

**DRINKING WATER MICROBIAL SAMPLE COLLECTION  
& LABORATORY REPORT FORMAT**

(62-550.730 Reporting Format Effective 01/95, Revised 02/2010)

**FLOWERS**

**CHEMICAL  
LABORATORIES  
INCORPORATED**



571 NW Mercantile Place, Suite 111, Port St. Lucie FL 34986  
Phone: 772-343-8006 Fax: 772-343-8089

FLDOH Lab Certification #E86562

Report Number: 407715 Subcontract Lab ID: \_\_\_\_\_

**Analysis Requested:** (check all that apply then circle appropriate selection below)

- Total Coliform/*E. coli*  Total Coliform/Fecal  Enterococci  
 Coliphage  HPC  Other: \_\_\_\_\_

10F2

Lab Receipt Date & Time: 7/25 1500

Analysis Date & Time: 7 25 19 4:57P

Sample Acceptance Criteria:

Sample Preservation:  On Ice  Not On Ice  2.9°C  
Disinfectant Check:  Not Detected  \_\_\_\_\_ mg/L

This sample does not meet the following NELAC requirements:

**Public Water System (PWS) Name:** City of West Melbourne **PWS I.D. #** 3051460  
**PWS Address** 2240 Minton Road **City** West Melbourne  
**PWS or PWS Owner's Phone #** 321-727-3710 **Fax #** 321-723-1205  
**Collector:** B. Mico, Aquatest Services, Inc. **Collector's Phone #** 321-728-5789

**Type of Supply** (check only one)

- Community Water System  Non-Transient Non-community Water System  Transient Non-community Water System  
 Limited Use System  Bottled Water  Private Well  Swimming Pool  Other \_\_\_\_\_

**Reason for Sampling:** (check all that apply) **West Melbourne School of Science, 2255 Meadowlane Avenue (pg 1 of 2)**

- Distribution Routine  Distribution Repeat  Raw (triggered or assessment)  Raw (triggered or assessment) additional  Well Survey  
 Clearance  Replacement (also check type of sample being replaced)  Boil Water Notice  Other \_\_\_\_\_

**Sample Collection Date:** 07/24/19 **A = Absent, P = Present, C = Confluent Growth, TNTC = Too Numerous To Count**

To be completed by collector of sample						To be completed by lab					
Sample Number	Sample Point (Location or Specific Address)	Collection Time	Sample Type <sup>1</sup>	Disinfect Res'd (mg/L)	pH	Method <input checked="" type="checkbox"/> Colilert18	Non Coliform	Total Coliform	Fecal, E. coli Enterococci	Q <sup>4</sup>	Lab Sample#
19055-1	S.P. #1 Principal's office sink	1220	S	<0.1				A	A		Dw1
19055-2	S.P. #2 Kitchen	1225	S	<0.1				A	A		Dw2
19055-3	S.P. #3 Room 404 sink	1240	S	<0.1				A	A		Dw3
19055-4	S.P. #4 Room 603 sink	1245	S	<0.1				A	A		Dw4
19055-5	S.P. #5 Room 804 sink	1255	S	<0.1				A	A		Dw5

Average of disinfectant residuals for distribution routine and repeat samples<sup>5</sup>:  
<sup>5</sup>Complete for community and non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.  
Free chlorine or Total chlorine (circle one).  
Disinfectant Residual Analysis Method:  DPD Colorimetric  Other: \_\_\_\_\_  
Person performing disinfectant analysis is:  Employed by DEP or DOH  
 A certified operator # \_\_\_\_\_  Employed by a certified lab  
 Supervised by cert operator # \_\_\_\_\_  Authorized representative of water supplier

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.  
Date & time PWS notified by lab of positive results: \_\_\_\_\_  
Date & time DEP/DOH notified by lab of positive results: \_\_\_\_\_  
Date Report Issued: \_\_\_\_\_

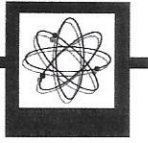
**Name and Mailing Address of Person to Receive Report**

Aquatest Services, Inc.  
597 Chippewa Avenue NE  
Palm Bay, FL 32907

Lab Signature: \_\_\_\_\_  
Title: Technical Director or Lab Designee  
**DEP/DOH USE ONLY**  
 Satisfactory  
 Incomplete Collection Information  
 Repeat Samples Required  
 Replacement Samples Required  
Date Reviewed by DEP/DOH: \_\_\_\_\_  
DEP/DOH Reviewing Official: \_\_\_\_\_

**DRINKING WATER MICROBIAL SAMPLE COLLECTION  
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2 of 2

571 NW Mercantile Place, Suite 111, Port St. Lucie FL 34986  
Phone: 772-343-8006 Fax: 772-343-8089

FLDOH Lab Certification #E86562

Report Number: 407715 Subcontract Lab ID: \_\_\_\_\_

**Analysis Requested:** (check all that apply then circle appropriate selection below)

- Total Coliform/*E. coli*  Total Coliform/Fecal  Enterococci  
 Coliphage  HPC  Other: \_\_\_\_\_

Lab Receipt Date & Time: Jan 7/25 1500  
Analysis Date & Time: 7-25-19 4:55P  
Sample Acceptance Criteria: \_\_\_\_\_  
Sample Preservation:  On Ice  Not On Ice  2.9 °C  
Disinfectant Check:  Not Detected  \_\_\_\_\_ mg/L  
This sample does not meet the following NELAC requirements: \_\_\_\_\_

**Public Water System (PWS) Name:** City of West Melbourne **PWS I.D. #** 3051460  
**PWS Address** 2240 Minton Road **City** West Melbourne  
**PWS or PWS Owner's Phone #** 321-727-3710 **Fax #** 321-723-1205  
**Collector:** B. Mico, Aquatest Services, Inc. **Collector's Phone #** 321-728-5789

**Type of Supply** (check only one)

- Community Water System  Non-Transient Non-community Water System  Transient Non-community Water System  
 Limited Use System  Bottled Water  Private Well  Swimming Pool  Other \_\_\_\_\_

**Reason for Sampling:** (check all that apply) West Melbourne School of Science, 2255 Meadowlane Avenue (pg 2 of 2)

- Distribution Routine  Distribution Repeat  Raw (triggered or assessment)  Raw (triggered or assessment) additional  Well Survey  
 Clearance  Replacement (also check type of sample being replaced)  Boil Water Notice  Other \_\_\_\_\_

**Sample Collection Date:** 07/24/19 **A = Absent, P = Present, C = Confluent Growth, TNTC = Too Numerous To Count**

To be completed by collector of sample						To be completed by lab					
Sample Number	Sample Point (Location or Specific Address)	Collection Time	Sample Type <sup>1</sup>	Disinfect Res'd (mg/L)	pH	Method: <input checked="" type="checkbox"/> Coliort18	Non Coliform	Total Coliform	Fecal, E. coli Enterococci	Q <sup>4</sup>	Lab Sample#
19055-6	S.P. #6 Room 200, Water Cooler	1230	S	<0.1			A	A			Dw6
19055-7	S.P. #7 Building 8, Water Cooler	1250	S	<0.1			A	A			Dw7

Average of disinfectant residuals for distribution routine and repeat samples<sup>5</sup>:

<sup>5</sup>Complete for community and non-transient non-community systems serving populations up to and including 4,900. Do not include raw or plant samples in the average.

Free chlorine or Total chlorine (circle one).

Disinfectant Residual Analysis Method:  DPD Colorimetric  Other: \_\_\_\_\_  
Person performing disinfectant analysis is:  Employed by DEP or DOH  Employed by a certified lab  
 A certified operator # \_\_\_\_\_  Supervised by cert operator # \_\_\_\_\_  Authorized representative of water supplier

Unless otherwise noted, all tests are performed in accordance with NELAC standards, and the results relate only to the samples.

Date & time PWS notified by lab of positive results: \_\_\_\_\_

Date & time DEP/DOH notified by lab of positive results: \_\_\_\_\_

Date Report Issued: \_\_\_\_\_

Lab Signature: \_\_\_\_\_

Title: Technical Director or Lab Designee

DEP/DOH USE ONLY

- Satisfactory  
 Incomplete Collection Information  
 Repeat Samples Required  
 Replacement Samples Required

Date Reviewed by DEP/DOH: \_\_\_\_\_

DEP/DOH Reviewing Official: \_\_\_\_\_

**Name and Mailing Address of Person to Receive Report**

Aquatest Services, Inc.  
597 Chippewa Avenue NE  
Palm Bay, FL 32907

<sup>1</sup>DEP Sample Type Codes: D = Distribution (Routine Compliance); C = Repeat or Check; R = Raw; N = Entry to Distribution; P = Plant Tap; S = Special (clearance, etc.)  
<sup>4</sup>Defined in Florida Administrative Code Rule 62-160, Table 1C:\Users\Aquatest\Documents\Aquatest Services\Main Clearances 2019\West Melbourne School of Science 7-24-19 p 1 of 2.doc



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3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)  
Phone: 772-343-8006 E86562 (South Lab)  
Phone: 850-973-6878 E82405 (North Lab)  
Phone: 305-743-8598 E35834 (Keys Lab)

Aquatest Services, Inc.  
597 Chippewa Avenue NE  
Palm Bay, FL 32907

PO #: n/a  
Client Project #: West Melbourne School of Science  
Date Sampled: Jul 24, 2019  
Jul 31, 2019; Invoice: 407628

## Report Summary

Date Received: Jul 25, 2019

FCL Project Manager: William J. Rogers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
407628DW1	Principal Office	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water
407628DW2	Kitchen	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water
407628DW3	Room 404	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water
407628DW4	Room 603	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water
407628DW5	Room 804	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water
407628DW6	Room 200 Water Cooler	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water
407628DW7	Bldg 8 water Cooler	EPA200.7 EPA200.8	EVB EVB	Main Lab Main Lab	Drinking Water

### Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.



Jefferson S. Flowers, Ph.D.  
President/Technical Director



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Aquatest Services, Inc.  
 597 Chippewa Avenue NE  
 Palm Bay, FL 32907

PO #: n/a  
 Client Project #: West Melbourne School of Science  
 Date Sampled: Jul 24, 2019  
 Jul 31, 2019; Invoice: 407628

### Analysis Report

Lab #:	407628DW1	Sampled:	07/24/19 12:20 PM	Desc:	Principal Office	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result	Units									
Copper		0.00750	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Lead		0.00530	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Iron		0.197	mg/L			1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19

Lab #:	407628DW2	Sampled:	07/24/19 12:25 PM	Desc:	Kitchen	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result	Units									
Copper		0.0542	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Lead		0.00100 U	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Iron		0.0622	mg/L			1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19

Lab #:	407628DW3	Sampled:	07/24/19 12:40 PM	Desc:	Room 404	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result	Units									
Copper		0.0372	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Lead		0.00250	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Iron		0.314	mg/L			1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19

Lab #:	407628DW4	Sampled:	07/24/19 12:45 PM	Desc:	Room 603	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result	Units									
Copper		0.00540	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Lead		0.00100 U	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Iron		0.0242	mg/L			1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19

Lab #:	407628DW5	Sampled:	07/24/19 12:55 PM	Desc:	Room 804	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Parameter		Result	Units									
Copper		0.0104	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Lead		0.00100 U	mg/L			1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Iron		0.0439	mg/L			1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19



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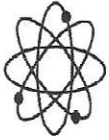
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Aquatest Services, Inc.  
597 Chippewa Avenue NE  
Palm Bay, FL 32907

PO #: n/a  
Client Project #: West Melbourne School of Science  
Date Sampled: Jul 24, 2019  
Jul 31, 2019; Invoice: 407628

Lab #:	Sampled:	Desc:	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
407628DW6	07/24/19 12:30 PM	Room 200 Water Cooler	0.0496	mg/L	1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Parameter			0.00190	mg/L	1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Copper			0.0234	mg/L	1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19
Lead											
Iron											
407628DW7	07/24/19 12:50 PM	Bldg 8 water Cooler	0.0230	mg/L	1.00	0.00100	0.00200	10409901	EPA200.8	7440-50-8	07/29/19
Parameter			0.00100	mg/L	1.00	0.00100	0.00200	10409901	EPA200.8	7439-92-1	07/29/19
Copper			0.0168	mg/L	1.00	0.0100	0.0200	10410003	EPA200.7	7439-89-6	07/30/19
Lead											
Iron											



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### Quality Report

#### Quality Control Batch: 10409901

<b>Blank</b>		<b>Analyst: EVB</b>
Copper	<b>Result</b>	<b>Units</b>
Lead	0.00100U	mg/L
	0.00100U	mg/L

#### Laboratory Control Sample

Copper	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
Lead	0.0897	mg/L	0.100	89.70	80.00-120.00
	0.0965	mg/L	0.100	96.50	80.00-120.00

#### Matrix Spike

Copper	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>
Lead	0.134	mg/L	0.100	94.90	80.00-120.00	0.0387	407651DW1
	0.0987	mg/L	0.100	95.10	80.00-120.00	0.00360	407651DW1

#### Matrix Spike Duplicate

Copper	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
Lead	0.132	mg/L	0.100	92.80	80.00-120.00	0.0387	1.58	20.00
	0.104	mg/L	0.100	99.90	80.00-120.00	0.00360	4.75	20.00

#### Quality Control Batch: 10410003

<b>Blank</b>		<b>Analyst: EVB</b>
Iron	<b>Result</b>	<b>Units</b>
	0.0100U	mg/L

#### Laboratory Control Sample

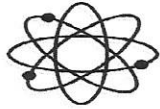
Iron	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>
	5.49	mg/L	5.00	109.88	80.00-120.00

#### Matrix Spike

Iron	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>Lab Number</b>
	5.03	mg/L	5.00	99.31	80.00-120.00	0.0639	407723DW1

#### Matrix Spike Duplicate

Iron	<b>Result</b>	<b>Units</b>	<b>Spike</b>	<b>%REC</b>	<b>%REC Lim</b>	<b>Sample</b>	<b>RPD</b>	<b>RPD Lim</b>
	5.36	mg/L	5.00	105.82	80.00-120.00	0.0639	6.28	20.00



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Palm Bay, FL 32907

PO #: n/a  
Client Project #: West Melbourne School of Science  
Date Sampled: Jul 24, 2019  
Jul 31, 2019; Invoice: 407628

## Narrative Report

### Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

### Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

### Attachments

Chain of Custody

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

