sample Time: 13:20
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Preparation Date/Time	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	75	#/100 ML	10	10	SM9223B	11/20/2023 16:12	11/21/2023 16:23	NK

BENCHMARK



EnviroAnalytical, Inc.

NELAP Certification #E84167

Haley Rin

11/28/2023

Dr. Dale D. Dixon

Laboratory Director

Date

Haley Richardson

QC Manager / Leah Lepore

QC Officer

DATA QUALIFIERS THAT MAY APPLY:

A = Value reported is an average of two or more determinations.
B = Results based upon colony counts outside the ideal range.
H = Value based on field kit determination. Results may not be accurate.
I = Reported value is between the laboratory MDL and the PQL.
J1 = Estimated value. Surrogate recovery limits exceeded.
J2 = Estimated value. No quality control criteria exists for component.
J3 = Estimated value. Quality control criteria for precision or accuracy not met.
J4 = Estimated value. Sample matrix interference suspected.
J5 = Estimated value. Data questionable due to improper lab or field protocols.
K = Off-scale low. Value is known to be < the value reported.
L = Off-scale high. Value is known to be > the value reported.
N = Presumptive evidence of presence of material.
O = Sampled, but analysis lost or not performed.

NOTES:

MBAS calculated as LAS; molecular weight = 340.

PQL = 4xMDL.

ND = Not detected at or above the adjusted reporting limit.

X = Value exceeds MCL.

G1 = Accuracy standard does not meet method control limits, but does meet lab control limits that are in agreement with USEPA generated data. USEPA letter available upon request.

Q = Sample held beyond accepted hold time.

T = Value reported is < MDL. Reported for informational purposes only and shall not be used in statistical analysis.

U = Analyte analyzed but not detected at the value indicated.

V = Analyte detected in sample and method blank. Results for this analyte in associated samples may be biased high. Standard, Duplicate and Spike values are within control limits. Reported data are usable.

Y = Analysis performed on an improperly preserved sample. Data may be inaccurate.

Z = Too many colonies were present (TNTC). The numeric value represents the filtration volume.

! = Data deviate from historically established concentration ranges.

? = Data rejected and should not be used. Some or all of QC data were outside criteria, and the presence or absence of the analyte cannot be determined from the data.

* = Not reported due to interference.

Oil & Grease - If client does not send sufficient sample quantity for spike evaluation surface water samples are supplied by the laboratory.

COMMENTS:

1 (10 mL) dilution on each Enterococci and E. coli sample.

For questions or comments regarding these results, please contact us at (941) 723-9986.

Results relate only to the samples.

Benchmark EnviroAnalytical, Inc
1711 12th Street East
Palmetto, FL 34221
941-723-9986
941-723-6061 Fax

Client Information: FDEP

Address: 13051 N. Telecom Parkway

Tampa FL 33604

Phone # 815-470-5878

PO# **C1EFCB**

Report to: benjamin.paswater@dep.state.fl.us
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow

Project Name: RQ-2023- 11-06-245

Laboratory Submission #

2311030

Sample Name	Sample Type / Sample Matrix ²	Collection		Container		Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity			
G2SW0162	SW	11/20/23	9:15	1	250mL	P	E. Coli	1.
G1SW0138	SW	11/20/23	9:55	1	250mL	P	E. Coli	2.
G1SW0129	SW	11/20/23	10:10	1	250mL	P	E. Coli	3.
G1SW0119	SW	11/20/23	10:30	1	250mL	P	E. Coli	4.
G1SW0092	SW	11/20/23	11:00	1	250mL	P	Enteroto	5.
G2SW0139	SW	11/20/23	11:20	2	250mL	P	E. coli + Enteroto	6.
G2SW0138	SW	11/20/23	12:20	1	250mL	P	Enteroto	7.

¹ "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).

² "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SEDMCT), or sludge (SLDG).

³ "Container Type" is used to indicate whether the container is plastic (P) or glass (G).

⁴ "Preservative" is used to indicate whether the sample was preserved with acid, formalin, or other preservative. If any preservatives that were added to the sample container.

⁵ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

⁶ "E. coli" is used to indicate whether the sample was tested for E. coli.

⁷ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

⁸ "E. coli + Enteroto" is used to indicate whether the sample was tested for E. coli and enterotoxins.

⁹ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

¹⁰ "E. coli" is used to indicate whether the sample was tested for E. coli.

¹¹ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

¹² "E. coli + Enteroto" is used to indicate whether the sample was tested for E. coli and enterotoxins.

¹³ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

¹⁴ "E. coli" is used to indicate whether the sample was tested for E. coli.

¹⁵ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

¹⁶ "E. coli + Enteroto" is used to indicate whether the sample was tested for E. coli and enterotoxins.

¹⁷ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

¹⁸ "E. coli" is used to indicate whether the sample was tested for E. coli.

¹⁹ "Enteroto" is used to indicate whether the sample was tested for enterotoxins.

²⁰ "E. coli + Enteroto" is used to indicate whether the sample was tested for E. coli and enterotoxins.

Laboratory Sample Acceptability:

Temperature: 39°C

1	Collected / Relinquished By: Hannah Henning	Date: 11/20/23	Time: 14:10	Received By: [Signature]	Date: 11/20/23	Time: 14:05
	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Benchmark EnviroAnalytical, Inc
1711 12th Street East
Palmetto, FL 34221
941-723-9986
941-723-6061 Fax

Client Information: FDEP

Address: 13051 N. Telecom Parkway
Tampa FL 33604
Phone # 815-470-5878

PO# C1EFCB

Report to: benjamin.paswater@dep.state.fl.us
DEP-Overflomicro@dep.state.fl.us

Invoice to: FDEP Micro Overflow

Project Name: RQ-2023- 11-06-45

Laboratory Submission # 2311020

Sample Name	Sample Type ¹ / Sample Matrix ²	Collection		Container		Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity			
G71SW0140	SW	11/20/2023	13:20	1	250mL	P	Plain (on Ice) E.coli	8
	SW				250mL	P	Plain (on Ice)	
	SW				250mL	P	Plain (on Ice)	
	SW				250mL	P	Plain (on Ice)	
	SW				250mL	P	Plain (on Ice)	
	SW				250mL	P	Plain (on Ice)	
	SW				250mL	P	Plain (on Ice)	
	SW				250mL	P	Plain (on Ice)	

1. "Sample Type" is used to indicate whether the sample was a grab (G) or whether it was a composite (C).
2. "Sample Matrix" is used to indicate whether the sample is being discharged to drinking water (DW), groundwater (GW), surface water (SW), fresh surface water (FSW), saline surface water (SSW), soil, sediment (SDACT), or sludge (SLDG).
3. "Container Type" is used to indicate whether the container is plastic (P) or glass (G).
4. "Preservative" is used to indicate whether the sample was preserved or not. If preserved, the preservative used must be listed. If not preserved, the sample must be stored at 4°C or below during storage. Should be less than or equal to 6°C (42°F).
Under "Preservative," list any preservatives that were added to the sample container.

Instructions:
1. Each bottle has a label identifying sample ID, premeasured preservative contained in the bottle, sample type, client ID, and parameters for analysis.
2. The following information should be added to each label: date and time of collection, sampler's name or initials, and any field number or ID.
3. All bottles must be sealed with a permanent black ink. Do not use white ink or other colors.
4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

Laboratory Sample Acceptability:
Temperature: 3-9°C

1	Collected / Relinquished By: <u>Hannah Henning</u>	Date: <u>11/20/23</u>	Time: <u>1410</u>	Received By: <u>[Signature]</u>	Date: <u>11/20/23</u>	Time: <u>1400</u>
		Date:	Time:	Received By:	Date:	Time:
2	Relinquished By:					