

WECK LABORATORIES, INC.

# Certificate of Analysis

FINAL REPORT

**Work Orders:** 8F29012

**Report Date:** 7/30/2018

**Received Date:** 7/12/2018

**Project:** City of Paramount

**Turnaround Time:** 4 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

*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.*

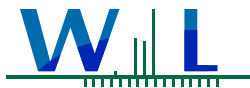
Dear Charlene King,

Enclosed are the results of analyses for samples received 7/12/18 with the Chain-of-Custody document. The samples were received in good condition, at 3.4 °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





WECK LABORATORIES, INC.

Water Replenishment District  
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Lakewood, CA 90712

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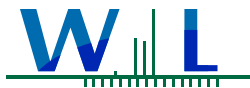
**Project Manager:** Charlene King

**Reported:**  
07/30/2018 08:16



## Sample Summary

Sample Name	Sampled By	Lab ID	Matrix	Sampled	Qualifiers
1910105020/EPTDS from MWD	Allan Goldberg (wecklabs)	8F29012-01	Water	07/02/18 10:58	
1910105994/DSMRT for Well 15	Allan Goldberg (wecklabs)	8F29012-04	Water	07/02/18 10:45	
1910105991/DSMRT for MWD	Allan Goldberg (wecklabs)	8F29012-06	Water	07/02/18 10:37	
1910105992/DSMRT for Well 13	Allan Goldberg (wecklabs)	8F29012-07	Water	07/02/18 10:22	
1910105993/DSMRT for Well 14	Allan Goldberg (wecklabs)	8F29012-08	Water	07/02/18 10:10	



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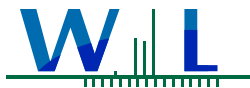
## Sample Results

TestAmerica - Irvine ELAP #2706

Sample: 1910105022W13D/Well 13 Disinfection Station  
8F29012-02 (Water)

Sampled: 07/12/18 10:20 by Carlos Navarro (wecklabs)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>218.6</b>							
<b>Method:</b> 218.6_Prs_DW_OF Chromium, Hexavalent (Ion Chrom)		<b>Batch ID:</b> 488086		<b>Prepared:</b> 07/12/18 10:20		<b>Analyst:</b> MN	
<b>Chromium, hexavalent</b>	<b>0.35</b>	0.25	1.0	ug/L	1	07/19/18	J



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## Sample Results

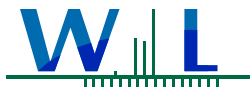
TestAmerica - Irvine ELAP #2706

(Continued)

Sample: 1910105023W14D/Well 14 Disinfection Station  
8F29012-03 (Water)

Sampled: 07/12/18 10:08 by Carlos Navarro (wecklabs)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>218.6</b>							
<b>Method:</b> 218.6_Prs_DW_OF Chromium, Hexavalent (Ion Chrom)		<b>Batch ID:</b> 488086		<b>Prepared:</b> 07/12/18 10:08		<b>Analyst:</b> MN	
<b>Chromium, hexavalent</b>	<b>0.29</b>	0.25	1.0	ug/L	1	07/19/18	J



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## Sample Results

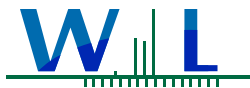
TestAmerica - Irvine ELAP #2706

(Continued)

Sample: 1910105024W15D/Well 15 Disinfection Station  
8F29012-05 (Water)

Sampled: 07/12/18 10:39 by Carlos Navarro (wecklabs)

Analyte	Result	MDL	MRL	Units	Dil	Analyzed	Qualifier
<b>218.6</b>							
<b>Method:</b> 218.6_Prs_DW_OF Chromium, Hexavalent (Ion Chrom Chromium, hexavalent	<b>Batch ID:</b> 488086	<b>Prepared:</b> 07/12/18 10:39		<b>Analyst:</b> MN			
	ND	0.25	1.0	ug/L	1	07/19/18	



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## Sample Results NELAP #4035, ELAP #2698

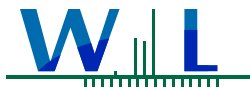
(Continued)

Sample: 1910105020/EPTDS from MWD  
8F29012-01 (Water) Sampled: 07/02/18 10:58 by Allan Goldberg (wecklabs)

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

<b>Method:</b> EPA 218.6	<b>Batch ID:</b> W8G0996	<b>Prepared:</b> 07/13/18 16:46	<b>Analyst:</b> _sub
Chromium 6+ .....	ND	1.0 ug/l	1 07/13/18 <b>A-01</b>



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## Sample Results NELAP #4035, ELAP #2698

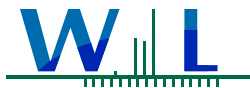
(Continued)

Sample: 1910105994/DSMRT for Well 15  
8F29012-04 (Water) Sampled: 07/02/18 10:45 by Allan Goldberg (wecklabs)

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

<b>Method:</b> EPA 218.6	<b>Batch ID:</b> W8G0996	<b>Prepared:</b> 07/13/18 16:58	<b>Analyst:</b> _sub
Chromium 6+ .....	ND	1.0 ug/l	1 07/13/18 <b>A-01</b>



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**Reported:**  
07/30/2018 08:16



## Sample Results NELAP #4035, ELAP #2698

(Continued)

Sample: 1910105991/DSMRT for MWD  
8F29012-06 (Water)

Sampled: 07/02/18 10:37 by Allan Goldberg (wecklabs)

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

**Method:** EPA 218.6

**Batch ID:** W8G0996

**Prepared:** 07/13/18 17:11

**Analyst:** \_sub

Chromium 6+ .....

ND

1.0

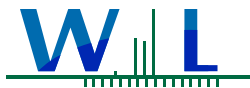
ug/l

1

07/13/18

**A-01**





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## Sample Results NELAP #4035, ELAP #2698

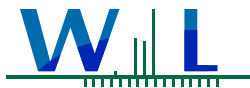
(Continued)

Sample: 1910105992/DSMRT for Well 13  
8F29012-07 (Water) Sampled: 07/02/18 10:22 by Allan Goldberg (wecklabs)

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

<b>Method:</b> EPA 218.6	<b>Batch ID:</b> W8G0996	<b>Prepared:</b> 07/13/18 17:24	<b>Analyst:</b> _sub
Chromium 6+ .....	ND	1.0 ug/l	1 07/13/18 <b>A-01</b>



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## Sample Results NELAP #4035, ELAP #2698

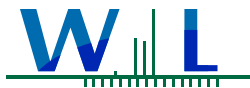
(Continued)

Sample: 1910105993/DSMRT for Well 14  
8F29012-08 (Water) Sampled: 07/02/18 10:10 by Allan Goldberg (wecklabs)

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

<b>Method:</b> EPA 218.6	<b>Batch ID:</b> W8G0996	<b>Prepared:</b> 07/13/18 17:37	<b>Analyst:</b> _sub
Chromium 6+ .....	ND	1.0 ug/l	1 07/13/18 <b>A-01</b>



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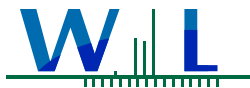
**Reported:**  
07/30/2018 08:16



## Quality Control Results

218.6

Analyte	Result	MDL	MRL	Units	Spike Level	Source Result	%REC	Limits	RPD	Limit	Qualifier
<b>Batch: 488086 - 218.6_Prs_DW_OF Chromium, Hexavalent (Ion Chromato</b>											
<b>MS (440-216054-G-2 MS)</b>	<b>Source: 440-216054-G-2</b>				<b>Prepared: Analyzed: 07/18/18</b>						
Chromium, hexavalent	50.5	0.25	1.0	ug/L	50.0	0.49	100	90-110			
<b>MSD (440-216054-G-2 MSD)</b>	<b>Source: 440-216054-G-2</b>				<b>Prepared: Analyzed: 07/18/18</b>						
Chromium, hexavalent	50.6	0.25	1.0	ug/L	50.0	0.49	100	90-110	0	10	
<b>LCS (LCS 440-488086/5)</b>					<b>Prepared: Analyzed: 07/18/18</b>						
Chromium, hexavalent	52.1	0.25	1.0	ug/L	50.0		104	90-110			
<b>MB (MB 440-488086/6)</b>					<b>Prepared: Analyzed: 07/18/18</b>						
Chromium, hexavalent	ND	0.25	1.0	ug/L				-			



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**Reported:**  
07/30/2018 08:16



## Notes and Definitions

Item	Definition
A-01	Analysis subcontracted to Babcock Laboratories, Inc. CA ELAP No. 2698
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
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.



**BABCOCK Laboratories, Inc.**  
*The Standard of Excellence for Over 100 Years*

Client Name: Weck Laboratories, Inc.  
Contact: Valerie Rejuso  
Address: 14859 East Clark Avenue  
Industry, CA 91745

Analytical Report: Page 1 of 4  
Project Name: No Project  
Project Number: 8F29012

**Work Order Number: B8G1563**

Report Date: 17-Jul-2018

Received on Ice (Y/N): Yes Temp: 3 °C

Attached is the analytical report for the sample(s) received for your project. Below is a list of the individual sample descriptions with the corresponding laboratory number(s). Also, enclosed is a copy of the Chain of Custody document (if received with your sample(s)). Please note any unused portion of the sample(s) may be responsibly discarded after 30 days from the above report date, unless you have requested otherwise.

Thank you for the opportunity to serve your analytical needs. If you have any questions or concerns regarding this report please contact our client service department.

**Sample Identification**

<u>Lab Sample #</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Date Sampled</u>	<u>By</u>	<u>Date Submitted</u>	<u>By</u>
B8G1563-01	8F29012-01/1910105020/EPTD S from MWD 020	Water	07/02/18 10:58	Allan Goldberg	07/12/18 17:10	Christopher Romero
B8G1563-02	8F29012-04/1910105994/DSM RT for well 15 994	Water	07/02/18 10:45	Allan Goldberg	07/12/18 17:10	Christopher Romero
B8G1563-03	8F29012-06/1910105991/DSM ET for MWD 991	Water	07/02/18 10:37	Allan Goldberg	07/12/18 17:10	Christopher Romero
B8G1563-04	8F29012-07/1910105992/DSM RT for well 13 992	Water	07/02/18 10:22	Allan Goldberg	07/12/18 17:10	Christopher Romero
B8G1563-05	8F29012-08/1910105993/DSM RT for well 14 993	Water	07/02/18 10:10	Allan Goldberg	07/12/18 17:10	Christopher Romero



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Address: 14859 East Clark Avenue  
Industry, CA 91745

Analytical Report: Page 2 of 4  
Project Name: No Project  
Project Number: 8F29012

**Work Order Number: B8G1563**

Report Date: 17-Jul-2018

Received on Ice (Y/N): Yes Temp: 3 °C

	Result	RDL	Units	Method	Analysis Date	Analyst	Flag
<b>B8G1563-01</b> <i>Sampled: 07/02/18 10:58</i>							
8F29012-01/1910105020/EPTDS from MWD020							
Hexavalent Chromium	ND	1.0	ug/L	EPA 218.6	07/13/18 16:46	KRV	
<b>B8G1563-02</b> <i>Sampled: 07/02/18 10:45</i>							
8F29012-04/1910105994/DSMRT for well 15994							
Hexavalent Chromium	ND	1.0	ug/L	EPA 218.6	07/13/18 16:58	KRV	
<b>B8G1563-03</b> <i>Sampled: 07/02/18 10:37</i>							
8F29012-06/1910105991/DSMET for MWD991							
Hexavalent Chromium	ND	1.0	ug/L	EPA 218.6	07/13/18 17:11	KRV	
<b>B8G1563-04</b> <i>Sampled: 07/02/18 10:22</i>							
8F29012-07/1910105992/DSMRT for well 13992							
Hexavalent Chromium	ND	1.0	ug/L	EPA 218.6	07/13/18 17:24	KRV	
<b>B8G1563-05</b> <i>Sampled: 07/02/18 10:10</i>							
8F29012-08/1910105993/DSMRT for well 14993							
Hexavalent Chromium	ND	1.0	ug/L	EPA 218.6	07/13/18 17:37	KRV	



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Analytical Report: Page 3 of 4  
Project Name: No Project  
Project Number: 8F29012

**Work Order Number: B8G1563**

Report Date: 17-Jul-2018

Received on Ice (Y/N): Yes Temp: 3 °C

**Metals and Metalloids - Batch Quality Control**

Analyte(s)	Result	RDL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
<b>Batch 8G13057 - Filter if turbid.-IC</b>										
<b>Blank (8G13057-BLK1)</b>				Prepared & Analyzed: 07/13/18						
Hexavalent Chromium	ND	1.0 ug/L								
<b>LCS (8G13057-BS1)</b>				Prepared & Analyzed: 07/13/18						
Hexavalent Chromium	5.18	1.0 ug/L		5.00		104	90-110			
<b>Duplicate (8G13057-DUP1)</b>				Source: B8G1574-01 Prepared & Analyzed: 07/13/18						
Hexavalent Chromium	0.650	1.0 ug/L			0.644			1.05	20	
<b>Matrix Spike (8G13057-MS1)</b>				Source: B8G1576-01 Prepared & Analyzed: 07/13/18						
Hexavalent Chromium	7.41	1.0 ug/L		5.00	2.05	107	85-117			
<b>Matrix Spike Dup (8G13057-MSD1)</b>				Source: B8G1576-01 Prepared & Analyzed: 07/13/18						
Hexavalent Chromium	7.36	1.0 ug/L		5.00	2.05	106	85-117	0.650	20	



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Analytical Report: Page 4 of 4  
Project Name: No Project  
Project Number: 8F29012

**Work Order Number: B8G1563**

Report Date: 17-Jul-2018

Received on Ice (Y/N): Yes Temp: 3 °C

## Notes and Definitions

ND: Analyte NOT DETECTED at or above the Method Detection Limit (**if MDL is reported**), otherwise at or above the Reportable Detection Limit (RDL)  
NR: Not Reported  
RDL: Reportable Detection Limit  
MDL: Method Detection Limit  
\*/": NELAP does not offer accreditation for this analyte/method/matrix combination

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## Approval

Enclosed are the analytical results for the submitted sample(s). Babcock Laboratories certify the data presented as part of this report meet the minimum quality standards in the referenced analytical methods. Any exceptions have been noted.

**KayeLani A. Deener**

cc:

e-Tab\_ Summary+QC.rpt

This report applies only to the sample(s) analyzed. As a mutual protection to clients, the public, and Babcock Laboratories, Inc., this report is submitted and accepted for the exclusive use of the Client to whom it is addressed. Interpretation and use of the information contained within this report are the sole responsibility of the Client. Babcock Laboratories, Inc. is not responsible for any misinformation or consequences that may result from misinterpretation or improper use of this report. This report is not to be modified or abbreviated in any way. Additionally, this report is not to be used, in whole or in part, in any advertising or publicity matter without written authorization from Babcock Laboratories, Inc. The liability of Babcock Laboratories, Inc. is limited to the actual cost of the requested analyses, unless otherwise agreed upon in writing. There is no other warranty expressed or implied.

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6100 Quail Valley Court  
Riverside, CA 92507-0704

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F 951 653 1662  
www.babcocklabs.com

CA ELAP No. 2698  
EPA No. CA00102  
NELAP No. OR4035  
LACSD No. 10119





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Analytical Report: Page 1 of 1  
Project Name: No Project  
Project Number: 8F29012

**Work Order Number: B8G1563**

Report Date: 17-Jul-2018

Received on Ice (Y/N): Yes Temp: 3°C



**Subcontracted Laboratory:**

Babcock Laboratories  
P.O. Box 432  
Riverside, CA 92502-0432  
Phone: (951) 653-3351  
Fax: (951) 653-1662

## Subcontract Order

Turn Around Time: Normal unless noted in comments  
Project Manager: Valerie Rejuso  
Project Name: Paramount, City of UCMR3  
Project Number: City of Paramount  
Sampler Employed by: \_\_\_\_\_

### Work Order: 8F29012

Analysis	Expires	Comments
<b>Sample ID:</b> 8F29012-01/1910105020/EPTDS from MWD <b>Sample comment:</b> Cr6_218.6 <i>Containers Supplied:</i>	07/16/2018 10:58	<b>Sampled:</b> 07/02/2018 10:58 <b>Matrix:</b> Water <b>Sampled By:</b> Allan Goldberg
<b>Sample ID:</b> 8F29012-04/1910105994/DSMRT for Well 15 <b>Sample comment:</b> Cr6_218.6 <i>Containers Supplied:</i>	07/16/2018 10:45	<b>Sampled:</b> 07/02/2018 10:45 <b>Matrix:</b> Water <b>Sampled By:</b> Allan Goldberg
<b>Sample ID:</b> 8F29012-06/1910105991/DSMRT for MWD <b>Sample comment:</b> Cr6_218.6 <i>Containers Supplied:</i>	07/16/2018 10:37	<b>Sampled:</b> 07/02/2018 10:37 <b>Matrix:</b> Water <b>Sampled By:</b> Allan Goldberg
<b>Sample ID:</b> 8F29012-07/1910105992/DSMRT for Well 13 <b>Sample comment:</b> Cr6_218.6 <i>Containers Supplied:</i>	07/16/2018 10:22	<b>Sampled:</b> 07/02/2018 10:22 <b>Matrix:</b> Water <b>Sampled By:</b> Allan Goldberg
<b>Sample ID:</b> 8F29012-08/1910105993/DSMRT for Well 14 <b>Sample comment:</b> Cr6_218.6 <i>Containers Supplied:</i>	07/16/2018 10:10	<b>Sampled:</b> 07/02/2018 10:10 <b>Matrix:</b> Water <b>Sampled By:</b> Allan Goldberg

B8G1563 AB

JUL 18 2018

7/12/18 30c

Page 1 of 2

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## ANALYTICAL REPORT

TestAmerica Laboratories, Inc.

TestAmerica Irvine

17461 Derian Ave

Suite 100

Irvine, CA 92614-5817

Tel: (949)261-1022

TestAmerica Job ID: 440-216051-1

TestAmerica Sample Delivery Group: City of Paramount

Client Project/Site: Paramount, City of-UCMR3

For:

Weck Laboratories, Inc.

14859 E. Clark Avenue

City of Industry, California 91745

Attn: Valerie Rejuso



Authorized for release by:

7/28/2018 5:47:43 AM

Danielle Roberts, Senior Project Manager

(949)261-1022

[danielle.roberts@testamericainc.com](mailto:danielle.roberts@testamericainc.com)

### LINKS

Review your project  
results through

TotalAccess

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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## Sample Summary

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
440-216051-1	8F29012-02/1910105022W13D/Well 13 Disinfection Station	Water	07/12/18 10:20	07/18/18 10:25
440-216051-2	8F29012-03/1910105023W14D/Well 14 Disinfection Station	Water	07/12/18 10:08	07/18/18 10:25
440-216051-3	8F29012-05/1910105024W15D/Well 15 Disinfection Station	Water	07/12/18 10:39	07/18/18 10:25

## Case Narrative

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

**Job ID: 440-216051-1**

**Laboratory: TestAmerica Irvine**

### Narrative

**Job Narrative**  
**440-216051-1**

### Comments

No additional comments.

### Receipt

The samples were received on 7/18/2018 10:25 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.3° C.

### HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

## Detection Summary

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

### Client Sample ID: 8F29012-02/1910105022W13D/Well 13 Disinfection Station

Lab Sample ID: 440-216051-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.35	J	1.0	0.25	ug/L	1		218.6	Total/NA

### Client Sample ID: 8F29012-03/1910105023W14D/Well 14 Disinfection Station

Lab Sample ID: 440-216051-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium, hexavalent	0.29	J	1.0	0.25	ug/L	1		218.6	Total/NA

### Client Sample ID: 8F29012-05/1910105024W15D/Well 15 Disinfection Station

Lab Sample ID: 440-216051-3

No Detections.

This Detection Summary does not include radiochemical test results.

TestAmerica Irvine

# Client Sample Results

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

**Client Sample ID: 8F29012-02/1910105022W13D/Well 13**

**Lab Sample ID: 440-216051-1**

**Disinfection Station**

**Date Collected: 07/12/18 10:20**

**Matrix: Water**

**Date Received: 07/18/18 10:25**

**Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.35	J	1.0	0.25	ug/L			07/19/18 00:34	1

**Client Sample ID: 8F29012-03/1910105023W14D/Well 14**

**Lab Sample ID: 440-216051-2**

**Disinfection Station**

**Date Collected: 07/12/18 10:08**

**Matrix: Water**

**Date Received: 07/18/18 10:25**

**Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	0.29	J	1.0	0.25	ug/L			07/19/18 00:46	1

**Client Sample ID: 8F29012-05/1910105024W15D/Well 15**

**Lab Sample ID: 440-216051-3**

**Disinfection Station**

**Date Collected: 07/12/18 10:39**

**Matrix: Water**

**Date Received: 07/18/18 10:25**

**Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		1.0	0.25	ug/L			07/19/18 00:58	1

## Method Summary

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

Method	Method Description	Protocol	Laboratory
218.6	Chromium, Hexavalent (Ion Chromatography)	EPA	TAL IRV

### Protocol References:

EPA = US Environmental Protection Agency

### Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022



# Lab Chronicle

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

**Client Sample ID: 8F29012-02/1910105022W13D/Well 13**

**Lab Sample ID: 440-216051-1**

**Disinfection Station**

**Date Collected: 07/12/18 10:20**

**Matrix: Water**

**Date Received: 07/18/18 10:25**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	218.6		1			488086	07/19/18 00:34	MN	TAL IRV

**Client Sample ID: 8F29012-03/1910105023W14D/Well 14**

**Lab Sample ID: 440-216051-2**

**Disinfection Station**

**Date Collected: 07/12/18 10:08**

**Matrix: Water**

**Date Received: 07/18/18 10:25**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	218.6		1			488086	07/19/18 00:46	MN	TAL IRV

**Client Sample ID: 8F29012-05/1910105024W15D/Well 15**

**Lab Sample ID: 440-216051-3**

**Disinfection Station**

**Date Collected: 07/12/18 10:39**

**Matrix: Water**

**Date Received: 07/18/18 10:25**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	218.6		1			488086	07/19/18 00:58	MN	TAL IRV

## Laboratory References:

TAL IRV = TestAmerica Irvine, 17461 Derian Ave, Suite 100, Irvine, CA 92614-5817, TEL (949)261-1022

# QC Sample Results

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

## Method: 218.6 - Chromium, Hexavalent (Ion Chromatography)

Lab Sample ID: MB 440-488086/6  
Matrix: Water  
Analysis Batch: 488086

Client Sample ID: Method Blank  
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium, hexavalent	ND		1.0	0.25	ug/L			07/18/18 13:28	1

Lab Sample ID: LCS 440-488086/5  
Matrix: Water  
Analysis Batch: 488086

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	50.0	52.1		ug/L		104	90 - 110

Lab Sample ID: MRL 440-488086/4  
Matrix: Water  
Analysis Batch: 488086

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA

Analyte	Spike Added	MRL Result	MRL Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	1.00	1.02		ug/L		102	50 - 150

Lab Sample ID: 440-216054-G-2 MS  
Matrix: Water  
Analysis Batch: 488086

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chromium, hexavalent	0.49	J	50.0	50.5		ug/L		100	90 - 110

Lab Sample ID: 440-216054-G-2 MSD  
Matrix: Water  
Analysis Batch: 488086

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chromium, hexavalent	0.49	J	50.0	50.6		ug/L		100	90 - 110	0	10

## QC Association Summary

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

### HPLC/IC

#### Analysis Batch: 488086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
440-216051-1	8F29012-02/1910105022W13D/Well 13 Disinfect	Total/NA	Water	218.6	
440-216051-2	8F29012-03/1910105023W14D/Well 14 Disinfect	Total/NA	Water	218.6	
440-216051-3	8F29012-05/1910105024W15D/Well 15 Disinfect	Total/NA	Water	218.6	
MB 440-488086/6	Method Blank	Total/NA	Water	218.6	
LCS 440-488086/5	Lab Control Sample	Total/NA	Water	218.6	
MRL 440-488086/4	Lab Control Sample	Total/NA	Water	218.6	
440-216054-G-2 MS	Matrix Spike	Total/NA	Water	218.6	
440-216054-G-2 MSD	Matrix Spike Duplicate	Total/NA	Water	218.6	

## Definitions/Glossary

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

### Qualifiers

#### HPLC/IC

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

### Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

## Accreditation/Certification Summary

Client: Weck Laboratories, Inc.  
Project/Site: Paramount, City of-UCMR3

TestAmerica Job ID: 440-216051-1  
SDG: City of Paramount

### Laboratory: TestAmerica Irvine

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
California	LA Cty Sanitation Districts	9	10256	06-30-18 *
California	State Program	9	CA ELAP 2706	06-30-19

\* Accreditation/Certification renewal pending - accreditation/certification considered valid.

TestAmerica Irvine



WECK LABORATORIES, INC

# Subcontract Order

## Subcontracted Laboratory:

TestAmerica - Irvine  
17461 Derian Ave, Suite 100  
Irvine, CA 92614  
Phone: (949) 261-1022  
Fax: (949) 260-3297

Turn Around Time: Normal unless noted in comments

Project Manager: Valerie Rejuso

Project Name: Paramount, City of-UCMR3

Project Number: City of Paramount

Sampler Employed by: 216051

## Work Order: 8F29012

Analysis	Expires	Comments	
<b>Sample ID:</b> 8F29012-02/1910105022W13D/Well 13 Disinfection Station			<b>Sampled:</b> 07/12/2018 10:20
<b>Sample comment:</b> Cr6_218.6	07/26/2018 10:20		<b>Matrix:</b> Water <b>Sampled By:</b> Carlos Navarro
<b>Containers Supplied:</b>			
<b>Sample ID:</b> 8F29012-03/1910105023W14D/Well 14 Disinfection Station			<b>Sampled:</b> 07/12/2018 10:08
<b>Sample comment:</b> Cr6_218.6	07/26/2018 10:08		<b>Matrix:</b> Water <b>Sampled By:</b> Carlos Navarro
<b>Containers Supplied:</b>			
<b>Sample ID:</b> 8F29012-05/1910105024W15D/Well 15 Disinfection Station			<b>Sampled:</b> 07/12/2018 10:39
<b>Sample comment:</b> Cr6_218.6	07/26/2018 10:39		<b>Matrix:</b> Water <b>Sampled By:</b> Carlos Navarro
<b>Containers Supplied:</b>			



440-216051 Chain of Custody

## Remarks / Special Comments:

## Sample Condition

Temperature: 4-0/4.3

Preserved: Yes / No

Evidence Seal Intact: Yes / No

Container Attacked: Yes / No

Preserved at Lab: Yes / No

Isabel Sanchez 2-18-18 10:25 AM

Relinquished By \_\_\_\_\_ Date / Time \_\_\_\_\_ Received By \_\_\_\_\_ Date / Time \_\_\_\_\_

Relinquished By \_\_\_\_\_ Date / Time \_\_\_\_\_ Received By [Signature] 7/18/18 1025 Date / Time \_\_\_\_\_

## Login Sample Receipt Checklist

Client: Weck Laboratories, Inc.

Job Number: 440-216051-1  
SDG Number: City of Paramount

**Login Number: 216051**

**List Number: 1**

**Creator: Escalante, Maria I**

**List Source: TestAmerica Irvine**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	N/A	Not present
Sample custody seals, if present, are intact.	N/A	Not Present
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	False	

