

March 20, 2017

Jordan Skaggs
Florida Department of Environmental Assessment & Restoration
2199 S Rock Road
Fort Pierce, FL 34945

RE: Workorder: M1701036 Bro 2

Dear Jordan Skaggs:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, March 13, 2017. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report. The analytical results for the samples contained in this report were submitted for analysis as outlined by the Chain of Custody and results pertain only to these samples.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Tiffany Mackie - Client Services Manager
TMackie@AELLab.com

Enclosures

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SAMPLE SUMMARY

Workorder: M1701036 Bro 2

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1701036001	G45ENN3	Water	3/13/2017 11:30	3/13/2017 16:40
M1701036002	2800548	Water	3/13/2017 12:00	3/13/2017 16:40
M1701036003	28030521	Water	3/13/2017 13:00	3/13/2017 16:40
M1701036004	G45EB064	Water	3/13/2017 14:10	3/13/2017 16:40
M1701036005	G45EB128	Water	3/13/2017 14:50	3/13/2017 16:40

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ANALYTICAL RESULTS

Workorder: M1701036 Bro 2

Lab ID: **M1701036001** Date Received: 03/13/17 16:40 Matrix: Water
Sample ID: **G45ENN3** Date Collected: 03/13/17 11:30

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water			Analytical Method: SM 9222D					
Coliform Fecal	100	U	#/100 mL	100	100	100	3/13/2017 18:03	M

Lab ID: **M1701036002** Date Received: 03/13/17 16:40 Matrix: Water
Sample ID: **2800548** Date Collected: 03/13/17 12:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water			Analytical Method: SM 9222D					
Coliform Fecal	100	U	#/100 mL	100	100	100	3/13/2017 18:03	M

Lab ID: **M1701036003** Date Received: 03/13/17 16:40 Matrix: Water
Sample ID: **28030521** Date Collected: 03/13/17 13:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus,EPA 1600,Water			Analytical Method: EPA 1600 (MF)					
Enterococcus	10	U,Q	#/100 mL	10	10	10	3/14/2017 12:50	M

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ANALYTICAL RESULTS

Workorder: M1701036 Bro 2

Lab ID: **M1701036004**

Date Received: 03/13/17 16:40 Matrix: Water

Sample ID: **G45EB064**

Date Collected: 03/13/17 14:10

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Enterococcus,EPA 1600,Water			Analytical Method: EPA 1600 (MF)					
Enterococcus	230	Q	#/100 mL	10	10	10	3/14/2017 12:50	M

Lab ID: **M1701036005**

Date Received: 03/13/17 16:40 Matrix: Water

Sample ID: **G45EB128**

Date Collected: 03/13/17 14:50

Sample Description:

Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Fecal Coliform MF,SM9222D,Water			Analytical Method: SM 9222D					
Coliform Fecal	100	U	#/100 mL	100	100	100	3/13/2017 18:03	M

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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1701036 Bro 2

PARAMETER QUALIFIERS

- U The compound was analyzed for but not detected.
- I The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
- Q Missed Hold Time

LAB QUALIFIERS

- M DOH Certification #E82535(AEL-M)(FL NELAC Certification)

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QUALITY CONTROL DATA

Workorder: M1701036 Bro 2

QC Batch: MICm/1652 Analysis Method: SM 9222D
QC Batch Method: SM 9222D Prepared:
Associated Lab Samples: M1701036001, M1701036002, M1701036005

METHOD BLANK: 2297265

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Coliform Fecal	#/100 mL	1	1 U

METHOD BLANK: 2297266

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Coliform Fecal	#/100 mL	1	1 U

QC Batch: MICm/1656 Analysis Method: EPA 1600 (MF)
QC Batch Method: EPA 1600 (MF) Prepared:
Associated Lab Samples: M1701036003, M1701036004

METHOD BLANK: 2298261

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Enterococcus	#/100 mL	1	1 U

METHOD BLANK: 2298262

Parameter	Units	Blank Result	Reporting Limit Qualifiers
Microbiology Enterococcus	#/100 mL	1	1 U

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1701036 Bro 2

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1701036001	G45ENN3			SM 9222D	MICm/1652
M1701036002	2800548			SM 9222D	MICm/1652
M1701036005	G45EB128			SM 9222D	MICm/1652
M1701036003	28030521			EPA 1600 (MF)	MICm/1656
M1701036004	G45EB064			EPA 1600 (MF)	MICm/1656

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WORK ORDER



CHAIN OF CUSTODY RECORD

M1701036

Logged in LIMS by _____
Meets Acceptance Criteria: Y N

- ☒ 1460 W. McNab Road, Ft Laud. FL 33309
☐ 630 Indian Street Savannah, GA 31401
☐ 528 30th Street NE, Fort Meade, FL 33841
☐ 610 Parrot Ave. N, Okeechobee, FL 34972
☐ 1910 Harden Blvd, Suite 101, Lakeland, FL 33803

Tel: (954) 978-6400 Fax: (954) 978
 Tel: (912) 238-5050 Fax: (912) 234
 Tel: (863) 285-8145 Fax: (863) 285
 Tel: (863) 763-3336 Fax: (863) 763
 Tel: (863) 686-4271 Fax: (863) 686

Original-Return w/report

Yellow-Lab File Copy

Pink - Sampler Copy

Report to: **FDEP**

Invoice to: _____

Purchase Order # **PA-2017-03-06-22**Report to Address: **2199 S. Rock Rd, Fort Pierce, FL 34945**Invoice to Address: **2199 S. Rock Rd, Fort Pierce, FL 34945**Project Name and/or Number **Bro 2**Site Location: **Bro 2**

Project Contact: _____

Phone: **941-809-6227**

Fax: _____

Email: **James.Pitts@dep.state.fl.us**Sampler Name: **James Pitts**

Affiliation: _____

Sampler Signature: **James Pitts**

ORDER # Lab Control Number	Sample ID	Date Sampled	Time Sampled	Matrix	Bottle & Pres.	Number of Containers Received & NELAC Letter Suffixes # A-?	Analysis Required						Field Tests			
							E. coli	Enteroc					TEMP °C	PH	COND	CHLOR
1	645ENN83	3/13/17	1130	DW SW GW WW S SED HW BIO SEA OIL X AIR	U, B		✓									
2	28030548	3/13/17	1200		U, B		✓									
3	28030521	3/13/17	1300		U, B			✓								
4	645EB064	3/13/17	1410		U, B			✓								
5	645EB128	3/13/17	1450		U, B		✓									
6																
7																
8																
9																
10																

Special Comments:

"I waive TNI protocol" (emergency) (sign here) >

Deliverables: QA/QC Report Needed? Yes No (additional charge)

Sample Custody & Field Comments	Bottle Type	Preservatives
Received on Ice: Y N	A-liter amber	A-ascorbic acid P-H3PO4
Temp as received: 5.7 C	B-Bacteria bag/bottle	C-HCL S-H2SO4
Custody seals? Y N	F-500 ml O-125 ml	Cu-CuSO4 T-Na2S2O3
FIELD TIME:	H-Plastic Amber Liter	DI-DI water U-Unpreserved
Sampling _____ hrs	L-liter bottle	H-HNO3 N-NaOH
Pick-Up _____ hrs	S2-2 oz soil jar	M-MCAB NH4-NH4CL
Misc. Charges _____	S4-4 oz soil jar / S8-8 oz soil jar	MeOH-Methanol
	T-250 ml	Z-zinc acetate
	V-40 ml vial	
	W-wide mouth	
	X-other	
	TED-Tedlar Air Bag	
	Additional Bottle Types	
	B-brown liter plastic	
		Additional Preservatives
		Hex-Hex Cr Buffer
		EDA-Ethylene Diamine

Total

Signature

Affiliation

Date/Time

1	Relinquished by: James Pitts	3/13/17 16:40
1	Received by: Jeffrey Mackie	3/13/17 16:40
2	Relinquished by:	
2	Received by:	
3	Relinquished by:	
3	Received by:	
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