



ENVIRONMENTAL RESEARCH & DESIGN, INC.

Engineering • Science • Chemistry • Research
3419 Trentwood Blvd. • Suite 102 • Belle Isle (Orlando), FL 32812-4864
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TECHNICAL REPORT FOR THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

CLIENT PROJECT: RQ-2018-07-30-37

ERD JOB #: 18-008

SAMPLE COLLECTION DATE: January 16, 2019

DATE REPORT PREPARED: February 6, 2019

CLIENT SERVICE CONTACT: Chip Harper
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Report To:

DEP-Overflow Micro
Florida Department of Environmental Protection
Biology Section
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Total Number of Pages in Report: 2

Analytical results presented in this report have been reviewed for compliance with the ENVIRONMENTAL RESEARCH & DESIGN, INC. (ERD) Quality Systems Manual and have been determined to meet applicable method guidelines and standards referenced in the 2003/2009 National Environmental laboratory Accreditation Program (NELAP) Quality Manual unless otherwise noted. The Analytical Results within these report pages reflect the values obtained from tests performed on samples as received by the laboratory on the date(s) listed unless indicated differently.

Cassie Revell
Lab Director



SAMPLE SUMMARY

Client: FDEP
Project Name: RQ-2018-07-30-37
ERD Job #: 18-008

Lab Sample I.D.	Date Collected	Time Collected	Sampler	Date Received	Matrix Code*	Type	Client Sample I.D.
19-0088	1/16/19	10:14	ML,MD	1/16/19	AQ	Surface Water	G2CE0036
19-0089	1/16/19	10:37	ML,MD	1/16/19	AQ	Surface Water	G2CE0199
19-0090	1/16/19	12:45	ML,MD	1/16/19	AQ	Surface Water	G2CE0168
19-0091	1/16/19	11:57	ML,MD	1/16/19	AQ	Surface Water	G2CE0198
19-0092	1/16/19	14:02	LB	1/16/19	AQ	Surface Water	G4CE0008
19-0093	1/16/19	14:45	LB	1/16/19	AQ	Surface Water	G4CE0157

*Matrix Code: AQ = Aqueous SED = Sediment

SUMMARY OF ANALYSES

Analyte: E. coli

Method: EPA 1603

Analyst: AF

Lab Sample I.D.	Client Sample I.D.	Result	Qualifier*	PQL	Reported Detection Limit	Units	Date Collected	Date Received	Date Analyzed
19-0088	G2CE0036	580	--	10	10	cfu/100 ml	1/16/19	1/16/19	1/17/19
19-0089	G2CE0199	1,300	B	10	10	cfu/100 ml	1/16/19	1/16/19	1/17/19
19-0090	G2CE0168	293	--	7	7	cfu/100 ml	1/16/19	1/16/19	1/17/19
19-0091	G2CE0198	219	--	6	6	cfu/100 ml	1/16/19	1/16/19	1/17/19
19-0092	G4CE0008	33	--	1	1	cfu/100 ml	1/16/19	1/16/19	1/17/19
19-0093	G4CE0157	21	--	1	1	cfu/100 ml	1/16/19	1/16/19	1/17/19

*A: average of 2 separate samples

B: < 20 or >80 cfu/100 ml

U = Result is < MDL

INCUBATION TIMES

ERD SAMPLE I.D.	DATE COLLECTED	CLIENT FIELD I.D.	INCUBATION PERIOD 1 (minimum of 2 hours)			INCUBATION PERIOD 2 (minimum of 22 hours)		
			Date Prepared	Time Started	Time Ended	Time Started	Time Ended	Date Analyzed
19-0088	1/16/19	G2CE0036	1/16/19	15:30	17:30	17:30	16:20	1/17/19
19-0089	1/16/19	G2CE0199	1/16/19	15:30	17:30	17:30	16:20	1/17/19
19-0090	1/16/19	G2CE0168	1/16/19	15:30	17:30	17:30	16:20	1/17/19
19-0091	1/16/19	G2CE0198	1/16/19	15:30	17:30	17:30	16:20	1/17/19
19-0092	1/16/19	G4CE0008	1/16/19	15:30	17:30	17:30	16:20	1/17/19
19-0093	1/16/19	G4CE0157	1/16/19	15:30	17:30	17:30	16:20	1/17/19

END OF REPORT



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CUSTODY TRANSFERS				Method of Shipment:		Received in Cooler: ☒ Y ☐ N		pH Checked in Laboratory (< 2 s.u.): ☐ Y ☒ N	
RELINQUISHED BY	RECEIVED BY	DATE	TIME	Delivered Directly to Lab: ☒ X	Temp. Blank Provided ☐ Y ☒ N	Cooler Temp. verification: 7°C	Temp. Blank Cooler #1: ☐ $^{\circ}\text{C}$	Sulfuric Acid: Lot # ☐	Chlorine Check (< 0.1 mg/l): ☐ Y ☒ N
1. K. Man...	Ali...	1/10/19	1515	Shipped By FedEx: ☐	Temperature Blank Cooler #2: ☐ $^{\circ}\text{C}$		Temperature Blank Cooler #3: ☐ $^{\circ}\text{C}$		
2.				UPS: ☐					
				Other: ☐					

COMMENTS:

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CUSTODY TRANSFERS				Method of Shipment:		Received in Cooler: ☒ Y ☐ N		pH Checked in Laboratory	
RELINQUISHED BY	RECEIVED BY	DATE	TIME	Delivered Directly to Lab: ☒ X	Cooler Temp. verification: <u>4°C</u>	Temp. Blank Provided ☐ Y ☒ N	(< 2 s.u.): ☐ Y ☒ N		
1. <i>Dricklin</i>	<i>AK</i>	<i>1/16/19</i>	<i>13:20</i>	Shipped By	FedEx: _____	Temperature Blank Cooler #1: _____ °C	Sulfuric Acid: Lot # _____		
2.					UPS: _____	Temperature Blank Cooler #2: _____ °C	Chlorine Check		
					Other: _____	Temperature Blank Cooler #3: _____ °C	(< 0.1 mg/l): ☐ Y ☒ N		

COMMENTS: