Advanced Environmental Laboratories, Inc.

Advanced Environmental Laboratories, Inc
10200 USA Today Way Miramar, FL 33025
Payments: P.O. Box 551580 Jacksonville, FL 32255-1580
Phone: (954)889-2288
Fax: (954)889-2281

May 23, 2017

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

RE: Workorder: M1701185 G4 Bro 3

Dear Jordan Skaggs:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, March 23, 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

CERTIFICATE OF ANALYSIS

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SAMPLE SUMMARY

Workorder: M1701185 G4 Bro 3

Lab ID	Sample ID	Matrix	Date Collected	Date Received
M1701185001	28030591	Water	3/23/2017 09:45	3/23/2017 13:30
M1701185002	28030508	Water	3/23/2017 10:20	3/23/2017 13:30
M1701185003	28030516	Water	3/23/2017 10:45	3/23/2017 13:30
M1701185004	28030516 DUP	Water	3/23/2017 11:00	3/23/2017 13:30
M1701185005	G4SWB011	Water	3/23/2017 11:20	3/23/2017 13:30
M1701185006	420011013	Water	3/23/2017 12:15	3/23/2017 13:30

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ANALYTICAL RESULTS

Workorder: M1701185 G4 Bro 3

Lab ID: **M1701185001** Date Received: 03/23/17 13:30 Matrix: Water
Sample ID: **28030591** Date Collected: 03/23/17 09:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Escherichia Coli,EPA 1603,Water	Analytical Method: EPA 1603							
E. Coli	**80**	**B**	**#/100 mL**	**10**	10	10	3/23/2017 14:45	M^

Lab ID: **M1701185002** Date Received: 03/23/17 13:30 Matrix: Water
Sample ID: **28030508** Date Collected: 03/23/17 10:20

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Escherichia Coli,EPA 1603,Water	Analytical Method: EPA 1603							
E. Coli	**320**		**#/100 mL**	**10**	10	10	3/23/2017 14:45	M^

Lab ID: **M1701185003** Date Received: 03/23/17 13:30 Matrix: Water
Sample ID: **28030516** Date Collected: 03/23/17 10:45

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Escherichia Coli,EPA 1603,Water	Analytical Method: EPA 1603							
E. Coli	**10**	**B**	**#/100 mL**	**10**	10	10	3/23/2017 14:45	M^

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ANALYTICAL RESULTS

Workorder: M1701185 G4 Bro 3

Lab ID: **M1701185004** Date Received: 03/23/17 13:30 Matrix: Water
Sample ID: **28030516 DUP** Date Collected: 03/23/17 11:00

Sample Description: Location:

Parameters	Results	Qual	Units	DF	Adjusted PQL	Adjusted MDL	Analyzed	Lab
Microbiology								
Analysis Desc: Escherichia Coli,EPA 1603,Water	Analytical Method: EPA 1603							
E. Coli	**10**	**B**	**#/100 mL**	**10**	10	10	3/23/2017 14:45	M^

Lab ID: **M1701185005** Date Received: 03/23/17 13:30 Matrix: Water
Sample ID: **G4SWB011** Date Collected: 03/23/17 11:20

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**	**B**	**#/100 mL**	**10**	10	10	3/23/2017 14:35	M

Lab ID: **M1701185006** Date Received: 03/23/17 13:30 Matrix: Water
Sample ID: **420011013** Date Collected: 03/23/17 12:15

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**	**#/100 mL**	**10**	10	10	3/23/2017 14:35	M

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ANALYTICAL RESULTS QUALIFIERS

Workorder: M1701185 G4 Bro 3

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.
B	Results based upon colony counts outside the acceptable range.

LAB QUALIFIERS

M	DOH Certification #E82535(AEL-M)(FL NELAC Certification)
M^	Not Certified

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QUALITY CONTROL DATA

Workorder: M1701185 G4 Bro 3

QC Batch: MICm/1677 Analysis Method: EPA 1600 (MF)
QC Batch Method: EPA 1600 (MF) Prepared:
Associated Lab Samples: M1701185005, M1701185006

METHOD BLANK: 2308735

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

METHOD BLANK: 2308736

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

QC Batch: MICm/1678 Analysis Method: EPA 1603
QC Batch Method: EPA 1603 Prepared:
Associated Lab Samples: M1701185001, M1701185002, M1701185003, M1701185004

METHOD BLANK: 2308745

Parameter	Units	Blank Result	Reporting Limit	Qualifiers
Microbiology				
E. Coli	#/100 mL	1	1	U

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Workorder: M1701185 G4 Bro 3

Lab ID	Sample ID	Prep Method	Prep Batch	Analysis Method	Analysis Batch
M1701185005	G4SWB011			EPA 1600 (MF)	MICm/1677
M1701185006	420011013			EPA 1600 (MF)	MICm/1677
M1701185001	28030591			EPA 1603	MICm/1678
M1701185002	28030508			EPA 1603	MICm/1678
M1701185003	28030516			EPA 1603	MICm/1678
M1701185004	28030516 DUP			EPA 1603	MICm/1678

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Jacksonville: 6681 Southpoint Pkwy. • Jacksonville, FL 32
Miramar: 10200 USA Today Way • Miramar, FL 33025 • 954.
Tallahassee: 2639 North Monroe Street, Suite D • Tallahass
Tampa: 9610 Princess Palm Ave. • Tampa, FL 33619 • 813.63

M1701185

Client Name: FDEP	Project Name: G4 Bio 3
Address: 2199 S. Rock Rd. Fort Pierce, FL 34945	P.O. Number or Project Number: R3-2017-03-06-27
Phone: 941-861-6227	FDEP Facility No:
FAX:	Project Address:
Contact:	Special Instructions: No preservation used
Sampled By: James Pitts	
Turn Around Time: ☐ STANDARD ☐ RUSH	
Page: ___ of ___	☐ ADaPT ☐ EQuIS ☐ Other

ANALYSIS REQUIRED

SAMPLE ID	SAMPLE DESCRIPTION	Grab Comp	SAMPLING DATE	SAMPLING TIME	MATRIX	NO. COUNT	PRESERVATION	BOTTLE SIZE & TYPE: E. Coli	BOTTLE SIZE & TYPE: Enterco	LABORATORY I.D. NUMBER
2803049			3/23	0945	SW	1		✓		01
280305 03			3/23	1020	SW	1		✓		
280305 16			3/23	1045	SW	1		✓		
280305 16 Dup			3/23	1100	SW	1		✓		
G4SEBD11			3/23	1120	SW	1			✓	
42001013			3/23	1215	SW	1			✓	

Matrix Code: WW = wastewater SW = surface water GW = ground water DW = drinking water O = oil A = air SO = soil SL = sludge Preservation Code: I = Ice H=(HCl) S = (H2SO4) N = (HNO3) T = (Sodium Thiosulfate)

Received on Ice ☑ Yes ☐ No ☑ Temp taken from sample ☐ Temp from blank ☐ Where required, pH checked Temperature when received 5.4 (in degrees celcius)

DCN: AD-051 Form last revised 04/30/2015 Device used for measuring Temp by unique identifier (circle IR temp gun used) J: 9A G: LT-1 LT-2 T: 10A A: 3A M: 3A S: 1V

	Relinquished by:	Date	Time	Received by:	Date	Time
1	James Pitts	3/23	1330	[illegible]	3/24	1330
2						
3						
4						

FOR DRINKING WATER USE:

PWS ID:
Contact Person: Phone:
Supplier of Water:
Site-Address: