

WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Work Orders: 8C01003

Report Date: 3/09/2018

Project: City of Paramount

Received Date: 3/5/2018

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 • 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.

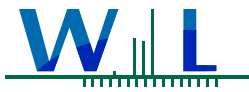
Dear Charlene King,

Enclosed are the results of analyses for samples received 3/05/18 with the Chain-of-Custody document. The samples were received in good condition, at 2.0 °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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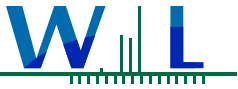
Reported:

03/09/2018 13:58

Project Manager: Charlene King

Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Carlos Navarro	8C01003-01	Water	03/05/18 11:06	
1910105022W13D/Well 13 Disinfection Station	Carlos Navarro	8C01003-02	Water	03/05/18 11:28	
1910105023W14D/Well 14 Disinfection Station	Carlos Navarro	8C01003-03	Water	03/05/18 10:09	
1910105994/DSMRT for Well 15	Carlos Navarro	8C01003-04	Water	03/05/18 10:58	
1910105024W15D/Well 15 Disinfection Station	Carlos Navarro	8C01003-05	Water	03/05/18 11:17	
1910105991/DSMRT for MWD	Carlos Navarro	8C01003-06	Water	03/05/18 10:53	
1910105992/DSMRT for Well 13	Carlos Navarro	8C01003-07	Water	03/05/18 10:26	
1910105993/DSMRT for Well 14	Carlos Navarro	8C01003-08	Water	03/05/18 10:17	



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Sample Results

Sample: 1910105020/EPTDS from MWD
8C01003-01 (Water) Sampled: 03/05/18 11:06 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.27	0.10	ug/l	5	03/08/18 13:00	M-05

Sample: 1910105022W13D/Well 13 Disinfection Station
8C01003-02 (Water) Sampled: 03/05/18 11:28 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.26	0.10	ug/l	5	03/08/18 13:12	M-05

Sample: 1910105023W14D/Well 14 Disinfection Station
8C01003-03 (Water) Sampled: 03/05/18 10:09 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.17	0.10	ug/l	5	03/08/18 13:24	M-05

Sample: 1910105994/DSMRT for Well 15
8C01003-04 (Water) Sampled: 03/05/18 10:58 by Carlos Navarro

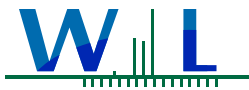
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.18	0.10	ug/l	5	03/08/18 16:45	M-05

Sample: 1910105024W15D/Well 15 Disinfection Station
8C01003-05 (Water) Sampled: 03/05/18 11:17 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.20	0.10	ug/l	5	03/08/18 13:47	M-05

Sample: 1910105991/DSMRT for MWD
8C01003-06 (Water) Sampled: 03/05/18 10:53 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.25	0.10	ug/l	5	03/08/18 13:59	M-05



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Sample Results

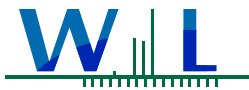
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Sample: 1910105992/DSMRT for Well 13
8C01003-07 (Water) Sampled: 03/05/18 10:26 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.30	0.10	ug/l	5	03/08/18 14:46	M-05

Sample: 1910105993/DSMRT for Well 14
8C01003-08 (Water) Sampled: 03/05/18 10:17 by Carlos Navarro

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W8C0189	Instr: LC13	Prepared: 03/07/18 15:56	Analyst: dil		
Chromium 6+	0.38	0.10	ug/l	5	03/08/18 14:58	M-05



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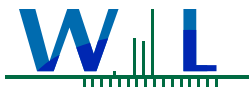
03/09/2018 13:58

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: W8C0189 - EPA 218.6										
Blank (W8C0189-BLK1)										
Chromium 6+	ND	0.020	ug/l							
				Prepared: 03/05/18 Analyzed: 03/08/18						
LCS (W8C0189-BS1)										
Chromium 6+	4.82	0.020	ug/l	5.00		96	90-110			
				Prepared: 03/05/18 Analyzed: 03/08/18						
Matrix Spike (W8C0189-MS1)										
Chromium 6+	19.8	0.080	ug/l	20.0	0.353	97	88-112			M-05
				Prepared: 03/05/18 Analyzed: 03/08/18						
Matrix Spike (W8C0189-MS2)										
Chromium 6+	20.1	0.080	ug/l	20.0	0.734	97	88-112			M-05
				Prepared: 03/05/18 Analyzed: 03/08/18						
Matrix Spike Dup (W8C0189-MSD1)										
Chromium 6+	19.8	0.080	ug/l	20.0	0.353	97	88-112	0.3	10	M-05
				Prepared: 03/05/18 Analyzed: 03/08/18						
Matrix Spike Dup (W8C0189-MSD2)										
Chromium 6+	20.2	0.080	ug/l	20.0	0.734	97	88-112	0.4	10	M-05
				Prepared: 03/05/18 Analyzed: 03/08/18						



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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.



Weck Laboratories, Inc.
Analytical Laboratory Services - Since 1964

CHAIN OF CUSTODY RECORD

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

STANDARD **8001003**

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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: <u>cking@wrd.org</u>	Cf6 218.6	<input type="checkbox"/> Same Day Rush 150% <input type="checkbox"/> 24 Hour Rush 100% <input type="checkbox"/> 48-72 Hour Rush 75% <input checked="" type="checkbox"/> 4 - 5 Day Rush 30% <input type="checkbox"/> Rush Extractions 50% <input type="checkbox"/> 10 - 15 Business Days <input type="checkbox"/> QA/QC Data Package
PROJECT MANAGER: Charlene King	SAMPLER: Weck <i>[Signature]</i>		Charges will apply for weekends/holidays

ID# <small>(For Lab Use Only)</small>	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	ANALYSES REQUESTED	SPECIAL HANDLING
	3/5/18	1106	GW	1910105020/EPTDS from MWD	1	x	Fld Temp 18.3c
		1128	GW	1910105022W13D/Well 13 Disinfection Station	1	x	Fld Temp 21.9c
		1009	GW	1910105023W14D/Well 14 Disinfection Station	1	x	Fld Temp 18.9c
		1058	GW	1910105994/DSMRT for Well 15	1	x	Fld Temp 19.6c
		1117	GW	1910105024W15D/Well 15 Disinfection Station	1	x	Fld Temp 21.6c
		1053	GW	1910105991/DSMRT for MWD	1	x	Fld Temp 20.0c
		1026	GW	1910105992/DSMRT for Well 13	1	x	Fld Temp 18.1c
		1017	GW	1910105993/DSMRT for Well 14	1	x	Fld Temp 19.9c

RELINQUISHED BY <i>[Signature]</i>	DATE / TIME 3/5/18 320	RECEIVED BY James [Signature] 3/5/18 1820	SAMPLE CONDITION: Actual Temperature: 2.0
RELINQUISHED BY	DATE / TIME	RECEIVED BY	Received On Ice Preserved Evidence Seals Present Container Attacked Preserved at Lab
RELINQUISHED BY	DATE / TIME	RECEIVED BY	
RELINQUISHED BY	DATE / TIME	RECEIVED BY	

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