

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8D02009

Report Date: 4/06/2018

Project: City of Paramount

Received Date: 4/2/2018

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 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • ISO 17025 #L2457.01 • LACSD #10143 • NJ-DEP #CA015

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.

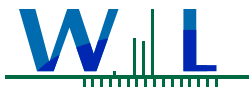
Dear Charlene King,

Enclosed are the results of analyses for samples received 4/02/18 with the Chain-of-Custody document. The samples were received in good condition, at 1.8 °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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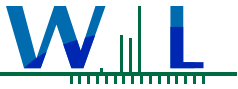
Reported:

04/06/2018 09:58

Project Manager: Charlene King

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Carlos Navarro	8D02009-01	Water	04/02/18 10:56	
1910105022W13D/Well 13 Disinfection Station	Carlos Navarro	8D02009-02	Water	04/02/18 10:32	
1910105994/DSMRT for Well 15	Carlos Navarro	8D02009-04	Water	04/02/18 10:46	
1910105024W15D/Well 15 Disinfection Station	Carlos Navarro	8D02009-05	Water	04/02/18 11:06	
1910105991/DSMRT for MWD	Carlos Navarro	8D02009-06	Water	04/02/18 10:39	
1910105992/DSMRT for Well 13	Carlos Navarro	8D02009-07	Water	04/02/18 10:19	
1910105993/DSMRT for Well 14	Carlos Navarro	8D02009-08	Water	04/02/18 10:07	



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Sample Results

Sample: 1910105020/EPTDS from MWD
8D02009-01 (Water) Sampled: 04/02/18 10:56 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	0.18	0.10	ug/l	5	04/05/18 13:17	

Sample: 1910105022W13D/Well 13 Disinfection Station
8D02009-02 (Water) Sampled: 04/02/18 10:32 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	0.14	0.10	ug/l	5	04/05/18 13:28	

Sample: 1910105994/DSMRT for Well 15
8D02009-04 (Water) Sampled: 04/02/18 10:46 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	ND	0.10	ug/l	5	04/05/18 13:40	M-05

Sample: 1910105024W15D/Well 15 Disinfection Station
8D02009-05 (Water) Sampled: 04/02/18 11:06 by Carlos Navarro

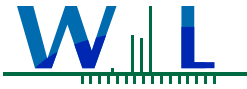
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	0.30	0.10	ug/l	5	04/05/18 13:52	

Sample: 1910105991/DSMRT for MWD
8D02009-06 (Water) Sampled: 04/02/18 10:39 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	0.17	0.10	ug/l	5	04/05/18 14:04	

Sample: 1910105992/DSMRT for Well 13
8D02009-07 (Water) Sampled: 04/02/18 10:19 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	0.15	0.10	ug/l	5	04/05/18 14:15	



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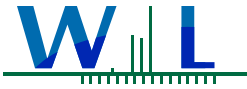
Sample Results

(Continued)

Sample: 1910105993/DSMRT for Well 14
8D02009-08 (Water)

Sampled: 04/02/18 10:07 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8D0299	Instr: LC13	Prepared: 04/05/18 09:18	Analyst: dil		
Chromium 6+	0.13	0.10	ug/l	5	04/05/18 14:27	



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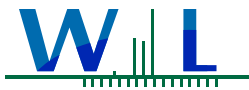
04/06/2018 09:58

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Quality Control Results

Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	RPD Limit	Qualifier
Batch: W8D0299 - EPA 218.6										
Blank (W8D0299-BLK1)				Prepared & Analyzed: 04/05/18						
Chromium 6+	ND	0.020	ug/l							
LCS (W8D0299-BS1)				Prepared & Analyzed: 04/05/18						
Chromium 6+	5.18	0.020	ug/l	5.00		104	90-110			
Matrix Spike (W8D0299-MS1)				Source: 8C29073-06			Prepared & Analyzed: 04/05/18			
Chromium 6+	5.23	0.020	ug/l	5.00	0.0190	104	88-112			
Matrix Spike (W8D0299-MS2)				Source: 8C29073-07			Prepared & Analyzed: 04/05/18			
Chromium 6+	5.47	0.020	ug/l	5.00	0.154	106	88-112			
Matrix Spike Dup (W8D0299-MSD1)				Source: 8C29073-06			Prepared & Analyzed: 04/05/18			
Chromium 6+	5.31	0.020	ug/l	5.00	0.0190	106	88-112	2	10	
Matrix Spike Dup (W8D0299-MSD2)				Source: 8C29073-07			Prepared & Analyzed: 04/05/18			
Chromium 6+	5.54	0.020	ug/l	5.00	0.154	108	88-112	1	10	



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Notes and Definitions

Item	Definition
M-05	Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the dilution.
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.

