

ANALYTICAL TEST REPORT

THESE RESULTS MEET NELAC STANDARDS

Submission Number : 23100010

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

Project Name : RQ-2023-10-02-70

Date Received : 10/02/2023

Time Received : 14:05

Erica Peck

Submission Number: 23100010	Sample Date: 10/02/2023
Sample Number: 001	Sample Time: 10:05
Sample Description: G2SW0162	Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	259	#/100 ML	10	10	SM9223B	10/03/2023 17:00	SM

Submission Number: 23100010	Sample Date: 10/02/2023
Sample Number: 002	Sample Time: 10:30
Sample Description: G1SW0138	Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	882	#/100 ML	10	10	SM9223B	10/03/2023 17:00	SM

Submission Number: 23100010	Sample Date: 10/02/2023
Sample Number: 003	Sample Time: 10:45
Sample Description: G1SW0092	Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	41	#/100 ML	10	10	ENTEROLERT	10/03/2023 16:00	SM

Submission Number: 23100010	Sample Date: 10/02/2023
Sample Number: 004	Sample Time: 11:10
Sample Description: G1SW0139	Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	41	#/100 ML	10	10	ENTEROLERT	10/03/2023 16:00	SM
E- COLI BY IDEXX QUANTITRAY	52	#/100 ML	10	10	SM9223B	10/03/2023 17:00	SM

Submission Number: 23100010
Sample Number: 005
Sample Description: G1SW0129

Sample Date: 10/02/2023
Sample Time: 11:45
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	323	#/100 ML	10	10	SM9223B	10/03/2023 17:00	SM

Submission Number: 23100010
Sample Number: 006
Sample Description: G1SW0119

Sample Date: 10/02/2023
Sample Time: 11:55
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	323	#/100 ML	10	10	SM9223B	10/03/2023 17:00	SM

Submission Number: 23100010
Sample Number: 007
Sample Description: G2SW0138

Sample Date: 10/02/2023
Sample Time: 12:15
Sample Method: Grab

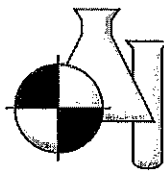
Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
ENTEROCOCCI	201	#/100 ML	10	10	ENTEROLERT	10/03/2023 16:00	SM

Submission Number: 23100010
Sample Number: 008
Sample Description: G1SW0140

Sample Date: 10/02/2023
Sample Time: 13:00
Sample Method: Grab

Parameter	Result	Units	MDL	PQL	Procedure	Analysis Date/Time	Analyst
E- COLI BY IDEXX QUANTITRAY	134	#/100 ML	10	10	SM9223B	10/03/2023 17:00	SM

BENCHMARK



EnviroAnalytical, Inc.

NELAP Certification #E84167

Haley Rin

10/06/2023

Dale D. Dixon / Laboratory Director

Date

Kathleen Gauthier / Haley Richardson - QC Officers

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.

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.

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.

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

PO# C1EFCB

Client Information: FDEP

Address: 13051 N. Telecom Parkway

Tampa FL 33604

Phone # 815-470-5878

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

Invoice to: FDEP Micro Overflow

Project Name: RQ-2023-10-02-70

Laboratory Submission #

230002910

Sample Name	Sample Type ¹ / Sample Matrix ²	Collection		Container			Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
G2SW0162	SW	2oct23	1005	1	250mL	P	Plain (on Ice)	E. coli	1
G1SW0138	SW	2oct23	1030	1	250mL	P	Plain (on Ice)	E. coli	2
G1SW0092	SW	2oct23	1045	1	250mL	P	Plain (on Ice)	ENTERO	3
G1SW0139	SW	2oct23	1110	2	250mL	P	Plain (on Ice)	ECOLI, ENTERO	4
G1SW0129	SW	2oct23	1145	1	250mL	P	Plain (on Ice)	E. coli	5
G1SW0119	SW	2oct23	1155	1	250mL	P	Plain (on Ice)	E. coli	6
G2SW0138	SW	2oct23	1215	1	250mL	P	Plain (on Ice)	ENTERO	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 (SDSMT), or sludge (SLDG).

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

⁴ Sample must be refrigerated or stored in wet ice after collection. The temperature during storage should be less than or equal to 6°C (42.8°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 bottle label after collection with permanent black ink: date and time of collection, sampler's name or initials, and any field number or ID.

3. All bottles not containing preservative may be rinsed with appropriate sample prior to collection.

4. The client is responsible for documentation of the sampling event. Please note special sampling events on the sample custody form.

1	Collected / Relinquished By: <u>K. TURMAN</u>	Date: <u>2oct23</u>	Time: <u>1405</u>	Received By: <u>Nathan Hadsell</u>	Date: <u>10-2-23</u>	Time: <u>1905</u>
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time:

Laboratory Sample Acceptability:

Temperature: 1.0 °C

Benchmark EnviroAnalytical, Inc
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Palmetto, FL 34221
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Laboratory Submission #

23100010

Sample Name	Sample Type ¹ / Sample Matrix ²	Collection		Container			Preservative ⁴	Parameters for Analysis	Laboratory Sample #
		Date	Time	Qty	Capacity	Type ³			
G1SWØ14Ø	SW	2023	1300	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)		

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Laboratory Sample Acceptability:

Temperature: 1.0 °C

1	Collected / Relinquished By: <u>E. Turner</u>	Date: <u>2023</u>	Time: <u>1405</u>	Received By: <u>Nathan Hadsc II</u>	Date: <u>10-2-23</u>	Time: <u>1405</u>
2	Relinquished By:	Date:	Time:	Received By:	Date:	Time: