

CITY OF LOMITA



Cypress Water Production Facility Monthly Status Report

SEPTEMBER 2016

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CITY COUNCIL

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



CITY OF LOMITA

ADMINISTRATION

RYAN SMOOT
CITY MANAGER

October 11, 2016

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 September 1 through September 30, 2016.

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 September 2016.

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

Sincerely,


Mark A. McAvoy
For

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

The CWPF was taken offline during the month of August 2016 and remained offline during the month of September 2016 for SCADA maintenance and upgrades.

C. OPERATIONAL INTERRUPTIONS

The CWPF was taken offline during the month of August 2016 and remained offline during the month of September 2016 for SCADA maintenance and upgrades.

D. SAMPLE LOCATIONS

Compliance monitoring was performed at the following sample locations: SP1, and SP6. The SP1 sample location is the raw well water sample location. 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 SP1.

E2. FREE AND TOTAL CHLORINE RESIDUALS

The CWPF was taken offline during the month of August 2016 and remained offline during the month of September 2016 for SCADA maintenance and upgrades.

See Table 2 below for a weekly summary of results.

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 and SP6.

E3-1 TOTAL DISSOLVED SOLIDS (TDS)

TDS results are shown only for SP6. See Table 3 below.

E3-2 HARDNESS

Hardness results are shown for SP1 and SP6. See Table 3 below.

E3-3 DISSOLVED METHANE (IN WATER)

Methane levels are shown for SP1 only. See Table 3 below.

E3-4 METHANE (IN AIR)

No reads were taken in the month of September 2016.

E3-5 ODOR

No reads were taken in the month of September 2016.

E4. NITRIFICATION MONITORING

Weekly Nitrification sampling was performed during the month of September 2016, 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
9/7/2016								OFFLINE		500	OFFLINE	300	OFFLINE	50	OFFLINE	15
9/14/2016												300		50		15
9/21/2016												300		50		15
9/28/2016	350	300	150	50	10	15	A					300		50		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	Total NH ₃	Free Cl	Total Cl	Total NH ₃	Free Cl	Total Cl	Total NH ₃
9/7/2016	OFFLINE	OFFLINE			OFFLINE			OFFLINE		
9/14/2016										
9/21/2016										
9/28/2016										

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	SP1 - Raw Well Water	SP6 - MWD Water	SP5 - Reservoir Effluent	Goal= 180 - 250 mg/L	SP1 - Raw Well Water	SP5 - Reservoir Effluent
9/7/2016			OFFLINE	500-750	OFFLINE	3						OFFLINE
9/14/2016				500-750		3						
9/21/2016				500-750		3						
9/28/2016	720	510		500-750		3	300	190	OFF LINE	180-250	4.0	

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 CaCO₃

Methane (Water) - Methane dissolved in water

Monthly CWPFF Monitoring Report – SEPTEMBER 2016

Cypress Water Production Facility City of Lomita; System No. 1910073

Sample Locations and Parameters	Frequency	MCL/ Goal	9/7	9/14	9/21	9/28	5 th Wk	Comments and/or Other Info.
			1stWk	2 nd Wk	3rdWk	4 th Wk		
			or Mo. Result (date)					

SP1 --- Also called Well 5 Raw Water or Site#1.

TDS, ppm	Monthly	See SP5	720 9/7/16	Operations Data/Information: CWPFF operation days On Well 5: Daily average flow - ___ gpm; ___ total prod. - ___ AF Combined Well 5/MWD data: Average Well 5: MWD blend Ratio - ___%; ___%; ___ total prod.- ___ AF Chlorine Dosage: N/A*				*Chlorine injected after SP1, before entering the greensand filter. * CWPFF OFFLINE DURING THE MONTH OF SEPTEMBER 2016
Hardness	Monthly	See SP5	300 9/7/16					
CH4, ppm	Monthly	See SP5	4.0 9/7/16					
Iron, ppb	Monthly	See SP3	350 9/7/16					
Manganese, ppb	Monthly	See SP3	150 9/7/16					
Color, units	Monthly	See SP3	10 9/7/16					
Total Coliform, P or A	Monthly	A	A 9/7/16					

SP2 --- Also called Filter Effluent or Site#3.

Total Coliform, P or A	Monthly	A	-	Ammonia Dosage: N/A*				*Ammonia added after filter effluent
HPC, MPN/100 ml	Monthly	500	-					
Free Cl Res, ppm	Continuous	Average: ___; Range: ___ - ___						

SP3 --- Also called the Site After Chloramination & Before MWD Blending or Site#4.

Iron, ppb	Weekly	300	-	-	-	-	-		
Manganese, ppb	Weekly	50	-	-	-	-	-		
Color	Weekly	15	-	-	-	-	-		
Free and Total Cl Res, ppm	Continuous	Free Cl: Average: __; Range: __ __							
		Total Cl: Average: __; Range: __ __							
		Ammonia: Average: __; Range: __ __							

SP4 --- Also called Reservoir Influent or the Site Well 5/MWD Water Blend Point/Phosphate Injection.

Phosphate Injection		Phosphate Dosage: 1.09 mg/L	
Free and Total Cl Res, ppm	Continuous	Free Cl: Average: __; Range: __ - __ Total Cl: Average: __; Range: __ - __ Ammonia: Average: __; Range: __ - __	Cl/NH3 Ratio: -

SP5 --- Also called Reservoir Effluent or Site#5. SP5 discharges into Zone 1 of the distribution system.

TDS, ppm	Weekly	SI Goal: 500-750ppm	-	-	-	-		
Hardness	Monthly	SI Goal: 180-250ppm	-	-	-	-		
CH4, ppm	Weekly	Goal: from PA	-	-	-	-		
Odor, units	Monthly	1	-	-	-	-		% CH4 Removal: ____%
Free and Total Cl Res, ppm	Continuous	Free Cl: Average: ____; Range: ____ - ____ Total Cl: Average: ____; Range: ____ - ____ Ammonia: Average: ____; Range: ____ - ____						Cl/NH3 Ratio:

Headspace of the Cypress Reservoir.

1CH4 ppmv; using Portable Device	Daily (from log)	Goal - LEL	CH4 Average: ___% CH4 Range: ___% - ___%				
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SP 6 --- MWD Source Feeding CWPFF. Also called Zone 2 of the distribution system or Site #6.

TDS, ppm	Monthly	-----	510					
Hardness	Monthly	-----	190					

Notes: 1Self-Imposed (SI) Goals: TDS Goal-500-750 ppm; Hardness as CaCO3 Goal-180-250 ppm.

***This Report is due to DDW by the 10th of the following month.

Other Notes/Comments: (1) See comments on the last column

APPENDIX A

LABORATORY RESULTS

Clinical Laboratory of San Bernardino, Inc.



06 October 2016

Clinical Lab No.: 16I2324

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

Project Name: Standard Analysis
Sub Project: CWPF 4th Week SEPT Sampling

Enclosed are the results of the analyses for samples received at the laboratory on 09/28/16 . 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 4th Week SEPT Sampling
Project Manager: Mark Andersen

Work Order: 1612324
Received: 09/28/16 16:00
Reported: 10/06/16

RAW WATER SP 1

1612324-01 (Water)

Sample Date: 09/28/16 10:10 Sampler: DGM

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

pH (Field)	Field	8.24		N/A	pH Units	09/28/16	09/28/16	1640312	
Temperature (Field)	Field	24.2		N/A	°C	09/28/16	09/28/16	1640312	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	36	1	500	CFU/ml	09/28/16	09/30/16	1640375	

General Physical Analyses

Apparent Color	SM 2120B	10.0	3.0	15	Color Units	09/28/16	09/28/16	1640342	
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General Chemical Analyses

Hardness, Total (as CaCO ₃)	Calculated	300	6.6	N/A	mg/L	10/04/16	10/04/16	[CALC]	
Total Filterable Residue/TDS	SM 2540C	720	5.0	1000	mg/L	09/30/16	10/03/16	1640376	

Metals

Calcium (Ca)	EPA 200.7	78	1.0	N/A	mg/L	10/04/16	10/04/16	1641052	
Iron (Fe)	EPA 200.7	350	100	300	ug/L	10/04/16	10/04/16	1641059	
Magnesium (Mg)	EPA 200.7	26	1.0	N/A	mg/L	10/04/16	10/04/16	1641052	
Manganese (Mn)	EPA 200.7	150	20	50	ug/L	10/04/16	10/04/16	1641059	

Reservoir Effluent Site #6

1612324-02 (Water)

Sample Date: 09/28/16 10:30 Sampler: DGM

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	09/28/16	09/28/16	1640312	
pH (Field)	Field	7.56		N/A	pH Units	09/28/16	09/28/16	1640371	
Temperature (Field)	Field	24.5		N/A	°C	09/28/16	09/28/16	1640371	

General Chemical Analyses

Hardness, Total (as CaCO ₃)	Calculated	190	6.6	N/A	mg/L	10/04/16	10/04/16	[CALC]	
Total Filterable Residue/TDS	SM 2540C	510	5.0	1000	mg/L	09/30/16	10/03/16	1640376	

Metals

Calcium (Ca)	EPA 200.7	46	1.0	N/A	mg/L	10/04/16	10/04/16	1641052	
Magnesium (Mg)	EPA 200.7	19	1.0	N/A	mg/L	10/04/16	10/04/16	1641052	

ND Analyte NOT DETECTED at or above the reporting limit

Work Orders: 6130019

Report Date: 10/06/2016

Project: 1612324

Received Date: 9/30/2016

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 9/30/16 with the Chain-of-Custody document. The samples were received in good condition, at 1.7 °C and on ice. All analyses met the method criteria except as noted in the case narrative or in the report with data qualifiers.

Sample Results

Sample: Reservoir Influent Site #1/ 1612324-01
6130019-01 (Water)

Sampled: 09/28/16 10:10 by Client

Analyte	Result	MRL	Units	Dil	Analyzed	Qualifier
Method: RSK-175	Batch ID: W6J0151	Instr: GC09	Prepared: 10/04/16 10:47		Analyst: rhr	
Methane	4.0	0.20	mg/l	20	10/04/16 15:32	



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Quality Control Results

Dissolved Gases in Water by RSK-175

Analyte	Result	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Qualifier
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Batch: W6J0151 - Headspace

Blank (W6J0151-BLK1)

Methane ND 0.010 mg/l

Prepared & Analyzed: 10/04/16

LCS (W6J0151-BS1)

Methane 0.210 0.010 mg/l 0.198 106 85-115

Prepared & Analyzed: 10/04/16

Duplicate (W6J0151-DUP1)

Source: 6I27029-01

Methane 0.299 0.010 mg/l 0.266 12 20

Prepared & Analyzed: 10/04/16



WECK LABORATORIES, INC.

Certificate of Analysis

FINAL REPORT

Notes and Definitions

Item	Definition
ND	NOT DETECTED at or above the Method Reporting Limit (MRL). If Method Detection Limit (MDL) is reported, then ND means not detected at or above the MDL.
Dil	Dilution
dry	Sample results reported on a dry weight basis
RPD	Relative Percent Difference
% Rec	Percent Recovery
Source	Sample that was matrix spiked or duplicated.
MDL	Method Detection Limit
MRL	The minimum levels, concentrations, or quantities of a target variable (e.g., target analyte) that can be reported with a specified degree of confidence. The MRL is also known as Limit of Quantitation (LOQ) and Detection Limit for Reporting (DLR)
MDA	Minimum Detectable Activity
NR	Not Reportable
TIC	Tentatively Identified Compound (TIC) using mass spectrometry. The reported concentration is relative concentration based on the nearest internal standard. If the library search produces no matches at, or above 85%, the compound is reported as unknown.

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

An Absence of Total Coliform meets the drinking water standards as established by the California State Water Resources Control Board (SWRCB)

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

All samples collected by Weck Laboratories have been sampled in accordance to laboratory SOP Number MIS 002.

Not Certified Analyses Summary

Analyte	CAS #	Not Accredited By
RSK-175 in Water		
Methane	74-82-8	NELAP

Reviewed by:

Brandon Gee
Operations Manager/Senior PM



DoD-ELAP #L15-366 • ELAP-CA #1132 • EPA-UCMR #CA00211 • HW-DOH # • ISO 17025 #L15-365 • LACSD #10143 • NELAP-OR #4047 • NJ-DEP #CA015 • NV-DEP #NAC 445A • SCAQMD #93LA1006

This is a complete final report. The information in this report applies to the samples analyzed in accordance with the chain-of-custody document. Weck Laboratories certifies that the test results meet all requirements of TNI unless noted by qualifiers or written in the Case Narrative. This analytical report must be reproduced in its entirety.

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
16I2324

6I30019

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 [] nelson@clinical-lab.com

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

Water Trax Upload Client: [] Yes [x] No

Turn Around Time [] 10 Days [x] 5 Days [] Other ___ Days

Subcontract Comments:

Analysis

Comments

Sample ID: Reservoir Influent Site #1 / 16I2324-01

Sampled: 09/28/16 10:10 PS Code: 1910073-003
Water WTX ID:




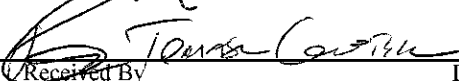
Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (C)

40ml Amber Vial (D)

	09/30/16 7:30		9/30/16 9:00
Released By	Date / Time	Received By	Date / Time
	9/30/16 10:10		9/30/16 10:08
Released By	Date / Time	Received By	Date / Time

1.72

16 I 2324

"Your Water and Wastewater Analysis Solution"

Clinical Laboratory of San Bernardino, Inc.



06 October 2016

Clinical Lab No.: 16I2299

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

Project Name: Standard Analysis
Sub Project: Distribution Weekly - 4th Week September 2016

Enclosed are the results of the analyses for samples received at the laboratory on 09/28/16 . 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: Distribution Weekly - 4th Week September 2016
Project Manager: Mark Andersen

Work Order: 1612299
Received: 09/28/16 16:00
Reported: 10/06/16

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

1612299-01 (Water)

Sample Date: 09/28/16 8:25 **Sampler:** CB

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

Cl Res Free (Field)	Field	0.1		N/A	mg/L	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	1.99		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	8.04		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	27.1		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	0.46	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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26314 Monte Vista Ave. (S13-002 Zone: 3)

1612299-02 (Water)

Sample Date: 09/28/16 8:10 **Sampler:** CB

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	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	2.13		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	7.92		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	24.2		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	0.46	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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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 - 4th Week September 2016
Project Manager: Mark Andersen

Work Order: 1612299
Received: 09/28/16 16:00
Reported: 10/06/16

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

1612299-03 (Water)

Sample Date: 09/28/16 7:10 **Sampler:** CB

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

Cl Res Free (Field)	Field	0.02		N/A	mg/L	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	2.15		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	8.41		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	24.2		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/28/16	09/28/16	1640342	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/28/16	09/28/16	1640342	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/28/16	09/28/16	1640342	

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	0.48	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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24632 S. Moon Ave (S13-004 Zone 1)

1612299-04 (Water)

Sample Date: 09/28/16 7:25 **Sampler:** CB

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	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	2.06		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	8.32		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	23.8		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/28/16	09/28/16	1640342	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/28/16	09/28/16	1640342	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/28/16	09/28/16	1640342	

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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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 - 4th Week September 2016
Project Manager: Mark Andersen

Work Order: 1612299
Received: 09/28/16 16:00
Reported: 10/06/16

2500 PCH (S13-005 Zone 2)

1612299-05 (Water)

Sample Date: 09/28/16 7:55 Sampler: CB

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

Cl Res Free (Field)	Field	0.05		N/A	mg/L	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	1.69		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	7.37		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	24.2		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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25417 Pennsylvania Ave (S13-008 Zone 1)

1612299-06 (Water)

Sample Date: 09/28/16 7:40 Sampler: CB

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	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	1.71		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	8.27		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	24.3		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	0.41	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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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 - 4th Week September 2016
Project Manager: Mark Andersen

Work Order: 1612299
Received: 09/28/16 16:00
Reported: 10/06/16

2052 Dawn St (A Zone 1)

1612299-07 (Water)

Sample Date: 09/28/16 6:55 **Sampler:** CB

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

Cl Res Free (Field)	Field	0.06		N/A	mg/L	09/28/16	09/28/16	1640282	
Cl Res Total (Field)	Field	2.1		N/A	mg/L	09/28/16	09/28/16	1640282	
pH (Field)	Field	8.45		N/A	pH Units	09/28/16	09/28/16	1640282	
Temperature (Field)	Field	22.3		N/A	°C	09/28/16	09/28/16	1640282	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
E. Coli	SM 9223	A		N/A	P/A	09/28/16	09/29/16	1640338	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/28/16	09/30/16	1640375	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/29/16	09/29/16	1640259	
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HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

ND Analyte NOT DETECTED at or above the reporting limit

121

662299

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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		Distribution Weekly - 4th Week September 2016		YES									
Comments				ELAP #									
Sampled by		CB		1088									
Date	Time	Sample Identification	Matrix	Preserv	Type	Bottle #	Temp C	Free Chlorine	Total Chlorine	General Physical	Nitrate	HPC	PH
9/28/2016	8:25 AM	1912 W. 259th St. (S13-001 Zone: 2)	DW	1,7	1D	1	27.1	.10	1.99	X	X	X	8.04
9/28/2016	8:10 AM	26314 Monte Vista (S13-002 Zone:3)	DW	1,7	1D	2	24.2	0	2.13	X	X	X	7.92
9/28/2016	7:10 AM	1948 W. 252nd St. (S13-003 Zone: 1)	DW	1,7	1D	3	24.2	.02	2.15	X	X	X	8.41
9/28/2016	7:25 AM	24632 S. Moon Ave. (S13-004 Zone: 1)	DW	1,7	1D	4	23.8	0	2.06	X	X	X	8.32
9/28/2016	7:55 AM	2500 PCH (S-13-005 Zone: 2)	DW	1,7	1D	5	24.2	.05	1.69	X	X	X	7.37
		Reservoir SP5	DW	1,7	1D								OFF SCADA UPGRADE
9/28/2016	7:40 AM	25417 Pennsylvania Ave (S13-008 Zone: 1)	DW	1,7	1D	7	24.3	0	1.71	X	X	X	8.27
9/28/2016	6:55 AM	2052 Dawn St (A Zone: 1)	DW	1,7	1D	8	22.3	.06	2.10	X	X	X	8.45
Preservatives: (1) Na ₂ S ₂ O ₃ (2) HCl (3) HNO ₃ (4) NH ₄ Cl (5) H ₂ SO ₄ (6) Na ₂ SO ₃ (7) Cold (8) Other:													
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)							
Carlos Bobadilla		City of Lomita		9/28/2016 12:30		J. Mendenhall							
		J. Mendenhall USB		9-28-16 4:00		Am C. S. B.							
Comments: "Nitrite Low Level EPA 353.2"				Samples received: (X) On ice () Intact () Custody seals Temp 10.5 () F () C									
Shipped Via		Fed X		Golden State		UPS							
		Client		Other		Page 1 of 1							

Clinical Laboratory of San Bernardino, Inc.



26 September 2016

Clinical Lab No.: 1611834

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

Project Name: Standard Analysis
Sub Project: Distribution Weekly - 3rd Week September 2016

Enclosed are the results of the analyses for samples received at the laboratory on 09/21/16 . 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: Distribution Weekly - 3rd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611834
Received: 09/21/16 16:00
Reported: 09/26/16

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

1611834-01 (Water)

Sample Date: 09/21/16 8:45 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	2		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	8.19		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	25.8		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/21/16	09/21/16	1639330	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/21/16	09/21/16	1639330	
Turbidity	EPA 180.1	0.4	0.1	5	NTU	09/21/16	09/21/16	1639330	

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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26314 Monte Vista Ave. (S13-002 Zone: 3)

1611834-02 (Water)

Sample Date: 09/21/16 8:30 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	1.9		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	8.09		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	25.1		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/21/16	09/21/16	1639330	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/21/16	09/21/16	1639330	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/21/16	09/21/16	1639330	

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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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 - 3rd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611834
Received: 09/21/16 16:00
Reported: 09/26/16

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

1611834-03 (Water)

Sample Date: 09/21/16 7:30 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.04		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	1.6		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	7.59		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	25.2		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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24632 S. Moon Ave (S13-004 Zone 1)

1611834-04 (Water)

Sample Date: 09/21/16 7:10 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	1.6		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	7.49		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	24.3		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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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 - 3rd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611834
Received: 09/21/16 16:00
Reported: 09/26/16

2500 PCH (S13-005 Zone 2)

1611834-05 (Water)

Sample Date: 09/21/16 9:30 Sampler: DM

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

Cl Res Free (Field)	Field	0.02		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	2.1		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	8		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	26.4		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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25417 Pennsylvania Ave (S13-008 Zone 1)

1611834-06 (Water)

Sample Date: 09/21/16 10:00 Sampler: DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	1.98		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	7.61		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	26.5		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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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 - 3rd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611834
Received: 09/21/16 16:00
Reported: 09/26/16

2052 Dawn St (A Zone 1)

1611834-07 (Water)

Sample Date: 09/21/16 7:00 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.08		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Total (Field)	Field	1.9		N/A	mg/L	09/21/16	09/21/16	1639360	
pH (Field)	Field	7.65		N/A	pH Units	09/21/16	09/21/16	1639360	
Temperature (Field)	Field	24.6		N/A	°C	09/21/16	09/21/16	1639360	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
E. Coli	SM 9223	A		N/A	P/A	09/21/16	09/22/16	1639313	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/21/16	09/23/16	1639439	HT-08

General Chemical Analyses

Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/22/16	09/22/16	1639262	
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HT-08 Analysis performed outside of recommended 8 hour hold time but within required 24 hour hold time.

ND Analyte NOT DETECTED at or above the reporting limit

1611834 / 10

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		Distribution Weekly - 3rd Week September 2016		YES									
Comments				ELAP #									
Sampled by		DM		1088									
Date	Time	Sample Identification	Matrix	Preserv	Type	Bottle #	Temp C	Free Chlorine	Total Chlorine	General Physical	Nitrate	HPC	PH
9/21/2016	0845	1912 W. 259th St. (S13-001 Zone: 2)	DW	1,7	1D	1	25.8	0.03	2	X	X	X	8.19
9/21/2016	0830	26314 Monte Vista (S13-002 Zone:3)	DW	1,7	1D	2	25.1	0.03	1.9	X	X	X	8.09
9/21/2016	0730	1948 W. 252nd St. (S13-003 Zone: 1)	DW	1,7	1D	3	25.2	0.04	1.6	X	X	X	7.59
9/21/2016	0710	24632 S. Moon Ave. (S13-004 Zone: 1)	DW	1,7	1D	4	24.3	0.03	1.6	X	X	X	7.49
9/21/2016	0930	2500 PCH (S-13-005 Zone: 2)	DW	1,7	1D	5	26.4	0.02	2.1	X	X	X	8
		Reservoir SP5	DW	1,7	1D								OFF SCADA UPGRADE
9/21/2016	1000	25417 Pennsylvania Ave (S13-008 Zone: 1)	DW	1,7	1D	7	26.5	0.03	1.98	X	X	X	7.61
9/21/2016	0700	2052 Dawn St (A Zone: 1)	DW	1,7	1D	8	24.6	0.08	1.9	X	X	X	7.65
Preservatives: (1) Na2S2O3 (2) HCl (3) HNO3 (4) NH4Cl (5) H2SO4 (6) Na2SO3 (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									
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)							
DANIEL MAYER		City of Lomita		9/21/2016 11:15		J. M. Mayer							
		J. M. Mayer		9-21-16 4:00		AM C. B.							
Comments: "Nitrite Low Level EPA 353.2"				Samples received: (X) On ice () Intact () Custody seals Temp 12.7 () F () C									
Shipped Via		Fed X		Golden State		UPS		Client		Other		Page 1 of 1	

Clinical Laboratory of San Bernardino, Inc.



28 September 2016

Clinical Lab No.: 1611276

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

Project Name: Standard Analysis
Sub Project: Distribution Weekly - 2nd Week September 2016

Enclosed are the results of the analyses for samples received at the laboratory on 09/14/16 . 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: Distribution Weekly - 2nd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611276
Received: 09/14/16 15:45
Reported: 09/28/16

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

1611276-01 (Water)

Sample Date: 09/14/16 0:00 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.02		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	2		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	8.21		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	24.6		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

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

1611276-02 (Water)

Sample Date: 09/14/16 0:00 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	2.1		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	8.21		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	24.6		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/14/16	09/14/16	1638387	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/14/16	09/14/16	1638387	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/14/16	09/14/16	1638387	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Distribution Weekly - 2nd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611276
Received: 09/14/16 15:45
Reported: 09/28/16

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

1611276-03 (Water)

Sample Date: 09/14/16 0:00 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.07		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	1.8		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	8.27		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	25.7		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

24632 S. Moon Ave. (S13-004 Zone: 1)

1611276-04 (Water)

Sample Date: 09/14/16 0:00 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	2.11		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	7.59		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	23.6		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/14/16	09/14/16	1638387	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/14/16	09/14/16	1638387	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/14/16	09/14/16	1638387	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Distribution Weekly - 2nd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611276
Received: 09/14/16 15:45
Reported: 09/28/16

2500 PCH (S13-005 Zone: 2)

1611276-05 (Water)

Sample Date: 09/14/16 0:00 Sampler: DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	1.7		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	8.12		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	24.2		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/14/16	09/14/16	1638387	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/14/16	09/14/16	1638387	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/14/16	09/14/16	1638387	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

25417 Pennsylvania Ave (S13-008 Zone: 1)

1611276-06 (Water)

Sample Date: 09/14/16 0:00 Sampler: DM

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

Cl Res Free (Field)	Field	0.06		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	1.5		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	7.91		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	24.4		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Distribution Weekly - 2nd Week September 2016
Project Manager: Mark Andersen

Work Order: 1611276
Received: 09/14/16 15:45
Reported: 09/28/16

2052 Dawn St (A Zone: 1)

1611276-07 (Water)

Sample Date: 09/14/16 0:00 **Sampler:** DM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/14/16	09/14/16	1638430	
Cl Res Total (Field)	Field	1.9		N/A	mg/L	09/14/16	09/14/16	1638430	
pH (Field)	Field	7.49		N/A	pH Units	09/14/16	09/14/16	1638431	
Temperature (Field)	Field	24.8		N/A	°C	09/14/16	09/14/16	1638430	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
E. Coli	SM 9223	A		N/A	P/A	09/14/16	09/15/16	1638373	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/14/16	09/16/16	1638474	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/27/16	09/27/16	1640101	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/15/16	09/15/16	1638259	

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

ND Analyte NOT DETECTED at or above the reporting limit

~~(C)~~

Clinical Laboratory of San Bernardino, Inc.



21 September 2016

Clinical Lab No.: 16I0519

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

Project Name: Standard Analysis
Sub Project: Distribution Weekly - 1st Week Sept 2016

Enclosed are the results of the analyses for samples received at the laboratory on 09/07/16 . 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: Distribution Weekly - 1st Week Sept 2016
Project Manager: Mark Andersen

Work Order: 1610519
Received: 09/07/16 16:30
Reported: 09/21/16

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

1610519-01 (Water)

Sample Date: 09/07/16 10:30 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.04		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	1.8		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	8.17		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	26.9		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/07/16	09/07/16	1637432	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/07/16	09/07/16	1637432	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/07/16	09/07/16	1637432	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

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

1610519-02 (Water)

Sample Date: 09/07/16 10:15 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.06		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	2.4		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	8.08		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	26.8		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Distribution Weekly - 1st Week Sept 2016
Project Manager: Mark Andersen

Work Order: 1610519
Received: 09/07/16 16:30
Reported: 09/21/16

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

1610519-03 (Water)

Sample Date: 09/07/16 8:10 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.06		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	1.6		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	8.16		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	24.7		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	HT-08

General Physical Analyses

Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/07/16	09/07/16	1637432	
Odor Threshold	EPA 140.1M	1	1	3	TON	09/07/16	09/07/16	1637432	
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/07/16	09/07/16	1637432	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

24632 S Moon Ave (S13-004 Zone 1)

1610519-04 (Water)

Sample Date: 09/07/16 10:45 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.06		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	1.7		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	8.15		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	27		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Distribution Weekly - 1st Week Sept 2016
Project Manager: Mark Andersen

Work Order: 1610519
Received: 09/07/16 16:30
Reported: 09/21/16

2500 Pacific Coast Highway (S13-005 Zone 2)

1610519-05 (Water)

Sample Date: 09/07/16 8:25 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	1.8		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	8.13		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	25.6		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

25417 Pennsylvania Ave (S13-008 Zone 1)

1610519-06 (Water)

Sample Date: 09/07/16 8:45 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.06		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	1.6		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	7.82		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	26.3		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Distribution Weekly - 1st Week Sept 2016
Project Manager: Mark Andersen

Work Order: 1610519
Received: 09/07/16 16:30
Reported: 09/21/16

2052 Dawn St (A Zone: 1)

1610519-07 (Water)

Sample Date: 09/07/16 7:45 **Sampler:** DGM

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

Cl Res Free (Field)	Field	0.07		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Total (Field)	Field	1.8		N/A	mg/L	09/07/16	09/07/16	1637325	
pH (Field)	Field	7.73		N/A	pH Units	09/07/16	09/07/16	1637325	
Temperature (Field)	Field	26.1		N/A	°C	09/07/16	09/07/16	1637325	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	A		N/A	P/A	09/07/16	09/08/16	1637285	
Plate Count	SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	HT-08

General Chemical Analyses

Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
Ammonia, Free (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639040	
Nitrate as N (NO3-N)	EPA 300.0	ND	0.40	10	mg/L	09/12/16	09/12/16	1638024	HT-01

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

HT-01 Analysis performed outside of recommended hold time.

ND Analyte NOT DETECTED at or above the reporting limit

16150TH

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		Distribution Weekly - 1st Week September 2016		YES								
Comments				ELAP #								
Sampled by		DM		1088								
Date	Time	Sample Identification		Matrix	Preserv	Type	Bottle #	Temp C	Free Chlorine	Total Chlorine		
9/7/2016	1030	1912 W. 259th St. (S13-001 Zone: 2)		DW	1,7	1D	1	26.9	0.04	1.8	X	8.17
9/7/2016	1015	26314 Monte Vista (S13-002 Zone: 3)		DW	1,7	1D	2	26.8	0.06	2.4	X	8.08
9/7/2016	0810	1948 W. 252nd St. (S13-003 Zone: 1)		DW	1,7	1D	3	24.7	0.06	1.6	X	8.16
9/7/2016	1045	24632 S. Moon Ave. (S13-004 Zone: 1)		DW	1,7	1D	4	27	0.06	1.7	X	8.15
9/7/2016	0825	2500 PCH (S13-005 Zone: 2)		DW	1,7	1D	5	25.6	0.03	1.8	X	8.13
		Reservoir SP5		DW	1,7	1D						OFF SCADA UPGRADE
9/7/2016	0845	25417 Pennsylvania Ave (S13-008 Zone: 1)		DW	1,7	1D	7	26.3	0.06	1.6	X	7.82
9/7/2016	0745	2052 Dawn St (A Zone: 1)		DW	1,7	1D	8	26.1	0.07	1.8	X	7.73
Preservatives: (1) Na-S ₂ O ₃ (2) HCl (3) HNO ₃ (4) NH ₄ Cl (5) H ₂ SO ₄ (6) Na ₂ 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								
Relinquished By (Sign)		Print Name / Company		Date / Time		Received By (Sign)						
DAMEA M. EIK		City of Lomita		9/7/2016		J. W. C. / C. S. B.		J. W. C. / C. S. B.				
				9-7-16 / 4:30				A. C. S. B.				
Comments: "Nitrite Low Level EPA 353.2"				Samples received: () On ice (X) Intact () Custody seals Temp 9.7 () F (X) C								

APPENDIX B

METHANE MONITORING LOG



CITY OF LOMITA
PUBLIC WORKS DEPARTMENT

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

SEPTEMBER 2016				
DATE	DAY	METHANE HANDHELD		COMMENTS
9/1/2016	M			CWPF OFFLINE
9/2/2016	T			CWPF OFFLINE
9/3/2016	W			CWPF OFFLINE
9/4/2016	TH			CWPF OFFLINE
9/5/2016	F			CWPF OFFLINE
9/6/2016	SA			CWPF OFFLINE
9/7/2016	SU			CWPF OFFLINE
9/8/2016	M			CWPF OFFLINE
9/9/2016	T			CWPF OFFLINE
9/10/2016	W			CWPF OFFLINE
9/11/2016	TH			CWPF OFFLINE
9/12/2016	F			CWPF OFFLINE
9/13/2016	SA			CWPF OFFLINE
9/14/2016	SU			CWPF OFFLINE
9/15/2016	M			CWPF OFFLINE
9/16/2016	T			CWPF OFFLINE
9/17/2016	W			CWPF OFFLINE
9/18/2016	TH			CWPF OFFLINE
9/19/2016	F			CWPF OFFLINE
9/20/2016	SA			CWPF OFFLINE
9/21/2016	SU			CWPF OFFLINE
9/22/2016	M			CWPF OFFLINE
9/23/2016	T			CWPF OFFLINE
9/24/2016	W			CWPF OFFLINE
9/25/2016	TH			CWPF OFFLINE
9/26/2016	F			CWPF OFFLINE
9/27/2016	SA			CWPF OFFLINE
9/28/2016	SU			CWPF OFFLINE
9/29/2016	M			CWPF OFFLINE
9/30/2016	TU			CWPF OFFLINE

ND- Non Detect
CH₄- Methane
Oxy- Oxygen
Day Off/Holiday- Red

APPENDIX C

NITRIFICATION MONITORING DATA SUMMARY

1MONTHLY NITRIFICATION MONITORING SUMMARY REPORT

CITY OF LOMITA, System No. 1910073 --- Month, Year: September 2016

#	C o d e	Sample I.D	Location	Sample Date (and Time)	Temp	pH	Total Chlorine	Free Chlorine	Total Ammonia	Free Ammonia	Nitrite	Nitrate	Coliform ²	HPC	Z o n e	Comments
		Units/Others →														
				MWD/YYYY Xx-xx and/pm	°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	P/A	CFU/ml		
1	D	S13-003	1948 W. 252 nd St	9/7/2016	24.7	8.16	1.60	0.06	ND	ND	0.005	ND	A	ND	1	MWD Only
2	D	S13-004	24632 S Moon Av	9/7/2016	27.0	8.15	1.70	0.06	ND	ND	0.003	ND	A	ND	1	MWD Only
3	D	S13-008	25417 Pennsylvania Av	9/7/2016	26.3	7.82	1.60	0.06	ND	ND	0.006	ND	A	ND	1	MWD Only
4	D	A	2052 Dawn St	9/7/2016	26.1	7.73	1.80	0.07	ND	ND	0.006	ND	A	ND	1	MWD Only
5	D		Reservoir						CWPF OFFLINE							-
6	D	S13-001	1912 W. 259 th Pl	9/7/2016	26.9	8.17	1.80	0.04	ND	ND	0.004	ND	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vta.	9/7/2016	26.8	8.08	2.4	0.06	ND	ND	0.003	ND	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	9/7/2016	25.6	8.13	1.80	0.03	ND	ND	0.004	ND	A	ND	2	MWD Only
1	D	S13-003	1948 W. 252 nd St	9/14/2016	25.7	8.27	1.80	0.07	ND	ND	0.012	ND	A	ND	1	MWD Only
2	D	S13-004	24632 S Moon Av	9/14/2016	23.6	7.59	2.11	0.03	ND	ND	0.006	ND	A	ND	1	MWD Only
3	D	S13-008	25417 Pennsylvania Av	9/14/2016	24.4	7.91	1.50	0.06	ND	ND	0.007	ND	A	ND	1	MWD Only
4	D	A	2052 Dawn St	9/14/2016	24.8	7.49	1.90	0.03	ND	ND	0.007	ND	A	ND	1	MWD Only
5	D		Reservoir						CWPF OFFLINE							-
6	D	S13-001	1912 W. 259 th Pl	9/14/2016	24.6	8.21	2.00	0.02	ND	ND	0.009	ND	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vta.	9/14/2016	24.6	8.21	2.10	0.03	ND	ND	0.009	ND	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	9/14/2016	24.2	8.12	1.70	0.03	ND	ND	0.005	ND	A	ND	2	MWD Only
1	D	S13-003	1948 W. 252 nd St	9/21/2016	25.2	7.59	1.60	0.04	0.38	0.11	0.007	ND	A	ND	1	MWD Only
2	D	S13-004	24632 S Moon Av	9/21/2016	24.3	7.49	1.60	0.03	0.39	0.05	0.007	ND	A	ND	1	MWD Only
3	D	S13-008	25417 Pennsylvania Av	9/21/2016	26.5	7.61	1.98	0.03	0.39	0.17	0.008	ND	A	ND	1	MWD Only
4	D	A	2052 Dawn St	9/21/2016	24.6	7.65	1.90	0.08	0.34	0.19	0.005	ND	A	ND	1	MWD Only
5	D		Reservoir						CWPF OFFLINE							-
6	D	S13-001	1912 W. 259 th Pl	9/21/2016	25.8	8.19	2.00	0.03	0.34	0.23	0.005	ND	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vta.	9/21/2016	25.1	8.09	1.90	0.03	0.30	0.18	0.007	ND	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	9/21/2016	26.4	8.00	2.10	0.02	0.38	0.10	0.011	ND	A	ND	2	MWD Only
1	D	S13-003	1948 W. 252 nd St	9/30/2016	24.2	8.41	2.15	0.02	0.38	0.18	0.006	0.48	A	ND	1	MWD Only
2	D	S13-004	24632 S Moon Av	9/30/2016	23.8	8.32	2.06	0.00	0.38	0.03	0.005	ND	A	ND	1	MWD Only
3	D	S13-008	25417 Pennsylvania Av	9/30/2016	24.3	8.27	1.71	0.00	0.29	0.15	0.006	0.41	A	ND	1	MWD Only
4	D	A	2052 Dawn St	9/30/2016	22.3	8.45	2.10	0.06	0.39	0.20	0.007	ND	A	ND	1	MWD Only
5	D		Reservoir						CWPF OFFLINE							-
6	D	S13-001	1912 W. 259 th Pl	9/30/2016	27.1	8.04	1.99	0.10	0.39	0.18	0.004	0.46	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vta.	9/30/2016	24.2	7.92	2.13	0.00	0.39	0.22	0.006	0.46	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	9/30/2016	24.2	7.37	1.69	0.05	0.31	0.10	0.011	ND	A	ND	2	MWD Only

¹Notes: Report Due to DDW by the 10th of the following month. This Report can be used for the routine weekly monitoring (one Report per month) as well as for daily monitoring when there is actual and potential for nitrification (about four or five Reports per month, in this case).

²Coliform results are part of weekly Bacti sampling results.