



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 6L20118

Report Date: 1/05/2017

Received Date: 12/20/2016

Project: City of Paramount

Turnaround Time: Normal

Phones: (562) 275-4252

Fax: (562) 921-6101

P.O. #:

Attn: Charlene King

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

ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • LACSD #10143 • NELAP-OR #4047 • 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 12/20/16 with the Chain-of-Custody document. The samples were received in good condition, at 1.4 °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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Project Number: City of Paramount

Project Manager: Charlene King

Reported:
01/05/2017 17:46

Sample Summary

Sample ID	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Jim Gibbons	6L20118-01	Water	12/20/16 12:43	
1910105022W13D/Well 13 Disinfection Station	Jim Gibbons	6L20118-02	Water	12/20/16 11:46	
1910105023W14D/Well 14 Disinfection Station	Jim Gibbons	6L20118-03	Water	12/20/16 11:22	
1910105994/DSMRT for Well 15	Jim Gibbons	6L20118-04	Water	12/20/16 12:34	
1910105024W15D/Well 15 Disinfection Station	Jim Gibbons	6L20118-05	Water	12/20/16 12:15	
1910105991/DSMRT for MWD	Jim Gibbons	6L20118-06	Water	12/20/16 12:55	
1910105992/DSMRT for Well 13	Jim Gibbons	6L20118-07	Water	12/20/16 12:01	
1910105993/DSMRT for Well 14	Jim Gibbons	6L20118-08	Water	12/20/16 11:36	



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Sample Results

Sample: 1910105020/EPTDS from MWD
6L20118-01 (Water)

Sampled: 12/20/16 12:43 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

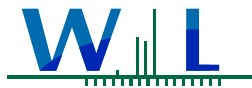
Method: EPA 218.6

Batch ID: W6L2644

Prepared: 12/30/16 00:00

Analyst: blg

Chromium 6+	0.079	0.020	ug/l	1	12/30/16 00:30	
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Sample Results

(Continued)

Sample: 1910105022W13D/Well 13 Disinfection Station
6L20118-02 (Water)

Sampled: 12/20/16 11:46 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

Method: EPA 218.6

Batch ID: W6L2552

Prepared: 12/29/16 07:59

Analyst: blg

Chromium 6+	0.092	0.020	ug/l	1	12/29/16 10:00	
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Sample Results

(Continued)

Sample: 1910105023W14D/Well 14 Disinfection Station
6L20118-03 (Water)

Sampled: 12/20/16 11:22 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

Method: EPA 218.6

Batch ID: W6L2552

Prepared: 12/29/16 07:59

Analyst: blg

Chromium 6+	0.20	0.020	ug/l	1	12/29/16 10:00	
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Sample Results

(Continued)

Sample: 1910105994/DSMRT for Well 15
6L20118-04 (Water)

Sampled: 12/20/16 12:34 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

Method: EPA 218.6

Batch ID: W6L2644

Prepared: 12/30/16 00:00

Analyst: blg

Chromium 6+	0.044	0.020	ug/l	1	12/30/16 00:30	
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Sample Results

(Continued)

Sample: 1910105024W15D/Well 15 Disinfection Station
6L20118-05 (Water)

Sampled: 12/20/16 12:15 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

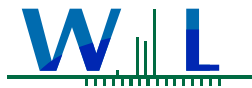
Method: EPA 218.6

Batch ID: W6L2552

Prepared: 12/29/16 07:59

Analyst: blg

Chromium 6+	0.025	0.020	ug/l	1	12/29/16 10:00	
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Sample Results

(Continued)

Sample: 1910105991/DSMRT for MWD
6L20118-06 (Water) Sampled: 12/20/16 12:55 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

Method: EPA 218.6	Batch ID: W6L2644	Prepared: 12/30/16 00:00	Analyst: blg
Chromium 6+	0.058	0.020 ug/l	1 12/30/16 00:30



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Sample Results

(Continued)

Sample: 1910105992/DSMRT for Well 13
6L20118-07 (Water)

Sampled: 12/20/16 12:01 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

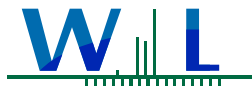
Method: EPA 218.6

Batch ID: W6L2552

Prepared: 12/29/16 07:59

Analyst: blg

Chromium 6+	0.10	0.020	ug/l	1	12/29/16 10:00	
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Sample Results

(Continued)

Sample: 1910105993/DSMRT for Well 14
6L20118-08 (Water) Sampled: 12/20/16 11:36 by Jim Gibbons

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
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Hexavalent Chromium by IC

Method: EPA 218.6	Batch ID: W6L2552	Prepared: 12/29/16 07:59	Analyst: blg
Chromium 6+	0.20	0.020 ug/l	1 12/29/16 10:00



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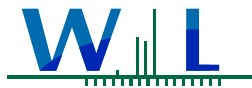
Project Manager: Charlene King

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01/05/2017 17:46

Quality Control Results

Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W6L2552 - EPA 218.6										
LCS (W6L2552-BS1)				Prepared & Analyzed: 12/29/16						
Chromium 6+ - - - - -	4.76	0.020	ug/l	5.00		95	90-110			
Matrix Spike (W6L2552-MS1)				Source: 6L16061-01 Prepared & Analyzed: 12/29/16						
Chromium 6+ - - - - -	4.90	0.020	ug/l	5.00	0.158	95	88-112			
Matrix Spike (W6L2552-MS2)				Source: 6L16061-02 Prepared & Analyzed: 12/29/16						
Chromium 6+ - - - - -	4.86	0.020	ug/l	5.00	0.0359	97	88-112			
Matrix Spike Dup (W6L2552-MSD1)				Source: 6L16061-01 Prepared & Analyzed: 12/29/16						
Chromium 6+ - - - - -	5.89	0.020	ug/l	5.00	0.158	115	88-112	18	10	MS-05
Matrix Spike Dup (W6L2552-MSD2)				Source: 6L16061-02 Prepared & Analyzed: 12/29/16						
Chromium 6+ - - - - -	4.93	0.020	ug/l	5.00	0.0359	98	88-112	1	10	
Batch: W6L2644 - EPA 218.6										
Blank (W6L2644-BLK1)				Prepared: 12/30/16 Analyzed: 01/05/17						
Chromium 6+ - - - - -	ND	0.020	ug/l							
LCS (W6L2644-BS1)				Prepared & Analyzed: 12/30/16						
Chromium 6+ - - - - -	4.66	0.020	ug/l	5.00		93	90-110			
LCS Dup (W6L2644-BSD1)				Prepared & Analyzed: 12/30/16						
Chromium 6+ - - - - -	4.79	0.020	ug/l	5.00		96	90-110	3	10	
Matrix Spike (W6L2644-MS1)				Source: 6L20118-01 Prepared & Analyzed: 12/30/16						
Chromium 6+ - - - - -	4.99	0.020	ug/l	5.00	0.0786	98	88-112			



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Quality Control Results

(Continued)

Hexavalent Chromium by IC (Continued)

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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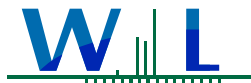
Batch: W6L2644 - EPA 218.6 (Continued)

Matrix Spike Dup (W6L2644-MSD1)

Source: 6L20118-01

Prepared & Analyzed: 12/30/16

Chromium 6+ - - - - -	4.71	0.020	ug/l	5.00	0.0786	93	88-112	6	10	
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Notes and Definitions

Item	Definition
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
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.

