

**Work Orders:** 8G05091

**Report Date:** 10/30/2018

**Project:** COSD SDR-MST Study Dry Weather

**Received Date:** 7/5/2018

**Turnaround Time:** Normal

**Phones:** (760) 795-6984

**Fax:** (760) 931-1580

**P.O. #:** 0091590

**Attn:** Michelle Mattson

**Billing Code:**

**Client:** Weston Solutions, Inc. - Carlsbad  
5817 Dryden Place, Suite 101  
Carlsbad, CA 92008

Dear Michelle Mattson :

Enclosed are the results of analyses for samples received 7/5/2018 with the Chain-of-Custody document. The samples were received in good condition, at 2.0 °C and on ice. All analysis met the method criteria except as noted in the case narrative or in the report with data qualifiers.

## Case Narrative

SUPP report generated to change sample ID per client request. BG 10/30/18

## Sample Results

Sample: SDR-780  
8G05091-01 (Water) Sampled: 07/05/18 10:05 by Tim Pesce

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> Enterolert	<b>Batch ID:</b> W8G0679	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16	<b>Analyst:</b> kvm		
<b>Enterococcus</b>	370	1.0	MPN/100ml	1	07/06/18 17:30	
<b>Method:</b> SM 9221E	<b>Batch ID:</b> W8G0787	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16	<b>Analyst:</b> kvm		
<b>Fecal Coliform</b>	490	1.8	MPN/100ml	1	07/10/18 09:45	
<b>Method:</b> SM 9223B	<b>Batch ID:</b> W8G0679	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16	<b>Analyst:</b> kvm		
<b>E. coli</b>	110	1.0	MPN/100ml	1	07/06/18 17:30	

Sample: MS4-SDR-207  
8G05091-02 (Water) Sampled: 07/05/18 10:35 by Tim Pesce

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> Enterolert	<b>Batch ID:</b> W8G0679	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16	<b>Analyst:</b> kvm		
<b>Enterococcus</b>	600	10	MPN/100ml	10	07/06/18 17:30	
<b>Method:</b> SM 9221E	<b>Batch ID:</b> W8G0787	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16	<b>Analyst:</b> kvm		
<b>Fecal Coliform</b>	450	1.8	MPN/100ml	1	07/10/18 09:45	
<b>Method:</b> SM 9223B	<b>Batch ID:</b> W8G0679	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16	<b>Analyst:</b> kvm		
<b>E. coli</b>	410	1.0	MPN/100ml	1	07/06/18 17:30	



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# Certificate of Analysis

FINAL REPORT

## Sample Results

(Continued)

Sample: MS4-SDR-098  
8G05091-03 (Water) Sampled: 07/05/18 10:55 by Tim Pesce

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Method:</b> Enterolert	<b>Batch ID:</b> W8G0679	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16		<b>Analyst:</b> kvm	
Enterococcus	>241960	100	MPN/100ml	100	07/06/18 17:30	
<b>Method:</b> SM 9221E	<b>Batch ID:</b> W8G0787	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16		<b>Analyst:</b> kvm	
<b>Fecal Coliform</b>	<b>160000</b>	1.8	MPN/100ml	1	07/10/18 09:45	
<b>Method:</b> SM 9223B	<b>Batch ID:</b> W8G0679	<b>Instr:</b> Inst	<b>Prepared:</b> 07/05/18 17:16		<b>Analyst:</b> kvm	
<b>E. coli</b>	<b>160000</b>	100	MPN/100ml	100	07/06/18 17:30	

## Notes and Definitions


Item	Definition
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

Any remaining sample(s) will be disposed of one month from the final report date unless other arrangements are made in advance.  
 An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)  
 All results are expressed on wet weight basis unless otherwise specified.  
 All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

## Certified Analyses Summary

Analyte	CAS #	Not Accredited By	Accredited By
<b>Enterolert in Water</b> Enterococcus		NELAP	
<b>SM 9221E in Water</b> Fecal Coliform		NELAP	
<b>SM 9223B in Water</b> E. coli		NELAP	

Reviewed by:



Brandon Gee For Kim G. Tu  
Project Manager



ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 •  
 NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

*This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.*