

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7C06076

Report Date: 3/08/2017

Received Date: 3/6/2017

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:

ELAP-CA #1132 • EPA-UCMR #CA00211 • LACSD #10143 • NJ-DEP #CA015 • NV-DEP #NAC 445A

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.

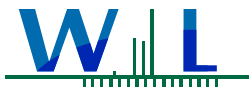
Dear Charlene King,

Enclosed are the results of analyses for samples received 3/06/17 with the Chain-of-Custody document. The samples were received in good condition, at 0.9 °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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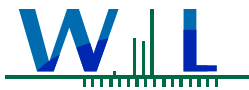
Reported:

03/08/2017 11:16

Project Manager: Charlene King

Sample Summary

Sample ID	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/ EPTDS from MWD	Carlos Navarro	7C06076-01	Water	03/06/17 11:11	
1910105022W13D/ Well 13 Disinfection Station	Carlos Navarro	7C06076-02	Water	03/06/17 10:47	
1910105023W14D/ Well 14 Disinfection Station	Carlos Navarro	7C06076-03	Water	03/06/17 10:16	
1910105994/ DSMRT for Well 15	Carlos Navarro	7C06076-04	Water	03/06/17 11:31	
1910105024W15D/ Well 15 Disinfection Station	Carlos Navarro	7C06076-05	Water	03/06/17 11:20	
1910105991/ DSMRT for MWD	Carlos Navarro	7C06076-06	Water	03/06/17 11:39	
1910105992/ DSMRT for Well 13	Carlos Navarro	7C06076-07	Water	03/06/17 10:57	
1910105993/ DSMRT for Well 14	Carlos Navarro	7C06076-08	Water	03/06/17 10:26	



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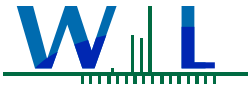
Project Manager: Charlene King

Sample Results

Sample: 1910105020/ EPTDS from MWD
7C06076-01 (Water)

Sampled: 03/06/17 11:11 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	0.11	0.020	ug/l	1	03/06/17 18:00	



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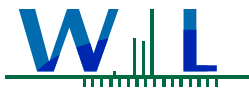
Sample Results

(Continued)

Sample: 1910105022W13D/ Well 13 Disinfection Station
7C06076-02 (Water)

Sampled: 03/06/17 10:47 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	1.4	0.020	ug/l	1	03/06/17 18:00	



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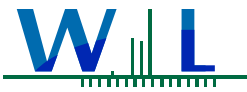
Sample Results

(Continued)

Sample: 1910105023W14D/ Well 14 Disinfection Station
7C06076-03 (Water)

Sampled: 03/06/17 10:16 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	0.20	0.020	ug/l	1	03/06/17 18:00	



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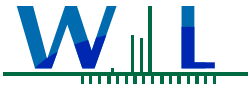
Sample Results

(Continued)

Sample: 1910105994/ DSMRT for Well 15
7C06076-04 (Water)

Sampled: 03/06/17 11:31 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	0.084	0.020	ug/l	1	03/06/17 18:00	



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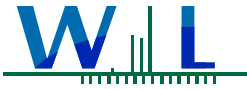
Sample Results

(Continued)

Sample: 1910105024W15D/ Well 15 Disinfection Station
7C06076-05 (Water)

Sampled: 03/06/17 11:20 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	0.086	0.020	ug/l	1	03/06/17 18:00	



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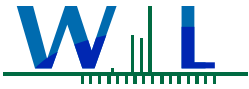
Sample Results

(Continued)

Sample: 1910105991/ DSMRT for MWD
7C06076-06 (Water)

Sampled: 03/06/17 11:39 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33				Analyst: blg
Chromium 6+	0.051	0.020	ug/l	1	03/06/17 18:00	



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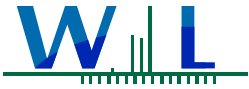
Sample Results

(Continued)

Sample: 1910105992/ DSMRT for Well 13
7C06076-07 (Water)

Sampled: 03/06/17 10:57 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	0.095	0.020	ug/l	1	03/06/17 18:00	



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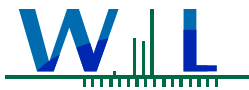
Sample Results

(Continued)

Sample: 1910105993/ DSMRT for Well 14
7C06076-08 (Water)

Sampled: 03/06/17 10:26 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7C0314	Prepared: 03/06/17 17:33	Analyst: blg			
Chromium 6+	0.22	0.020	ug/l	1	03/06/17 18:00	



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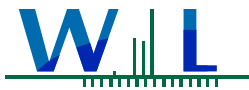
03/08/2017 11:16

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
Batch: W7C0314 - EPA 218.6										
Blank (W7C0314-BLK1)										
Chromium 6+	ND	0.020	ug/l							
Prepared & Analyzed: 03/06/17										
LCS (W7C0314-BS1)										
Chromium 6+	5.30	0.020	ug/l	5.00		106	90-110			
Prepared & Analyzed: 03/06/17										
Matrix Spike (W7C0314-MS1)										
Chromium 6+	5.11	0.020	ug/l	5.00	ND	102	88-112			
Source: 7B23040-01 Prepared & Analyzed: 03/06/17										
Matrix Spike (W7C0314-MS2)										
Chromium 6+	5.31	0.020	ug/l	5.00	ND	106	88-112			
Source: 7B23040-04 Prepared & Analyzed: 03/06/17										
Matrix Spike Dup (W7C0314-MSD1)										
Chromium 6+	5.09	0.020	ug/l	5.00	ND	102	88-112	0.3	10	
Source: 7B23040-01 Prepared & Analyzed: 03/06/17										
Matrix Spike Dup (W7C0314-MSD2)										
Chromium 6+	4.94	0.020	ug/l	5.00	ND	99	88-112	7	10	
Source: 7B23040-04 Prepared & Analyzed: 03/06/17										



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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 MIS002.



Weck Laboratories, Inc.
Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

STANDARD *1006076*

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

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Water Replenishment District
ADDRESS: City of Paramount
4040 Paramount Blvd PHONE: 562-921-5521
Lakewood, Ca 90712 FAX:
EMAIL: cking@wrd.org

PROJECT MANAGER: Charlene King
SAMPLER: *Chasen*
Weck

ID#	DATE SAMPLED	TIME SAMPLED	SAMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT	ANALYSES REQUESTED	SPECIAL HANDLING
							<input type="checkbox"/> Same Day Rush 150% <input type="checkbox"/> 24 Hour Rush 100% <input type="checkbox"/> 48-72 Hour Rush 75% <input type="checkbox"/> 4 - 5 Day Rush 30% <input type="checkbox"/> Rush Extractions 50% <input type="checkbox"/> 10 - 15 Business Days <input type="checkbox"/> QAI/QC Data Package

	<i>3-26-17</i>	<i>1111</i>	GW	1910105020/EPTDS from MWD	<i>2</i>		Fld Temp <i>18.0</i>
		<i>1047</i>	GW	1910105022W13D/Well 13 Disinfection Station			Fld Temp <i>18.3</i>
		<i>1016</i>	GW	1910105023W14D/Well 14 Disinfection Station			Fld Temp <i>19.1</i>
		<i>1131</i>	GW	1910105994/DSMRT for Well 15			Fld Temp <i>20.3</i>
		<i>1120</i>	GW	1910105024W15D/Well 15 Disinfection Station			Fld Temp <i>20.6</i>
		<i>1139</i>	GW	1910105991/DSMRT for MWD			Fld Temp <i>20.1</i>
		<i>1057</i>	GW	1910105992/DSMRT for Well 13			Fld Temp <i>19.4</i>
		<i>1026</i>	GW	1910105993/DSMRT for Well 14			Fld Temp <i>19.5</i>

RELINQUISHED BY	DATE / TIME	RECEIVED BY	DATE / TIME	SAMPLE CONDITION:	SAMPLE TYPE CODE:
<i>[Signature]</i>	<i>3-26-17 3:15</i>	<i>[Signature]</i>	<i>3/16/17 15:15</i>	Actual Temperature <i>0.9c</i>	<input type="checkbox"/> AQ=Aqueous <input type="checkbox"/> NA= Non Aqueous <input type="checkbox"/> SL= Sludge <input type="checkbox"/> DW= Drinking Water <input type="checkbox"/> WW= Waste Water <input type="checkbox"/> RW= Rain Water <input type="checkbox"/> GW= Ground Water <input type="checkbox"/> SO= Soil <input type="checkbox"/> SW= Solid Waste <input type="checkbox"/> OL= Oil <input type="checkbox"/> OT= Other Matrix

RELINQUISHED BY: *[Signature]* DATE / TIME: *3-26-17 3:15* RECEIVED BY: *[Signature]* DATE / TIME: *3/16/17 15:15*

RECEIVED BY: *[Signature]* DATE / TIME: *3/16/17 15:15*

PRESCHEДУED RUSH ANALYSES WILL TAKE PRIORITY
OVER UNSCHEDULED RUSH REQUESTS

SPECIAL REQUIREMENTS / BILLING INFORMATION