

FINAL REPORT

Work Orders: 6L20118

WECK LABORATORIES, INC.

Report Date:

1/05/2017

Received Date:

12/20/2016

Turnaround Time:

Normal

Phones:

(562) 275-4252 (562) 921-6101

Fax: P.O. #:

Attn: Charlene King

Project: City of Paramount

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**











FINAL REPORT

WECK LABORATORIES, INC.

Water Replenishment District 4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Project Manager: Charlene King

Reported:

01/05/2017 17:46

XX

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	

6L20118 Page 2 of 13



FINAL REPORT

WECK LABORATORIES, INC.

Water Replenishment District 4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Reported:

01/05/2017 17:46



Sample Results

 Sample:
 1910105020/EPTDS from MWD
 Sampled: 12/20/16 12:43 by Jim Gibbons

 6L20118-01 (Water)
 6L20118-01 (Water)

Project Manager: Charlene King

6L20	orra-or (water)					
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromiun	n 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	



Dil

Units

ug/l

FINAL REPORT

WECK LABORATORIES, INC. Water Replenishment District

4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Project Manager: Charlene King

Reported:

01/05/2017 17:46

Qualifier

Analyte

Chromium 6+

Sample Results

(Continued) Sampled: 12/20/16 11:46 by Jim Gibbons

Analyzed

12/29/16 10:00

1910105022W13D/Well 13 Disinfection Station Sample:

6L20118-02 (Water)

MRL

0.020

Hexavalent Chromium by IC

Method: EPA 218.6 Batch ID: W6L2552 Prepared: 12/29/16 07:59 Analyst: blg

Result

0.092

6L20118 Page 4 of 13



FINAL REPORT

WECK LABORATORIES, INC. Water Replenishment District

4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Reported:

01/05/2017 17:46

Sample Results

Project Manager: Charlene King

(Continued)

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

1910105023W14D/Well 14 Disinfection Station Sample:

6L20118-03 (Water)

Dil Qualifier Analyte Result MRL Units Analyzed **Hexavalent Chromium by IC** Method: EPA 218.6 Batch ID: W6L2552 Prepared: 12/29/16 07:59 Analyst: blg 12/29/16 10:00 Chromium 6+ 0.020 ug/l

6L20118 Page 5 of 13



FINAL REPORT

WECK LABORATORIES, INC. Water Replenishment District

4040 Paramount Blvd.

Project Number: City of Paramount

Reported:

01/05/2017 17:46

Lakewood, CA 90712

Method: EPA 218.6

Chromium 6+

Project Manager: Charlene King

Sample Results

(Continued)

Analyst: blg

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

12/30/16 00:30

1910105994/DSMRT for Well 15 Sample:

6L20118-04 (Water)

Dil Qualifier Analyte Result MRL Units Analyzed **Hexavalent Chromium by IC**

0.044

Batch ID: W6L2644

Prepared: 12/30/16 00:00

0.020

6L20118 Page 6 of 13



FINAL REPORT

WECK LABORATORIES, INC.

Water Replenishment District 4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Project Manager: Charlene King

Reported:

01/05/2017 17:46

X

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
Hexavalent Chromium by IC						
Method: EPA 218.6	Batch ID: W6L2552	Prepared: 12/2	9/16 07:59			Analyst: blg
Chromium 6+	0.025	0.020	ug/l	1	12/29/16 10:00	

6L20118 Page 7 of 13



FINAL REPORT

WECK LABORATORIES, INC.
Water Replenishment District

4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Project Manager: Charlene King

Reported:

01/05/2017 17:46

Sample Results

(Continued)

Sample: 1910105991/DSMRT for MWD

6L20118-06 (Water)

Sampled: 12/20/16 12:55 by Jim Gibbons

12/30/16 00:30

Analyte	Result	MRL Units	Dil	Analyzed	Qualifier
Hexavalent Chromium by IC					
Method: EPA 218.6	Batch ID: W6L2644	Prepared: 12/30/16 00:00			Analyst: blg

0.020

ug/l



FINAL REPORT

WECK LABORATORIES, INC.
Water Replenishment District

Project Number: City of Paramount

Reported:

01/05/2017 17:46

4040 Paramount Blvd.
Lakewood, CA 90712

Project Manager: Charlene King

XX

Sample Results

(Continued)

Sample:	1910105992/DSMRT for Well 1	13

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

6L20118-07 (Water)
-------------------	---

	,					
Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Hexavalent Chromiun	n by IC					
Method: EPA 218.6	Batch ID: W6L2552	Prepared: 12	2/29/16 07:59			Analyst: blg
Chromium 6+	0.10	0.020	ug/l	1	12/29/16 10:00	



FINAL REPORT

WECK LABORATORIES, INC.

Water Replenishment District 4040 Paramount Blvd. Lakewood, CA 90712 Project Number: City of Paramount

Project Manager: Charlene King

Reported:

01/05/2017 17:46

XX

Analyte

Sample Results

(Continued)

Sampled: 12/20/16 11:36 by Jim Gibbons

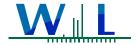
Sample: 1910105993/DSMRT for Well 14

6L20118-08 (Water)

Result MRL Units Dil Analyzed Qualifier

Hexavalent Chromium by IC

6L20118 Page 10 of 13



FINAL REPORT

Water Replenishment District 4040 Paramount Blvd.

Lakewood, CA 90712

WECK LABORATORIES, INC.

Project Number: City of Paramount

Project Manager: Charlene King

Reported:

01/05/2017 17:46



Quality Control Results

Hexavalent Chromium by IC										
				Spike	Source		%REC		RPD	
Analyte	Result	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W6L2552 - EPA 218.6										
LCS (W6L2552-BS1)				Prepared & A	nalyzed: 12/2	29/16				
Chromium 6+	4.76	0.020	ug/l	5.00		95	90-110			
Matrix Spike (W6L2552-MS1)	Source: 6L16	5061-01		Prepared & A	nalyzed: 12/2	9/16				
Chromium 6+	4.90	0.020	ug/l	5.00	0.158	95	88-112			
Matrix Spike (W6L2552-MS2)	Source: 6L16	5061-02		Prepared & A	nalyzed: 12/2	9/16				
Chromium 6+	4.86	0.020	ug/l	5.00	0.0359	97	88-112			
Matrix Spike Dup (W6L2552-MSD1)	Source: 6L16	5061-01		Prepared & A	nalyzed: 12/2	9/16				
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: 6L16	5061-02		Prepared & A	nalyzed: 12/2	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)			Pro	epared: 12/30/	16 Analyzed:	01/05/17	7			
Chromium 6+	ND	0.020	ug/l		, ,					
LCS (W6L2644-BS1)				Prepared & A	nalyzed: 12/3	80/16				
Chromium 6+	4.66	0.020	ug/l	5.00	, , .	93	90-110			
LCS Dup (W6L2644-BSD1)				Prepared & A	nalyzed: 12/3	80/16				
Chromium 6+	4.79	0.020	ug/l	5.00	•	96	90-110	3	10	
Matrix Spike (W6L2644-MS1)	Source: 6L20)118-01		Prepared & A	nalyzed: 12/3	80/16				
Chromium 6+	4.99	0.020	ug/l	5.00	0.0786	98	88-112			



FINAL REPORT

Water Replenishment District 4040 Paramount Blvd.

WECK LABORATORIES, INC.

Project Number: City of Paramount

Reported:

01/05/2017 17:46

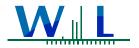
4040 Paramount Blvd. Lakewood, CA 90712

Project Manager: Charlene King

Quality Control Results

(Continued)

Qualifier



FINAL REPORT

WECK LABORATORIES, INC.
Water Replenishment District
4040 Paramount Blvd.

Project Number: City of Paramount

Reported: 01/05/2017 17:46

Lakewood, CA 90712 Project Manager: Charlene King



Notes and Definitions

MS-05	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.

6L20118 Page 13 of 13

WW = Waste Water RW = Rain Water GW = Ground Water Charges will apply for weekends/holidays AQ=Aqueous NA= Non Aqueous ĐW ≃ Drinking Water COC version 842707 SW = Solid Waste
OL = Oil
OT = Other Matrix SAMPLE TYPE COD 0 68.80 406.83 68.20F Same Day Rush 150% Rush Extractions 50% 10 - 15 Business Days SL = Sludge 48-72 Hour Rush 75% QA/QC Data Package 24 Hour Rush 100% 4 - 5 Day Rush 30% SO = Soil SPECIAL HANDLING **CHAIN OF CUSTODY RECORD** ď 80) Method of Shipment: Fld Temp SAMPLE CONDITION: vidence Seals Present STANDARD 6620118 Actual Temperature: Sontainer Attacked Preserved at Lab Received On Ice reserved ANALYSES REQUESTED Cies shouls SPECIAL REQUIREMENTS / BILLING INFORMATION Or6 218.6 × Curai pon to Weck Laboratories, Inc. # OF Analytical Laboratory Services - Since 1964 RECEIVED BY RECEIVED BY RECEIVED BY SAMPLE IDENTIFICATION/SITE LOCATION GW 1910105994/DSMRT for Well 15 GW 1910105992/DSMRT for Well 13 GW | 1910105993/DSMRT for Well 14 242 GW 1910105020/EPTDS from MWD GW 1910105991/DSMRT for MWD cking@wrd.org GW Disinfection Station 1910105023W14D/Well 14 1910105024W15D/Well 15 562-921-5521 el 626-336-2139 + Fax 626-336-2634 + www.wecklabs.com GW Disinfection Station GW Disinfection Station City of Paramount www.wecklabs.com SAMPLER DATE / TIME DATE / TIME DATE / TIME PROJECT PHONE EMA!L: Weck FAX: 14859 East Clark Avenue: Industry: CA 91745 PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY TYPE SMPL (c) (c) 1771 (2) 0 SAMPLED 3 OVER UNSCHEDULED RUSH REQUESTS Client agrees to Terms & Conditions at: SAMPLED 3/2 Nater Replenishment District RECINOUISHED BY RELINOUISHED BY RELINQUISHED BY -akewood, Ca 90712 4040 Parmount Blvd PROJECT MANAGEF (For lab Use Only) Charlene King CLIENT NAME **NDDRESS**