



Advanced Environmental Laboratories, Inc  
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July 25, 2017

Francis Moore  
FDEP-Bureau of Labs-Bio Section -Twin Towers Lab Complex A  
Rm 216 MS 6515  
2600 Blair Stone Rd.  
Tallahassee, FL 32399

RE: Workorder: T1711589 TMDL/SMP

Dear Francis Moore:

Enclosed are the analytical results for sample(s) received by the laboratory on Monday, July 10, 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,

A handwritten signature in black ink that reads 'Heidi Parker'.

Heidi Parker - Project Manager  
HParker@AELLab.com

Enclosures

Report ID: 496953 - 920674

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## SAMPLE SUMMARY

Workorder: T1711589 TMDL/SMP

| Lab ID      | Sample ID | Matrix | Date Collected  | Date Received   |
|-------------|-----------|--------|-----------------|-----------------|
| T1711589001 | G5SW0002  | Water  | 7/10/2017 10:05 | 7/10/2017 14:30 |
| T1711589002 | G5SW0054  | Water  | 7/10/2017 10:45 | 7/10/2017 14:30 |
| T1711589003 | G5SW0128  | Water  | 7/10/2017 11:25 | 7/10/2017 14:30 |
| T1711589004 | G5SW0129  | Water  | 7/10/2017 12:40 | 7/10/2017 14:30 |
| T1711589005 | G5SW0035  | Water  | 7/10/2017 13:05 | 7/10/2017 14:30 |

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## ANALYTICAL RESULTS

Workorder: T1711589 TMDL/SMP

Lab ID: **T1711589001** Date Received: 07/10/17 14:30 Matrix: Water  
Sample ID: **G5SW0002** Date Collected: 07/10/17 10:05

Sample Description: Location:

| Parameters                                     | Results | Qual | Units                       | DF | Adjusted<br>PQL | Adjusted<br>MDL | Analyzed        | Lab |
|------------------------------------------------|---------|------|-----------------------------|----|-----------------|-----------------|-----------------|-----|
| <b>Microbiology</b>                            |         |      |                             |    |                 |                 |                 |     |
| Analysis Desc: Escherichia Coli,EPA 1603,Water |         |      | Analytical Method: EPA 1603 |    |                 |                 |                 |     |
| E. Coli                                        | 120     | B    | #/100 mL                    | 10 | 10              | 10              | 7/10/2017 17:00 | T   |

Lab ID: **T1711589002** Date Received: 07/10/17 14:30 Matrix: Water  
Sample ID: **G5SW0054** Date Collected: 07/10/17 10:45

Sample Description: Location:

| Parameters                              | Results | Qual | Units                             | DF  | Adjusted<br>PQL | Adjusted<br>MDL | Analyzed        | Lab |
|-----------------------------------------|---------|------|-----------------------------------|-----|-----------------|-----------------|-----------------|-----|
| <b>Microbiology</b>                     |         |      |                                   |     |                 |                 |                 |     |
| Analysis Desc: Enterococcus,9230C,Water |         |      | Analytical Method: SM 9230 C (MF) |     |                 |                 |                 |     |
| Enterococcus                            | 600     | B    | #/100 mL                          | 100 | 100             | 100             | 7/10/2017 17:00 | T   |

Lab ID: **T1711589003** Date Received: 07/10/17 14:30 Matrix: Water  
Sample ID: **G5SW0128** Date Collected: 07/10/17 11:25

Sample Description: Location:

| Parameters                              | Results | Qual | Units                             | DF | Adjusted<br>PQL | Adjusted<br>MDL | Analyzed        | Lab |
|-----------------------------------------|---------|------|-----------------------------------|----|-----------------|-----------------|-----------------|-----|
| <b>Microbiology</b>                     |         |      |                                   |    |                 |                 |                 |     |
| Analysis Desc: Enterococcus,9230C,Water |         |      | Analytical Method: SM 9230 C (MF) |    |                 |                 |                 |     |
| Enterococcus                            | 440     |      | #/100 mL                          | 10 | 10              | 10              | 7/10/2017 17:00 | T   |

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## ANALYTICAL RESULTS

Workorder: T1711589 TMDL/SMP

Lab ID: **T1711589004** Date Received: 07/10/17 14:30 Matrix: Water  
Sample ID: **G5SW0129** Date Collected: 07/10/17 12:40

Sample Description: Location:

| Parameters                                     | Results    | Qual | Units                       | DF        | Adjusted<br>PQL | Adjusted<br>MDL | Analyzed        | Lab |
|------------------------------------------------|------------|------|-----------------------------|-----------|-----------------|-----------------|-----------------|-----|
| <b>Microbiology</b>                            |            |      |                             |           |                 |                 |                 |     |
| Analysis Desc: Escherichia Coli,EPA 1603,Water |            |      | Analytical Method: EPA 1603 |           |                 |                 |                 |     |
| E. Coli                                        | <b>320</b> |      | <b>#/100 mL</b>             | <b>10</b> | 10              | 10              | 7/10/2017 17:00 | T   |

Lab ID: **T1711589005** Date Received: 07/10/17 14:30 Matrix: Water  
Sample ID: **G5SW0035** Date Collected: 07/10/17 13:05

Sample Description: Location:

| Parameters                              | Results     | Qual     | Units                             | DF         | Adjusted<br>PQL | Adjusted<br>MDL | Analyzed        | Lab |
|-----------------------------------------|-------------|----------|-----------------------------------|------------|-----------------|-----------------|-----------------|-----|
| <b>Microbiology</b>                     |             |          |                                   |            |                 |                 |                 |     |
| Analysis Desc: Enterococcus,9230C,Water |             |          | Analytical Method: SM 9230 C (MF) |            |                 |                 |                 |     |
| Enterococcus                            | <b>1000</b> | <b>B</b> | <b>#/100 mL</b>                   | <b>100</b> | 100             | 100             | 7/10/2017 17:00 | T   |

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## ANALYTICAL RESULTS QUALIFIERS

Workorder: T1711589 TMDL/SMP

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### 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

- T DOH Certification #E84589(AEL-T)(FL NELAC Certification)

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## QUALITY CONTROL DATA

Workorder: T1711589 TMDL/SMP

QC Batch: MICt/3119 Analysis Method: SM 9230 C (MF)  
QC Batch Method: SM 9230 C (MF) Prepared:  
Associated Lab Samples: T1711589002, T1711589003, T1711589005

METHOD BLANK: 2409695

| Parameter                    | Units    | Blank Result | Reporting Limit Qualifiers |
|------------------------------|----------|--------------|----------------------------|
| Microbiology<br>Enterococcus | #/100 mL | 1            | 1 U                        |

QC Batch: MICt/3148 Analysis Method: EPA 1603  
QC Batch Method: EPA 1603 Prepared:  
Associated Lab Samples: T1711589001, T1711589004

METHOD BLANK: 2415830

| Parameter               | Units    | Blank Result | Reporting Limit Qualifiers |
|-------------------------|----------|--------------|----------------------------|
| Microbiology<br>E. Coli | #/100 mL | 1            | 1 U                        |

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

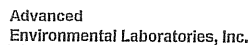
Workorder: T1711589 TMDL/SMP

| Lab ID      | Sample ID | Prep Method | Prep Batch | Analysis Method | Analysis Batch |
|-------------|-----------|-------------|------------|-----------------|----------------|
| T1711589002 | G5SW0054  |             |            | SM 9230 C (MF)  | MICt/3119      |
| T1711589003 | G5SW0128  |             |            | SM 9230 C (MF)  | MICt/3119      |
| T1711589005 | G5SW0035  |             |            | SM 9230 C (MF)  | MICt/3119      |
| T1711589001 | G5SW0002  |             |            | EPA 1603        | MICt/3148      |
| T1711589004 | G5SW0129  |             |            | EPA 1603        | MICt/3148      |

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LAB NUMBER:

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|                                                                               |                  |                                                |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
|-------------------------------------------------------------------------------|------------------|------------------------------------------------|-------------------|---------------------------------------------|------------------------|------------------------------|-----------|-----------|---------|--------|---|---|--|--|--|--|--|-----------------------------------------------|
| CLIENT NAME:<br>FDEP - SW District                                            |                  | PROJECT NAME:<br>TMDL / SMP                    |                   | BOTTLE SIZE & TYPE                          | Sterile Plastic Bottle |                              |           |           |         |        |   |   |  |  |  |  |  | L<br>A<br>B<br><br>N<br>U<br>M<br>B<br>E<br>R |
| ADDRESS:<br>13051 N. Telecom Pkwy<br>Temple Terrace, FL 33637                 |                  | P.O. NUMBER/PROJECT NUMBER:                    |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| PHONE:<br>813-470-5700                                                        |                  | PROJECT LOCATION:<br>Florida                   |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| CONTACT:<br>Matthew Boarden Sarah-Ernst                                       |                  | FAX:<br>813-470-5995                           |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| TURN AROUND TIME:                                                             |                  | SAMPLED BY:<br>J Ashton + S Meyer              |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| <input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> RUSH |                  | REMARKS/SPECIAL INSTRUCTIONS:<br><br>PO AF315E |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| *Samples are ambient water and not suspected to contain chlorine*             |                  |                                                |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| WW=waste water                                                                | SW=surface water | GW=ground water                                | DW=drinking water | O=oil                                       | A=air                  | SO=soil                      | SL=sludge |           |         |        |   |   |  |  |  |  |  |                                               |
| RQ-2017-07-10-22<br>Date: 07-10-2017<br>Time:<br><br>Stevenson Crk            |                  | G5SW0002<br>Field ID STORET<br>↑↓<br>G5SU0002  |                   | Grab Comp                                   | SAMPLING<br>DATE TIME  |                              | MATRIX    | NO. COUNT | Preserv | Ice, T |   |   |  |  |  |  |  |                                               |
| RQ-2017-07-10-21<br>Date: 07-10-2017<br>Time:<br><br>Bishop Tidal             |                  | G5SW0054<br>Field ID STORET<br>↑↓<br>G5SU0054  |                   | Grab                                        | 07/10/2017 10 05       |                              | SW        | 1         |         |        | ✓ |   |  |  |  |  |  | (w)                                           |
| RQ-2017-07-10-21<br>Date: 07-10-2017<br>Time:<br><br>Cedar Tidal              |                  | G5SW0128<br>Field ID STORET<br>↑↓<br>G5SU0128  |                   | Grab                                        | 07/10/2017 10 45       |                              | SW        | 1         |         |        |   | ✓ |  |  |  |  |  | (w)                                           |
| RQ-2017-07-10-22<br>Date: 07-10-2017<br>Time:<br><br>Cedar Creek              |                  | G5SW0129<br>Field ID STORET<br>↑↓<br>G5SU0129  |                   | Grab                                        | 07/10/2017 11 25       |                              | SW        | 1         |         |        |   | ✓ |  |  |  |  |  | (w)                                           |
| RQ-2017-07-10-21<br>Date: 07-10-2017<br>Time:<br><br>Klosterman               |                  | G5SW0035<br>Field ID STORET<br>↑↓<br>G5SU0035  |                   | Grab                                        | 07/10/2017 12 40       |                              | SW        | 1         |         |        | ✓ |   |  |  |  |  |  | (w)                                           |
|                                                                               |                  |                                                |                   | Grab                                        | 07/10/2017 13 05       |                              | SW        | 1         |         |        | ✓ |   |  |  |  |  |  | (w)                                           |
| Shipment Out: _____ Ret: _____                                                |                  | Method Via: _____                              |                   | Sample Kit RB _____ AB _____ Trip Bl. _____ |                        | Cooler # D/T _____ D/T _____ |           |           |         |        |   |   |  |  |  |  |  |                                               |
| Relinquish by: _____ Date: _____ Time: _____                                  |                  | Received by: _____ Date: _____ Time: _____     |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| 1 Sarah Meyer 07/10/2017 14 29                                                |                  | Sarah Meyer 7/10/17 1430                       |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| 2                                                                             |                  | 2                                              |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| 3                                                                             |                  | 3                                              |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |
| 4                                                                             |                  | 4                                              |                   |                                             |                        |                              |           |           |         |        |   |   |  |  |  |  |  |                                               |

revised 1/12