



ENVIRONMENTAL RESEARCH & DESIGN, INC.

Engineering • Science • Chemistry • Research
3419 Trentwood Blvd. • Suite 102 • Belle Isle (Orlando), FL 32812-4864
Telephone: 407-855-9465 • Fax: 407-826-0419

TECHNICAL REPORT FOR THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

ERD JOB #: 18-008

SAMPLE COLLECTION DATE: October 24, 2018

DATE REPORT PREPARED: November 6, 2018

CLIENT SERVICE CONTACT: Chip Harper
(charper@erd.org)

Report To:

DEP-Overflow Micro
Florida Department of Environmental Protection
Biology Section
Twin Towers / Lab Complex A, Rm 216, MS 6515
Tallahassee, FL 32399
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cc: Frances.Moore@dep.state.fl.us; Avril.Wood-McGrath@dep.state.fl.us

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.
18-2869	10/24/18	9:52	ML, MD	10/24/18	AQ	Surface Water	G2CE0080
18-2870	10/24/18	10:41	ML, MD	10/24/18	AQ	Surface Water	G2CE0108
18-2871	10/24/18	10:45	ML, MD	10/24/18	AQ	Surface Water	G2CE0108-Dup
18-2872	10/24/18	11:48	ML, MD	10/24/18	AQ	Surface Water	G2CE0095
18-2873	10/24/18	12:31	ML, MD	10/24/18	AQ	Surface Water	G2CE0067
18-2874	10/24/18	10:55	LB	10/24/18	AQ	Surface Water	G2CE0036

*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	MDL	Units	Date Collected	Date Received	Date Analyzed
18-2869	G2CE0080	11	--	1	1	cfu/100 ml	10/24/18	10/24/18	10/25/18
18-2870	G2CE0108	10	--	1	1	cfu/100 ml	10/24/18	10/24/18	10/25/18
18-2871	G2CE0108-Dup	14	--	1	1	cfu/100 ml	10/24/18	10/24/18	10/25/18
18-2872	G2CE0095	11	--	1	1	cfu/100 ml	10/24/18	10/24/18	10/25/18
18-2873	G2CE0067	14	--	1	1	cfu/100 ml	10/24/18	10/24/18	10/25/18
18-2874	G2CE0036	456	B	1	1	cfu/100 ml	10/24/18	10/24/18	10/25/18

*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
18-2869	10/24/18	G2CE0080	10/24/18	15:15	17:15	17:15	15:15	10/25/18
18-2870	10/24/18	G2CE0108	10/24/18	15:15	17:15	17:15	15:15	10/25/18
18-2871	10/24/18	G2CE0108-Dup	10/24/18	15:15	17:15	17:15	15:15	10/25/18
18-2872	10/24/18	G2CE0095	10/24/18	15:15	17:15	17:15	15:15	10/25/18
18-2873	10/24/18	G2CE0067	10/24/18	15:15	17:15	17:15	15:15	10/25/18
18-2874	10/24/18	G2CE0036	10/24/18	15:15	17:15	17:15	15:15	10/25/18

END OF REPORT



ENVIRONMENTAL RESEARCH & DESIGN, INC. --- CHAIN-OF-CUSTODY RECORD

3419 Trentwood Blvd., Suite 102 – Belle Isle (Orlando), FL 32812-4864 --- Phone: (407) 855-9465 --- Fax: (407) 826-0419

[illegible]

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>5°C</u>	(< 2 s.u.): ☐ Y ☒ N
1. <i>[Signature]</i>	<i>[Signature]</i>	6/24/18	1400	Shipped By FedEx: _____	Temp. Blank Provided ☐ Y ☒ N	pH Lot #: _____
2.				UPS: _____	Temperature Blank Cooler #1: _____ °C	Sulfuric Acid: Lot # _____
				Other: _____	Temperature Blank Cooler #2: _____ °C	Chlorine Check
					Temperature Blank Cooler #3: _____ °C	(< 0.1 mg/l): ☐ Y ☒ N

COMMENTS:	B39585
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[illegible]

CUSTODY TRANSFERS				Method of Shipment:	Received in Cooler: ☒ Y ☐ N Cooler Temp. verification: <u>5°C</u> Temp. Blank Provided ☐ Y ☒ N	pH Checked in Laboratory (< 2 s.u.): ☐ Y ☒ N pH Lot #: _____
RELINQUISHED BY	RECEIVED BY	DATE	TIME			
<i>[Signature]</i>	<i>[Signature]</i>	10/24/18	13:15	Delivered Directly to Lab: ☒ X	Temperature Blank Cooler #1: _____ °C Temperature Blank Cooler #2: _____ °C Temperature Blank Cooler #3: _____ °C	Sulfuric Acid: Lot # _____ Chlorine Check (< 0.1 mg/l): ☐ Y ☒ N
2.				Shipped By FedEx: _____ UPS: _____ Other: _____		

COMMENTS:	B39585
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[illegible]

CUSTODY TRANSFERS				Method of Shipment:	Received in Cooler: ☒ Y ☐ N Cooler Temp. verification: <u>5°C</u> Temp. Blank Provided ☐ Y ☒ N	pH Checked in Laboratory (< 2 s.u.): ☐ Y ☒ N pH Lot #: _____
RELINQUISHED BY	RECEIVED BY	DATE	TIME			
1. <i>Dr. K. Li</i>	<i>Dr. K. Li</i>	10/24/18	13:15	Delivered Directly to Lab: ☒ <u>x</u> Shipped By FedEx: _____ UPS: _____ Other: _____	Temperature Blank Cooler #1: _____ °C Temperature Blank Cooler #2: _____ °C Temperature Blank Cooler #3: _____ °C	Sulfuric Acid: Lot # _____ Chlorine Check (< 0.1 mg/l): ☐ Y ☒ N
2.						

COMMENTS:	B39585
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