

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** 7J02009

**Report Date:** 10/06/2017

**Received Date:** 10/2/2017

**Project:** City of Paramount

**Turnaround Time:** 5 workdays

**Phones:** (562) 275-4252

**Fax:** (562) 921-6101

**Attn:** Charlene King

**P.O. #:**

**Client:** Water Replenishment District  
4040 Paramount Blvd.  
Lakewood, CA 90712

**Billing Code:**

DoD-ELAP #L2457 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • 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.*

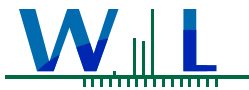
Dear Charlene King,

Enclosed are the results of analyses for samples received 10/02/17 with the Chain-of-Custody document. The samples were received in good condition, at 2.3 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

**Reviewed by:**

Valerie Rejuso  
Project Manager





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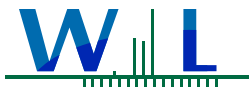
**Reported:**

10/06/2017 11:15

**Project Manager:** Charlene King

## Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Carlos Navarro	7J02009-01	Water	10/02/17 11:22	
1910105022W13D/Well 13 Disinfection Station	Carlos Navarro	7J02009-02	Water	10/02/17 11:01	
1910105023W14D/Well 14 Disinfection Station	Carlos Navarro	7J02009-03	Water	10/02/17 10:16	
1910105994/DSMRT for Well 15	Carlos Navarro	7J02009-04	Water	10/02/17 11:15	
1910105024W15D/Well 15 Disinfection Station	Carlos Navarro	7J02009-05	Water	10/02/17 11:30	
1910105991/DSMRT for MWD	Carlos Navarro	7J02009-06	Water	10/02/17 11:09	
1910105992/DSMRT for Well 13	Carlos Navarro	7J02009-07	Water	10/02/17 10:35	
1910105993/DSMRT for Well 14	Carlos Navarro	7J02009-08	Water	10/02/17 10:25	



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## Sample Results

Sample: 1910105020/EPTDS from MWD  
7J02009-01 (Water) Sampled: 10/02/17 11:22 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
Method: EPA 218.6	Batch ID: W7J0019	Prepared: 10/04/17 11:04	Analyst: dil			
Chromium 6+	0.055	0.020	ug/l	1	10/05/17 16:03	

Sample: 1910105022W13D/Well 13 Disinfection Station  
7J02009-02 (Water) Sampled: 10/02/17 11:01 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
Method: EPA 218.6	Batch ID: W7J0019	Prepared: 10/04/17 11:04	Analyst: dil			
Chromium 6+	0.19	0.020	ug/l	1	10/05/17 16:15	

Sample: 1910105023W14D/Well 14 Disinfection Station  
7J02009-03 (Water) Sampled: 10/02/17 10:16 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
Method: EPA 218.6	Batch ID: W7J0019	Prepared: 10/04/17 11:04	Analyst: dil			
Chromium 6+	0.15	0.020	ug/l	1	10/05/17 16:26	

Sample: 1910105994/DSMRT for Well 15  
7J02009-04 (Water) Sampled: 10/02/17 11:15 by Carlos Navarro

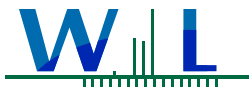
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
Method: EPA 218.6	Batch ID: W7J0019	Prepared: 10/04/17 11:04	Analyst: dil			
Chromium 6+	ND	0.020	ug/l	1	10/05/17 16:38	

Sample: 1910105024W15D/Well 15 Disinfection Station  
7J02009-05 (Water) Sampled: 10/02/17 11:30 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
Method: EPA 218.6	Batch ID: W7J0019	Prepared: 10/04/17 11:04	Analyst: dil			
Chromium 6+	ND	0.020	ug/l	1	10/05/17 17:47	

Sample: 1910105991/DSMRT for MWD  
7J02009-06 (Water) Sampled: 10/02/17 11:09 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
Method: EPA 218.6	Batch ID: W7J0019	Prepared: 10/04/17 11:04	Analyst: dil			
Chromium 6+	ND	0.020	ug/l	1	10/05/17 17:59	



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## Sample Results

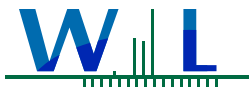
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Sample: 1910105992/DSMRT for Well 13  
7J02009-07 (Water) Sampled: 10/02/17 10:35 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
<b>Method:</b> EPA 218.6		<b>Batch ID:</b> W7J0019		<b>Prepared:</b> 10/04/17 11:04		<b>Analyst:</b> dil
<b>Chromium 6+</b>	0.041	0.020	ug/l	1	10/05/17 18:10	

Sample: 1910105993/DSMRT for Well 14  
7J02009-08 (Water) Sampled: 10/02/17 10:25 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
<b>Hexavalent Chromium by IC</b>						
<b>Method:</b> EPA 218.6		<b>Batch ID:</b> W7J0019		<b>Prepared:</b> 10/04/17 11:04		<b>Analyst:</b> dil
<b>Chromium 6+</b>	0.15	0.020	ug/l	1	10/05/17 18:22	



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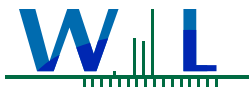
10/06/2017 11:15

**Project Manager:** Charlene King

## Quality Control Results

### Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
<b>Batch: W7J0019 - EPA 218.6</b>										
<b>Blank (W7J0019-BLK1)</b>										
Chromium 6+	ND	0.020	ug/l							
				<b>Prepared: 10/04/17 Analyzed: 10/05/17</b>						
<b>LCS (W7J0019-BS1)</b>										
Chromium 6+	5.42	0.020	ug/l	5.00		108	90-110			
				<b>Prepared: 10/04/17 Analyzed: 10/05/17</b>						
<b>Matrix Spike (W7J0019-MS1)</b>										
Chromium 6+	5.01	0.020	ug/l	5.00		100	88-112			
				<b>Prepared: 10/04/17 Analyzed: 10/05/17</b>						
<b>Matrix Spike (W7J0019-MS2)</b>										
Chromium 6+	8.33	0.020	ug/l	5.00	3.17	103	88-112			
				<b>Prepared: 10/04/17 Analyzed: 10/05/17</b>						
<b>Matrix Spike Dup (W7J0019-MSD1)</b>										
Chromium 6+	5.27	0.020	ug/l	5.00		105	88-112	5	10	
				<b>Prepared: 10/04/17 Analyzed: 10/05/17</b>						
<b>Matrix Spike Dup (W7J0019-MSD2)</b>										
Chromium 6+	8.26	0.020	ug/l	5.00	3.17	102	88-112	0.9	10	



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## 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.



Wack Laboratories, Inc.  
Analytical Laboratory Services - Since 1964

# CHAIN OF CUSTODY RECORD

14859 East Clark Avenue : Industry : CA 91745  
Tel 626-336-2139 ♦ Fax 626-336-2634 ♦ www.wacklabs.com

STANDARD 7502009

Page 1 of 1

CLIENT NAME: Water Replenishment District

PROJECT: City of Paramount

SPECIAL HANDLING

ADDRESS: 4040 Paramount Blvd  
Lakewood, Ca 90712

PHONE: 562-921-5521  
FAX:  
EMAIL: cking@wrtd.org

- Same Day Rush 150%
- 24 Hour Rush 100%
- 48-72 Hour Rush 75%
- 4 - 5 Day Rush 30%
- Rush Extractions 50%
- 10 - 15 Business Days
- QAIQC Data Package

PROJECT MANAGER: Charlene King

SAMPLER: Weck

Charges will apply for weekends/holidays  
Method of Shipment:  
COMMENTS

ID# (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	ANALYSES REQUESTED	FIELD TEMPERATURE	COMMENTS	SAMPLE TYPE CODE
106217	11/02		GW	1910105020/EPTDS from MWD	1		24.6c		
	11/01		GW	1910105022W13D/Well 13	1		22.3c		
	10/10		GW	1910105023W14D/Well 14	1		21.5c		
	11/15		GW	1910105994/DISMRT for Well 15	1		24.2c		
	11/30		GW	1910105024W15D/Well 15	1		24.1c		
	11/09		GW	1910105991/DISMRT for MWD	1		23.9c		
	10/25		GW	1910105992/DISMRT for Well 13	1		24.9c		
	10/25		GW	1910105993/DISMRT for Well 14	1		24.1c		

RELINQUISHED BY: [Signature]

RECEIVED BY: [Signature]

DATE / TIME: 10/21/17 3:30

RELINQUISHED BY:

RECEIVED BY:

DATE / TIME:

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS

SPECIAL REQUIREMENTS / BILLING INFORMATION

Client agrees to Terms & Conditions at www.wacklabs.com