

CITY OF LOMITA



# Cypress Water Production Facility Monthly Status Report

---

October 2015

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**CITY COUNCIL**

HENRY SANCHEZ JR.  
JIM GAZELEY  
MICHAEL G. SAVIDAN  
BEN TRAINA  
MARK WARONEK



**CITY OF LOMITA**

**ADMINISTRATION**

STEPHEN BURRELL  
INTERIM CITY MANAGER

November 10, 2015

Mr. Paul Williams, P.E.  
District Engineer – Hollywood District  
State Water Resources Control Board – Division of Drinking Water  
500 North Central Avenue, Suite 500  
Glendale, CA 91203

Subject: System No. 1910073 - Monthly Report for the Cypress Water Production Facility (CWPF) for the period of October 1 through October 31, 2015.

Dear Mr. Williams,

In accordance with the Department of Public Health temporary approval letter dated March 15, 2013 and Permit Amendment No. 1910073, I am submitting the following report for the Cypress Water Production Facility operations for the month of October 2015.

If you should have any questions or concerns, please contact me at 310-325-7110 x124.

Sincerely,

Mark A. McAvoy, P.E.  
Public Works Director/City Engineer

## **A. BACKGROUND**

On March 15, 2013, the City of Lomita received conditional approval from the Department of Public Health (DPH) to distribute blended water from the Cypress Water Production Facility (CWPF) Well No. 5 to the City's customers.

The CWPF is an iron-manganese greensand filtration treatment system designed to remove primarily iron, manganese, and color. The CWPF was recently modified to enable aeration and blending with Metropolitan Water District (MWD) imported water to address the aesthetic secondary issues of Total Dissolved Solids (TDS), Hardness (as Calcium Carbonate), and Taste/Odor.

The CWPF came online on April 1, 2013. The first week of operations from April 1 to April 5, 2013 was utilized for conducting routine startup activities. The distribution of blended water to the City's residents began on April 5, 2013.

## **B. WELL PRODUCTION AND OPERATIONS**

For the month of October 2015, the CWPF operated on a fill and draw cycle providing blended water with the reservoir level fluctuating with system demand. The Cypress Reservoir operated as follows: filled for 15 days, drew for 13 days and was isolated for 3 days. The Cypress Reservoir was used to free chlorinate Zone I of the City's distribution system for the month of October 2015.

The total production from Well No. 5 for the month was approximately 50.01 ac-ft (16,295,404 gallons) with a daily production of approximately 3.33 ac-ft. The total combined production from both MWD import water and Well No. 5 was approximately 96.87 ac-ft (31,562,395 gallons) for the month with a combined daily production of approximately 6.46 ac-ft.

The daily average flow from Well No. 5 was 810 gpm. The average flow from the Well was determined by taking an average of the daily reads provided on the Daily Monitoring logs used onsite. The blend ratio for this month was on average 52% Well water and 48% MWD water.

## **C. OPERATIONAL INTERRUPTIONS**

The Cypress Reservoir supplied free chlorinated water to Zone I of the City's distribution system for the month of October 2015. Staff will switch back to supplying chloraminated in early November 2015. Routine and preventive maintenance was performed on various pieces of equipment as-needed.

## **D. SAMPLE LOCATIONS**

Compliance monitoring is performed at the following sample locations: SP1, SP2, SP3, SP5, and SP6. The SP1 sample location is the raw well water sample location. The SP2 sample location is on the effluent side of the greensand filter (before ammonia injection or full chloramination). The SP3 sample location is downstream of the greensand filter after full chloramination and the static mixer before entering the reservoir. The SP5 sample location is



the reservoir effluent sample location before entering the distribution system. The SP6 sample location is the MWD source sample location before blending occurs.

## **E. WATER QUALITY MONITORING**

All water quality monitoring analyses were performed by laboratories certified by the Department of Health's Environmental Laboratory Accreditation Branch (ELAB). The CWPF has been continuously monitored, maintained and inspected, per the CWPF Operations Monitoring and Maintenance Plan. A brief discussion of the laboratory and/or monitoring results is provided below. Refer to Appendix A for laboratory results.

### **E1. IRON, MANGANESE AND COLOR**

See Table 1 below for a summary of the results for the compliance monitoring at the three sample locations SP1 through SP3. Color in the raw water (SP1) for the month was non detect. Iron concentration in the raw water (SP1) was below the MCL. Manganese concentration in the raw water (SP1) was also above the MCL. Iron and Manganese levels entering the reservoir (SP3) were non-detect, indicating the greensand filtration system remains highly effective. Other additional bacteriological laboratory samples collected included Total Coliform and Heterotrophic Plate Count (HPC) levels on the effluent side of the greensand filter (SP2) showing absent for both.

### **E2. FREE AND TOTAL CHLORINE RESIDUALS**

Daily free chlorine residuals were monitored at SP2, SP3 and SP4. Daily total chlorine residuals were monitored at SP3 and SP5. Free chlorine and total chlorine residuals, at all respective sample points, were monitored using a combination of continuous chlorine analyzers and SCADA. See Table 2 below for a weekly summary of results. **For the month of October, only free chlorine data was recorded as Zone I was strictly supplied with free chlorinated water.**

### **E3. TOTAL DISSOLVED SOLIDS (TDS), ODOR, HARDNESS AND METHANE**

See Table 3 below for a summary of the results for the monitoring of Total Dissolved Solids (TDS), Odor (as measured by the Threshold Odor No. - T.O.N.), Total Hardness as Calcium Carbonate, and Methane levels in water at three sample locations SP1, SP5 and SP6.

#### **E3-1 TOTAL DISSOLVED SOLIDS (TDS)**

The sampling results indicate the TDS levels of the effluent blended water to be on average 708 mg/L. The TDS level of the effluent water meets the City's Water Quality Objective/Goal of 500 to 750 mg/L. The sampling results indicate the TDS levels in the raw water and MWD water source to be 720 mg/L and 600 mg/L, respectively.

### **E3-2 HARDNESS**

The sampling results for the month of October indicate the hardness levels of the blended water to be 280 mg/L. Although, this hardness level is in the upper range of the City's Water Quality Objective/Goal of 180 to 250 mg/L; staff continues to monitor hardness levels at the CWPF effluent (SP5) and within the water distribution system. The City has maintained a consistent blend ratio to ensure acceptable hardness levels are met.

Staff continues to use an orthophosphate/polyphosphate additive to sequester calcium hardness. Orthophosphate/Polyphosphate is a food grade National Sanitation Foundation (NSF 60) approved additive which decreases iron tuberculation, diminishes calcium scale deposits, minimizes corrosion, reduces discoloration, reduces staining and mineral build-up resulting in fewer customer complaints.

### **E3-3 DISSOLVED METHANE (IN WATER)**

The methane levels in the CWPF effluent after aeration treatment remain negligible averaging 0.93 mg/L.

### **E3-4 METHANE (IN AIR)**

The methane levels in the reservoir headspace are monitored daily by staff using a handheld device. These readings have consistently read non-detect to low concentrations for methane in air. Available methane hand held monitoring instruments can only detect levels of 1% Lower Explosive Limit (LEL) or greater. The handheld methane readings during the month were below the 50,000 ppm LEL. See attached methane log for the month of October 2015 in Appendix B.

## **E4. NITRIFICATION MONITORING**

Daily Nitrification sampling was performed during the month of October. See Appendix C.

## F. TABLES

Table 1. Monitoring Results for SP1, SP2, and SP3 Sample Locations.

Date, week of	SP1, Well Raw Water Discharge							SP2, Combined Pressure Filter Effluent			SP3, After chloramination static mixer; reservoir entry					
	Iron, ug/L	*MCL = 3 00 ug/L	Manganese, ug/L	*MCL = 50 ug/L	Color	*MCL=15	Total Coliform	Total Coliform	HPC, MPN/100mL	MCL=500	Iron, mg/L	*MCL = 300 ug/L	Manganese, mg/L	*MCL = 50 ug/L	Color	*MCL=15
10/8/2015											ND	300	ND	50	ND	15
10/14/2015	270	300	140	50	ND	15	A	A	A	500	ND	300	ND	50	ND	15
10/21/2015											ND	300	ND	50	ND	15
10/28/2015											ND	300	ND	50	ND	15

Notes: Monthly- Orange      Weekly- Yellow

A – Absent

ND – Non Detect

\*Per the SWRCB Drinking Water “Chemicals and Contaminants in Drinking Water” Regulations

Table 2. Monitoring Results for Free and Total Chlorine at SP2, SP3, SP4 and SP5 Sample Locations.

Date, week of	SP2	SP3		SP4	SP5
	Free Cl	Free Cl	Total Cl	Free Cl	Free Cl
10/8/2015	10.00	11.44	X	3.96	2.88
10/14/2015	9.38	9.31	X	4.34	2.05
10/21/2015	13.06	13.03	X	5.17	2.35
10/28/2015	8.21	8.36	X	3.11	1.82

\*CWPF free chlorinated Zone I of the distribution system for the entire month of October.

Table 3. Monitoring Requirements and Frequencies for SP1, SP5, and SP6.

Date, week of	TDS, mg/L				T.O.N.		Hardness, mg/L		Methane (Water), mg/L	
	SP1 - Raw Well Water	SP6 - MWD Water	SP5 - Reservoir Effluent	Goal= 500 - 750 mg/L	SP5 - Reservoir Effluent	MCL= 3	SP5 - Reservoir Effluent	Goal= 180 - 250 mg/L	SP1 - Raw Well Water	SP5 - Reservoir Effluent
10/8/2015			700	500-750						0.83
10/14/2015	720	600	700	500-750	1	3			4.6	0.95
10/21/2015			740	500-750						0.82
10/28/2015			690	500-750			280	180-250		1.1
<b>Average</b>			<b>708</b>							<b>0.93</b>

**Notes:** Monthly- Orange      Weekly- Yellow  
 ppm – parts per million  
 mg/L – milligram per liter  
 T.O.N. - Threshold Odor Number  
 TDS - Total Dissolved Solids  
 Hardness - As total CaCO<sub>3</sub>  
 Methane (Water) - Methane dissolved in water

## **APPENDIX A**

### **LABORATORY RESULTS**



# *Clinical Laboratory of San Bernardino, Inc.*



04 November 2015

Clinical Lab No.: 15J2340

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: CWPF Weekly Non-Comp Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 10/28/15 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles  
Client Services Manager

# Clinical Laboratory of San Bernardino, Inc.



**Lomita, City of**  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: CWP Weekly Non-Comp Analysis  
Project Manager: Mark Andersen

Work Order: 15J2340  
Received: 10/28/15 15:45  
Reported: 11/04/15

**Reservoir Effluent Site #5**      **15J2340-01 (Water)**      **Sample Date:** 10/28/15 12:30      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Chemical Analyses

<b>Alkalinity, Total (as CaCO<sub>3</sub>)</b>	SM 2320 B	<b>230</b>	5.0	N/A	mg/L	10/30/15	10/30/15	1544531	
<b>Hardness, Total (as CaCO<sub>3</sub>)</b>	Calculated	<b>280</b>	6.6	N/A	mg/L	11/02/15	11/02/15	[CALC]	

## Metals

<b>Calcium (Ca)</b>	EPA 200.7	<b>72</b>	1.0	N/A	mg/L	11/02/15	11/02/15	1545017	
<b>Magnesium (Mg)</b>	EPA 200.7	<b>25</b>	1.0	N/A	mg/L	11/02/15	11/02/15	1545017	
<b>Manganese (Mn)</b>	EPA 200.7	<b>ND</b>	20	50	ug/L	11/03/15	11/03/15	1545025	

ND      Analyte NOT DETECTED at or above the reporting limit

Clinical Laboratory of San Bernardino, Inc.

15 52340

Chain of Custody

Client		City of Lomita		System Number		Analysis Requested																	
Address		24373 Walnut Avenue Lomita, CA 91717		1910073		Destination Laboratory		Methane (WATER) (RSK175)		Odor		Phosphorus- Total as P		Phosphate- Ortho as P		Total Dissolved Solids		Total Hardness (as CaCo3)		Total Alkalinity		Comments / P.S. Codes	
Phone #		(310) 325-9830				[X] Clinical Laboratory																	
Fax #		(310) 325-3627				CDHP Compliance																	
Project		Standard Analysis																					
Sub Project		CWPF Weekly Non-Comp. Analysis																					
Comments		Edward J. Viver																					
Sampled by		Edward J. Viver																					
Date		Time		Sample Identification		Matrix		Type		Preserv		Total Chlorine											
				Raw Water Site #1		DW		1W		N/A													
				Filter Effluent Site #3		DW		1W		N/A													
				Reservoir Influent Site #4		DW		1W		N/A													
10/28/15		12:30		Reservoir Effluent Site #5		DW		1W		N/A		-		X		X						X	
				Zone #2 Site #6		DW		1W		N/A													
								</															

# *Clinical Laboratory of San Bernardino, Inc.*



05 November 2015

Clinical Lab No.: 15J2341

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: CWPF Weekly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 10/28/15 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', is written over a light gray rectangular background.

Stu Styles

Client Services Manager

# Clinical Laboratory of San Bernardino, Inc.



**Lomita, City of**  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: CWPF Weekly Compliance Analysis  
Project Manager: Mark Andersen

Work Order: 15J2341  
Received: 10/28/15 15:45  
Reported: 11/05/15

**Filter Effluent Site (Chloramine) #3**      **15J2341-01 (Water)**      **Sample Date:** 10/28/15 12:40      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	10/28/15	10/28/15	1544485	
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## Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	10/30/15	10/30/15	1544567	
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Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	10/30/15	10/30/15	1544567	
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**Reservoir Effluent Site #5**      **15J2341-02 (Water)**      **Sample Date:** 10/28/15 12:38      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Chemical Analyses

<b>Total Filterable Residue/TDS</b>	SM 2540C	<b>690</b>	5.0	1000	mg/L	11/02/15	11/03/15	1545014	
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ND      Analyte NOT DETECTED at or above the reporting limit



# *Clinical Laboratory of San Bernardino, Inc.*

## **EDT Transfer Confirmation 1**



Work Order: 15J2341

Report Date: 11/05/2015

Analyzing Lab: Clinical Laboratory of San Bernardino, Inc. ELAP 1088

Page 1 of 1

LOMITA-CITY, WATER DEPT.

User ID: 4TH

System: 1910073

WELL 05 TREATMENT PLANT EFFLUENT

Station No.: 1910073-006

Sampled: 151028 12:40

COLOR

Result: ND

Units: UNITS

Entry No.: 00081

Analyzed: 151028

IRON

Result: ND

Units: UG/L

Entry No.: 01045

Analyzed: 151030

MANGANESE

Result: ND

Units: UG/L

Entry No.: 01055

Analyzed: 151030



## Certificate of Analysis

Project: 15J2341

Report Date: 11/05/15 13:25

Received Date: 10/29/15 12:50

Turnaround Time: 5 workdays

Phones: (909) 825-7693

Fax: (909) 825-7696

P.O. #:

Attn: John Styles

Client: Clinical Laboratory of San Bernardino, Inc.  
21881 Barton Road  
Grand Terrace, CA 92313

Dear John Styles :

Enclosed are the results of analyses for samples received 10/29/2015 with the Chain of Custody document. The samples were received in good condition, at 4.9 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5J29036-01

Sample ID: 15J2341-02 Reservoir Effluent Site #5

Matrix: Water

Sampled by: Client

Sampled: 10/28/15 12:38

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	1.1		0.010	mg/l	1	RSK-175	11/3/15	11/3/15 18:03	W5K0211	



## Certificate of Analysis

## Quality Control Section

## Dissolved Gases in Water by RSK-175 - Quality Control

## Batch W5K0211 - RSK-175

## Blank (W5K0211-BLK1)

Prepared: 11/03/15 Analyzed: 11/03/15 14:25

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		ND		mg/l					

## LCS (W5K0211-BS1)

Prepared: 11/03/15 Analyzed: 11/03/15 16:43

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.196		mg/l	0.198	99	85-115		

## Calibration Check (W5K0211-CCV1)

Prepared: 11/03/15 Analyzed: 11/03/15 17:23

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.00740		mg/l	0.00792	93	0-200		

## Calibration Check (W5K0211-CCV2)

Prepared: 11/03/15 Analyzed: 11/03/15 17:43

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.195		mg/l	0.198	98	0-200		

## Duplicate (W5K0211-DUP1)

Source: 5J22049-01

Prepared: 11/03/15 Analyzed: 11/03/15 18:43

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.819 .....	0.835		mg/l				2	20



## Certificate of Analysis

**Notes:**

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Authorized Signature**

Contact: Brandon Gee  
(Project Manager)



ELAP # 1132  
LACSD # 10143  
NELAC #4047-002 ORELAP

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.*

**Flags for Data Qualifiers:**

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

**SUBCONTRACT ORDER**  
**Clinical Laboratory of San Bernardino**  
**15J2341**

552a03c

**SENDING LABORATORY:**

Clinical Laboratory of San Bernardino  
21881 Barton Road  
Grand Terrace, CA 92313  
Phone: 909.825.7693  
Fax: 909.825.7696  
Project Manager: Stu Styles

**RECEIVING LABORATORY:**

Weck Lab, Analytical & Environmental  
Analytical & Environmental Svc 14859 E Clark Ave  
Industry, CA 91745  
Phone : (626) 336-2139  
Fax: (626) 336-2634

Please email results to Project Manager: Stu Styles

[ ] glaubig@clinical-lab.com [ ] ybarra@clinical-lab.com [x] styles@clinical-lab.com [ ] cole@clinical-lab.com

California EDT transfer those samples with PS codes provided [ ] Yes [x] No

Transfer File requested; log in with Element ID only [ ] Yes [x] No

Turn Around Time [ ] 10 Days [x] 5 Days [ ] Other \_\_\_ Days

Subcontract Comments:

**Analysis**

**Comments**

Sample ID: Reservoir Effluent Site #5 / 15J2341-02

Sampled: 10/28/15 12:38 PS Code:  
Water

WTX ID:

Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

4.9



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Chain of Custody

*"Your Water and Wastewater Analysis Solution"*

*"Your Water and Wastewater Analysis Solution"*

# *Clinical Laboratory of San Bernardino, Inc.*



05 November 2015

Clinical Lab No.: 15J1820

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: CWPF Weekly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 10/21/15 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles  
Client Services Manager

# Clinical Laboratory of San Bernardino, Inc.



**Lomita, City of**  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: CWPF Weekly Compliance Analysis  
Project Manager: Mark Andersen

Work Order: 15J1820  
Received: 10/21/15 16:00  
Reported: 11/05/15

**Filter Effluent Site (Chloramine) #3**      **15J1820-01 (Water)**      **Sample Date:** 10/21/15 8:58      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	10/22/15	10/22/15	1543531	
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## Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	10/27/15	10/27/15	1544065	
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Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	10/27/15	10/27/15	1544065	
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**Reservoir Effluent Site #5**      **15J1820-02 (Water)**      **Sample Date:** 10/21/15 9:25      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Chemical Analyses

<b>Total Filterable Residue/TDS</b>	SM 2540C	<b>740</b>	5.0	1000	mg/L	10/22/15	10/23/15	1543393	
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ND      Analyte NOT DETECTED at or above the reporting limit

# *Clinical Laboratory of San Bernardino, Inc.*

## **EDT Transfer Confirmation 1**



Work Order: 15J1820

Report Date: 11/05/2015

Analyzing Lab: Clinical Laboratory of San Bernardino, Inc. ELAP 1088

Page 1 of 1

LOMITA-CITY, WATER DEPT.

User ID: 4TH

System: 1910073

WELL 05 TREATMENT PLANT EFFLUENT

Station No.: 1910073-006

Sampled: 151021 08:58

COLOR

Result: ND

Units: UNITS

Entry No.: 00081

Analyzed: 151022

IRON

Result: ND

Units: UG/L

Entry No.: 01045

Analyzed: 151027

MANGANESE

Result: ND

Units: UG/L

Entry No.: 01055

Analyzed: 151027



## Certificate of Analysis

Project: 15J1820

Report Date: 11/05/15 11:34

Received Date: 10/22/15 12:22

Turnaround Time: 5 workdays

Phones: (909) 825-7693

Fax: (909) 825-7696

P.O. #:

Attn: John Styles

Client: Clinical Laboratory of San Bernardino, Inc.  
21881 Barton Road  
Grand Terrace, CA 92313

Dear John Styles :

Enclosed are the results of analyses for samples received 10/22/2015 with the Chain of Custody document. The samples were received in good condition, at 2.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5J22049-01

Sample ID: Reservoir Effluent Site #5 / 15J1820-02

Matrix: Water

Sampled by: Client

Sampled: 10/21/15 09:25

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	0.82		0.010	mg/l	1	RSK-175	11/3/15	11/3/15 18:23	W5K0211	





## Certificate of Analysis

## Quality Control Section

## Dissolved Gases in Water by RSK-175 - Quality Control

## Batch W5K0211 - RSK-175

## Blank (W5K0211-BLK1)

Prepared: 11/03/15 Analyzed: 11/03/15 14:25

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		ND		mg/l					

## LCS (W5K0211-BS1)

Prepared: 11/03/15 Analyzed: 11/03/15 16:43

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.196		mg/l	0.198	99	85-115		

## Calibration Check (W5K0211-CCV1)

Prepared: 11/03/15 Analyzed: 11/03/15 17:23

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.00740		mg/l	0.00792	93	0-200		

## Calibration Check (W5K0211-CCV2)

Prepared: 11/03/15 Analyzed: 11/03/15 17:43

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.195		mg/l	0.198	98	0-200		

## Duplicate (W5K0211-DUP1)

Source: 5J22049-01

Prepared: 11/03/15 Analyzed: 11/03/15 18:43

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.819 .....	0.835		mg/l				2	20



## Certificate of Analysis

**Notes:**

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Authorized Signature**

Contact: Brandon Gee  
(Project Manager)



ELAP # 1132  
LACSD # 10143  
NELAC #4047-002 ORELAP

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.*

**Flags for Data Qualifiers:**

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

## SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino

15J1820

5522049

SENDING LABORATORY:

Clinical Laboratory of San Bernardino  
21881 Barton Road  
Grand Terrace, CA 92313  
Phone: 909.825.7693  
Fax: 909.825.7696  
Project Manager: Stu Styles

RECEIVING LABORATORY:

Weck Lab, Analytical & Environmental  
Analytical & Environmental Svc 14859 E Clark Ave  
Industry, CA 91745  
Phone : (626) 336-2139  
Fax: (626) 336-2634

Please email results to Project Manager: Stu Styles

[ ] glaubig@clinical-lab.com [ ] ybarra@clinical-lab.com [x] styles@clinical-lab.com [ ] cole@clinical-lab.com

California EDT transfer those samples with PS codes provided [ ] Yes [x] No

Transfer File requested; log in with Element ID only [ ] Yes [x] No

Turn Around Time [ ] 10 Days [x] 5 Days [ ] Other \_\_\_ Days

Subcontract Comments:

AnalysisComments

Sample ID: Reservoir Effluent Site #5 / 15J1820-02

Sampled: 10/21/15 09:25 PS Code:  
Water

WTX ID:

Methane RSK175

Report in mg/L.

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

10/22/15 9:00

10-22-15 12:22

10-22-15

10/22/15 12:22

10:15

2.1<sup>u</sup>

Client	City of Lomita	System Number	Analysis Requested													
Address	24373 Walnut Avenue Lomita, CA 91717	1910073														
Phone #	(310) 325-9830	Destination Laboratory														
Fax #	(310) 325-3627	[X] Clinical Laboratory														
Project	Standard Analysis	CDWR Compliance														
Sub Project	CWPF Weekly Compliance Analysis	YES														
Comments		ELAP #														
Sampled by	Edward D. Viver	1088														
Date	Time	Sample Identification	Matrix	Type	Preserv	Total Chlorine	Iron	Manganese	Total Dissolved Solids	Phosphate- Ortho as P	Phosphorus- Total as P	Color	Methane (WATER) (RSK175)	Methane (AIR) (ASTM D1946)	Comments / P.S. Codes	
10/21/15	0855	Raw Water Site #1	DW	1W	HCL										W13-005	
		Raw Water Site #1	DW	1W	N/A										W13-005	
		Filter Effluent Site (Chloramine) #3	DW	1W	N/A	—	X	X				X			E13-005A	
10/21/15	0857	Reservoir Effluent Site #5	DW	1W	N/A	—			X							
10/21/15	0925	Reservoir Effluent Site #5	DW	1W	HCL	—							X			
		Zone #2 Site #6	DW	1W	N/A											
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:			Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW-Ground Water, A-Air Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special W-Well D-Dist.													
Relinquished By (Sign)	Print Name / Company	Date / Time	Received By (Sign)		Print Name / Company											
[Signature]	Edward D. Viver	10/21/15 1323	[Signature]		J. B. [Signature]											
Comments:	City of Lomita	10-21-15/4100	Samples received: (X) On ice ( ) Intact ( ) Custody seals		Temp 15.7 ( ) F (X) C											
Shipped Via	[ ] Fed X [ ] Golden State [ ] UPS [ ] Client [ ] Other	Page 1 of 1														

# *Clinical Laboratory of San Bernardino, Inc.*



22 October 2015

Clinical Lab No.: 15J1362

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Monthly Compliance

Enclosed are the results of the analyses for samples received at the laboratory on 10/15/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles

Client Services Manager

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Monthly Compliance  
Project Manager: Mark Andersen

Work Order: 15J1362  
Received: 10/15/15 15:50  
Reported: 10/22/15

**Filter Effluent Site (Total Chlorine) #3**      **15J1362-01 (Water)**      **Sample Date:** 10/15/15 8:25      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	10/16/15	10/16/15	1542651	
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## Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	10/20/15	10/20/15	1543157	
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Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	10/20/15	10/20/15	1543157	
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**Zone #2 Site #6**      **15J1362-02 (Water)**      **Sample Date:** 10/15/15 8:29      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Chemical Analyses

<b>Total Filterable Residue/TDS</b>	SM 2540C	<b>600</b>	5.0	1000	mg/L	10/20/15	10/20/15	1543016	
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ND      Analyte NOT DETECTED at or above the reporting limit

# Clinical Laboratory of San Bernardino, Inc.

## EDT Transfer Confirmation 1



Work Order: 15J1362

Report Date: 10/22/2015

Analyzing Lab: Clinical Laboratory of San Bernardino, Inc. ELAP 1088

Page 1 of 1

LOMITA-CITY, WATER DEPT.

User ID: 4TH

System: 1910073

WELL 05 TREATMENT PLANT EFFLUENT

Station No.: 1910073-006

Sampled: 151015 08:25

COLOR

Result: ND

Units: UNITS

Entry No.: 00081

Analyzed: 151016

IRON

Result: ND

Units: UG/L

Entry No.: 01045

Analyzed: 151020

MANGANESE

Result: ND

Units: UG/L

Entry No.: 01055

Analyzed: 151020

Client		City of Lomita		System Number		Analysis Requested										
Address		24373 Walnut Avenue		1910073												
Phone #		(310) 325-9830		Destination Laboratory												
Fax #		(310) 325-3627		[X] Clinical Laboratory												
Project		Standard Analysis		RWQCB Compliance												
Sub Project		Monthly Compliance		YES												
Comments				ELAP #												
Sampled by		Edward Dulliver		1088												
Date	Time	Sample Identification	Matrix	Type	Preserv	Total Chlorine	Total Dissolved Solids	Iron & Manganese	E. Coli	Total Coliform	Heterotrophic Plate Count	Color	Odor	Methane (WATER) (RSK175)	Comments / P.S. Codes	
		Raw Water Site #1	CW	IW	N/A											
		Raw Water Site #1	CW	IW	2,7											
		Raw Water Site #1	CW	IW	1,7											
		Filter Effluent (Free Chlorine) Site#2	DW	IW	1,7											
10/15/15	0825	Filter Effluent (Total Chlorine) Site#3	DW	IW	N/A	—		X				X				
10/15/15	0829	Zone #2 Site #6	DW	ID	N/A	—	X									
		Reservoir Effluent Site #5	DW	ID	N/A											
		Reservoir Effluent Site #5	DW	ID	2,7											
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:																
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)		Print Name / Company								
Edward Dulliver		City of Lomita, CA		10/15/15 2:45		M. Clark		CCSB								
m. Clark		CCSB		10/15/15 3:50		M. Clark		CCSB								
Comments:		Samples received: ( ) On ice ( ) Intact ( ) Custody seals Temp 17 ( ) F ( ) C														
Shipped Via		Fed X		Golden State		UPS		Client		Other		Page 1 of 1				



# *Clinical Laboratory of San Bernardino, Inc.*



28 October 2015

Clinical Lab No.: 15J1292

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: CWPF Monthly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 10/14/15 . Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles  
Client Services Manager

# Clinical Laboratory of San Bernardino, Inc.



**Lomita, City of**  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: CWPf Monthly Compliance Analysis  
Project Manager: Mark Andersen

Work Order: 15J1292  
Received: 10/14/15 15:15  
Reported: 10/28/15

## Raw Water Site #1

15J1292-01 (Water)

Sample Date: 10/14/15 12:27 Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### Field Analyses

Cl Res Free (Field)	Field	0		N/A	mg/L	10/14/15	10/14/15	1542547	
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### General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	10/15/15	10/15/15	1542650	
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### General Chemical Analyses

Total Filterable Residue/TDS	SM 2540C	720	5.0	1000	mg/L	10/20/15	10/20/15	1543016	
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### Metals

Iron (Fe)	EPA 200.7	270	100	300	ug/L	10/20/15	10/20/15	1543157	
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Manganese (Mn)	EPA 200.7	140	20	50	ug/L	10/20/15	10/20/15	1543157	
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## Filter Effluent Site #2

15J1292-02 (Water)

Sample Date: 10/14/15 11:24 Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### Field Analyses

Cl Res Free (Field)	Field	2.56		N/A	mg/L	10/14/15	10/14/15	1542547	
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### Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	10/14/15	10/15/15	1542504	
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E. Coli	SM 9223	A		N/A	P/A	10/14/15	10/15/15	1542504	
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Plate Count	SM9215B	8	1	500	CFU/ml	10/14/15	10/16/15	1542635	
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## Reservoir Effluent Site #5

15J1292-03 (Water)

Sample Date: 10/14/15 11:51 Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### General Physical Analyses

Odor Threshold	EPA 140.1M	1	1	3	TON	10/14/15	10/14/15	1542649	
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### General Chemical Analyses

Total Filterable Residue/TDS	SM 2540C	700	5.0	1000	mg/L	10/20/15	10/20/15	1543016	
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## Raw Water Site #1

15J1292-04 (Water)

Sample Date: 10/14/15 12:26 Sampler: Not Listed

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	10/14/15	10/15/15	1542504	
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E. Coli	SM 9223	A		N/A	P/A	10/14/15	10/15/15	1542504	
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# *Clinical Laboratory of San Bernardino, Inc.*



**Lomita, City of**  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: CWPF Monthly Compliance Analysis  
Project Manager: Mark Andersen

Work Order: 15J1292  
Received: 10/14/15 15:15  
Reported: 10/28/15

ND Analyte NOT DETECTED at or above the reporting limit

# Clinical Laboratory of San Bernardino, Inc.

## EDT Transfer Confirmation 1



Work Order: 15J1292

Report Date: 10/28/2015

Analyzing Lab: Clinical Laboratory of San Bernardino, Inc. ELAP 1088

Page 1 of 1

LOMITA-CITY, WATER DEPT.

User ID: 4TH

System: 1910073

WELL 05

Station No.: 1910073-003

Sampled: 151014 12:27

COLOR

Result: ND

Units: UNITS

Entry No.: 00081

Analyzed: 151015

IRON

Result: 270

Units: UG/L

Entry No.: 01045

Analyzed: 151020

MANGANESE

Result: 140

Units: UG/L

Entry No.: 01055

Analyzed: 151020

TOTAL DISSOLVED SOLIDS

Result: 720

Units: MG/L

Entry No.: 70300

Analyzed: 151020



## Certificate of Analysis

Project: 15J1292

Report Date: 10/22/15 17:49

Received Date: 10/16/15 10:40

Turnaround Time: 5 workdays

Phones: (909) 825-7693

Fax: (909) 825-7696

P.O. #:

Attn: John Styles

Client: Clinical Laboratory of San Bernardino, Inc.  
21881 Barton Road  
Grand Terrace, CA 92313

Dear John Styles :

Enclosed are the results of analyses for samples received 10/16/2015 with the Chain of Custody document. The samples were received in good condition, at 4.5 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5J16031-01      Sample ID: Raw Water #1/ 15J1292-01      Matrix: Water  
Sampled by: Client      Sampled: 10/14/15 12:27

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	4.6		0.050	mg/l	5	RSK-175	10/19/15	10/19/15 15:28	W5J1008	

Lab ID: 5J16031-02      Sample ID: Reservoir Effluent Site #5/ 15J1292-03      Matrix: Water  
Sampled by: Client      Sampled: 10/14/15 11:51

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	0.95		0.010	mg/l	1	RSK-175	10/19/15	10/19/15 16:20	W5J1008	



## Certificate of Analysis

## Quality Control Section

## Dissolved Gases in Water by RSK-175 - Quality Control

## Batch W5J1008 - RSK-175

## Blank (W5J1008-BLK1)

Prepared: 10/19/15 Analyzed: 10/19/15 14:09

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		ND		mg/l					

## LCS (W5J1008-BS1)

Prepared: 10/19/15 Analyzed: 10/19/15 14:48

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.190		mg/l	0.198	96	85-115		

## Calibration Check (W5J1008-CCV1)

Prepared: 10/19/15 Analyzed: 10/19/15 14:29

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.00930		mg/l	0.00792	117	0-200		

## Calibration Check (W5J1008-CCV2)

Prepared: 10/19/15 Analyzed: 10/19/15 16:59

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.209		mg/l	0.198	106	0-200		

## Duplicate (W5J1008-DUP1)

Source: 5J16031-02

Prepared: 10/19/15 Analyzed: 10/19/15 16:39

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.946 .....	0.898		mg/l				5	20



## Certificate of Analysis

**Notes:**

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Authorized Signature**

Contact: Brandon Gee  
(Project Manager)



ELAP # 1132  
LACSD # 10143  
NELAC #4047-002 ORELAP

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.*

**Flags for Data Qualifiers:**

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

**SUBCONTRACT ORDER**  
**Clinical Laboratory of San Bernardino**  
**15J1292**

5J16031  
~~5J16030~~ AH

**SENDING LABORATORY:**

Clinical Laboratory of San Bernardino  
21881 Barton Road  
Grand Terrace, CA 92313  
Phone: 909.825.7693  
Fax: 909.825.7696  
Project Manager: Stu Styles

**RECEIVING LABORATORY:**

Weck Lab, Analytical & Environmental  
Analytical & Environmental Svc 14859 E Clark Ave  
Industry, CA 91745  
Phone : (626) 336-2139  
Fax: (626) 336-2634

Please email results to Project Manager: Stu Styles

[ ] glaubig@clinical-lab.com [ ] ybarra@clinical-lab.com [x] styles@clinical-lab.com [ ] cole@clinical-lab.com

California EDT transfer those samples with PS codes provided [ ] Yes [x] No

Transfer File requested; log in with Element ID only [ ] Yes [x] No

Turn Around Time [ ] 10 Days [x] 5 Days [ ] Other \_\_\_ Days

Subcontract Comments:

**Analysis**

**Comments**

**Sample ID: Raw Water Site #1 / 15J1292-01**

**Sampled: 10/14/15 12:27 PS Code: 1910073-003**  
**Water WTX ID:**

Methane RSK175

Report in mg/L

Containers Supplied:

40mL Amber Vial w/ Na2S2O3 (B)

40mL Amber Vial w/ Na2S2O3 (C)

**Sample ID: Reservoir Effluent Site #5 / 15J1292-03**

**Sampled: 10/14/15 11:51 PS Code:**  
**Water WTX ID:**

Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

*Bob Shy*

10/16/15 07:45

*Chris McKinney*

10-16-15 10:40

*Chris McKinney*

10-16-15 9:30

10-16-15 10:40 4.5



Client		City of Lomita		System Number		Analysis Requested										
Address		24373 Walnut Avenue Lomita, CA 91717		1910073												
Phone #		(310) 325-9830		Destination Laboratory												
Fax #		(310) 325-3627		[X] Clinical Laboratory												
Project		Standard Analysis		CDWR Compliance												
Sub Project		CWPF Monthly Compliance Analysis		YES												
Comments				ELAP #												
Sampled by				1088												
Date	Time	Sample Identification	Matrix	Type	Preserv	Free Chlorine	Iron	Manganese	Total Dissolved Solids	Total Coliform	E. Coli	Color	Methane (WATER) (RSK175)	ODOR	Heterotrophic Plate Count	Comments / P.S. Codes
10/14/15	1227	Raw Water Site #1	DW	1W	HCL	0.00							X			
10/14/15	1322	Raw Water Site #1	DW	1W	N/A	0.00	X	X	X			X				
10/14/15	1127	Filter Effluent Site #2	DW	1W	1,7	2.56			X							
10/14/15	1425	Filter Effluent Site #3	DW	1W	N/A	0.52	X					X				
10/14/15	1425	Filter Effluent Site #3	DW	1W	1,7	0.52										
10/17/15	1145	Reservoir Effluent Site #5	DW	1D	N/A				X							
10/17/15	1151	Reservoir Effluent Site #5	DW	1D	HCL								X			
10/17/15	1150	Reservoir Effluent Site #5	DW	1D	N/A				X							
10/17/15	1226	Raw Water Site #1	DW	1D	N/A											
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:																
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)		Print Name / Company								
[Signature]		Edward D. Viver		10/14/15 1250		[Signature]		J. Moreno/CAB								
[Signature]		City of Lomita		10-14-15 3:15		[Signature]		J. Moreno/CAB								
Comments		J. Moreno/CAB				Samples received: [Signature]		Intact ( ) Custody seals								
Shipped Via		Fed X		Golden State		UPS		Client		Other		Temp 14.1 ( ) F 56 C				
Page 1 of 1																

# *Clinical Laboratory of San Bernardino, Inc.*



22 October 2015

Clinical Lab No.: 15J0763

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: CWPF Weekly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 10/08/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles

Client Services Manager

# Clinical Laboratory of San Bernardino, Inc.



**Lomita, City of**  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: CWP Weekly Compliance Analysis  
Project Manager: Mark Andersen

Work Order: 15J0763  
Received: 10/08/15 15:50  
Reported: 10/22/15

**Filter Effluent Site (Chloramine) #3**      **15J0763-01 (Water)**      **Sample Date:** 10/08/15 11:38      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	10/08/15	10/08/15	1541588	
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## Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	10/12/15	10/12/15	1542048	
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Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	10/12/15	10/12/15	1542048	
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**Reservoir Effluent Site #5**      **15J0763-02 (Water)**      **Sample Date:** 10/08/15 11:25      **Sampler:** Edward Duvivier

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
---------	--------	--------	------------	-----	-------	----------	----------	-------	-----------

## General Chemical Analyses

<b>Total Filterable Residue/TDS</b>	SM 2540C	<b>700</b>	5.0	1000	mg/L	10/12/15	10/14/15	1542043	
-------------------------------------	----------	------------	-----	------	------	----------	----------	---------	--

ND      Analyte NOT DETECTED at or above the reporting limit



## Certificate of Analysis

Project: 15J0763

Report Date: 10/21/15 09:00

Received Date: 10/09/15 10:17

Turnaround Time: 5 workdays

Phones: (909) 825-7693

Fax: (909) 825-7696

P.O. #:

Attn: John Styles

Client: Clinical Laboratory of San Bernardino, Inc.  
21881 Barton Road  
Grand Terrace, CA 92313

Dear John Styles :

Enclosed are the results of analyses for samples received 10/9/2015 with the Chain of Custody document. The samples were received in good condition, at 2.9 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5J09029-01

Sample ID: Reservoir Effluent/ 15J0763-02

Matrix: Water

Sampled by: Client

Sampled: 10/08/15 11:25

Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	0.83		0.010	mg/l	1	RSK-175	10/20/15	10/20/15 16:51	W5J1008	



## Certificate of Analysis

## Quality Control Section

## Dissolved Gases in Water by RSK-175 - Quality Control

## Batch W5J1008 - RSK-175

## Blank (W5J1008-BLK1)

Prepared: 10/19/15 Analyzed: 10/19/15 14:09

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		ND		mg/l					

## LCS (W5J1008-BS1)

Prepared: 10/19/15 Analyzed: 10/19/15 14:48

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.190		mg/l	0.198	96	85-115		

## Calibration Check (W5J1008-CCV1)

Prepared: 10/19/15 Analyzed: 10/19/15 14:29

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.00930		mg/l	0.00792	117	0-200		

## Calibration Check (W5J1008-CCV2)

Prepared: 10/19/15 Analyzed: 10/19/15 16:59

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....		0.209		mg/l	0.198	106	0-200		

## Duplicate (W5J1008-DUP1)

Source: 5J16031-02

Prepared: 10/19/15 Analyzed: 10/19/15 16:39

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.946 .....	0.898		mg/l				5	20



## Certificate of Analysis

**Notes:**

The Chain of Custody document is part of the analytical report.

Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.

All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.

The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

**Authorized Signature**

Contact: Brandon Gee  
(Project Manager)



ELAP # 1132  
LACSD # 10143  
NELAC #4047-002 ORELAP

*The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.*

**Flags for Data Qualifiers:**

ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity
NR	Not Reportable

**SUBCONTRACT ORDER**  
**Clinical Laboratory of San Bernardino**  
**15J0763**

5509029

**SENDING LABORATORY:**

Clinical Laboratory of San Bernardino  
21881 Barton Road  
Grand Terrace, CA 92313  
Phone: 909.825.7693  
Fax: 909.825.7696  
Project Manager: Stu Styles

**RECEIVING LABORATORY:**

Weck Lab, Analytical & Environmental  
Analytical & Environmental Svc 14859 E Clark Ave  
Industry, CA 91745  
Phone : (626) 336-2139  
Fax: (626) 336-2634

Please email results to Project Manager: Stu Styles

[ ] glaubig@clinical-lab.com [ ] ybarra@clinical-lab.com [ ☒ styles@clinical-lab.com [ ] cole@clinical-lab.com

California EDT transfer those samples with PS codes provided [ ] Yes [ ☒ No

Transfer File requested; log in with Element ID only [ ] Yes [ ☒ No

Turn Around Time [ ] 10 Days [ ☒ 5 Days [ ] Other \_\_\_ Days

Subcontract Comments:

**Analysis**

**Comments**

**Sample ID: Reservoir Effluent / 15J0763-02**

**Sampled: 10/08/15 11:25 PS Code:**  
**Water**

**WTX ID:**

Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

*Bl. Jly* 10/09/15 07:50 *Ron. Chaparro* 10/9/15 900  
*Ron. Chaparro* 10/9/15 10:17 *Jametha* 10/9/15 10:17 2.90

Client		City of Lomita		System Number		Analysis Requested	
Address		24373 Walnut Avenue		1910073			
Phone #		(310) 325-9830		Destination Laboratory			
Fax #		(310) 325-3627		[X] Clinical Laboratory			
Project		Standard Analysis		CDWR Compliance			
Sub Project		CWPF Weekly Compliance Analysis		YES			
Comments				ELAP #			
Sampled by		Edward D. Vire		1088			
Date	Time	Sample Identification	Matrix	Type	Preserv	Total Chlorine	
		Raw Water Site #1	DW	1W	HCL		
		Raw Water Site #1	DW	1W	N/A		
10/8/15	1138	Filter Effluent Site (Chloramine) #3	DW	1W	N/A		
10/8/15	1125	Reservoir Effluent Site #5	DW	1W	N/A		
10/8/15	1125	Reservoir Effluent Site #5	DW	1W	HCL		
		Zone #2 Site #6	DW	1W	N/A		
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:							
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)	
[Signature]		Edward D. Vire		10/8/15 1140		[Signature]	
M. Chad		City of Lomita		10/8/15 3:50		[Signature]	
Comments:		CL 393		Samples received: ( ) Intact ( ) Custody seals		Temp 18 ( ) F ( ) C	
Shipped Via		Fed X		Golden State		UPS	
		Client		Other		Page 1 of 1	



## **APPENDIX B**

### **METHANE MONITORING LOG**



CITY OF LOMITA  
PUBLIC WORKS DEPARTMENT

**CYPRESS WATER PRODUCTION FACILITY  
HANDHELD METHANE LOG READINGS**

October 2015					
DATE	TIME	METHANE HANDHELD		COMMENTS	
10/1/2015	12:00 PM	CH <sub>4</sub> -	3%	Oxy-	20.2%
10/2/2015	1:50 PM	CH <sub>4</sub> -	1%	Oxy-	20.3%
10/3/2015					
10/4/2015					
10/5/2015	2:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/6/2015	12:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.8%
10/7/2015	11:45 AM	CH <sub>4</sub> -	0%	Oxy-	20.8%
10/8/2015	4:00 PM	CH <sub>4</sub> -	0%	Oxy-	20.7%
10/9/2015					
10/10/2015					
10/11/2015					
10/12/2015					
10/13/2015	2:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.5%
10/14/2015	4:45 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/15/2015	2:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.6%
10/16/2015	2:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.6%
10/17/2015					
10/18/2015					
10/19/2015	7:00 AM	CH <sub>4</sub> -	0%	Oxy-	20.8%
10/20/2015	3:10 PM	CH <sub>4</sub> -	0%	Oxy-	20.8%
10/21/2015	3:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.8%
10/22/2015	3:30 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/23/2015					
10/24/2015					
10/25/2015					
10/26/2015	12:00 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/27/2015	3:00 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/28/2015	3:15 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/29/2015	3:00 PM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/30/2015	11:00 AM	CH <sub>4</sub> -	0%	Oxy-	20.9%
10/31/2015					

ND- Non Detect

CH<sub>4</sub>- Methane

Oxy- Oxygen

Weekend/Day Off/Holiday- Red

## **APPENDIX C**

### **NITRIFICATION MONITORING DATA SUMMARY**

**'NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/30/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/30/2015	~0635Hrs	23	0.00	1.70	0.00	0.004	7.4	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/30/2015	~0700Hrs	23	0.00	1.90	0.00	0.003	7.4	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/30/2015	~0730Hrs	23	0.00	2.10	0.00	0.002	7.4	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/30/2015	~0610Hrs	23	0.00	1.40	0.00	0.002	7.5	Well/MET Blend (Zone 1)
5	D		Reservoir	10/30/2015	~0820Hrs	23	0.00	1.89	0.00	0.002	7.4	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/30/2015	~0900Hrs	26	2.10	0.41	0.49	0.006	7.4	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vita.	10/30/2015	~0840Hrs	25	2.50	0.37	0.46	0.004	7.4	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/30/2015	~0820Hrs	24	2.50	0.46	0.45	0.003	7.3	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/29/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/29/2015	~0700Hrs	24	0.00	1.60	0.00	0.005	7.6	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/29/2015	~00730Hrs	23	0.00	1.80	0.00	0.006	7.6	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/29/2015	~0750Hrs	23	0.00	1.90	0.00	0.003	7.6	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/29/2015	~0640Hrs	23	0.00	1.60	0.00	0.006	7.6	Well/MET Blend (Zone 1)
5	D		Reservoir	10/29/2015	~1345Hrs	24	0.00	1.63	0.00	0.004	7.8	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/29/2015	~0900Hrs	23	2.70	0.38	0.42	0.004	7.7	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vta.	10/29/2015	~0840Hrs	23	2.10	0.40	0.44	0.013	7.7	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/29/2015	~0820Hrs	23	2.60	0.45	0.46	0.006	7.7	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/28/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/28/2015	~0745Hrs	24	0.00	1.44	0.00	0.002	7.7	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/28/2015	~0930Hrs	25	0.00	1.51	0.00	0.002	7.7	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/28/2015	~0800Hrs	24	0.00	1.49	0.00	0.004	7.7	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/28/2015	~0730Hrs	24	0.00	1.40	0.00	0.006	7.7	Well/MET Blend (Zone 1)
5	D		Reservoir	10/28/2015	~0950Hrs	24	0.00	1.8	0.00	0.003	7.7	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/28/2015	~0820Hrs	24	2.1	0.45	0.46	0.006	7.7	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vita.	10/28/2015	~0835Hrs	25	2.1	0.37	0.48	0.007	7.7	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/28/2015	~0910Hrs	25	1.91	0.52	0.46	0.006	7.7	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.



# 'NITRIFICATION MONITORING DATA SUMMARY REPORT

CITY OF LOMITA, System No. 1910073

Month, Year: 10/27/2015

#	zC	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		Units -->		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/27/2015	~0720Hrs	23	0.00	2.0	0.00	0.005	8	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/27/2015	~0920Hrs	23	0.00	2.0	0.00	0.004	8	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/27/2015	~0740Hrs	23	0.00	2.0	0.00	0.006	8	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/27/2015	~0650Hrs	23	0.00	1.4	0.00	0.010	8	Well/MET Blend (Zone 1)
5	D		Reservoir	10/27/2015	~0940Hrs	23	0.00	2.0	0.00	0.003	8	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/27/2015	~0850Hrs	23	2.0	0.38	0.41	0.004	7.8	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vta.	10/27/2015	~0800Hrs	23	2.40	0.31	0.40	0.007	7.8	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/27/2015	~0825Hrs	23	2.0	0.29	0.44	0.006	7.8	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup> Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/26/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/26/2015	~1450Hrs	22	0.00	2.0	0.00	0.005	8	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/26/2015	~1515Hrs	22	0.00	1.98	0.00	0.004	8	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/26/2015	~1440Hrs	22	0.00	1.96	0.00	0.006	8	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/26/2015	~1435Hrs	22	0.00	1.75	0.00	0.010	8	Well/MET Blend (Zone 1)
5	D		Reservoir	10/26/2015	~1430Hrs	22	0.00	2.14	0.00	0.003	8	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/26/2015	~1455Hrs	22	2.0	0.33	0.43	0.004	7.8	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vita.	10/26/2015	~1500Hrs	22	1.98	0.31	0.37	0.007	7.8	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/26/2015	~1445Hrs	22	2.36	0.37	0.37	0.006	7.8	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

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**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/22/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>										
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/22/2015	~0755Hrs	24	0.00	2.20	0.00	0.003	7.5	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/22/2015	~0900Hrs	24	0.00	1.99	0.00	0.007	8.0	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/22/2015	~0815Hrs	24	0.00	2.06	0.00	0.005	8.0	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/22/2015	~0730Hrs	24	0.00	1.89	0.00	0.006	8.2	Well/MET Blend (Zone 1)
5	D		Reservoir	10/22/2015	~0910Hrs	24	0.00	2.20	0.00	0.004	8	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/22/2015	~0840Hrs	23	2.1	0.27	0.52	0.008	8	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vita.	10/22/2015	~0850Hrs	23	2.17	0.22	0.43	0.010	8	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/22/2015	~0825Hrs	23	1.92	0.30	0.48	0.010	8	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code: Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

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**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/21/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/21/2015	~0720Hrs	24	0.00	2.20	0.00	0.005	8.2	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/21/2015	~0820Hrs	24	0.00	1.92	0.00	0.003	8.2	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/21/2015	~0830Hrs	24	0.00	2.02	0.00	0.004	8.0	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/21/2015	~0630Hrs	24	0.00	1.94	0.00	0.005	8.2	Well/MET Blend (Zone 1)
5	D		Reservoir	10/21/2015	~0945Hrs	24	0.00	2.40	0.00	0.004	7.6	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/21/2015	~0915Hrs	23	2.5	0.33	0.52	0.006	7.3	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vita.	10/21/2015	~0900Hrs	23	2.4	0.30	0.46	0.005	7.4	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/21/2015	~0845Hrs	23	2.3	0.32	0.44	0.006	7.3	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

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**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/20/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<small>MM/DD/YYYY</small>	<small>am/pm</small>	<small>°C</small>	<small>mg/L</small>	<small>mg/L</small>	<small>mg/L</small>	<small>mg/L</small>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/20/2015	~0815Hrs	26	0.00	2.20	0.00	0.003	8	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/20/2015	~0730Hrs	25	0.00	1.92	0.00	0.005	8	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/20/2015	~0830Hrs	26	0.00	2.02	0.00	0.004	7.5	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/20/2015	~0800Hrs	25	0.00	1.94	0.00	0.006	7.5	Well/MET Blend (Zone 1)
5	D		Reservoir	10/20/2015	~0945Hrs	24	0.00	2.40	0.00	0.006	8	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/20/2015	~0845Hrs	25	2.10	0.49	0.47	0.005	8.0	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vita.	10/20/2015	~0900Hrs	25	2.10	0.47	0.45	0.010	8.0	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/20/2015	~0915Hrs	25	1.98	0.65	0.43	0.007	7.2	MET ONLY (Zone 2)
Notes: <sup>2</sup> C for Sample Code												

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>3</sup> Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>4</sup> MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/19/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/19/2015	~0810Hrs	27	0.00	2.20	0.00	0.011	8	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/19/2015	~0840Hrs	27	0.00	2.18	0.00	0.009	8	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/19/2015	~0830Hrs	27	0.00	1.60	0.00	0.014	8	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/19/2015	~0855Hrs	27	0.00	1.90	0.00	0.008	8	Well/MET Blend (Zone 1)
5	D		Reservoir	10/19/2015	~0915Hrs	26	0.00	2.50	0.00	0.013	8	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/19/2015	~0800Hrs	26	2.10	0.50	0.41	0.007	7.4	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vta.	10/19/2015	~0745Hrs	25	2.10	0.42	0.44	0.016	7.8	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/19/2015	~0820Hrs	26	2.20	0.54	0.47	0.010	8.0	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

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**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/16/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/16/2015	~0810Hrs	25	0.00	0.64	0.57	0.007	7.6	Well/MET Blend
2	D	S13-004	24632 S Moon Av	10/16/2015	~0730Hrs	25	0.00	0.13	0.51	0.006	7.6	Well/MET Blend
3	D	S13-008	25417 Pennsylvania Av	10/16/2015	~0840Hrs	25	0.00	0.28	0.55	0.010	7.6	Well/MET Blend
4	D	A	2052 Dawn St	10/16/2015	~0825Hrs	25	0.00	0.41	0.54	0.006	7.6	Well/MET Blend
5	D		Reservoir	10/16/2015	~0920Hrs	25	0.00	3.48	0.00	0.007	7.6	Well/MET Blend
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/16/2015	~0745Hrs	25	2.20	0.47	0.47	0.008	7.7	MET
7	D	13-2	26314 S Monte Vta.	10/16/2015	~0800Hrs	25	2.30	0.60	0.41	0.005	7.7	MET
8	D	13-5	2500 PCH	10/16/2015	~0900Hrs	25	2.0	0.48	0.38	0.011	7.7	MET
Notes: <sup>2</sup> C for Sample Code; <sup>3</sup> Z for Zone.												

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/15/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/15/2015	~0825Hrs	26	0.00	1.84	0.00	0.004	7.4	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/15/2015	~0910Hrs	26	0.00	1.82	0.00	0.005	7.4	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/15/2015	~1000Hrs	26	0.00	1.04	0.00	0.006	7.4	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/15/2015	~0800Hrs	26	0.00	1.60	0.00	0.004	7.4	Well/MET Blend (Zone 1)
5	D		Reservoir	10/15/2015	~0910Hrs	26	0.00	1.98	0.00	0.003	7.4	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/15/2015	~0945Hrs	27	2.32	0.81	0.49	0.005	7.5	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Via.	10/15/2015	~1000Hrs	26	2.44	0.60	0.44	0.004	7.5	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/15/2015	~0920Hrs	26	2.36	1.12	0.41	0.005	7.6	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/14/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/14/2015	~0730Hrs	26	0.00	1.75	0.00	0.005	8.1	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/14/2015	~0720Hrs	26	0.00	1.62	0.00	0.007	8.0	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/14/2015	~0740Hrs	26	0.00	1.61	0.00	0.008	8.1	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/14/2015	~0710Hrs	26	0.00	1.46	0.00	0.007	8.3	Well/MET Blend (Zone 1)
5	D		Reservoir	10/14/2015	~0800Hrs	26	0.00	1.90	0.00	0.006	8.2	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/14/2015	~0750Hrs	25	2.16	0.19	0.53	0.007	7.7	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vta.	10/14/2015	~0800Hrs	25	2.20	0.36	0.51	0.006	7.9	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/14/2015	~0830Hrs	25	1.97	0.26	0.45	0.004	7.4	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

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<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/13/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/13/2015	~1150Hrs	26	0.00	1.60	0.00	0.003	8.3	Well/MET Blend (Zone 1)
2	D	S13-004	24632 S Moon Av	10/13/2015	~1135Hrs	26	0.00	1.62	0.00	0.002	8.3	Well/MET Blend (Zone 1)
3	D	S13-008	25417 Pennsylvania Av	10/13/2015	~0940Hrs	26	0.00	2.01	0.00	0.004	7.9	Well/MET Blend (Zone 1)
4	D	A	2052 Dawn St	10/13/2015	~1200Hrs	27	0.00	1.42	0.00	0.003	8.3	Well/MET Blend (Zone 1)
5	D		Reservoir	10/13/2015	~1035Hrs	26	0.00	2.68	0.00	0.006	8.2	Well/MET Blend (Zone 1)
6	D	13-1	1912 W. 259 <sup>th</sup> Pl	10/13/2015	~1110Hrs	27	2.24	0.83	0.44	0.004	8.3	MET ONLY (Zone 2)
7	D	13-2	26314 S Monte Vta.	10/13/2015	~1120Hrs	27	2.10	0.55	0.45	0.007	8.3	MET ONLY (Zone 3)
8	D	13-5	2500 PCH	10/13/2015	~1050Hrs	27	2.16	0.71	0.43	0.005	8.3	MET ONLY (Zone 2)

Notes: <sup>2</sup>C for Sample Code; Z for Zone.

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

<sup>2</sup>Zones are broken into 3 groups. They indicate a portion of the city's water mains, separated based on hydraulic grade. Currently Zone 1, the lower portion, can either be a Well/MET water blend and/or supplied by MET water only. Zone 1 can be supplied by 3 separate connections, West Basin 7 & 8 (MET only) or by the Cypress Reservoir (Well/MET Blend only) or a combination of connections thereof. Zone 2 is MET water supplied via Appian Way Pumping Station. Zone 3 is MET water supplied via Harbor Hills Reservoir, which is supplied via Appian Way Pumping Station.

<sup>3</sup>MET and MWD are synonymous acronyms for water treated and supplied by the Metropolitan Water District of Southern California and according to our information is 100% treated Colorado River Water.



**NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/08/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/08/2015	~0916Hrs	23	0.00	1.60	0.00	0.005	8.0	Well/MWVD Blend
2	D	S13-004	24632 S Moon Av	10/08/2015	~0935Hrs	24	0.00	1.62	0.00	0.004	8.2	Well/MWVD Blend
3	D	S13-008	25417 Pennsylvania Av	10/08/2015	~0950Hrs	25	0.00	2.01	0.00	0.007	8.1	Well/MWVD Blend
4	D	A	2052 Dawn St	10/08/2015	~0900Hrs	24	0.00	1.42	0.00	0.005	7.9	Well/MWVD Blend
5	D		Reservoir	10/08/2015	~1500Hrs	25	0.00	2.68	0.00	0.004	8.1	Well/MWVD Blend
6	D	13-1	1912 W. 259 <sup>th</sup> Pl									
7	D	13-2	26314 S Monte Vta.									
8	D	13-5	2500 PCH									
Notes: <sup>2</sup> C for Sample Code; <sup>3</sup> Z for Zone.												

**\*This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.**

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/06/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		<b>MM/DD/YYYY</b>	<b>am/pm</b>	<b>°C</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>	<b>mg/L</b>		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/06/2015	~0550Hrs	23	2.12	0.30	0.34	0.007	8.5	MET
2	D	S13-004	24632 S Moon Av	10/06/2015	~0540Hrs	23	0.59	0.13	0.26	0.008	8.4	MET
3	D	S13-008	25417 Pennsylvania Av	10/06/2015	~0525Hrs	23	1.37	0.07	0.41	0.007	8.3	MET
4	D	A	2052 Dawn St	10/06/2015	~0720Hrs	23	1.65	0.06	0.42	0.019	8.5	MET
5	D		Reservoir	10/06/2015	~0510Hrs	24	0.00	3.48	0.00	0.004	7.8	Well/MET Blend
6	D	13-1	1912 W. 259 <sup>th</sup> Pl									
7	D	13-2	26314 S Monte Vita.									
8	D	13-5	2500 PCH									
Notes: <sup>2</sup> C for Sample Code; <sup>3</sup> Z for Zone.												

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

**<sup>1</sup>NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/05/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/05/2015	~0800Hrs	26.5	2.13	0.64	0.57	0.007	8.0	MET
2	D	S13-004	24632 S Moon Av	10/05/2015	~0705Hrs	26.3	0.78	0.13	0.51	0.006	7.9	MET
3	D	S13-008	25417 Pennsylvania Av	10/05/2015	~0816Hrs	26.0	1.46	0.28	0.55	0.007	8.0	MET
4	D	A	2052 Dawn St	10/05/2015	~0752Hrs	26.3	1.62	0.41	0.54	0.006	7.9	MET
5	D		Reservoir	10/05/2015	~0715Hrs	25.8	0.00	3.48	0.00	0.004	7.5	Well/MET Blend
6	D	13-1	1912 W. 259 <sup>th</sup> Pl									
7	D	13-2	26314 S Monte Vta.									
8	D	13-5	2500 PCH									
Notes: <sup>2</sup> C for Sample Code; <sup>3</sup> Z for Zone.												

<sup>1</sup>This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.

# NITRIFICATION MONITORING DATA SUMMARY REPORT

CITY OF LOMITA, System No. 1910073

Month, Year: 10/02/2015

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		Units -->		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/02/2015	~0950Hrs	26.5	0.00	1.62	0.00	0.003	7.9	Well/MET Blend
2	D	S13-004	24632 S Moon Av	10/02/2015	~0820Hrs	26.3	0.00	1.46	0.00	0.005	7.5	Well/MET Blend
3	D	S13-008	25417 Pennsylvania Av	10/02/2015	~0840Hrs	26.0	0.00	1.89	0.00	0.004	8.0	Well/MET Blend
4	D	A	2052 Dawn St	10/02/2015	~0800Hrs	26.3	0.00	0.43	0.00	0.004	8.0	Well/MET Blend
5	D		Reservoir	10/02/2015	~0800Hrs	25.8	0.00	2.22	0.00	0.004	7.8	Well/MET Blend
6	D	13-1	1912 W. 259 <sup>th</sup> Pl									
7	D	13-2	26314 S Monte Vta.									
8	D	13-5	2500 PCH									

Notes: <sup>2</sup>C for Sample Code; <sup>3</sup>Z for Zone.

\*This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.



**NITRIFICATION MONITORING DATA SUMMARY REPORT**  
**CITY OF LOMITA, System No. 1910073**  
**Month, Year: 10/01/2015**

#	<sup>2</sup> C	Sample I.D	Location	Sample Date	Collection Time	Temp	Combined Chlorine	Free Chlorine	Total Ammonia	Nitrite	PH	Comments/Corrective Actions/Others
		<b>Units --&gt;</b>		MM/DD/YYYY	am/pm	°C	mg/L	mg/L	mg/L	mg/L		
1	D	S13-003	1948 W. 252 <sup>nd</sup> St	10/01/2015	~0950Hrs	27.1	0.00	0.89	0.00	0.004	7.5	Well/MET Blend
2	D	S13-004	24632 S Moon Av	10/01/2015	~1030Hrs	27.1	0.00	0.14	0.00	0.006	7.5	Well/MET Blend
3	D	S13-008	25417 Pennsylvania Av	10/01/2015	~1000Hrs	27.8	0.00	0.44	0.00	0.005	7.4	Well/MET Blend
4	D	A	2052 Dawn St	10/01/2015	~1015Hrs	27.7	0.00	0.00	0.21	0.033	7.7	Well/MET Blend
5	D		Reservoir	10/01/2015	~0800Hrs	26.0	0.00	2.2	0.00	0.004	7.6	Well/MET Blend
6	D	13-1	1912 W. 259 <sup>th</sup> Pl									
7	D	13-2	26314 S Monte Vta.									
8	D	13-5	2500 PCH									

Notes: <sup>2</sup>C for Sample Code; <sup>3</sup>Z for Zone.

**\*This Report needs to be submitted to the Drinking Water Division of the State Water Resources Control Board by the 10<sup>th</sup> of the month following sampling.**

# *Clinical Laboratory of San Bernardino, Inc.*



06 November 2015

Clinical Lab No.: 15J2513

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/30/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/30

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2513  
Received: 10/30/15 15:45  
Reported: 11/06/15

1948 W 252nd St

15J2513-01 (Water)

Sample Date: 10/30/15 6:36 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.7		N/A	mg/L	10/30/15	10/30/15	1544564	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/30/15	11/01/15	1545011	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/30/15	10/30/15	1544550	
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24632 S Moon Ave

15J2513-02 (Water)

Sample Date: 10/30/15 7:02 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.9		N/A	mg/L	10/30/15	10/30/15	1544564	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/30/15	11/01/15	1545011	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/30/15	10/30/15	1544550	
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25417 Pennsylvania Ave.

15J2513-03 (Water)

Sample Date: 10/30/15 7:31 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	2		N/A	mg/L	10/30/15	10/30/15	1544564	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/30/15	11/01/15	1545011	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/30/15	10/30/15	1544550	
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# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of	Project: Standard Analysis	Work Order: 15J2513
24373 Walnut Avenue	Sub Project: Lomita Distribution Special Sample	Received: 10/30/15 15:45
Lomita CA, 91717	Project Manager: Mark Andersen	Reported: 11/06/15

**2052 Dawn St** **15J2513-04 (Water)** **Sample Date:** 10/30/15 6:10 **Sampler:** David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

**Cl Res Free (Field)** Field **1.4** N/A mg/L 10/30/15 10/30/15 1544564

## Microbiology Analyses

**Plate Count** SM9215B **9** 1 500 CFU/ml 10/30/15 11/01/15 1545011 HT-08

## General Chemical Analyses

**pH (Lab)** SM 4500HB **7.7** N/A pH Units 10/30/15 10/30/15 1544550

**Reservoir Effluent Site #5** **15J2513-05 (Water)** **Sample Date:** 10/30/15 8:20 **Sampler:** David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

**Cl Res Free (Field)** Field **1.89** N/A mg/L 10/30/15 10/30/15 1544564

## Microbiology Analyses

**Plate Count** SM9215B **ND** 1 500 CFU/ml 10/30/15 11/01/15 1545011 HT-08

## General Chemical Analyses

**pH (Lab)** SM 4500HB **7.8** N/A pH Units 10/30/15 10/30/15 1544550

HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit



Client		City of Lomita		System Number		Analysis Requested	
Address		24373 Walnut Avenue Lomita, CA 91717		1910073			
Phone #		(310) 325-9830		Destination Laboratory			
Fax #		(310) 325-3627		[X] Clinical Laboratory			
Project		Standard Analysis		RWQCB Compliance			
Sub Project		Lomita Distribution Special Sample		No			
Comments				ELAP #			
Sampled by		DAVID HUGATA		1088		Free	
Date	Time	Sample Identification	Matrix	Type	Preserv	Chlorine	
10/30/2015	6:36 AM	1948 W. 252nd St.	DW	D4	1,7	1.7	
10/30/2015	6:36 AM	1948 W. 252nd St.	DW	D4	NA	1.7	
10/30/2015	7:07 AM	24632 S. Moon Ave.	DW	D4	1,7	1.9	X
10/30/2015	7:07 AM	24632 S. Moon Ave.	DW	D4	NA	1.9	X
10/30/2015	7:31 AM	25417 Pennsylvania Ave.	DW	D4	1,7	2.10	X
10/30/2015	7:31 AM	25417 Pennsylvania Ave.	DW	D4	NA	2.0	X
10/30/2015	6:16 AM	2052 Dawn St.	DW	D4	1,7	1.4	X
10/30/2015	6:16 AM	2052 Dawn St.	DW	D4	NA	1.4	X
10/30/2015	6:20	Reservoir Effluent Site #5	DW	D4	1,7	1.89	X
10/30/2015	6:20	Reservoir Effluent Site #5	DW	D4	NA	1.89	X
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:							
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)	
D. Chaparro		City of Lomita		10/30/15 - 12:10		D. Chaparro / CUSB	
Comments:		D. Chaparro / CUSB		Samples received: 10 On ice ( ) Custody seals		Temp 8 ( ) F ( ) C	
Shipped Via		Fed X		UPS		Client	
		Golden State		Other		Page 1 of 1	

# *Clinical Laboratory of San Bernardino, Inc.*



06 November 2015

Clinical Lab No.: 15J2511

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/30/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/30

# Clinical Laboratory of San Bernardino, Inc.



<b>Lomita, City of</b> 24373 Walnut Avenue Lomita CA, 91717	Project: Standard Analysis Sub Project: Lomita Distribution Special Sample Project Manager: Mark Andersen	Work Order: 15J2511 Received: 10/30/15 15:45 Reported: 11/06/15
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1912 W. 259th Pl (S13-001 Zone: 2)

15J2511-01 (Water)

Sample Date: 10/30/15 9:32

Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.1		N/A	mg/L	10/30/15	10/30/15	1544562
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## Microbiology Analyses

Plate Count	SM9215B	ND	I	500	CFU/ml	10/30/15	11/01/15	1545011
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.9		N/A	pH Units	10/30/15	10/30/15	1544550
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2500 Pacific Coast Highway (S13-005 Zone 2)

15J2511-02 (Water)

Sample Date: 10/30/15 8:40

Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.5		N/A	mg/L	10/30/15	10/30/15	1544562
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## Microbiology Analyses

Plate Count	SM9215B	ND	I	500	CFU/ml	10/30/15	11/01/15	1545011
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.9		N/A	pH Units	10/30/15	10/30/15	1544550
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26314 S. Monte Vista Ave. (S13-002 Zone: 3)

15J2511-03 (Water)

Sample Date: 10/30/15 9:08

Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.5		N/A	mg/L	10/30/15	10/30/15	1544562
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## Microbiology Analyses

Plate Count	SM9215B	ND	I	500	CFU/ml	10/30/15	11/01/15	1545011
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## General Chemical Analyses

pH (Lab)	SM 4500HB	8.0		N/A	pH Units	10/30/15	10/30/15	1544550
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pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit





# *Clinical Laboratory of San Bernardino, Inc.*



06 November 2015

Clinical Lab No.: 15J2460

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/29/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/29

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2460  
Received: 10/29/15 15:25  
Reported: 11/06/15

1948 W 252nd St

15J2460-01 (Water)

Sample Date: 10/29/15 7:02 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.6		N/A	mg/L	10/29/15	10/29/15	1544524	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/29/15	10/31/15	1544578	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/29/15	10/29/15	1544532	
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24632 S Moon Ave

15J2460-02 (Water)

Sample Date: 10/29/15 7:23 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.8		N/A	mg/L	10/29/15	10/29/15	1544524	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/29/15	10/31/15	1544578	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/29/15	10/29/15	1544532	
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25417 Pennsylvania Ave.

15J2460-03 (Water)

Sample Date: 10/29/15 7:50 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.9		N/A	mg/L	10/29/15	10/29/15	1544524	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/29/15	10/31/15	1544578	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/29/15	10/29/15	1544532	
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Work Order: 15J2460  
Received: 10/29/15 15:25  
Reported: 11/06/15

**Sample Date:** 10/29/15 6:40 **Sampler:** David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### Field Analyses

Cl Res Free (Field)	Field	1.6	N/A	mg/L	10/29/15	10/29/15	1544524
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### Microbiology Analyses

Plate Count	SM9215B	4	1	500	CFU/ml	10/29/15	10/31/15	1544578	HT-08
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### General Chemical Analyses

pH (Lab)	SM 4500HB	7.7	N/A	pH Units	10/29/15	10/29/15	1544532
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**Sample Date:** 10/29/15 9:30 **Sampler:** David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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### Field Analyses

Cl Res Free (Field)	Field	1.9	N/A	mg/L	10/29/15	10/29/15	1544524
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### Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/29/15	10/31/15	1544578
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### General Chemical Analyses

pH (Lab)	SM 4500HB	7.7	N/A	pH Units	10/29/15	10/29/15	1544532
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HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

Client		City of Lomita		System Number		Analysis Requested									
Address		24373 Walnut Avenue		1910073											
Phone #		(310) 325-9830		Destination Laboratory											
Fax #		(310) 325-3627		[X] Clinical Laboratory											
Project		Standard Analysis		RWQCB Compliance											
Sub Project		Lomita Distribution Special Sample		No											
Comments				ELAP #											
Sampled by		DAVID HUERTA		1088		Free									
Date	Time	Sample Identification		Matrix	Type	Preserv	Total Chlorine								
10/29/2015	7:02 AM	1948 W. 252nd St.		DW	D4	1,7	1.6	X							
10/29/2015	7:02 AM	1948 W. 252nd St.		DW	D4	NA	1.6	X							
10/29/2015	7:23 AM	24632 S. Moon Ave.		DW	D4	1,7	1.8	X							
10/29/2015	7:23 AM	24632 S. Moon Ave.		DW	D4	NA	1.6	X							
10/29/2015	7:50 AM	25417 Pennsylvania Ave.		DW	D4	1,7	1.9	X							
10/29/2015	7:50 AM	25417 Pennsylvania Ave.		DW	D4	NA	1.9	X							
10/29/2015	8:40 AM	2052 Dawn St.		DW	D4	1,7	1.6	X							
10/29/2015	8:40 AM	2052 Dawn St.		DW	D4	NA	1.6	X							
10/29/2015	9:30 AM	Reservoir Effluent Site #5		DW	D4	1,7	1.9	X							
10/29/2015	9:30 AM	Reservoir Effluent Site #5		DW	D4	NA	1.9	X							
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:		Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW-Ground Water, A-Air Type: 1-Routine, 2-Repeat, 3-Replacement, 4-Special W-Well D-Dist													
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)		Print Name / Company							
[Signature]		City of Lomita		10/29/15 12:30		[Signature]		CLSR							
Comments:		10/29/15 3:25 Samples received: (X) On ice ( ) Intact (X) Custody seals Temp 13 ( ) F (X) C													
Shipped Via		Fed X		Golden State		UPS		Client		Other					
										Page 1 of 1					



# *Clinical Laboratory of San Bernardino, Inc.*



06 November 2015

Clinical Lab No.: 15J2459

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/29/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/29

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2459  
Received: 10/29/15 15:25  
Reported: 11/06/15

1912 W. 259th Pl (S13-001 Zone: 2)

15J2459-01 (Water)

Sample Date: 10/29/15 9:00 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.7		N/A	mg/L	10/29/15	10/29/15	1544523	
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## Microbiology Analyses

Plate Count	SM9215B	1	1	500	CFU/ml	10/29/15	10/31/15	1544578	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.9		N/A	pH Units	10/29/15	10/29/15	1544532	
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2500 Pacific Coast Highway (S13-005 Zone 2)

15J2459-02 (Water)

Sample Date: 10/29/15 8:19 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.6		N/A	mg/L	10/29/15	10/29/15	1544523	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/29/15	10/31/15	1544578	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	8.0		N/A	pH Units	10/29/15	10/29/15	1544532	
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26314 S. Monte Vista Ave. (S13-002 Zone: 3)

15J2459-03 (Water)

Sample Date: 10/29/15 8:41 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.1		N/A	mg/L	10/29/15	10/29/15	1544523	
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## Microbiology Analyses

Plate Count	SM9215B	1	1	500	CFU/ml	10/29/15	10/31/15	1544578	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	8.0		N/A	pH Units	10/29/15	10/29/15	1544532	
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pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

"Your Water and Wastewater Analysis Solution"

"Your Water and Wastewater Analysis Solution"



# *Clinical Laboratory of San Bernardino, Inc.*



04 November 2015

Clinical Lab No.: 15J2343

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/28/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/28

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2343  
Received: 10/28/15 15:45  
Reported: 11/04/15

1948 W 252nd St

15J2343-01 (Water)

Sample Date: 10/28/15 7:45

Sampler: Daniel Mateik

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.44		N/A	mg/L	10/28/15	10/28/15	1544444	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/28/15	10/30/15	1544561	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/28/15	10/28/15	1544378	
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24632 S Moon Ave

15J2343-02 (Water)

Sample Date: 10/28/15 9:30

Sampler: Daniel Mateik

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.51		N/A	mg/L	10/28/15	10/28/15	1544444	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/28/15	10/30/15	1544561	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/28/15	10/28/15	1544378	
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25417 Pennsylvania Ave.

15J2343-03 (Water)

Sample Date: 10/28/15 8:00

Sampler: Daniel Mateik

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.49		N/A	mg/L	10/28/15	10/28/15	1544444	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/28/15	10/30/15	1544561	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.6		N/A	pH Units	10/28/15	10/28/15	1544378	
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# Clinical Laboratory of San Bernardino, Inc.



<b>Lomita, City of</b> 24373 Walnut Avenue Lomita CA, 91717	Project: Standard Analysis Sub Project: Lomita Distribution Special Sample Project Manager: Mark Andersen	Work Order: 15J2343 Received: 10/28/15 15:45 Reported: 11/04/15
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2052 Dawn St		15J2343-04 (Water)			Sample Date: 10/28/15 7:30		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>1.4</b>		N/A	mg/L	10/28/15	10/28/15	1544444	
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## Microbiology Analyses

<b>Plate Count</b>	SM9215B	<b>3</b>	1	500	CFU/ml	10/28/15	10/30/15	1544561	HT-08
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>7.6</b>		N/A	pH Units	10/28/15	10/28/15	1544378	
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Reservoir Effluent Site #5		15J2343-05 (Water)			Sample Date: 10/28/15 9:50		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>1.8</b>		N/A	mg/L	10/28/15	10/28/15	1544444	
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## Microbiology Analyses

<b>Plate Count</b>	SM9215B	<b>ND</b>	1	500	CFU/ml	10/28/15	10/30/15	1544561	
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>7.7</b>		N/A	pH Units	10/28/15	10/28/15	1544378	
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HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit



Client		City of Lomita		System Number		Analysis Requested									
Address		24373 Walnut Avenue		1910073											
Phone #		Lomita, CA 91717		Destination Laboratory											
Fax #		(310) 325-9830		[X] Clinical Laboratory											
Project		(310) 325-3627		RWQCB Compliance											
Sub Project		Standard Analysis		No											
Comments		Lomita Distribution Special Sample		ELAP #											
Sampled by		D. S. M.		1088											
Date		Time		Sample Identification		Matrix		Type		Preserv		Chlorine		Comments / P.S. Codes	
10/28/2015	0745	1948 W. 252nd St.		DW	D4	1,7	1.44	X							
10/28/2015	0745	1948 W. 252nd St.		DW	D4	NA	1.44	X							
10/28/2015	0930	24632 S. Moon Ave.		DW	D4	1,7	1.51	X							
10/28/2015	0930	24632 S. Moon Ave.		DW	D4	NA	1.51	X							
10/28/2015	0800	25417 Pennsylvania Ave.		DW	D4	1,7	1.49	X							
10/28/2015	0800	25417 Pennsylvania Ave.		DW	D4	NA	1.49	X							
10/28/2015	0730	2052 Dawn St.		DW	D4	1,7	1.40	X							
10/28/2015	0730	2052 Dawn St.		DW	D4	NA	1.40	X							
10/28/2015	0950	Reservoir Effluent Site #5		DW	D4	1,7	1.80	X							
10/28/2015	0950	Reservoir Effluent Site #5		DW	D4	NA	1.80	X							
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:				Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, A-Air											
Relinquished By (Sign)				Date / Time		Received By (Sign)		Print Name / Company							
D. S. M.				10-28-15 / 3:45		D. S. M.		J. Weng / CSB							
S. J. M. / MATEIA				10-28-15 / 12:45		J. Weng		J. Weng / CSB							
Comments:				Samples received: <input checked="" type="checkbox"/> On ice ( <input checked="" type="checkbox"/> Intact ( ) Custody seals Temp 10.1 ( ) F <input checked="" type="checkbox"/> C											
Shipped Via				Fed X		Golden State		UPS		Client		Other			
												Page 1 of 1			

# *Clinical Laboratory of San Bernardino, Inc.*



04 November 2015

Clinical Lab No.: 15J2344

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/28/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/28



# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2344  
Received: 10/28/15 12:45  
Reported: 11/04/15

1912 W. 259th Pl (S13-001 Zone: 2)

15J2344-01 (Water)

Sample Date: 10/28/15 8:20 Sampler: Daniel Mateik

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.1		N/A	mg/L	10/28/15	10/28/15	1544453	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/28/15	10/30/15	1544561	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	8.0		N/A	pH Units	10/28/15	10/28/15	1544378	
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2500 Pacific Coast Highway (S13-005 Zone 2)

15J2344-02 (Water)

Sample Date: 10/28/15 9:10 Sampler: Daniel Mateik

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	1.91		N/A	mg/L	10/28/15	10/28/15	1544453	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/28/15	10/30/15	1544561	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	8.1		N/A	pH Units	10/28/15	10/28/15	1544378	
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26314 S. Monte Vista Ave. (S13-002 Zone: 3)

15J2344-03 (Water)

Sample Date: 10/28/15 8:37 Sampler: Daniel Mateik

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field)	Field	2.1		N/A	mg/L	10/28/15	10/28/15	1544453	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/28/15	10/30/15	1544561	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	8.1		N/A	pH Units	10/28/15	10/28/15	1544378	
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pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

*"Your Water and Wastewater Analysis Solution"*

# *Clinical Laboratory of San Bernardino, Inc.*



30 October 2015

Clinical Lab No.: 15J2190

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/27/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/27



# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2190  
Received: 10/27/15 14:45  
Reported: 10/30/15

1948 W 252nd St

15J2190-01 (Water)

Sample Date: 10/27/15 7:18 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	2		N/A	mg/L	10/27/15	10/27/15	1544330	
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## Microbiology Analyses

Plate Count	SM9215B	1	1	500	CFU/ml	10/27/15	10/29/15	1544530	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.6		N/A	pH Units	10/27/15	10/27/15	1544242	
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24632 S Moon Ave

15J2190-02 (Water)

Sample Date: 10/27/15 9:22 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	2		N/A	mg/L	10/27/15	10/27/15	1544330	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/27/15	10/29/15	1544530	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.6		N/A	pH Units	10/27/15	10/27/15	1544242	
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25417 Pennsylvania Ave.

15J2190-03 (Water)

Sample Date: 10/27/15 7:40 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	2		N/A	mg/L	10/27/15	10/27/15	1544330	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/27/15	10/29/15	1544530	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/27/15	10/27/15	1544242	
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# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2190  
Received: 10/27/15 14:45  
Reported: 10/30/15

2052 Dawn St

15J2190-04 (Water)

Sample Date: 10/27/15 6:50 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	1.4		N/A	mg/L	10/27/15	10/27/15	1544330	
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## Microbiology Analyses

Plate Count	SM9215B	7	1	500	CFU/ml	10/27/15	10/29/15	1544530	HT-08
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.6		N/A	pH Units	10/27/15	10/27/15	1544242	
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Reservoir Effluent Site #5

15J2190-05 (Water)

Sample Date: 10/27/15 9:40 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Free (Field)	Field	2		N/A	mg/L	10/27/15	10/27/15	1544330	
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## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/27/15	10/29/15	1544530	
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## General Chemical Analyses

pH (Lab)	SM 4500HB	7.7		N/A	pH Units	10/27/15	10/27/15	1544242	
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Note pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time

HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

Client		City of Lomita		System Number		Analysis Requested									
Address		24373 Walnut Avenue		1910073											
Phone #		(310) 325-9830		Destination Laboratory											
Fax #		(310) 325-3627		[X] Clinical Laboratory											
Project		Standard Analysis		RWQCB Compliance											
Sub Project		Lomita Distribution Special Sample		No											
Comments				ELAP #											
Sampled by		DAVID HUERTA		1088											
Date	Time	Sample Identification	Matrix	Type	Preserv	freq	Heterotrophic Plate Count	PH	Total Dissolved Solids	Phosphate- Ortho as P	Phosphorus- Total as P	Color & Odor	Nitrite	Nitrate	Comments / P.S. Codes
10/27/2015	7:18 AM	1948 W. 252nd St.	DW	D4	1,7	2.0	X								
10/27/2015	7:18 AM	1948 W. 252nd St.	DW	D4	NA	2.0		X							
10/27/2015	9:22 AM	24632 S. Moon Ave.	DW	D4	1,7	2.0	X								
10/27/2015	9:22 AM	24632 S. Moon Ave.	DW	D4	NA	2.0		X							
10/27/2015	7:40 AM	25417 Pennsylvania Ave.	DW	D4	1,7	2.0	X								
10/27/2015	7:40 AM	25417 Pennsylvania Ave.	DW	D4	NA	2.0		X							
10/27/2015	6:50 AM	2052 Dawn St.	DW	D4	1,7	1.4	X								
10/27/2015	6:50 AM	2052 Dawn St.	DW	D4	NA	1.4		X							
10/27/2015	9:10 AM	Reservoir Effluent Site #5	DW	D4	1,7	2.0	X								
10/27/2015	9:40 AM	Reservoir Effluent Site #5	DW	D4	NA	2.0		X							
Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH <sub>4</sub> Cl (5) H <sub>2</sub> SO <sub>4</sub> (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:															
Relinquished By (Sign)		J. Vucera / CUSB		Print Name / Company		Date / Time		Received By (Sign)		Print Name / Company					
		City of Lomita				10-27-15 / 12:00									
						10-27-15 / 2:45									
Comments:		Samples received: ( ) Intact ( ) Custody seals Temp 45.9 ( ) F ( ) C													
Shipped Via		<input type="checkbox"/> Fed X <input type="checkbox"/> Golden State <input type="checkbox"/> UPS <input type="checkbox"/> Client <input type="checkbox"/> Other													



# *Clinical Laboratory of San Bernardino, Inc.*



30 October 2015

Clinical Lab No.: 15J2191

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/27/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles

Client Services Manager

10/27



# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Special Sample  
Project Manager: Mark Andersen

Work Order: 15J2191  
Received: 10/27/15 14:45  
Reported: 10/30/15

1912 W. 259th Pl (S13-001 Zone: 2)

15J2191-01 (Water)

Sample Date: 10/27/15 8:50 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field) Field 2 N/A mg/L 10/27/15 10/27/15 1544331

## Microbiology Analyses

Plate Count SM9215B ND I 500 CFU/ml 10/27/15 10/29/15 1544530

## General Chemical Analyses

pH (Lab) SM 4500HB 8.0 N/A pH Units 10/27/15 10/27/15 1544242

2500 Pacific Coast Highway (S13-005 Zone 2)

15J2191-02 (Water)

Sample Date: 10/27/15 8:02 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field) Field 2 N/A mg/L 10/27/15 10/27/15 1544331

## Microbiology Analyses

Plate Count SM9215B ND I 500 CFU/ml 10/27/15 10/29/15 1544530

## General Chemical Analyses

pH (Lab) SM 4500HB 8.0 N/A pH Units 10/27/15 10/27/15 1544242

26314 S. Monte Vista Ave. (S13-002 Zone: 3)

15J2191-03 (Water)

Sample Date: 10/27/15 8:25 Sampler: David Huerta

Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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## Field Analyses

Cl Res Total (Field) Field 2.4 N/A mg/L 10/27/15 10/27/15 1544331

## Microbiology Analyses

Plate Count SM9215B ND I 500 CFU/ml 10/27/15 10/29/15 1544530

## General Chemical Analyses

pH (Lab) SM 4500HB 8.0 N/A pH Units 10/27/15 10/27/15 1544242

Note pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

WJW

3/0/3  
Chain of Custody

15/2/91

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*"Your Water and Wastewater Analysis Solution"*

# *Clinical Laboratory of San Bernardino, Inc.*



30 October 2015

Clinical Lab No.: 15J1948

Mark Andersen  
Lomita, City of  
24373 Walnut Avenue  
Lomita, CA 91717

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Special Sample

Enclosed are the results of the analyses for samples received at the laboratory on 10/22/15. Samples were received within temperature range, in correct containers and preservation.

Analyses were performed pursuant to client's chain of custody, within hold times, utilizing EPA or other ELAP approved methodologies.

I certify that the results are within compliance both technically and for completeness. Analytical results are attached to this letter. Please call if any additional information and or assistance are needed.

Thank you for choosing Clinical Laboratory of San Bernardino for your analytical needs.

Sincerely,

Stu Styles

Client Services Manager

10/22



# Clinical Laboratory of San Bernardino, Inc.



<b>Lomita, City of</b>	Project: Standard Analysis	Work Order: 15J1948
24373 Walnut Avenue	Sub Project: Lomita Distribution Special Sample	Received: 10/22/15 17:40
Lomita CA, 91717	Project Manager: Mark Andersen	Reported: 10/30/15

1948 W 252nd St		15J1948-01 (Water)			Sample Date: 10/22/15 7:54		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>2.2</b>		N/A	mg/L	10/22/15	10/22/15	1543509	
<b>pH (Field)</b>	Field	<b>7.5</b>		N/A	pH Units	10/22/15	10/22/15	1543510	

## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/22/15	10/24/15	1543580	HT-08
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>7.8</b>		N/A	pH Units	10/23/15	10/23/15	1543517	
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24632 S Moon Ave		15J1948-02 (Water)			Sample Date: 10/22/15 9:00		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>1.99</b>		N/A	mg/L	10/22/15	10/22/15	1543509	
<b>pH (Field)</b>	Field	<b>8</b>		N/A	pH Units	10/22/15	10/22/15	1543510	

## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/22/15	10/24/15	1543580	HT-08
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>7.8</b>		N/A	pH Units	10/23/15	10/23/15	1543517	
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25417 Pennsylvania Ave.		15J1948-03 (Water)			Sample Date: 10/22/15 8:15		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>2.06</b>		N/A	mg/L	10/22/15	10/22/15	1543509	
<b>pH (Field)</b>	Field	<b>8</b>		N/A	pH Units	10/22/15	10/22/15	1543510	

## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/22/15	10/24/15	1543580	HT-08
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>7.7</b>		N/A	pH Units	10/23/15	10/23/15	1543517	
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# Clinical Laboratory of San Bernardino, Inc.



<b>Lomita, City of</b> 24373 Walnut Avenue Lomita CA, 91717	Project: Standard Analysis Sub Project: Lomita Distribution Special Sample Project Manager: Mark Andersen	Work Order: 15J1948 Received: 10/22/15 17:40 Reported: 10/30/15
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2052 Dawn St		15J1948-04 (Water)			Sample Date: 10/22/15 7:30		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>1.89</b>		N/A	mg/L	10/22/15	10/22/15	1543509	
<b>pH (Field)</b>	Field	<b>8</b>		N/A	pH Units	10/22/15	10/22/15	1543510	

## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/22/15	10/24/15	1543580	HT-08
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	7.7		N/A	pH Units	10/23/15	10/23/15	1543517	
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Reservoir Effluent Site #5		15J1948-05 (Water)			Sample Date: 10/22/15 9:10		Sampler: Daniel Mateik		
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

## Field Analyses

<b>Cl Res Free (Field)</b>	Field	<b>2.2</b>		N/A	mg/L	10/22/15	10/22/15	1543509	
<b>pH (Field)</b>	Field	<b>9</b>		N/A	pH Units	10/22/15	10/22/15	1543510	

## Microbiology Analyses

Plate Count	SM9215B	ND	1	500	CFU/ml	10/22/15	10/24/15	1543580	HT-08
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## General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	7.7		N/A	pH Units	10/23/15	10/23/15	1543517	
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HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

pH (Lab) was analyzed ASAP but received and analyzed past the 15 minute hold time.

ND Analyte NOT DETECTED at or above the reporting limit

Client		City of Lomita		System Number		Analysis Requested	
Address		24373 Walnut Avenue		1910073			
Phone #		Lomita, CA 91717		Destination Laboratory			
Fax #		(310) 325-9830		[X] Clinical Laboratory			
Project		(310) 325-3627		RWQCB Compliance			
Sub Project		Standard Analysis		No			
Comments		Lomita Distribution Special Sample		ELAP #			
Sampled by		DANIEL MATEIK		1088		FREE	
Date	Time	Sample Identification	Matrix	Type	Preserv	Total Chlorine	
10/22/2015	0754	1948 W. 252nd St.	DW	D4	1,7	2.20	X
10/22/2015	0754	1948 W. 252nd St.	DW	D4	NA	2.20	X
10/22/2015	0900	24632 S. Moon Ave.	DW	D4	1,7	1.99	X
10/22/2015	0900	24632 S. Moon Ave.	DW	D4	NA	1.99	X
10/22/2015	0815	25417 Pennsylvania Ave.	DW	D4	1,7	2.06	X
10/22/2015	0815	25417 Pennsylvania Ave.	DW	D4	NA	2.06	X
10/22/2015	0700	2052 Dawn St.	DW	D4	1,7	1.89	X
10/22/2015	0700	2052 Dawn St.	DW	D4	NA	1.89	X
10/22/2015	0910	Reservoir Effluent Site #5	DW	D4	1,7	2.20	X
10/22/2015	0910	Reservoir Effluent Site #5	DW	D4	NA	2.20	X
Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW-Ground Water, A-Air Type: 1-Routine, 2-Repeat, 3-Replacement, 4-Special W-Well D-Dist.							
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)	
M. Mateik		CLSB		10/22/15 5:40		[Signature]	
DANIEL MATEIK		City of Lomita		10/22/2015		[Signature]	
Comments:				Samples received: (X) On ice (X) Intact ( ) Custody seals Temp 16 ( ) F (4) C			
Shipped Via		Fed X Golden State		UPS		Client Other	
						Page 1 of 1	

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