



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
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)

FDEP - Port St. Lucie
2199 S. Rock Rd.
Ft. Pierce, FL 34945

PO #: RQ-2018-05-21-24 & 23
Client Project #: SMP-Martin & Loxah, revised 8/1/18
Date Sampled: Jul 26, 2018
Jul 30, 2018; Invoice: 373028

Report Summary

Date Received: Jul 26, 2018

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
373028AQ1	Lab Blank Ecoli	SM9223B	DDB	South Lab	Water
373028AQ2	Lab Blank Entro	ENTEROLERT	DDB	South Lab	Water
373028SW1	G2SE0011	SM9223B	DDB	South Lab	Surface Water
373028SW2	G2SE0038	SM9223B	DDB	South Lab	Surface Water
373028SW3	G2SE0034	ENTEROLERT	DDB	South Lab	Surface Water
373028SW4	Lab Dup Ecoli 0011	SM9223B	DDB	South Lab	Surface Water
373028SW5	Lab Dup Entro 0034	ENTEROLERT	DDB	South Lab	Surface Water
373028SW6	G2SE0035	SM9223B	DDB	South Lab	Surface Water
373028SW7	G2SE0020	SM9223B	DDB	South Lab	Surface Water
373028SW8	G2SE0036	ENTEROLERT	DDB	South Lab	Surface Water
373028SW9	G2SE0036	SM9222 D	DDB	South Lab	Surface Water
373028SW10	G2SE0021	ENTEROLERT	DDB	South Lab	Surface Water
373028SW11	G2SE0021	SM9222 D	DDB	South Lab	Surface 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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Analysis Report

Lab #: 373028AQ1	Sampled: 07/26/18 03:40 PM	Desc: Lab Blank Ecoli								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
E. Coli	1.00 U	mpn/100mL	1.00	1.00	1.00	10378653	SM9223B		07/26/18	05:00 PM
Lab #: 373028AQ2	Sampled: 07/26/18 03:40 PM	Desc: Lab Blank Entro								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Enterococci	1.00 U	mpn/100mL	1.00	1.00	1.00	10378662	ENTEROLERT		07/26/18	04:45 PM
Lab #: 373028SW1	Sampled: 07/26/18 10:25 AM	Desc: G2SE0011								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
E. Coli	727	mpn/100mL	1.00	1.00	1.00	10378653	SM9223B		07/26/18	05:00 PM
Lab #: 373028SW2	Sampled: 07/26/18 11:30 AM	Desc: G2SE0038								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
E. Coli	49.6	mpn/100mL	1.00	1.00	1.00	10378653	SM9223B		07/26/18	05:00 PM
Lab #: 373028SW3	Sampled: 07/26/18 12:10 PM	Desc: G2SE0034								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Enterococci	571	mpn/100mL	10.0	10.0	10.0	10378662	ENTEROLERT		07/26/18	04:45 PM
Lab #: 373028SW4	Sampled: 07/26/18 03:40 PM	Desc: Lab Dup Ecoli 0011								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
E. Coli	770	mpn/100mL	1.00	1.00	1.00	10378653	SM9223B		07/26/18	05:00 PM
Lab #: 373028SW5	Sampled: 07/26/18 03:40 PM	Desc: Lab Dup Entro 0034								
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Enterococci	605	mpn/100mL	10.0	10.0	10.0	10378662	ENTEROLERT		07/26/18	04:45 PM



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Lab #: 373028SW6 Sampled: 07/26/18 01:35 PM Desc: G2SE0035										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
E. Coli	115	mpn/100mL	1.00	1.00	1.00	10378653	SM9223B		07/26/18	05:00 PM
Lab #: 373028SW7 Sampled: 07/26/18 01:50 PM Desc: G2SE0020										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
E. Coli	17.3	mpn/100mL	1.00	1.00	1.00	10378653	SM9223B		07/26/18	05:00 PM
Lab #: 373028SW8 Sampled: 07/26/18 02:30 PM Desc: G2SE0036										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Enterococci	106	mpn/100mL	10.0	10.0	10.0	10378662	ENTEROLERT		07/26/18	04:45 PM
Lab #: 373028SW9 Sampled: 07/26/18 02:30 PM Desc: G2SE0036										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	184 B	cfu/100mL	1.60	1.60	1.60	10378660	SM9222 D	E761792	07/26/18	03:45 PM
Lab #: 373028SW10 Sampled: 07/26/18 02:40 PM Desc: G2SE0021										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Enterococci	20.0	mpn/100mL	10.0	10.0	10.0	10378662	ENTEROLERT		07/26/18	04:45 PM
Lab #: 373028SW11 Sampled: 07/26/18 02:40 PM Desc: G2SE0021										
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Fecal Coliform	90.0	cfu/100mL	2.00	2.00	2.00	10378660	SM9222 D	E761792	07/26/18	03:45 PM



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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. This report is revised to correct the "Date Collected" for SW3. Results were read on 7/27/18 at 3PM for Fecal-MF (3 dilutions), 12:30PM for E.coli and 5:10PM for Enterococci.

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.