

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 7101013

Report Date: 9/13/2017

Project: City of Paramount

Received Date: 9/5/2017

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-OR #4047 • NJ-DEP #CA015 • 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.

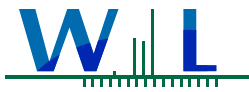
Dear Charlene King,

Enclosed are the results of analyses for samples received 9/05/17 with the Chain-of-Custody document. The samples were received in good condition, at 2.7 °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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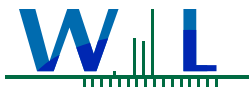
Reported:

09/13/2017 13:28

Project Manager: Charlene King

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Carlos Navarro	7I01013-01	Water	09/05/17 10:59	
1910105022W13D/Well 13 Disinfection Station	Carlos Navarro	7I01013-02	Water	09/05/17 10:36	
1910105023W14D/Well 14 Disinfection Station	Carlos Navarro	7I01013-03	Water	09/05/17 10:01	
1910105994/DSMRT for Well 15	Carlos Navarro	7I01013-04	Water	09/05/17 10:52	
1910105024W15D/Well 15 Disinfection Station	Carlos Navarro	7I01013-05	Water	09/05/17 11:09	
1910105991/DSMRT for MWD	Carlos Navarro	7I01013-06	Water	09/05/17 10:45	
1910105992/DSMRT for Well 13	Carlos Navarro	7I01013-07	Water	09/05/17 10:21	
1910105993/DSMRT for Well 14	Carlos Navarro	7I01013-08	Water	09/05/17 10:12	



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Sample Results

Sample: 1910105020/EPTDS from MWD
7101013-01 (Water) Sampled: 09/05/17 10:59 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710304		Prepared: 09/07/17 10:24		Analyst: dil
Chromium 6+	0.18	0.020	ug/l	1	09/07/17 19:57	

Sample: 1910105022W13D/Well 13 Disinfection Station
7101013-02 (Water) Sampled: 09/05/17 10:36 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710304		Prepared: 09/07/17 10:24		Analyst: dil
Chromium 6+	0.042	0.020	ug/l	1	09/07/17 20:09	

Sample: 1910105023W14D/Well 14 Disinfection Station
7101013-03 (Water) Sampled: 09/05/17 10:01 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710379		Prepared: 09/08/17 08:46		Analyst: dil
Chromium 6+	0.032	0.020	ug/l	1	09/12/17 19:04	

Sample: 1910105994/DSMRT for Well 15
7101013-04 (Water) Sampled: 09/05/17 10:52 by Carlos Navarro

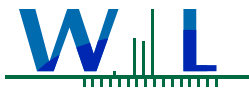
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710379		Prepared: 09/08/17 08:46		Analyst: dil
Chromium 6+	ND	0.020	ug/l	1	09/12/17 19:16	

Sample: 1910105024W15D/Well 15 Disinfection Station
7101013-05 (Water) Sampled: 09/05/17 11:09 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710379		Prepared: 09/08/17 08:46		Analyst: dil
Chromium 6+	ND	0.020	ug/l	1	09/12/17 19:28	

Sample: 1910105991/DSMRT for MWD
7101013-06 (Water) Sampled: 09/05/17 10:45 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710379		Prepared: 09/08/17 08:46		Analyst: dil
Chromium 6+	ND	0.020	ug/l	1	09/12/17 19:40	



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Sample Results

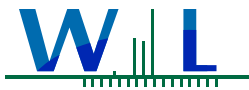
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Sample: 1910105992/DSMRT for Well 13
7101013-07 (Water) Sampled: 09/05/17 10:21 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710379		Prepared: 09/08/17 08:46		Analyst: dil
Chromium 6+	0.032	0.020	ug/l	1	09/12/17 19:52	

Sample: 1910105993/DSMRT for Well 14
7101013-08 (Water) Sampled: 09/05/17 10:12 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6		Batch ID: W710379		Prepared: 09/08/17 08:46		Analyst: dil
Chromium 6+	0.14	0.020	ug/l	1	09/12/17 20:03	



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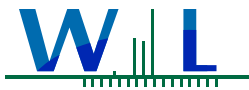
09/13/2017 13:28

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: W710304 - EPA 218.6										
Blank (W710304-BLK1)				Prepared & Analyzed: 09/07/17						
Chromium 6+	ND	0.020	ug/l							
LCS (W710304-BS1)				Prepared & Analyzed: 09/07/17						
Chromium 6+	5.08	0.020	ug/l	5.00		102	90-110			
Matrix Spike (W710304-MS1)				Source: 7H31042-01			Prepared & Analyzed: 09/07/17			
Chromium 6+	98.8	0.020	ug/l	5.00	92.9	117	88-112			MS-02
Matrix Spike (W710304-MS2)				Source: 7H31042-02			Prepared & Analyzed: 09/07/17			
Chromium 6+	5.98	0.020	ug/l	5.00	0.911	101	88-112			
Matrix Spike Dup (W710304-MSD1)				Source: 7H31042-01			Prepared & Analyzed: 09/07/17			
Chromium 6+	98.6	0.020	ug/l	5.00	92.9	114	88-112	0.1	10	MS-02
Matrix Spike Dup (W710304-MSD2)				Source: 7H31042-02			Prepared & Analyzed: 09/07/17			
Chromium 6+	6.09	0.020	ug/l	5.00	0.911	104	88-112	2	10	
Batch: W710379 - EPA 218.6										
Blank (W710379-BLK1)				Prepared: 09/08/17 Analyzed: 09/12/17						
Chromium 6+	ND	0.020	ug/l							
LCS (W710379-BS1)				Prepared: 09/08/17 Analyzed: 09/12/17						
Chromium 6+	4.89	0.020	ug/l	5.00		98	90-110			
Matrix Spike (W710379-MS1)				Source: 7I01013-03			Prepared: 09/08/17 Analyzed: 09/12/17			
Chromium 6+	4.96	0.020	ug/l	5.00	0.0324	98	88-112			
Matrix Spike (W710379-MS2)				Source: 7I01013-04			Prepared: 09/08/17 Analyzed: 09/12/17			
Chromium 6+	5.01	0.020	ug/l	5.00	0.00650	100	88-112			
Matrix Spike Dup (W710379-MSD1)				Source: 7I01013-03			Prepared: 09/08/17 Analyzed: 09/12/17			
Chromium 6+	5.11	0.020	ug/l	5.00	0.0324	101	88-112	3	10	
Matrix Spike Dup (W710379-MSD2)				Source: 7I01013-04			Prepared: 09/08/17 Analyzed: 09/12/17			
Chromium 6+	4.92	0.020	ug/l	5.00	0.00650	98	88-112	2	10	



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Notes and Definitions

Item	Definition
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
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.



ANALYTICAL SERVICES

Weck Laboratories, Inc.

Analytical Laboratory Services - Since 1954

CHAIN OF CUSTODY RECORD

STANDARD 7101013

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

PROJECT MANAGER: SAMPPLER: *Anderson*
Charlene King Weck

ANALYSES REQUESTED

SPECIAL HANDLING

- Same Day Rush 150%
 - 24 Hour Rush 100%
 - 48-72 Hour Rush 75%
 - 4 - 5 Day Rush 30%
 - Rush Extractions 50%
 - 10 - 15 Business Days
 - QA/QC Data Package
- Changes will apply for weekends/holidays
Method of Shipment:

COMMENTS

ID# (For Lab Use Only)	DATE SAMPLED	TIME SAMPLED	SAMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	ANALYSES REQUESTED	SPECIAL HANDLING	COMMENTS
1059	9/5/17		GW	1910105020/EPTDS from MWD	1	X		Fld Temp 26.9c
1030			GW	1910105022W13D/Well 13 Disinfection Station	1	X		Fld Temp 25.4c
1001			GW	1910105023W14D/Well 14 Disinfection Station	1	X		Fld Temp 27.3c
1052			GW	1910105994/DSMRT for Well 15	1	X		Fld Temp 25.8c
1009			GW	1910105024W15D/Well 15 Disinfection Station	1	X		Fld Temp 24.8c
1045			GW	1910105991/DSMRT for MWD	1	X		Fld Temp 25.8c
1021			GW	1910105992/DSMRT for Well 13	1	X		Fld Temp 27.5c
1012			GW	1910105993/DSMRT for Well 14	1	X		Fld Temp 26.8c

RELINQUISHED BY: *[Signature]* DATE/TIME: 9/6/17 437 RECEIVED BY: *Sanjiv* 9/5/17 1037

RELINQUISHED BY: *[Signature]* DATE/TIME: DATE/TIME: RECEIVED BY:

RELINQUISHED BY: DATE/TIME: RECEIVED BY:

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY
OVER UNSCHEDULED RUSH REQUESTS

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

SPECIAL REQUIREMENTS / BILLING INFORMATION

SAMPLE CONDITION: Actual Temperature: 27c

Received On Ice Preserved
Evidence Seals Present
Container Attacked
Preserved at Lab

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