

# CITY OF LOMITA



## Monthly Report For: July 2015

### 3rd - Quarterly Report

	TO:	ATTENTION:	DISTRICT:
x	Mr. Paul Williams, P.E. District Engineer	Mr. Ric Roda	07 Hollywood

	SWRCB DIVISION OF DRINKING WATER DISTRICT:	PWS:	WATER SYSTEM NAME:
x	07 Hollywood	1910073	Lomita – City, Water Department

	TYPE OF REPORTS ATTACHED: (# OF PAGES)		TYPE OF REPORTS ATTACHED (# OF PAGES)
x	1 Distribution Coliform Monitoring ( 1 )	x	8 Monthly Chlorine Residuals ( 1 )
x	2 Raw Water Monitoring ( 2 )		9 Water Main Leaks & Outages ( )
x	3 Surface Water Treatment Regulations ( 1 )		10 Arsenic Compliance ( )
x	4 General Physical Results ( 1 )		11 Nitrification Monitoring ( )
	5 Nitrate Compliance ( )		12 Quarterly Monitoring OF 1, 2, 3 – Trichloropropene ( )
	6 Quarterly Monitoring of Total Trihalomethanes ( 1 )		13 Quarterly Disinfectant Residuals (Chloramines) ( 1 )
	7 Quarterly Monitoring of Haloacetic Acids ( 1 )		

#### FOR QUESTIONS PLEASE CONTACT:

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

Office: (310) 325-7110

Email: [m.mcavoy@lomitacity.com](mailto:m.mcavoy@lomitacity.com)

**MONTHLY SUMMARY OF DISTRIBUTION SYSTEM COLIFORM MONITORING  
(including triggered source monitoring for systems subject to the Groundwater Rule)**

**REVISED**

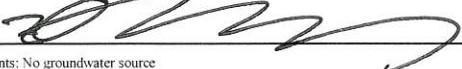
CITY OF LOMITA		1910073			
Sampling Period	JULY	Year			
Month		Number Required	Number Collected	Number Total Coliform Positives	
				Number Fecal/E.coli Positives	
1. Routine Samples (see note 1)		<u>25</u>	<u>25</u>	<u>1</u>	<u>0</u>
2. Repeat Samples Following Samples Which are Total Coliform Positive and Fecal/E.coli <i>Negative</i> (see notes 5 and 6)			<u>4</u>	<u>0</u>	<u>0</u>
3. Repeat Samples Following Routine Samples Which are Total Coliform <b>Positive</b> and Fecal/E.coli Positive (see notes 5 and 6)			<u>0</u>	<u>0</u>	<u>0</u>
4. MCL Computation For Total Coliform Positive Samples			<u>25</u>	<u>29</u>	<u>1</u>
a. Totals (sum of columns)					
b. If 40 or more samples collected in month, determine percent of samples that are total coliform positive [(total number positive/total number collected) x 100]			<u>3%</u>		
c. Is system in compliance....with fecal/E. coli MCL? (see notes 2 and 3)		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/>	No	
...with monthly MCL? (see note 4)		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/>	No	
5. Source Samples Triggered by Routine Samples that are Total Coliform Positive			<u>0*</u>	<u>0</u>	<u>0</u>

(This applies **only** to systems subject to the Groundwater Rule - see notes 7 and 8)

## 6. Invalidated Samples

(Note what samples, if any, were invalidated; who authorized the invalidation; and when replacement samples were collected. Attach additional sheets, if necessary.)

## 7. Summary Completed By:

Signature	Title	Date
	Public Works Director/City Engineer	<u>8/21/2015</u>

Comments: No groundwater source

## 1. Routine samples include:

- a. Samples required pursuant to 22 CCR Section 64423 and any additional samples required by an approved routine sample siting plan established pursuant to 22 CCR Section 64422.
- b. Extra samples are required for systems collecting less than five routine samples per month that had one or more total coliform positives in previous month;
- c. Extra samples for systems with high source water turbidities that are using surface water or groundwater under direct influence of surface water and do not practice filtration in compliance with regulations;

2. Note: For a repeat sample following a total coliform positive sample, any fecal/*E.coli* positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).

3. Note: For repeat sample following a fecal/*E.coli* positive sample, any total coliform positive repeat (boxed entry) **constitutes an MCL violation and requires immediate notification to the Department** (22, CCR, Section 64426.1).

4. Total coliform MCL (**Notify Department within 24 hours of MCL violation**):

- a. For systems collecting less than 40 samples, if two or more samples are total coliform positive, then the MCL is violated.
- b. For systems collecting 40 or more samples, if more than 5.0 percent of samples collected are total coliform positive, then the MCL is violated.

5. Positive results and their associated repeat samples are to be tracked on the Coliform Monitoring Worksheet.

6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.

7. For systems subject to the Groundwater Rule: Positive results and the associated triggered source samples are to be tracked on the Coliform Monitoring Worksheet.

8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli*, enterococci, or coliphage positive triggered sample (boxed entry) **requires immediate notification to the Department, Tier 1 public notification, and corrective action.**

10/2009 - 8477

\* The entire section of the distribution, Zone 2, where TC+ was detected was entirely supplied with treated surface water, not with blended treated groundwate originating from Well 5 and the treated surface from MWD. TCR has been complied with by the repeat sampling and by all the repeat sample results being negative.

# COLIFORM MONITORING WORKSHEET

( COMPLETED FOR POSITIVE ROUTINE SAMPLES, ALL REPEAT SAMPLES, AND ALL TRIGGERED SOURCE SAMPLES)

Report Month JULY Year: 2015

Routine Samples <sup>9</sup>			Repeat Samples <sup>6</sup>						Triggered Source Samples <sup>8</sup>			
TC+ Sample Date	TC+ Sample Site ID	<sup>12</sup> EC/FC Results	Repeat Collection Date	Repeat Sample Site IDs <sup>10</sup>	Coliform Results (Check one box)			Source Sample Date	Groundwater Source(s) Sampled	<sup>12</sup> TC Results	<sup>11,12</sup> E. coli Results	
					TC-	TC+BUT FC/EC-	TC+AND FC/EC+					
7/22/2015	1912 W 259th PI (S13-001 Zone: 2)	<u>(+/-)</u>	7/24/2015	1912 W 259th PI (S13-001 Zone:2)	x						(+/-)	(+/-)
				Appian Way	x						(+/-)	(+/-)
				1920 259th St	x						(+/-)	(+/-)
				Hydrant Adj to 1906 259th St	x						(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
			<u>(+/-)</u>	1							(+/-)	(+/-)
				2							(+/-)	(+/-)
				3							(+/-)	(+/-)
				4							(+/-)	(+/-)
Comments:												

#### NOTES AND INSTRUCTIONS:

6. Repeat samples must be collected within 24 hours of being notified of the positive results. For systems collecting more than one routine sample per month, three repeat samples must be collected for each total coliform positive sample. For systems collecting one or fewer routine samples per month, four repeat samples must be collected for each total coliform positive sample.
8. For triggered sample(s) required as a result of a total coliform routine positive sample, an *E.coli*, enterococci, or coliphage positive triggered sample (boxed entry) requires immediate notification to the Department, Tier 1 public notification, and corrective action.
9. Also include any data for positive samples that occurred in the previous month that led to repeat monitoring occurring in the reporting month. Include location and indicate if the routine sample was either positive or negative for *E.coli* or Fecal Coliforms.
- . For systems serving ≤ 1000 persons that collect one or fewer routine samples per month, a triggered source water sample may be used as the fourth repeat, as noted in an approved plan, if *E. coli* was the indicator used. Show result in GW source column too.
11. The Department recommends using *E. coli* (see note 8). If enterococci or coliphage is used, note which in the comment box below.
12. Circle the appropriate result.

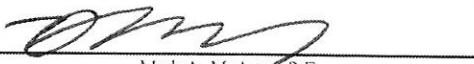
**CITY OF LOMITA**  
**RAW WATER MONITORING REPORT - DISINFECTED GROUNDWATER SOURCE**

System Name: CITY OF LOMITA

System No. 1910073 Month: JULY Year: 2015

I. DISINFECTED WELLS (Raw Water Bacteriological Sampling Prior to Disinfection)

Well Name or Number	Station Code	Status	Frequency of Sampling	Sampling Date	Total Coliform Result	Fecal Coliform Result
13-5	1910073-003	Online	Monthly	7/8/2015	Absent	Absent

Signature	Title	Date
	Public Works Director/City Engineer	10/2015 8
Mark A. McAvoy, P.E.		

**CITY OF LOMITA  
PUBLIC WORKS DEPARTMENT**

## **RAW WATER COLIFORM MONITORING**

NAME OF WATER SYSTEM: LOMITA, CITY OF  
SYSTEM NO: 1910073 MONTH:

1910073

MONTH: JULY      YEAR: 2015

### EXAMPLES:

OFFLINE

**STANDBY**

~~NOT TAKEN~~

NEG  
1

FOR TOTAL COLIFORM POSITIVE RESULTS RECEIVED, INDICATE THE CONFIRMATION SAMPLES COLLECTED ON SUMMARY AND ATTACH THE LAB RESULTS TO THIS PAGE

**COMMENTS:**

SIGNATURE:

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

Date: 8/10/2015

# MONTHLY SUMMARY OF MONITORING FOR SURFACE WATER TREATMENT REGULATIONS

System Name: **CITY OF LOMITA** System No.: **1910073**

Wholesaler Name: **WEST BASIN MUNICIPAL WATER DISTRICT**

Month: **JULY** Year: **2015**

## DISINFECTION PROCESS DATA

Disinfectant residual type:

Free chlorine (including well sources)	<input type="checkbox"/>
Free chlorine (no well sources)	<input type="checkbox"/>
Chloramines (including well sources)	<input checked="" type="checkbox"/> X
Chloramines (no well sources)	<input type="checkbox"/>

No. of distribution system residual samples collected:	29
No. of distribution system samples for HPC only:	0
Total No. residual and/or HPC samples collected:	29
No. of samples with no detectable residual and HPC is not measured:	0
No. of samples with no residual and HPC > 500 CFU/ml:	0
No. of samples for HPC only and HPC > 500 CFU/ml:	0
Total No. of samples with no residual and/or HPC > 500 CFU/ml:	0

Compute V = 1 - Total No. samples with no residual and/or HPC > 500 / Total No. residual and/or HPC samples collected

Meets Standard (i.e. V > 95%) (Y/N)? Y

## SUMMARY OF WATER QUALITY COMPLAINTS

General Complaints:

Type of Complaint	Number	Corrective Actions Taken
Taste/Odor	3	Investigated situation. Chlorine residual and pressure readings taken. Flushed local fire hydrant.
Color	0	
Turbidity	0	
Suspended Solids	0	
Other (Describe)	0	

Reports of Gastrointestinal Illness (Attach additional sheets if necessary):

Persons Reporting	Date	Corrective Actions Taken

Explain any failure of the standards and corrective action taken or planned (attach extra sheets if needed):


Signature:

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

Date:

8/10/2015

**CITY OF LOMITA**  
**MONTHLY GENERAL PHYSICAL SUMMARY**

Jul-15

Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl	7/1/2015	6:22 AM	0	1	ND	8.0	2
13-2 26314 S Monte Via	7/1/2015	6:40 AM	0	1	0.2	7.8	3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.							1
13-5 2500 PCH							1
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl	7/8/2015	7:15 AM	0	1	0.1	8.0	2
13-2 26314 S Monte Via							3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.	7/8/2015	8:15 AM	0	1	0.2	7.8	1
13-5 2500 PCH							1
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl							2
13-2 26314 S Monte Via							3
13-3 1948 W 252nd St	7/15/2015	10:21 AM	0	1	ND	7.7	1
13-4 24632 S. Moon Ave							1
13-5 2500 PCH	7/15/2015	8:37 AM	0	1	ND	8.0	2
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl							2
13-2 26314 S Monte Via	7/22/2015	6:20 AM	0	1	0.2	8.0	3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.	7/22/2015	8:12 AM	0	1	0.1	8.0	1
13-5 2500 PCH							1
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl	7/29/2015	8:33 AM	0	1	ND	7.9	2
13-2 26314 S Monte Via							3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave							1
13-5 2500 PCH	7/29/2015	8:15 AM	0	1	ND	8.0	2

Aug-15

Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl							2
13-2 26314 S. Monte Via							3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.							1
13-5 2500 PCH							2
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl							2
13-2 26314 S. Monte Via							3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.							1
13-5 2500 PCH							2
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl							2
13-2 26314 S. Monte Via							3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.							1
13-5 2500 PCH							2
Location	Date	Time	Color	Odor	Turbidity	pH	Zone
13-1 1912 W 259th Pl							2
13-2 26314 S. Monte Via							3
13-3 1948 W 252nd St							1
13-4 24632 S. Moon Ave.							1
13-5 2500 PCH							2

SIGNATURE:

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

DATE: 8/10/2015

**CITY OF LOMITA**  
**MONTHLY CHLORINE RESIDUAL SUMMARY**

**Jul-15**

Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone	Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone
13-1 1912 W. 259th Pl.	7/11/15	6:12 AM	2.08	A	A	2	13-1 1912 W. 259th Pl.						
13-2 26314 S. Monte Via.	7/11/15	6:22 AM	2.05	A	A	3	13-2 26314 S. Monte Via.						
13-3 1948 W. 252nd St.	7/11/15	6:40 AM	2.04	A	A	1	13-3 1948 W. 252nd St.						
13-4 24632 S. Moon Ave.	7/11/15	8:06 AM	0.74	A	A	1	13-4 24632 S. Moon Ave.						
13-5 2500 PCH	7/11/15	6:00 AM	1.71	A	A	2	13-5 2500 PCH						
Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone	Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone
13-1 1912 W. 259th Pl.	7/18/15	7:15 AM	1.89	A	A	2	13-1 1912 W. 259th Pl.						2
13-2 26314 S. Monte Via.	7/18/15	7:40 AM	2.00	A	A	3	13-2 26314 S. Monte Via.						3
13-3 1948 W. 252nd St.	7/18/15	7:55 AM	1.80	A	A	1	13-3 1948 W. 252nd St.						1
13-4 24632 S. Moon Ave.	7/18/15	8:15 AM	0.35	A	A	1	13-4 24632 S. Moon Ave.						1
13-5 2500 PCH	7/18/15	8:30 AM	1.88	A	A	2	13-5 2500 PCH						2
Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone	Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone
13-1 1912 W. 259th Pl.	7/15/15	8:51 AM	2.09	A	A	2	13-1 1912 W. 259th Pl.						2
13-2 26314 S. Monte Via.	7/15/15	9:02 AM	2.10	A	A	3	13-2 26314 S. Monte Via.						3
13-3 1948 W. 252nd St.	7/15/15	10:21 AM	1.29	A	A	1	13-3 1948 W. 252nd St.						1
13-4 24632 S. Moon Ave.	7/15/15	10:09 AM	0.73	A	A	1	13-4 24632 S. Moon Ave.						1
13-5 2500 PCH	7/15/15	8:37 AM	2.07	A	A	2	13-5 2500 PCH						2
Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone	Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone
13-1 1912 W. 259th Pl.	7/22/2015	6:47 AM	2.00	P	A	2	13-1 1912 W. 259th Pl.						2
13-2 26314 S. Monte Via.	7/22/2015	6:20 AM	1.90	A	A	3	13-2 26314 S. Monte Via.						3
13-3 1948 W. 252nd St.	7/22/2015	7:44 AM	1.10	A	A	1	13-3 1948 W. 252nd St.						1
13-4 24632 S. Moon Ave.	7/22/2015	8:12 AM	0.25	A	A	1	13-4 24632 S. Moon Ave.						1
13-5 2500 PCH	7/22/2015	7:17 AM	1.90	A	A	2	13-5 2500 PCH						2
13-1 1912 W. 259th Pl.	7/24/2015	10:40 AM	1.87	A	A	2							
Appian Way	7/24/2015	11:00 AM	1.89	A	A	2							
1920 259th St	7/24/2015	10:33 AM	2.20	A	A	2							
Hydrant Adj to 1906 259th St	7/24/2015	10:45 AM	1.99	A	A	2							
Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone	Location	Date	Time	CL2 Total mg/L	Total Coliform	Fecal E-coli	Zone
13-1 1912 W. 259th Pl.	7/29/2015	8:33 AM	2.10	A	A	2	13-1 1912 W. 259th Pl.						2
13-2 26314 S. Monte Via.	7/29/2015	8:15 AM	2.20	A	A	3	13-2 26314 S. Monte Via.						3
13-3 1948 W. 252nd St.	7/29/2015	9:40 AM	0.56	A	A	1	13-3 1948 W. 252nd St.						1
13-4 24632 S. Moon Ave.	7/29/2015	10:13 AM	0.35	A	A	1	13-4 24632 S. Moon Ave.						1
13-5 2500 PCH	7/29/2015	8:15 AM	2.20	A	A	2	13-5 2500 PCH						2

Average \_\_\_\_\_  
Signature: \_\_\_\_\_  
REVISED

1.63

#DIV/0!

Average \_\_\_\_\_  
DATE: 8/21/2015



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

# Clinical Laboratory of San Bernardino, Inc.



07 July 2015

Clinical Lab No.: 15G0171

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

Project Name: Standard Analysis  
Sub Project: Distribution Weekly, 1st Week of July

Enclosed are the results of the analyses for samples received at the laboratory on 07/01/15. 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: Distribution Weekly, 1st Week of July  
Project Manager: Mark Andersen

Work Order: 15G0171  
Received: 07/01/15 16:00  
Reported: 07/07/15

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

15G0171-01 (Water)

Sample Date: 07/01/15 6:12

Sampler: Edward Davivier

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

**Cl Res Total (Field)** Field **2.08** N/A mg/L 07/01/15 07/01/15 1527427

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505
E. Coli	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505

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

15G0171-02 (Water)

Sample Date: 07/01/15 6:22

Sampler: Edward Duvivier

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

**Cl Res Total (Field)** Field **2.05** N/A mg/L 07/01/15 07/01/15 1527427

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505
E. Coli	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505

#### General Physical Analyses

Apparent Color SM 2120B ND 3.0 15 Color Units 07/01/15 07/01/15 1527504

**Odor Threshold** EPA 140.1M **1** 1 3 TON 07/01/15 07/01/15 1527504

Turbidity EPA 180.1 ND 0.1 5 NTU 07/01/15 07/01/15 1527504

#### General Chemical Analyses

**pH (Lab)** SM 4500HB **8.0** N/A pH Units 07/01/15 07/01/15 1527339

1948 W 252nd St (S13-003 Zone 1)

15G0171-03 (Water)

Sample Date: 07/01/15 6:40

Sampler: Edward Duvivier

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

**Cl Res Total (Field)** Field **2.04** N/A mg/L 07/01/15 07/01/15 1527427

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505
E. Coli	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505

#### General Physical Analyses

Apparent Color SM 2120B ND 3.0 15 Color Units 07/01/15 07/01/15 1527504

**Odor Threshold** EPA 140.1M **1** 1 3 TON 07/01/15 07/01/15 1527504

Turbidity EPA 180.1 **0.2** 0.1 5 NTU 07/01/15 07/01/15 1527504

#### General Chemical Analyses

**pH (Lab)** SM 4500HB **7.8** N/A pH Units 07/01/15 07/01/15 1527339

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Distribution Weekly, 1st Week of July  
Project Manager: Mark Andersen

Work Order: 15G0171  
Received: 07/01/15 16:00  
Reported: 07/07/15

**24632 S Moon Ave (S13-004 Zone 1)**      **15G0171-04 (Water)**      **Sample Date:** 07/01/15 8:06      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **0.74**      N/A      mg/L      07/01/15      07/01/15      1527427

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505
E. Coli	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505

**2500 Pacific Coast Highway (S13-005 Zone 2)**      **15G0171-05 (Water)**      **Sample Date:** 07/01/15 6:00      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **1.71**      N/A      mg/L      07/01/15      07/01/15      1527427

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505
E. Coli	SM 9223	A	N/A	P/A	07/01/15	07/02/15	1527505

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.*

1560171

### *Chain of Custody*

# Clinical Laboratory of San Bernardino, Inc.



15 July 2015

Clinical Lab No.: 15G0902

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

Project Name: Standard Analysis  
Sub Project: Distribution Weekly

Enclosed are the results of the analyses for samples received at the laboratory on 07/08/15. 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,

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: Distribution Weekly  
Project Manager: Mark Andersen

Work Order: 15G0902  
Received: 07/08/15 18:00  
Reported: 07/15/15

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

15G0902-01 (Water)

Sample Date: 07/08/15 7:15 Sampler: Not Listed

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

**Cl Res Total (Field)** Field **1.89** N/A mg/L 07/08/15 07/08/15 1528544

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511
E. Coli	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511

#### General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/08/15	07/08/15	1528548
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/08/15	07/08/15	1528548
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<b>Turbidity</b>	EPA 180.1	<b>0.1</b>	0.1	5	NTU	07/08/15	07/08/15	1528548
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#### General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>8.0</b>	N/A	pH Units	07/09/15	07/09/15	1528559
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26314 S. Monte Vista Ave. (S13-002 Zone: 3)

15G0902-02 (Water)

Sample Date: 07/08/15 7:40 Sampler: Not Listed

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 07/08/15 07/08/15 1528544

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511
E. Coli	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511

1948 W 252nd St (S13-003 Zone 1)

15G0902-03 (Water)

Sample Date: 07/08/15 7:55 Sampler: Not Listed

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

**Cl Res Total (Field)** Field **1.8** N/A mg/L 07/08/15 07/08/15 1528544

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511
E. Coli	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Distribution Weekly  
Project Manager: Mark Andersen

Work Order: 15G0902  
Received: 07/08/15 18:00  
Reported: 07/15/15

24632 S Moon Ave (S13-004 Zone 1)	15G0902-04 (Water)		Sample Date:		07/08/15	8:15	Sampler:	Not Listed	
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier

#### Field Analyses

**Cl Res Total (Field)** Field **0.35** N/A mg/L 07/08/15 07/08/15 1528544

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511
E. Coli	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511

#### General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/08/15	07/08/15	1528548
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/08/15	07/08/15	1528548
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<b>Turbidity</b>	EPA 180.1	<b>0.2</b>	0.1	5	NTU	07/08/15	07/08/15	1528548
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#### General Chemical Analyses

<b>pH (Lab)</b>	SM 4500HB	<b>7.8</b>	N/A	pH Units	07/09/15	07/09/15	1528559
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2500 Pacific Coast Highway (S13-005 Zone 2) 15G0902-05 (Water) Sample Date: 07/08/15 8:30 Sampler: Not Listed

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

**Cl Res Total (Field)** Field **1.88** N/A mg/L 07/08/15 07/08/15 1528544

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511
E. Coli	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511

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.**

5/21/φ  
5G002

**Chain of Custody**

Client	City of Lomita			System Number			Analysis Requested		
Address	24373 Walnut Avenue Lomita, CA 91717			<b>1910073</b>					
Phone #	(310) 325-9830			<i>Destination Laboratory</i>					
Fax #	(310) 325-3627			[X] Clinical Laboratory					
Project	Standard Analysis			RWQCB Compliance					
Sub Project	Distribution Weekly			YES					
Comments				ELAP #					
Sampled by				<b>1088</b>					
Date	Time	Sample Identification			Matrix	Preserv	Type	Total Chlorine	Comments
7/8/2015	7:15 AM	1912 W. 259th St. (S13-001 Zone: 2)			DW	1,7	1D	<b>1.89</b>	X X X
7/8/2015	7:40 AM	26314 S. Monte Vista Ave (S13-002 Zone: 3)			DW	1,7	1D	<b>2.00</b>	X
7/8/2015	7:55 AM	1948 W. 252nd St. (S13-003 Zone: 1)			DW	1,7	1D	<b>1.80</b>	X
7/8/2015	8:15 AM	24632 S. Moon Ave. ( S13-004 Zone: 1)			DW	1,7	1D	<b>0.35</b>	X X
7/8/2015	8:30 AM	2500 Pacific Coast Highway (S13-005 Zone: 2)			DW	1,7	1D	<b>1.88</b>	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)		
<i>Chubaysha</i>	<i>Joselin Nguyen /</i> City of Lomita			<i>7/8/2015 / 11:00 AM</i>			<i>J. LeCours</i>		
Comments:	<i>5/20/15 assb</i>						<i>ice</i>		
Shipped via	Fed X    [ ] Golden State    [ ] UPS    [ ] Client			Other			Intact ( ) On ice ( ) Intact ( ) Custody seals Temp _____ <i>19.4 ( ) F ( ) C</i>		
							<i>Page 1 of 1</i>		

# Clinical Laboratory of San Bernardino, Inc.



20 July 2015

Clinical Lab No.: 15G0789

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

Project Name: Standard Analysis  
Sub Project: CWPF Monthly Samples

Enclosed are the results of the analyses for samples received at the laboratory on 07/08/15. 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,

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 Samples  
Project Manager: Mark Andersen

Work Order: 15G0789  
Received: 07/08/15 18:00  
Reported: 07/20/15

**Filter Effluent (Free Chlorine) Site #2**      **15G0789-01 (Water)**      **Sample Date:** 07/08/15 11:20      **Sampler:** Edward Duvivier

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

**Cl Res Free (Field)**      Field      **14.02**      N/A      mg/L      07/08/15      07/08/15      1528522

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511	
E. Coli	SM 9223	A	N/A	P/A	07/08/15	07/09/15	1528511	
Plate Count	SM9215B	ND	1	500	CFU/ml	07/08/15	07/10/15	1528601

**Filter Effluent (Chloramine) Site #3**      **15G0789-02 (Water)**      **Sample Date:** 07/08/15 11:22      **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      07/08/15      07/08/15      1528548

**Odor Threshold**      EPA 140.1M      **1**      1      3      TON      07/08/15      07/08/15      1528548

**Metals**

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	07/10/15	07/10/15	1528457
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	07/10/15	07/10/15	1528457

**Reservoir Effluent Site #5**      **15G0789-03 (Water)**      **Sample Date:** 07/08/15 11:29      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **3.27**      N/A      mg/L      07/08/15      07/08/15      1528441

**General Physical Analyses**

Apparent Color      SM 2120B      ND      3.0      15      Color Units      07/08/15      07/08/15      1528548

**Odor Threshold**      EPA 140.1M      **1**      1      3      TON      07/08/15      07/08/15      1528548

**General Chemical Analyses**

**pH (Lab)**      SM 4500HB      **7.8**      N/A      pH Units      07/09/15      07/09/15      1528468

**Total Filterable Residue/TDS**      SM 2540C      **700**      5.0      1000      mg/L      07/10/15      07/11/15      1529195

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

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

Work Order: 15G0789  
Received: 07/08/15 18:00  
Reported: 07/20/15

**Zone #2 (MET) Site #6**      **15G0789-04 (Water)**      **Sample Date:** 07/08/15 11:24      **Sampler:** Edward Duvivier

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

Cl Res Total (Field)      Field      **2.05**      N/A      mg/L      07/08/15      07/08/15      1528441

**General Chemical Analyses**

Total Filterable Residue/TDS      SM 2540C      **670**      5.0      1000      mg/L      07/10/15      07/11/15      1529195

**Raw Water (Well #5) Site #1**      **15G0789-05 (Water)**      **Sample Date:** 07/08/15 11:19      **Sampler:** Edward Duvivier

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

Cl Res Total (Field)      Field      **0**      N/A      mg/L      07/08/15      07/08/15      1528441

**Microbiology Analyses**

Total Coliform      SM 9223      **A**      N/A      P/A      07/08/15      07/09/15      1528511

E. Coli      SM 9223      **A**      N/A      P/A      07/08/15      07/09/15      1528511

**Plate Count**      SM9215B      **5**      1      500      CFU/ml      07/08/15      07/10/15      1528601

**General Physical Analyses**

Apparent Color      SM 2120B      **10.0**      3.0      15      Color Units      07/08/15      07/08/15      1528548

Odor Threshold      EPA 140.1M      **2**      1      3      TON      07/08/15      07/08/15      1528548

**General Chemical Analyses**

pH (Lab)      SM 4500HB      **8.1**      N/A      pH Units      07/09/15      07/09/15      1528468

**Metals**

Iron (Fe)      EPA 200.7      **480**      100      300      ug/L      07/10/15      07/10/15      1528457

Manganese (Mn)      EPA 200.7      **130**      20      50      ug/L      07/10/15      07/10/15      1528457

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.

## EDT Transfer Confirmation 1



Page 1 of 1

Work Order: 15G0789

Report Date: 07/20/2015

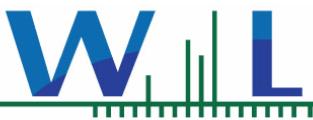
Analyzing Lab: Clinical Laboratory of San Bernardino, Inc. ELAP 1088

LOMITA-CITY, WATER DEPT.

User ID: 4TH

System: 1910073

WELL 05	Station No.: 1910073-003	Sampled: 150708 11:19
COLOR	Result: 10.0 Units: UNITS	Entry No.: 00081 Analyzed: 150708
ODOR THRESHOLD @ 60 C	Result: 2 Units: TON	Entry No.: 00086 Analyzed: 150708
PH (LABORATORY)	Result: 8.1 Units: UNITS	Entry No.: 00403 Analyzed: 150709
IRON	Result: 480 Units: UG/L	Entry No.: 01045 Analyzed: 150710
MANGANESE	Result: 130 Units: UG/L	Entry No.: 01055 Analyzed: 150710
MWD CONNECTION WB-8A & WB-8B/TREATED	Station No.: 1910073-005	Sampled: 150708 11:24
TOTAL DISSOLVED SOLIDS	Result: 670 Units: MG/L	Entry No.: 70300 Analyzed: 150711
WELL 05 TREATMENT PLANT EFFLUENT	Station No.: 1910073-006	Sampled: 150708 11:22
COLOR	Result: ND Units: UNITS	Entry No.: 00081 Analyzed: 150708
ODOR THRESHOLD @ 60 C	Result: 1 Units: TON	Entry No.: 00086 Analyzed: 150708
IRON	Result: ND Units: UG/L	Entry No.: 01045 Analyzed: 150710
MANGANESE	Result: ND Units: UG/L	Entry No.: 01055 Analyzed: 150710



## Certificate of Analysis

Report Date: 07/17/15 15:25

Received Date: 07/10/15 10:20

Turnaround Time: 5 workdays

Project: 15G0789

Phones: (909) 825-7693

Fax: (909) 825-7696

P.O. #:

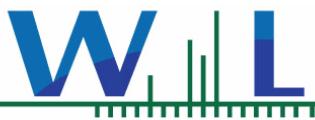
Attn: John Styles

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 7/10/2015 with the Chain of Custody document. The samples were received in good condition, at 3.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5G10029-01	Sample ID: Reservoir Effluent Site #5 / 15G0789-03								Matrix: Water	
Sampled by: Client	Sampled: 07/08/15 11:29									
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	0.48	0.010	mg/l	1	RSK-175	7/16/15	7/16/15 16:17		W5G0862	
Lab ID: 5G10029-02	Sample ID: Raw Water (Well #5) Site #1 / 15G0789-05								Matrix: Water	
Sampled by: Client	Sampled: 07/08/15 11:19									
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane .....	6.7	0.20	mg/l	20	RSK-175	7/16/15	7/16/15 16:06		W5G0862	

**Certificate of Analysis****Quality Control Section****Dissolved Gases in Water by RSK-175 - Quality Control****Batch W5G0862 - RSK-175**

Blank (W5G0862-BLK1)		Prepared: 07/16/15 Analyzed: 07/16/15 15:34							
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	ND			mg/l					
LCS (W5G0862-BS1)		Prepared: 07/16/15 Analyzed: 07/16/15 15:55							
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.216			mg/l	0.198	109	85-115		
Calibration Check (W5G0862-CCV1)		Prepared: 07/16/15 Analyzed: 07/16/15 15:45							
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.00756			mg/l	0.00792	95	50-150		
Calibration Check (W5G0862-CCV2)		Prepared: 07/16/15 Analyzed: 07/16/15 15:23							
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.210			mg/l	0.198	106	85-115		
Duplicate (W5G0862-DUP1)		Source: 5G16035-01			Prepared: 07/16/15 Analyzed: 07/16/15 16:38				
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane .....	0.558 .....	0.619		mg/l				10	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**

**15G0789**

5G10029

**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 Site #5 / 15G0789-03**

**Sampled: 07/08/15 11:29 PS Code:**

**Water**

**WTX ID:**

**UCMR ID:**

Methane RSK175

Report in mg/L

*Containers Supplied:*

40ml Amber Vial (A)      40ml Amber Vial (B)

**Sample ID: Raw Water (Well #5) Site #1 / 15G0789-05**

**Sampled: 07/08/15 11:19 PS Code: 1910073-003**

**Water**

**WTX ID:**

**UCMR ID:**

Methane RSK175

Report in mg/L

*Containers Supplied:*

40mL Amber Vial HCl (B) 40mL Amber Vial HCl (C)

Released By

07/10/15 07:50

Date / Time

Received By

Date / Time

7-10-15 / 8:00

Released By

Date / Time

7-10-15 / 10:20

Received By

Date / Time

7-10-15 / 10:20 33°C

*Clinical Laboratory of San Bernardino, Inc.*

*Chain of Custody*

15610789

2) 3) 7)

Client Address	City of Lomita		System Number	Analysis Requested			
	24373 Walnut Avenue Lomita, CA 91717		<b>1910073</b>				
Phone #	(310) 325-9830		<i>Destination Laboratory</i>				
Fax #	(310) 325-3627		<input checked="" type="checkbox"/> Clinical Laboratory				
Project	Standard Analysis		RWQCB Compliance				
Sub Project	CWPF Monthly Sampling		YES				
Comments			ELAP #				
Sampled by	Edward Juvic		1088 ppm				
Date	Time	Sample Identification	Matrix	Preserv.	Type	Total Chlorine	Comments
7-8-15	1120	Filter Effluent (free chlorine) #2	DW	1,7	IW	14.02	X
7-8-15	1122	Filter Effluent (chloramine) Site #3	DW	-	IW		X X
7-8-15	1129	Reservoir Effluent Site #5	DW	HA	ID	3.27	X
7-8-15	1128	Reservoir Effluent Site #5	DW	-	ID	3.27	X X
7-8-15	1124	Zone #2 (MET) Site #6	DW	-	ID	2.05	X
7-8-15	1118	Raw Water (Well #5) Site #1	GW	-	IW	0mg/L	X X
7-8-15	1119	Raw Water (Well #5) Site #1	GW	-	IW	0mg/L	X X
Relinquished By (Sign)			Print Name	Company	Date / Time	Received By (Sign)	On ice <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Custody seals <input checked="" type="checkbox"/> Temp _____
<i>SLH</i>			Edward J. Juvic	City of Lomita	7-8-15 / 6:00	<i>SLH</i>	<i>SLH</i>
Comments			Samples received <input checked="" type="checkbox"/> On ice <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Custody seals <input checked="" type="checkbox"/> Temp _____				
Shipped Via			<input checked="" type="checkbox"/> Fed X	<input checked="" type="checkbox"/> Golden State	<input checked="" type="checkbox"/> UPS	<input checked="" type="checkbox"/> Client	<input checked="" type="checkbox"/> Other
			<input checked="" type="checkbox"/> F	<input checked="" type="checkbox"/> C	<input checked="" type="checkbox"/> H	<input checked="" type="checkbox"/> WMA	<input checked="" type="checkbox"/> C
			Page <u>1</u> of <u>1</u>				

# Clinical Laboratory of San Bernardino, Inc.



23 July 2015

Clinical Lab No.: 15G1405

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

Project Name: Standard Analysis  
Sub Project: Distribution Weekly

Enclosed are the results of the analyses for samples received at the laboratory on 07/15/15. 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,

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: Distribution Weekly  
Project Manager: Mark Andersen

Work Order: 15G1405  
Received: 07/15/15 16:15  
Reported: 07/23/15

**1912 W. 259th PI (S13-001 Zone: 2)**      **15G1405-01 (Water)**      **Sample Date:** 07/15/15 8:51      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **2.09**      N/A      mg/L      07/15/15      07/15/15      1529436

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506
E. Coli	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506

**26314 S. Monte Vista Ave. (S13-002 Zone: 3)**      **15G1405-02 (Water)**      **Sample Date:** 07/15/15 9:02      **Sampler:** Edward Duvivier

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      07/15/15      07/15/15      1529436

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506
E. Coli	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506

**1948 W 252nd St (S13-003 Zone 1)**      **15G1405-03 (Water)**      **Sample Date:** 07/15/15 10:21      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **1.29**      N/A      mg/L      07/15/15      07/15/15      1529436

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506
E. Coli	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506

**General Physical Analyses**

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/15/15	07/15/15	1529527
<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/15/15	07/15/15	1529527
Turbidity	EPA 180.1	ND	0.1	5	NTU	07/15/15	07/15/15	1529527

**General Chemical Analyses**

<b>pH (Lab)</b>	SM 4500HB	<b>7.7</b>	N/A	pH Units	07/16/15	07/16/15	1529466
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# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Distribution Weekly  
Project Manager: Mark Andersen

Work Order: 15G1405  
Received: 07/15/15 16:15  
Reported: 07/23/15

**24632 S Moon Ave (S13-004 Zone 1)**      **15G1405-04 (Water)**      **Sample Date:** 07/15/15 10:09      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **0.73**      N/A      mg/L      07/15/15      07/15/15      1529436

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506
E. Coli	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506

**2500 Pacific Coast Highway (S13-005 Zone 2)**      **15G1405-05 (Water)**      **Sample Date:** 07/15/15 8:37      **Sampler:** Edward Duvivier

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

**Cl Res Total (Field)**      Field      **2.07**      N/A      mg/L      07/15/15      07/15/15      1529436

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506
E. Coli	SM 9223	A	N/A	P/A	07/15/15	07/16/15	1529506

**General Physical Analyses**

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/15/15	07/15/15	1529527
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/15/15	07/15/15	1529527
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Turbidity	EPA 180.1	ND	0.1	5	NTU	07/15/15	07/15/15	1529527
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**General Chemical Analyses**

<b>pH (Lab)</b>	SM 4500HB	<b>8.0</b>	N/A	pH Units	07/16/15	07/16/15	1529466
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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

5 | 2 | 0

**Clinical Laboratory of San Bernardino, Inc.**

## Chain of Custody

1561495

# Clinical Laboratory of San Bernardino, Inc.



31 July 2015

Clinical Lab No.: 15G2083

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

Project Name: Standard Analysis  
Sub Project: Lomita Distribution Sample Non-Compliance

Enclosed are the results of the analyses for samples received at the laboratory on 07/22/15. 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

# Clinical Laboratory of San Bernardino, Inc.



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

Project: Standard Analysis  
Sub Project: Lomita Distribution Sample Non-Compliance  
Project Manager: Mark Andersen

Work Order: 15G2083  
Received: 07/22/15 16:00  
Reported: 07/31/15

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

**15G2083-01 (Water)**

**Sample Date:** 07/22/15 6:47

**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 07/22/15 07/22/15 1530447

**Microbiology Analyses**

Total Coliform	SM 9223	P	N/A	P/A	07/22/15	07/23/15	1530475	Note
E. Coli	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475	

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

**15G2083-02 (Water)**

**Sample Date:** 07/22/15 6:20

**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 **1.9** N/A mg/L 07/22/15 07/22/15 1530447

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475
E. Coli	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475

**General Physical Analyses**

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/22/15	07/22/15	1530495
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/22/15	07/22/15	1530495
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<b>Turbidity</b>	EPA 180.1	<b>0.2</b>	0.1	5	NTU	07/22/15	07/22/15	1530495
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**1948 W 252nd St (S13-003 Zone 1)**

**15G2083-03 (Water)**

**Sample Date:** 07/22/15 7:44

**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 **1.1** N/A mg/L 07/22/15 07/22/15 1530447

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475
E. Coli	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Lomita Distribution Sample Non-Compliance  
Project Manager: Mark Andersen

Work Order: 15G2083  
Received: 07/22/15 16:00  
Reported: 07/31/15

**24632 S Moon Ave (S13-004 Zone 1)**      **15G2083-04 (Water)**      **Sample Date:** 07/22/15 8:12      **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      **0.25**      N/A      mg/L      07/22/15      07/22/15      1530447

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475
E. Coli	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475

#### General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/22/15	07/22/15	1530495
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/22/15	07/22/15	1530495
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<b>Turbidity</b>	EPA 180.1	<b>0.1</b>	0.1	5	NTU	07/22/15	07/22/15	1530495
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**2500 Pacific Coast Highway (S13-005 Zone 2)**      **15G2083-05 (Water)**      **Sample Date:** 07/22/15 7:17      **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      **1.9**      N/A      mg/L      07/22/15      07/22/15      1530447

#### Microbiology Analyses

Total Coliform	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475
E. Coli	SM 9223	A	N/A	P/A	07/22/15	07/23/15	1530475

Note      Notified Edward 7/23/15 1507

ND      Analyte NOT DETECTED at or above the reporting limit



# Clinical Laboratory of San Bernardino, Inc.



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

**Contact:** Mark Andersen  
**Phone:** (310) 325-9830  
**Fax:** (310) 325-3627  
**System:** 1910073

**Project:** Standard Analysis

**Sub Project:** Lomita Distribution Repeat Sample

**Sampler:** Edward Duvivier

**Sampled:** 07/24/15

**Received:** 07/24/15 15:50

**Reported:** 07/28/15

## RESULTS

Laboratory	Sample	Sample	Cl Res Total (Field)	Total Coliform	E. Coli
ID	Time	Location	mg/L	P/A	P/A
15G2218-01	10:40	1912 W. 259th Pl (S13-001 Zone: 2)	1.87	A	A
15G2218-02	11:00	Appian Way	1.89	A	A
15G2218-03	10:33	1920 259th St	2.20	A	A
15G2218-04	10:45	Hydrant Adj to 1906 259th St	1.99	A	A

Stu Styles

Client Services Manager

## **Clinical Laboratory of San Bernardino, Inc.**

4/0 P

15G218

## ***Chain of Custody***

Preservatives: (1)  $\text{Na}_2\text{S}_2\text{O}_3$  (2) HCl (3)  $\text{HNO}_3$  (4)  $\text{NH}_4\text{Cl}$   
(5)  $\text{H}_2\text{SO}_4$  (6)  $\text{Na}_2\text{SO}_3$  (7) Cold (8) Other: \_\_\_\_\_

**Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, W-Well D-Dist.**  
**Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special**

Distinguished By (Sign)	Print Name / Company	Date / Time	Received By (Sign)	
<i>EDWARD DUVIVIER</i>	Edward DuVivier City of Lomita	7/24/2015 1112 1125	<i>Ray Chapman</i>	<i>D. Chapman/CS</i>
<i>Ray Chapman</i>	<i>D. Chapman/CSB</i>	4 350	<i>JSA</i>	<i>(P ASN</i>
Comments:	Samples received: <input checked="" type="checkbox"/> On ice <input type="checkbox"/> Intact <input type="checkbox"/> Custody seals Temp _____ <i>Temp 16</i> <input checked="" type="checkbox"/> 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.



05 August 2015

Clinical Lab No.: 15G2632

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

Project Name: Standard Analysis  
Sub Project: Distribution Weekly

Enclosed are the results of the analyses for samples received at the laboratory on 07/29/15. 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

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Distribution Weekly  
Project Manager: Mark Andersen

Work Order: 15G2632  
Received: 07/29/15 16:15  
Reported: 08/05/15

**1912 W. 259th PI (S13-001 Zone: 2)**      **15G2632-01 (Water)**      **Sample Date:** 07/29/15 8:33      **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      07/29/15      07/29/15      1531490

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493
E. Coli	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493

**General Physical Analyses**

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/29/15	07/29/15	1531505
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/29/15	07/29/15	1531505
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Turbidity	EPA 180.1	ND	0.1	5	NTU	07/29/15	07/29/15	1531505
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**General Chemical Analyses**

<b>pH (Lab)</b>	SM 4500HB	<b>7.9</b>	N/A	pH Units	07/30/15	07/30/15	1531385
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**26314 S. Monte Vista Ave. (S13-002 Zone: 3)**      **15G2632-02 (Water)**      **Sample Date:** 07/29/15 8:15      **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      **2.2**      N/A      mg/L      07/29/15      07/29/15      1531490

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493
E. Coli	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493

**1948 W 252nd St (S13-003 Zone 1)**      **15G2632-03 (Water)**      **Sample Date:** 07/29/15 9:40      **Sampler:** David Huerta

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

**Cl Res Total (Field)**      Field      **0.56**      N/A      mg/L      07/29/15      07/29/15      1531490

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493
E. Coli	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493

# Clinical Laboratory of San Bernardino, Inc.



Lomita, City of  
24373 Walnut Avenue  
Lomita CA, 91717

Project: Standard Analysis  
Sub Project: Distribution Weekly  
Project Manager: Mark Andersen

Work Order: 15G2632  
Received: 07/29/15 16:15  
Reported: 08/05/15

**24632 S Moon Ave (S13-004 Zone 1)**      **15G2632-04 (Water)**      **Sample Date:** 07/29/15 10:13      **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      **0.35**      N/A      mg/L      07/29/15      07/29/15      1531490

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493
E. Coli	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493

**2500 Pacific Coast Highway (S13-005 Zone 2)**      **15G2632-05 (Water)**      **Sample Date:** 07/29/15 8:15      **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      **2.2**      N/A      mg/L      07/29/15      07/29/15      1531490

**Microbiology Analyses**

Total Coliform	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493
E. Coli	SM 9223	A	N/A	P/A	07/29/15	07/30/15	1531493

**General Physical Analyses**

Apparent Color	SM 2120B	ND	3.0	15	Color Units	07/29/15	07/29/15	1531505
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<b>Odor Threshold</b>	EPA 140.1M	<b>1</b>	1	3	TON	07/29/15	07/29/15	1531505
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Turbidity	EPA 180.1	ND	0.1	5	NTU	07/29/15	07/29/15	1531505
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**General Chemical Analyses**

<b>pH (Lab)</b>	SM 4500HB	<b>8.0</b>	N/A	pH Units	07/30/15	07/30/15	1531385
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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.*

## *Chain of Custody*

15612632