

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8H03015

Report Date: 8/20/2018

Project: City of Paramount- Cr6

Received Date: 8/6/2018

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 • ELAP-CA #1132 • EPA-UCMR #CA00211 • Guam-EPA #17-008R • HW-DOH # • ISO 17025 #L2457.01 • LACSD #10143 • NELAP-CA #04229CA • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • 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.

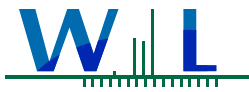
Dear Charlene King,

Enclosed are the results of analyses for samples received 8/06/18 with the Chain-of-Custody document. The samples were received in good condition, at 4.8 °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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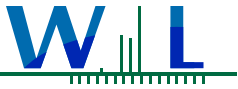
Reported:

08/20/2018 09:14

Project Manager: Charlene King

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Allan Goldberg (wecklabs)	8H03015-01	Water	08/06/18 11:13	
1910105022W13D/Well 13 Disinfection Station	Allan Goldberg (wecklabs)	8H03015-02	Water	08/06/18 10:45	
1910105023W14D/Well 14 Disinfection Station	Allan Goldberg (wecklabs)	8H03015-03	Water	08/06/18 10:10	
1910105994/DSMRT for Well 15	Allan Goldberg (wecklabs)	8H03015-04	Water	08/06/18 11:03	
1910105024W15D/Well 15 Disinfection Station	Allan Goldberg (wecklabs)	8H03015-05	Water	08/06/18 11:25	
1910105991/DSMRT for MWD	Allan Goldberg (wecklabs)	8H03015-06	Water	08/06/18 10:55	
1910105992/DSMRT for Well 13	Allan Goldberg (wecklabs)	8H03015-07	Water	08/06/18 10:30	
19105993/DSMRT for Well 14	Allan Goldberg (wecklabs)	8H03015-08	Water	08/06/18 10:20	



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Sample Results

Sample: 1910105020/EPTDS from MWD
8H03015-01 (Water) Sampled: 08/06/18 11:13 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.065	0.040	ug/l	2	08/15/18 15:54	

Sample: 1910105022W13D/Well 13 Disinfection Station
8H03015-02 (Water) Sampled: 08/06/18 10:45 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.16	0.10	ug/l	5	08/15/18 14:08	

Sample: 1910105023W14D/Well 14 Disinfection Station
8H03015-03 (Water) Sampled: 08/06/18 10:10 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.39	0.10	ug/l	5	08/15/18 14:19	

Sample: 1910105994/DSMRT for Well 15
8H03015-04 (Water) Sampled: 08/06/18 11:03 by Allan Goldberg (wecklabs)

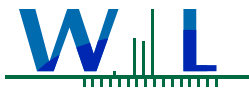
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.041	0.020	ug/l	1	08/15/18 16:06	

Sample: 1910105024W15D/Well 15 Disinfection Station
8H03015-05 (Water) Sampled: 08/06/18 11:25 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.050	0.020	ug/l	1	08/15/18 16:17	

Sample: 1910105991/DSMRT for MWD
8H03015-06 (Water) Sampled: 08/06/18 10:55 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.050	0.020	ug/l	1	08/15/18 16:29	



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Sample Results

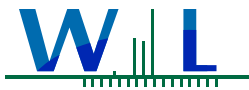
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Sample: 1910105992/DSMRT for Well 13
8H03015-07 (Water) Sampled: 08/06/18 10:30 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.10	0.020	ug/l	1	08/15/18 16:41	

Sample: 19105993/DSMRT for Well 14
8H03015-08 (Water) Sampled: 08/06/18 10:20 by Allan Goldberg (wecklabs)

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8H0914	Instr: LC13	Prepared: 08/15/18 09:23	Analyst: dil		
Chromium 6+	0.20	0.10	ug/l	5	08/15/18 15:18	



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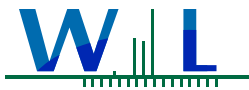
08/20/2018 09:14

Project Manager: Charlene King

Quality Control Results

Hexavalent Chromium by IC

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W8H0914 - EPA 218.6										
Blank (W8H0914-BLK1)				Prepared & Analyzed: 08/15/18						
Chromium 6+	ND	0.020	ug/l							
LCS (W8H0914-BS1)				Prepared & Analyzed: 08/15/18						
Chromium 6+	5.08	0.020	ug/l	5.00		102	90-110			
Matrix Spike (W8H0914-MS1)				Source: 8H07114-01						
				Prepared & Analyzed: 08/15/18						
Chromium 6+	10.4	0.040	ug/l	10.0	0.257	102	88-112			
Matrix Spike (W8H0914-MS2)				Source: 8H07114-02						
				Prepared & Analyzed: 08/15/18						
Chromium 6+	10.1	0.040	ug/l	10.0	7.58	26	88-112			MS-05
Matrix Spike Dup (W8H0914-MSD1)				Source: 8H07114-01						
				Prepared & Analyzed: 08/15/18						
Chromium 6+	10.3	0.040	ug/l	10.0	0.257	101	88-112	0.9	10	
Matrix Spike Dup (W8H0914-MSD2)				Source: 8H07114-02						
				Prepared & Analyzed: 08/15/18						
Chromium 6+	10.2	0.040	ug/l	10.0	7.58	26	88-112	0.9	10	MS-05



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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.



CHAIN OF CUSTODY RECORD

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

STANDARD **8403015**

CLIENT NAME: Water Replenishment District	PROJECT: City of Paramount	ANALYSES REQUESTED	SPECIAL HANDLING	
ADDRESS: 4040 Paramount Blvd Lakewood, Ca 90712	PHONE: 562-921-5521 FAX: EMAIL: cking@wrdd.org			Charges will apply for weekends/holidays
PROJECT MANAGER: Charlene King	SAMPLER: Weck			

ID# <small>(For lab Use Only)</small>	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.															
	8/6/18	1115	GW	1910105020/EPTDS from MWD	1	x														Fld Temp 27.1°C
		1045	GW	1910105022W13D/Well 13 Disinfection Station	1	x														Fld Temp 23.3°C
		1010	GW	1910105023W14D/Well 14 Disinfection Station	1	x														Fld Temp 26.1°C
		1103	GW	1910105994/DSMRT for Well 15 1910105024W15D/Well 15	1	x														Fld Temp 26.6°C
		1125	GW	Disinfection Station	1	x														Fld Temp 24.1°C
		1055	GW	1910105991/DSMRT for MWD	1	x														Fld Temp 26.2°C
		1030	GW	1910105992/DSMRT for Well 13	1	x														Fld Temp 26.5°C
		1020	GW	1910105993/DSMRT for Well 14	1	x														Fld Temp 25.4°C

RELINQUISHED BY <i>[Signature]</i>	DATE / TIME 8/6/18 1500	RECEIVED BY <i>[Signature]</i>	8/6/18 1500	SAMPLE CONDITION: Actual Temperature: 4.8°C Received On Ice Preserved <input checked="" type="checkbox"/> N Evidence Seals Present <input checked="" type="checkbox"/> Y / <i>[Signature]</i> Container Attacked <input checked="" type="checkbox"/> Y / <i>[Signature]</i> Preserved at Lab <input checked="" type="checkbox"/> Y / <i>[Signature]</i>	SAMPLE TYPE CODE: AQ=Aqueous NA= Non Aqueous SL = Sludge DW = Drinking Water WW = Waste Water RW = Rain Water GW = Ground Water SO = Soil SW = Solid Waste OL = Oil OT = Other Matrix
RELINQUISHED BY	DATE / TIME	RECEIVED BY			
RELINQUISHED BY	DATE / TIME	RECEIVED BY			