

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7D03035

Report Date: 4/17/2017

Received Date: 4/3/2017

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.

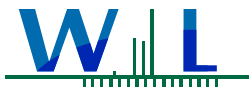
Dear Charlene King,

Enclosed are the results of analyses for samples received 4/03/17 with the Chain-of-Custody document. The samples were received in good condition, at 3.1 °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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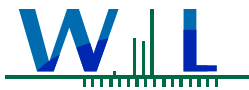
Reported:

04/17/2017 12:13

Project Manager: Charlene King

Sample Summary

Sample ID	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/ EPTDS from MWD	Carlos Navarro (wecklabs)	7D03035-01RE1	Water	04/03/17 11:52	
1910105022W13D/ Well 13 Disinfection Station	Carlos Navarro (wecklabs)	7D03035-02	Water	04/03/17 10:59	
1910105023W14D/ Well 14 Disinfection Station	Carlos Navarro (wecklabs)	7D03035-03	Water	04/03/17 10:26	
1910105994/ DSMRT for Well 15	Carlos Navarro (wecklabs)	7D03035-04	Water	04/03/17 12:12	
1910105024W15D/ Well 15 Disinfection Station	Carlos Navarro (wecklabs)	7D03035-05RE1	Water	04/03/17 12:03	
1910105991/ DSMRT for MWD	Carlos Navarro (wecklabs)	7D03035-06	Water	04/03/17 12:19	
1910105992/ DSMRT for Well 13	Carlos Navarro (wecklabs)	7D03035-07	Water	04/03/17 10:48	
1910105993/ DSMRT for Well 14	Carlos Navarro (wecklabs)	7D03035-08	Water	04/03/17 10:39	



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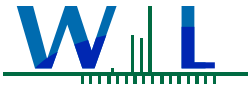
Project Manager: Charlene King

Sample Results

Sample: 1910105020/ EPTDS from MWD
7D03035-01RE1 (Water)

Sampled: 04/03/17 11:52 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0382	Prepared: 04/07/17 16:39	Analyst: blg			
Chromium 6+	0.058	0.020	ug/l	1	04/07/17 17:00	



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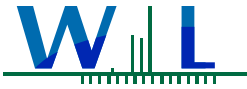
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04/17/2017 12:13

Sample Results

(Continued)

Sample: 1910105022W13D/ Well 13 Disinfection Station Sampled: 04/03/17 10:59 by Carlos Navarro (wecklabs)
7D03035-02 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0053	Prepared: 04/03/17 13:12	Analyst: blg			
Chromium 6+	0.084	0.020	ug/l	1	04/03/17 14:00	



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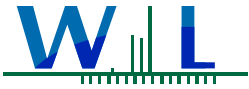
Reported:
04/17/2017 12:13

Sample Results

(Continued)

Sample: 1910105023W14D/ Well 14 Disinfection Station Sampled: 04/03/17 10:26 by Carlos Navarro (wecklabs)
7D03035-03 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0053	Prepared: 04/03/17 13:12	Analyst: blg			
Chromium 6+	0.14	0.020	ug/l	1	04/03/17 14:00	



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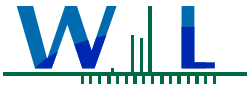
Sample Results

(Continued)

Sample: 1910105994/ DSMRT for Well 15
7D03035-04 (Water)

Sampled: 04/03/17 12:12 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0053	Prepared: 04/03/17 13:12	Analyst: blg			
Chromium 6+	0.054	0.020	ug/l	1	04/03/17 14:00	



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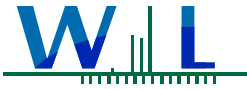
Project Manager: Charlene King

Sample Results

(Continued)

Sample: 1910105024W15D/ Well 15 Disinfection Station Sampled: 04/03/17 12:03 by Carlos Navarro (wecklabs)
7D03035-05RE1 (Water)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0382	Prepared: 04/07/17 16:39	Analyst: blg			
Chromium 6+	0.039	0.020	ug/l	1	04/07/17 17:00	



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04/17/2017 12:13

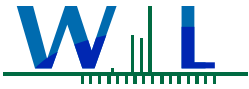
Sample Results

(Continued)

Sample: 1910105991/ DSMRT for MWD
7D03035-06 (Water)

Sampled: 04/03/17 12:19 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0053	Prepared: 04/03/17 13:12	Analyst: blg			
Chromium 6+	0.11	0.020	ug/l	1	04/03/17 14:00	



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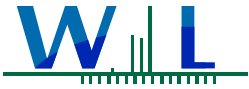
Sample Results

(Continued)

Sample: 1910105992/ DSMRT for Well 13
7D03035-07 (Water)

Sampled: 04/03/17 10:48 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0053	Prepared: 04/03/17 13:12	Analyst: blg			
Chromium 6+	0.13	0.020	ug/l	1	04/03/17 14:00	



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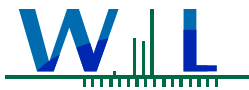
Sample Results

(Continued)

Sample: 1910105993/ DSMRT for Well 14
7D03035-08 (Water)

Sampled: 04/03/17 10:39 by Carlos Navarro (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W7D0053	Prepared: 04/03/17 13:12	Analyst: blg			
Chromium 6+	0.22	0.020	ug/l	1	04/03/17 14:00	



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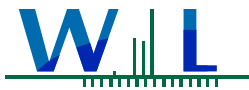
04/17/2017 12:13

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: W7D0053 - EPA 218.6										
Blank (W7D0053-BLK1) Prepared & Analyzed: 04/03/17										
Chromium 6+	ND	0.050	ug/l							
LCS (W7D0053-BS1) Prepared & Analyzed: 04/03/17										
Chromium 6+	5.22	0.050	ug/l	5.00		104	90-110			
Duplicate (W7D0053-DUP1) Source: 7C30054-01 Prepared & Analyzed: 04/03/17										
Chromium 6+	0.0593	0.050	ug/l		0.0540			9	10	
Matrix Spike (W7D0053-MS1) Source: 7C28081-03 Prepared & Analyzed: 04/03/17										
Chromium 6+	9.06	0.050	ug/l	5.00	3.85	104	88-112			
Matrix Spike (W7D0053-MS2) Source: 7C30054-01 Prepared & Analyzed: 04/03/17										
Chromium 6+	5.18	0.050	ug/l	5.00	0.0540	103	88-112			
Matrix Spike Dup (W7D0053-MSD1) Source: 7C28081-03 Prepared & Analyzed: 04/03/17										
Chromium 6+	9.19	0.050	ug/l	5.00	3.85	107	88-112	2	10	
Matrix Spike Dup (W7D0053-MSD2) Source: 7C30054-01 Prepared & Analyzed: 04/03/17										
Chromium 6+	5.14	0.050	ug/l	5.00	0.0540	102	88-112	0.9	10	
Batch: W7D0382 - EPA 218.6										
Blank (W7D0382-BLK1) Prepared & Analyzed: 04/07/17										
Chromium 6+	ND	0.020	ug/l							
LCS (W7D0382-BS1) Prepared & Analyzed: 04/07/17										
Chromium 6+	5.30	0.020	ug/l	5.00		106	90-110			



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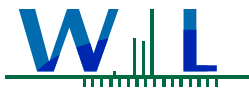
Project Manager: Charlene King

Quality Control Results

(Continued)

Hexavalent Chromium by IC (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W7D0382 - EPA 218.6 (Continued)										
Matrix Spike (W7D0382-MS1) Chromium 6+	7.35	0.020	ug/l	5.00	2.27	102	88-112			
Source: 7D06013-01		Prepared & Analyzed: 04/07/17								
Matrix Spike (W7D0382-MS2) Chromium 6+	8.15	0.020	ug/l	5.00	3.06	102	88-112			
Source: 7D06032-01		Prepared & Analyzed: 04/07/17								
Matrix Spike Dup (W7D0382-MSD1) Chromium 6+	7.45	0.020	ug/l	5.00	2.27	103	88-112	1	10	
Source: 7D06013-01		Prepared & Analyzed: 04/07/17								
Matrix Spike Dup (W7D0382-MSD2) Chromium 6+	8.33	0.020	ug/l	5.00	3.06	105	88-112	2	10	
Source: 7D06032-01		Prepared & Analyzed: 04/07/17								



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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 7203035

Page 1 of 1

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

CLIENT NAME: PROJECT:

ANALYSES REQUESTED

Water Replenishment District City of Paramount

ADDRESS: PHONE: 562-921-5521

4040 Paramount Blvd FAX:

Lakewood, Ca 90712 EMAIL: cking@wrpd.org

PROJECT MANAGER: SAMPLER: Jackson

Charlene King Weck

ID#	DATE SAMPLED	TIME SAMPLED	SAMPLER	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	ANALYSES REQUESTED	SPECIAL HANDLING
4-347	11-52	GW	1910105020/EPTDS from MWD	1	X		Same Day Rush 150%
	1059	GW	1910105022W13DWWell 13	1	X		24 Hour Rush 100%
	1026	GW	1910105023W14DWWell 14	1	X		48-72 Hour Rush 75%
	1212	GW	1910105994/DSMRT for Well 15	1	X		4 - 5 Day Rush 30%
	1203	GW	1910105024W15DWWell 15	1	X		Rush Extractions 50%
	1048	GW	1910105991/DSMRT for MWD	1	X		10 - 15 Business Days
	1039	GW	1910105992/DSMRT for Well 13	1	X		QA/QC Data Package
			1910105993/DSMRT for Well 14	1	X		Charges will apply for weekends/holidays

Method of Shipment: COMMENTS

Fld Temp 19.8 F

Fld Temp 20.9 F

Fld Temp 20.3 F

Fld Temp 22.1 F

Fld Temp 22.1 F

Fld Temp 21.5 F

Fld Temp 21.5 F

Fld Temp 21.5 F

RELINQUISHED BY: [Signature]

DATE / TIME: 4-347 305

RECEIVED BY: [Signature] 4/3/17 1505

SAMPLE CONDITION: 3.1°C
Actual Temperature: 3.1°C

RELINQUISHED BY: DATE / TIME: RECEIVED BY: SAMPLE TYPE CODE:

RELINQUISHED BY: DATE / TIME: RECEIVED BY: SAMPLE TYPE CODE:

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS

Client agrees to Terms & Conditions at: www.wecklabs.com