



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: August 27, 2018

DATE REPORT PREPARED: September 7, 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
via Email: DEP-overflowmicro@dep.state.fl

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 August 2003 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 unless indicated differently.

A handwritten signature in blue ink that reads 'Cassie Revell'.

Cassie Revell
Lab Director





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

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

SAMPLE SUMMARY

Lab Sample I.D.	Date Collected	Time Collected	Sampler	Date Received	Matrix Code*	Type	Client Sample I.D.
18-2036	8/27/18	9:26	ML	8/27/18	AQ	Surface Water	G2CE0077
18-2037	8/27/18	9:43	ML	8/27/18	AQ	Surface Water	G2CE0157
18-2038	8/27/18	10:10	ML	8/27/18	AQ	Surface Water	G2CE0076
18-2039	8/27/18	10:30	ML	8/27/18	AQ	Surface Water	G2CE0156
18-2040	8/27/18	10:53	ML	8/27/18	AQ	Surface Water	G2CE0119
18-2041	8/27/18	11:10	ML	8/27/18	AQ	Surface Water	G2CE0088
18-2042	8/27/18	11:19	ML	8/27/18	AQ	Surface Water	G2CE0143
18-2044	8/27/18	10:43	ML	8/27/18	AQ	Surface Water	G2CE0086
18-2045	8/27/18	10:55	ML	8/27/18	AQ	Surface Water	G2CE0104
18-2046	8/27/18	11:00	ML	8/27/18	AQ	Surface Water	G2CE0104_Dup

*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
18-2036	G2CE0077	354	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2037	G2CE0157	640	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2038	G2CE0076	28	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2039	G2CE0156	63	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2040	G2CE0119	209	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2041	G2CE0088	280	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2042	G2CE0143	577	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2044	G2CE0086	25	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2045	G2CE0104	2	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18
18-2046	G2CE0104_Dup	3	--	1	1	cfu/100 ml	8/27/18	8/27/18	8/27/18

*B: < 20 cfu/100 ml

U = Result is < MDL

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

Client Name: Florida Department of Environmental Protection						Total Number of Bottles	ANALYSIS CODE											
Address: 3319 Maguire Blvd, Orlando, FL 32803							2-Liter Plastic	60 mL Plastic (filtered, F)	60 mL Plastic (Filtered/Preserved with H ₂ SO ₄ , FP)	60 mL Plastic (Unfiltered) (Preserved with H ₂ SO ₄ , P)	500 mL Plastic	Glass (Preserved with HCl)	Metals:		250 mL Plastic (Preserved with HNO ₃)	Whirlpak	Other	Other
Project Contact: Michael Linger													UF	1				
Project Contact Phone: 407-897-4180																		
Project Name: RQ-2018- 08-27-18 Project #: SMP																		
Containers Accepted By: Andrew																		
Samples Collected By: Terry Riordan / Mike Drennan																		
Sample I.D.	*Matrix	**IPC	ERD Sample I.D. No.	Date Collected	Time Collected													
G2CE0077	S	A	18-2036	8/27/18	0926	1											12a	
G2CE0157	S	A	18-2037	8/27/18	0943	1											12a	
G2CE0076	S	A	18-2038	8/27/18	1010	1											12a	
G2CE0156	S	A	18-2039	8/27/18	1030	1											12a	
G2CE0119	S	A	18-2040	8/27/18	1053	1											12a	
G2CE0088	S	A	18-2041	8/27/18	1110	1											12a	
G2CE0143	S	A	18-2042	8/27/18	1119	1											12a	
DISPOSAL DATE:																		
*MATRIX: SW = Stormwater SP = Seepage S = Surface Water BF = Baseflow GW = Groundwater BP = Bulk Precipitation G = Grab C = Composite **ICE PRESERVATION CODES (IPC): A = Transported in ice, ice present when received B = Transported in ice, ice not present when received C = Not transported in ice																		

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: ☒		Cooler Temp. verification: ☐ Y ☒ N		pH Lot #: _____	
1. Terry Riordan	<i>[Signature]</i>	8/27/18	12:15	Shipped By FedEx: _____		Temperature Blank Cooler #1: _____°C		Sulfuric Acid: Lot # _____	
2.				UPS: _____		Temperature Blank Cooler #2: _____°C		Chlorine Check (< 0.1 mg/l): ☐ Y ☒ N	
				Other: _____		Temperature Blank Cooler #3: _____°C			

COMMENTS:	B39585

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 Cooler Temp. verification: <u>5</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>[Signature]</i>	<i>[Signature]</i>	8/27/18	15:30	Delivered Directly to Lab: ☒ X Shipped By FedEx: _____ UPS: _____ Other: _____	Temperature Blank Cooler #1: _____ $^{\circ}$ C Temperature Blank Cooler #2: _____ $^{\circ}$ C Temperature Blank Cooler #3: _____ $^{\circ}$ C	Sulfuric Acid: Lot # _____ Chlorine Check (< 0.1 mg/l): ☐ Y ☒ N
2.						

COMMENTS:	B39585
------------------	--------

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 Cooler Temp. verification: <u>5</u> Temp. Blank Provided ☐ Y ☒ N	pH Checked in Laboratory (< 2 s.u.): ☐ Y ☒ N pH Lot #: _____
RELINQUISHED BY	RECEIVED BY	DATE	TIME			
		8/27/18	15:30	Delivered Directly to Lab: ☒ X	Temperature Blank Cooler #1: _____ $^{\circ}$ C Temperature Blank Cooler #2: _____ $^{\circ}$ C Temperature Blank Cooler #3: _____ $^{\circ}$ C	Sulfuric Acid: Lot # _____ Chlorine Check (< 0.1 mg/l): ☐ Y ☒ N
2.				Shipped By FedEx: _____ UPS: _____ Other: _____		

COMMENTS:	B39585
------------------	--------