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



ADMINISTRATION

RYAN SMOOT
CITY MANAGER

CITY OF LOMITA

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, 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.

	SP1, Well Raw Water Discharge							Pres	Comb sure F	ilter	SP3, After chloramination static mixer; reservoir entry							
Date, week of	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								OFFL	INE	500		300		50		15		
9/14/2016		yl,									N.	300	N.	50	N.	15		
9/21/2016									= -		OFFLINE	300	OFFLINE	50	OFFLINE	15		
9/28/2016	350	300	150	50	10	15	Α				J	300	3	50	3	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.

	SP2		SP3			SP4		SP5				
Date, week of	Free CI	Free CI	Total CI	Total NH₃	Free CI	Total CI	Total NH ₃	Free CI	Total Cl	Total NH ₃		
9/7/2016						-				A		
9/14/2016	OFFI INF		0551 INS									
9/21/2016	OFFLINE		OFFLINE			OFFLINE			OFFLINE			
9/28/2016												

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

		TDS	S, mg/L	4	T.C	D.N.		Hardı	ness, mç	g/L	Methane (Water), mg/L		
Date, week of	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				500-750		3							
9/14/2016			N.	500-750	N N	3				et a		N N	
9/21/2016	Jiry.		OFFLINE	500-750	OFFLINE	3						OFFLINE	
9/28/2016	720	510	0	500-750	0	3	300	190	OFF LINE	180-250	4.0	0	

Notes:

Monthly- <u>Orange</u>; Weekly- <u>Yellow</u> 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 CWPF Monitoring Report – SEPTEMBER 2016 Cypress Water Production Facility City of Lomita; System No. 1910073

SP1 Also called Well 5 Raw Water or Site#1. TDS, ppm Monthly See SP5 97/16 97/16 15 15 15 16 16 16 16	Sample Locations	Frequency	MCL/	9/7	9/14	9/21	9/28	<u> </u>	Comments
SP1 Also called Well 5 Raw Water or Site#1. TDS, ppm Monthiy See SP5 720 Hardness Monthiy See SP5 300 CH4, ppm Monthiy See SP5 300 Hardness Monthiy See SP5 300 CH4, ppm Monthiy See SP3 350 Monthiy See SP5 300 Monthiy See								5 th \//k	
Continuous Con				TOUVIC] 2 VVK	SIGVVK	+ ***	J VVK	
Cate Commons				or Mo.					Other inio.
SP1 Also called Well 5 Raw Water or Site#1. TDS, ppm				Result					
TDS, ppm Monthly See SP5 720 97/16 170				(date)					
Monthly See SP5 300 CH4, ppm Monthly See SP5 300 CH4, ppm Monthly See SP5 4.0 Ch4, ppm Monthly See SP3 350 Ch4, ppm Monthly See SP3 150 Ch2, ppm Monthly See SP3 150 Ch2, ppm Monthly See SP3 150 Ch2, ppm Monthly See SP3 100 Ppm Monthly See SP3 100 Ppm Monthly A	SP1 Also called	Well 5 Rav	Water o	or Site#1.					
Hardness Monthly See SP5 300 97/16 1	TDS, ppm	Monthly	See SP5		Operations	Data/Inform	nation:		*Chlorine injected after
CH4, ppm			0 005		CW/PE oper	ation days			
OF SEPTEMBER 201 OF SEPTEMBE				9/7/16			flow - apm	total	* CWPF OFFLINE
Iron, ppb Monthly See SP3 97/16	CH4, ppm	Monthly	See SP5		prod Al	= *			OF SEPTEMBER 201
Color, units Monthly See SP3 10 97716 A A 97716 Total Coliform, P or A Monthly A A A 97716 Total Coliform, P or A Monthly A	Iron, ppb	Monthly	See SP3		blend Ratio -	%:%; _	_total prod	_AF	
Color, units Monthly See SP3 10 A	Manganese, ppb	Monthly	See SP3		Chlorine Do	sage: N/A*			
Total Coliform, P or A Monthly A A A A A A A A A	Color, units	Monthly	See SP3	10					
SP2 Also called Filter Effluent or Site#3.	Total Coliform, P or A	Monthly	Α	Α					
Total Coliform, P or A Monthly A - Ammonia Dosage: N/A* filter effluent Free CI Res, ppm Continuous Average: Range: — SP3 Also called the Site After Chloramination & Before MWD Blending or Site#4. Iron, ppb Weekly 300	SP2 Also called	Filter Efflu	ent or Si	THE RESERVE AND ADDRESS OF THE RESERVE AND ADDRE					
Ammonia Dosage: N/A* filter effluent	Total Coliform, P or A	A STATE OF THE PARTY OF THE PAR	NETS BY AND VANCOUS DESIGNATION	-	ALMERICA STATE STATE				*Ammonia added after
Free CI Res, ppm	HPC,MPN/100 ml			_	Ammonia D	osage: N/A*			filter effluent
SP3 Also called the Site After Chloramination & Before MWD Blending or Site#4. Iron, ppb		Continuous	Average:	; Range	:				
Iron, ppb		the Site Af	ter Chlor	aminatio	n & Before	MWD BI	ending or	Site#4.	
Manganese, ppb Weekly 50 - - - - - - -	THE ROBERT OF THE RESIDENCE OF THE PERSON OF	THE RESIDENCE OF THE PROPERTY OF THE PARTY O	CA SE SO OF WASCUSTANCES IN		_	-	_		
Color				-	_	-	1=	-	1
Total Cl: Average:; Range: Ammonia: Average:; Range: Phosphate Injection	Color		0.8555-6	-	_	-	-	-	1
Ammonia: Average: ; Range: — SP4 Also called Reservoir Influent or the Site Well 5/MWD Water Blend Point/Phosphate Injection. Phosphate Injection	Free and Total CI Res,		Free Cl: A	Average:;	Range:		•		1
Phosphate Injection	ppm		Total CI: A	Average:	; Range:	_			
Phosphate Injection Free and Total CI Res, ppm Continuous Free CI: Average: _; Range:									
Free and Total CI Res, ppm Free CI: Average: _; Range:	TO DESCRIPTION OF THE PROPERTY	Reservoir	C. 22 0 TO THE \$10 IS 1 THE BOX (MINERS - 15.5)	SACTOR OF THE PROPERTY OF THE	THE REPORT OF THE PROPERTY OF	WD Water	Blend Po	int/Phosp	hate Injection.
Total Cl: Average:; Range:									OVALUE D. II
Ammonia: Average: ; Range: -		Continuous	Free Cl: A	Average:;	Range:	_			CI/NH3 Ratio:
SP5 Also called Reservoir Effluent or Site#5. SP5 discharges into Zone 1 of the distribution system	ppm		Ammonia	Average:	; Range:				_
TDS, ppm	SP5 Also called	Reservoir				harges in	to Zone 1	of the dis	tribution system
Hardness Monthly Si Goal: CH4, ppm Weekly Goal: from PA			SI Goal:	or orconor		nargee m		or the ale	
CH4, ppm Weekly Monthly Monthly Monthly Monthly Free and Total Cl Res, ppm Continuous Free Cl: Average: _; Range:	тьо, ррпі			-	-		-		
Odor, units Monthly Free and Total Cl Res, ppm Continuous Free Cl: Average: _; Range:	Hardness	Monthly		-	-	_	-		
Odor, units Monthly Free and Total CI Res, ppm Continuous Free CI: Average: _; Range:	CH4, ppm	Weekly	Goal: from	-	-	-	-		% CH4 Removal:
Free and Total CI Res, ppm	Odor, units	Monthly		-	-	-	-		
Ammonia: Average: ; Range: — Headspace of the Cypress Reservoir. CH4 ppmv; using	Free and Total CI Res,	Continuous				_			CI/NH3 Ratio:
Headspace of the Cypress Reservoir. CH4 ppmv; using	ppm								
CH4 ppmv; using Portable Device (from log) LEL CH4 Average:% CH4 Range:%% SP 6 MWD Source Feeding CWPF. Also called Zone 2 of the distribution system or Site #6. TDS, ppm Monthly 510			Name and Address of the Owner, where the Owner, where	Average:	_; Range: _			STATES OF STATES	
Portable Device (from log) LEL CH4 Range:%% SP 6 MWD Source Feeding CWPF. Also called Zone 2 of the distribution system or Site #6. TDS, ppm				0114.4	^/				
SP 6 MWD Source Feeding CWPF. Also called Zone 2 of the distribution system or Site #6. TDS, ppm					age:%	0/			
TDS, ppm Monthly 510 Hardness Monthly 190 Notes: 'Self-Imposed (SI) Goals: TDS Goal-500-750 ppm; Hardness as CaCO3 Goal-180-250 ppm.	THE RESIDENCE OF THE PARTY OF THE PARTY OF THE PARTY.		-					a to salamania	0:4 - #0
Hardness Monthly 190 Notes: 'Self-Imposed (SI) Goals: TDS Goal-500-750 ppm; Hardness as CaCO3 Goal-180-250 ppm.					a Zone 2 d	or the dist	ribution s	ystem or	SITE #6.
Notes: 'Self-Imposed (SI) Goals: TDS Goal-500-750 ppm; Hardness as CaCO3 Goal-180-250 ppm.									ļ
Notes: ¹Self-Imposed (SI) Goals: TDS Goal-500-750 ppm; Hardness as CaCO3 Goal-180-250 ppm.	Hardness	Monthly		190					
The state of the s	Notes: 1Self-Imposed (SI) G	oals: TDS Goa	I-500-750 pp	m; Hardness	as CaCO3 Goa	al-180-250 ppr	n.		

APPENDIX A

LABORATORY RESULTS



06 October 2016 Clinical Lab No.: 16l2324

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,

Stu Styles

Client Services Manager

tistes



10/06/16

Reported:

Lomita, City ofProject:Standard AnalysisWork Order:161232424373 Walnut AvenueSub Project:CWPF 4th Week SEPT SamplingReceived:09/28/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen

RAW WATER SP 1 16I2324-01 (Water) 09/28/16 10:10 **DGM Sample Date:** Sampler: Analyte Method Result MCL Units Prepared Analyzed Batch Qualifier Rep. Limit Field Analyses 1640312 Field 8.24 09/28/16 09/28/16 pH (Field) N/A pH Units Temperature (Field) Field 24.2 N/A °C 09/28/16 09/28/16 1640312 Microbiology Analyses Total Coliform SM 9223 09/28/16 09/29/16 1640338 Α N/A P/A SM 9223 09/29/16 1640338 E. Coli Α 09/28/16 N/A P/A SM9215B 09/30/16 1640375 **Plate Count** 36 CFU/ml 09/28/16 1 500 **General Physical Analyses** SM 2120B 09/28/16 09/28/16 1640342 **Apparent Color** 10.0 15 Color Units **General Chemical Analyses** Hardness, Total (as CaCO3) Calculated 300 10/04/16 10/04/16 [CALC] 6.6 N/A mg/LTotal Filterable Residue/TDS SM 2540C 720 09/30/16 10/03/16 1640376 5.0 1000 mg/L Metals EPA 200.7 78 10/04/16 10/04/16 1641052 Calcium (Ca) 1.0 N/A mg/L EPA 200.7 350 10/04/16 10/04/16 1641059 Iron (Fe) 100 300 ug/L EPA 200.7 10/04/16 10/04/16 1641052 Magnesium (Mg) 26 1.0 N/A mg/L EPA 200.7 150 10/04/16 10/04/16 1641059 Manganese (Mn) 20 50 ug/L 16I2324-02 (Water) 09/28/16 10:30 DGM **Reservoir Effluent Site #6 Sample Date:** Sampler: Analyte Method Result Prepared Analyzed Batch Qualifier Rep. Limit MCL Units Field Analyses 09/28/16 Cl Res Total (Field) Field 2.1 N/A 09/28/16 1640312 mg/L Field 09/28/16 09/28/16 1640371 7.56 pH (Field) N/A pH Units Temperature (Field) Field 24.5 09/28/16 09/28/16 1640371 N/A °C **General Chemical Analyses** Hardness, Total (as CaCO3) Calculated 190 6.6 N/A mg/L 10/04/16 10/04/16 [CALC] Total Filterable Residue/TDS SM 2540C 510 09/30/16 10/03/16 1640376 5.0 1000 mg/L Metals EPA 200.7 Calcium (Ca) 46 10/04/16 10/04/16 1641052 1.0 N/A mg/L

10/04/16

10/04/16

1641052

EPA 200.7

Analyte NOT DETECTED at or above the reporting limit

Magnesium (Mg)

19

1.0

N/A

mg/L



Certificate of Analysis

FINAL REPORT

Work Orders: 6l30019

Report Date: 10/06/2016

Received Date:

9/30/2016

Turnaround Time:

5 workdays

Phones:

(909) 825-7693 (909) 825-7696

Fax:

P.O. #:

Project: 1612324

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

ANAM	<u> </u>							
Sample:	Reservoir Influent Site #1/ 16I2324-01					Sa	ampled: 09/28/16 10	0:10 by Client
	6l30019-01 (Water)							
Analyte			Result	MRL	Units	Dil	Analyzed	Qualifier
Method: RSk	K-175	Batch ID: W6J0151	Instr: GC09		Prepa	red: 10/04/	16 10:47	Analyst: rhr
Methane			4.0	0.20	mg/l	20	10/04/16 15:32	

6130019 Page 1 of 3



Certificate of Analysis

FINAL REPORT

Quality Control Results

Dissolved Gases in Water by RSK-175										
				Spike	Source		%REC		RPD	
Analyte	Result	MRL	Units	Level	Result	%REC	Limits	RPD	Limit	Qualifier
Batch: W6J0151 - Headspace										
Blank (W6J0151-BLK1)				Prepared & A	nalyzed: 10/04	1/16				
Methane	ND ND	0.010	mg/l							
LCS (W6J0151-BS1)				Prepared & A	nalyzed: 10/04	1/16				
Methane	0.210	0.010	mg/l	0.198		106	85-115			
Duplicate (W6J0151-DUP1)	Source: 612702	9-01		Prepared & A	nalyzed: 10/04	1/16				
Methane	0.299	0.010	mg/l		0.266			12	20	

6l30019 Page 2 of 3



Certificate of Analysis

FINAL REPORT



Notes and Definitions

iteiii	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

GI30019

SENDING LABORATORY:	REC	CEIVING LABORATORY:
Clinical Laboratory of San Bernar 21881 Barton Road Grand Terrace, CA 92313 Phone: 909.825.7693 Fax: 909.825.7696 Project Manager: Stu Styles	Ana Indu Phor	k Lab, Analytical & Environmental lytical & Environmental Svc 14859 E Clark Ave istry, CA 91745 ne: (626) 336-2139 (626) 336-2634
Turn Around Time [] 10 Da Subcontract Comments:	ays [v] 3 Days [] Outer _ Day	/S
	iys [v] 3 Days [] Outer _ Day	Comments
Subcontract Comments:		
Subcontract Comments: Analysis	#1 / 1612324-01 Sampled: 09	Comments 9/28/16 10:10 PS Code: 1910073-003
Subcontract Comments: Analysis Sample ID: Reservoir Influent Site	#1 / 1612324-01 Sampled: 09	Comments 0/28/16 10:10 PS Code: 1910073-003 WTX ID:

Released by Date / Time Received By Date / Time / T

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Client		City of Lomita	Sy	stem N	umber		Ana	alysi	s Re	que	stec					
Address		24373 Walnut Avenue	1	191	0073											
		Lomita, CA 91717	others, early			of the same of				'	ĭ	ō				
hone #		(310) 325-9830		Destinatio	n Laborat	ory	4				tha	🖺	_			
ax#		(310) 325-3627		[X] Clinic	al Laborate	огу]		e <u>s</u>		ne (Har	l ₹			
Project		Standard Analysis		RWQCB	Compliand	e .	╛╘	Xan	Diss	၂ က	[¥a	g	=	0		
Sub Projec			No ELAP#				Iron	Manganese	Total Dissolved Solids	Color	Methane (Water) (RSK175)	Total Hardness (as CaCO3)	васт/тс/нрс	Odor		
Comments			4000										C			
Sampled b	ov.	DGM	1	1	088						175	C03				
Date	Time	Sample Idenitification	Matrix	Type	Preserv	Total Chlorine									Comments / P.S. Codes	
9/28/2016	1010	Reservoir Influent Site #1	DW	1W	HCL	NIA	X	X	X	X	X	X	X		PH 8.24T=24.2	
9/28/2016	1030	Reservoir Effluent Site #6	DW	1W	N/A	2,1			X			X			PH 7,56 T=24,5	
		S ₂ O ₃ (2) HCl (3) HNO3 (4) NH4Cl a2SO3 (7) Cold (8) Other:		Matrix		king Water, 1-Routine,									Ground Water, A-Air all D- Dist.	
		By (Sign) Print Name / Company			Date /	Time			B	geive	ed By	v (Sig	en)		Print Name / Coppany	
Daniel Matei	R	City of Lomita JUGO USB	*1. (Sk-PEPE 1888)	9/28/20 9-28	16 /12	:30			X		X	w	_		J. Lucas /USB	
Comment	ts:	W J J, MURIN COSB		1.00		Samples	rece			70n 10						
Shipped Via		[] Fed X [] Golden State	[] UPS	[] Cl	iant f	Other				_					age _1_ of _1_	



06 October 2016 Clinical Lab No.: 16l2299

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,

Stu Styles

Client Services Manager

tistes



10/06/16

Lomita, City ofProject:Standard AnalysisWork Order:161229924373 Walnut AvenueSub Project:Distribution Weekly - 4th Week September 2016Received:09/28/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen Reported:

1912 W. 259th St (S13-001 Zone: 2) 1612299-01 (Water) S	Sample Date:	09/28/16 8:25	Sampler:	CB
---	--------------	---------------	----------	----

1912 W. 259th St (S13-001 Zone: 2)		1612299-0	1 (Water)		Sample Da	ite: 09/28/16	8:25 Sa	mpler: Cl	3
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
26314 Monte Vista Ave. (S13-002 Zone: 3)		1612299-0	2 (Water)		Sample Da	ote: 09/28/16	8:10 Sa	mpler: CI	3
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
` /	E: 11	7.02		N/A	pH Units	09/28/16	09/28/16	1640282	
pH (Field)	Field	7.92		IN/A	pri Omis	07/20/10		10.0202	
pH (Field) Temperature (Field)	Field	24.2		N/A	°C	09/28/16	09/28/16	1640282	
Temperature (Field)					•				
Temperature (Field)					•				
Temperature (Field) <u>Microbiology Analyses</u>	Field	24.2		N/A	°C	09/28/16	09/28/16	1640282	
Temperature (Field) Microbiology Analyses Total Coliform	Field SM 9223	24.2 A	1	N/A	°C	09/28/16 09/28/16	09/28/16 09/29/16	1640282 1640338	HT-08
Temperature (Field) Microbiology Analyses Total Coliform E. Coli	Field SM 9223 SM 9223	24.2 A A	1	N/A N/A N/A	°C P/A P/A	09/28/16 09/28/16 09/28/16	09/28/16 09/29/16 09/29/16	1640282 1640338 1640338	HT-08



Lomita, City ofProject:Standard AnalysisWork Order:161229924373 Walnut AvenueSub Project:Distribution Weekly - 4th Week September 2016Received:09/28/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen Reported: 10/06/16

1948 W. 252nd St (S13-003 Zone 1)		1612299-0	3 (Water)		Sample Da	te: 09/28/16	7:10 S	ampler: CB	· · · · · · · · · · · · · · · · · · ·
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
24632 S. Moon Ave (S13-004 Zone 1)		1612299-0	4 (Water)		Sample Da	te: 09/28/16	7:25 S	sampler: CB	1
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
**	EPA 140.1M	1	1	3	TON	09/28/16	09/28/16	1640342	
Odor Threshold									
Turbidity	EPA 180.1	ND	0.1	5	NTU	09/28/16	09/28/16	1640342	

0.40

10

mg/L

09/29/16

09/29/16

1640259

EPA 300.0

ND

Nitrate as N (NO3-N)



Lomita, City ofProject:Standard AnalysisWork Order:161229924373 Walnut AvenueSub Project:Distribution Weekly - 4th Week September 2016Received:09/28/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen

Reported: 10/06/16

2500 PCH (S13-005 Zone 2)		1612299-0	5 (Water)		Sample Da	ote: 09/28/16	7:55 Sa	mpler: Cl	В
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
25417 Pennsylvania Ave (S13-008 Zone 1))	1612299-0	6 (Water)		Sample Da	ote: 09/28/16	7:40 Sa	mpler: Cl	В
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
riciu Alialyses									
	Field	0		N/A	mg/L	09/28/16	09/28/16	1640282	
Cl Res Free (Field)	Field Field	0 1.71		N/A N/A	mg/L mg/L	09/28/16 09/28/16	09/28/16 09/28/16	1640282 1640282	
Cl Res Free (Field) Cl Res Total (Field)				N/A	mg/L				
Cl Res Free (Field)	Field	1.71			=	09/28/16	09/28/16	1640282	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field)	Field Field	1.71 8.27		N/A N/A	mg/L pH Units	09/28/16 09/28/16	09/28/16 09/28/16	1640282 1640282	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field)	Field Field	1.71 8.27		N/A N/A	mg/L pH Units	09/28/16 09/28/16	09/28/16 09/28/16	1640282 1640282	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses	Field Field Field	1.71 8.27 24.3		N/A N/A N/A	mg/L pH Units °C	09/28/16 09/28/16 09/28/16	09/28/16 09/28/16 09/28/16	1640282 1640282 1640282	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform	Field Field Field SM 9223	1.71 8.27 24.3	1	N/A N/A N/A	mg/L pH Units °C	09/28/16 09/28/16 09/28/16	09/28/16 09/28/16 09/28/16	1640282 1640282 1640282	НТ-08
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform E. Coli	Field Field Field SM 9223 SM 9223	1.71 8.27 24.3 A	1	N/A N/A N/A N/A	mg/L pH Units °C P/A P/A	09/28/16 09/28/16 09/28/16 09/28/16 09/28/16	09/28/16 09/28/16 09/28/16 09/29/16 09/29/16	1640282 1640282 1640282 1640338 1640338	НТ-08



Lomita, City of Work Order: Project: Standard Analysis 16I2299 Sub Project: Distribution Weekly - 4th Week September 2016 Received: 09/28/16 16:00 24373 Walnut Avenue Lomita CA, 91717 Reported: 10/06/16 Project Manager: Mark Andersen

2052 Dawn St (A Zone 1)		1612299-0	7 (Water)		Sample Da	ote: 09/28/10	6 6:55 Sa	impler: Cl	3
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	

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

									# # ## ##				7/2	· ·	
Ö	linica	Clinical Laboratory of San Bernardino, Inc	o, Inc		Ä,								Chain	Chain of Custody	
						~				_		(_	191	6622191
Client		City of Lomita	Š	System Number	umber					Ana	lysis	Analysis Requested	sted		
Address		24373 Walnut Avenue				1910073	73								
		Lomita, CA 91717			1	7100	51			T					
Phone #		(310) 325-9830			Destin	Destination Laboratory	boratory								
Fax#		(310) 325-3627			[X] C	[X] Clinical Laboratory	boratory				Ge				
Project		Standard Analysis			RWC	RWQCB Compliance	Лапсе								
Sub Project		Distribution Wookly - 4th Wook Sentember 2016				YES				orm	itrat al Pl	HPC	PH		
						ELAP#	#								
Comments						1000					cal		pl .		
Sampled by		CB				1088				P/A					
Date	Time	Sample Idenitification	Matrix	Preserv	Гуре	Bottle#	ТепрС	Free	Total Chlorine						
9/28/2016	8:254.4	1912 W. 259th St. (S13-001 Zone: 2)	DW	1,7	10	1	1.47	010	1.99	×	×	×	20.0		
9/28/2016 8.704.m	8:104.4	26314 Monte Vista (S13-002 Zone:3)	DW	1,7	110	2	24.2	0	2.13	×	×	×	26.£		
9/28/2016 7:10 p.m	7:10 A.m	m 1948 W. 252nd St. (S13-003 Zone: 1)	DW	1,7	110	3	24.2	200	2.15	-	X	×	8.41		
9/28/2016 7:25AM	7:25 A.M	4 24632 S. Moon Ave. (S13-004 Zone: 1)	DW	1,7	110	4	23.8	0	2.06	_	-	×	3.32		
9/28/2016 7:55 # m	7.5.5 #1	2500 PCH (S-13-005 Zone: 2)	DW	1,7	110	S	24.5	20.	697	×	×	X	£5.		
		Reservoir SP5	MQ	1,7	110									OFF SCADA UPGRADE	GRADE
9/28/2016		25417 Pennsylvania Ave (S13-008 Zone: 1)	DW	1,7	110	7	24.3	0	141	×	×	×	42.8		
9/28/2016	6:55A.M	A 2052 Dawn St (A Zone: 1)	DW	1,7	110	œ	22.3	300	2.10	×	×	-	8.45		
	0									\parallel	+				
		٠													
Preservatives: ((1) Na ₂ S ₂ O ₃ 14 (6) Na ₂ \$	Preservatives: (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI (5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:		Mati	rix: DW-D	rinking V	Vater, WW Type- 1	er, WW-Waste Water, SW-Storm Water, GW- Grour Type- 1-Routine, 2-Reneat, 3-Replacement, 4-Snecial	'ater, SW- 2-Repeat.	Storm 3-Renls	Water,	GW- C	Fround Wat	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)	hed By ((Sign), Print Name / Company			'a	Date / Time			1		eceiv	eceived By (Sign.	(Sign)	c	
Carlos Bobadilla	Ha Col	Block City of Lomita	6	9/28/2016	9.	17:20	_		Y	0		3	1.	V INCORD V	100
X	₹ Q	1- J.Weell (15)	3	9-20-1	19	4:0			5		1			AM CLS	
		Comments:"Nitrite Low Level EPA 353.2"			Sample	Samples received: (·ed: 📏	On ice) Intact		Cust	Custody seals Temp_	Temp (0.5	()F (
Shipped Via		Fed X Golden State UPS	[] Client	_	Other					A _B	Page_1	1_fo			
													-		



26 September 2016 Clinical Lab No.: 16l1834

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,

Stu Styles

Client Services Manager

tistes



09/26/16

Lomita, City ofProject:Standard AnalysisWork Order:161183424373 Walnut AvenueSub Project:Distribution Weekly - 3rd Week September 2016Received:09/21/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen Reported:

16I1834-01 (Water) 09/21/16 8:45 DM 1912 W. 259th St (S13-001 Zone: 2) **Sample Date:** Sampler: Analyte Method Result MCL Units Prepared Analyzed Batch Qualifier Rep. Limit Field Analyses 09/21/16 09/21/16 1639360 Field 0.03 Cl Res Free (Field) N/A mg/LCl Res Total (Field) Field 2 N/A mg/L 09/21/16 09/21/16 1639360 Field 8.19 09/21/16 09/21/16 1639360 pH (Field) N/A pH Units Field 25.8 09/21/16 09/21/16 1639360 Temperature (Field) °C N/A **Microbiology Analyses** SM 9223 09/22/16 1639313 Total Coliform Α 09/21/16 N/A P/A SM 9223 09/21/16 09/22/16 1639313 E. Coli Α P/A N/A SM9215B ND 09/21/16 09/23/16 1639439 Plate Count CFU/ml 1 500 **General Physical Analyses** SM 2120B 09/21/16 ND 09/21/16 1639330 Apparent Color 3.0 15 Color Units EPA 140.1M 09/21/16 09/21/16 1639330 **Odor Threshold** 1 3 TON 1 **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 09/22/16 09/22/16 1639262 10 mg/L 09/21/16 8:30 DM 26314 Monte Vista Ave. (S13-002 Zone: 3) 16I1834-02 (Water) Sample Date: Sampler: Analyte Method Result Prepared Analyzed Batch Qualifier Rep. Limit MCL Units Field Analyses Field 0.03 09/21/16 09/21/16 1639360 Cl Res Free (Field) N/A mg/L Cl Res Total (Field) Field 1.9 N/A mg/L 09/21/16 09/21/16 1639360 Field 09/21/16 09/21/16 1639360 pH (Field) 8.09 N/A pH Units Field 09/21/16 09/21/16 1639360 Temperature (Field) 25.1 °C N/A **Microbiology Analyses** SM 9223 09/21/16 09/22/16 1639313 Total Coliform Α N/A P/A SM 9223 09/21/16 09/22/16 1639313 E. Coli Α N/A P/A SM9215B ND 09/21/16 09/23/16 1639439 Plate Count 1 500 CFU/ml **General Physical Analyses** SM 2120B ND 09/21/16 09/21/16 1639330 Apparent Color 3.0 15 Color Units **Odor Threshold** EPA 140.1M 09/21/16 09/21/16 1639330 1 1 3 TON Turbidity EPA 180.1 ND NTU 09/21/16 09/21/16 1639330 0.1 5

0.40

10

mg/L

09/22/16

09/22/16

1639262

EPA 300.0

ND

General Chemical Analyses

Nitrate as N (NO3-N)



Lomita, City ofProject:Standard AnalysisWork Order:16I183424373 Walnut AvenueSub Project:Distribution Weekly - 3rd Week September 2016Received:09/21/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen

Reported: 09/26/16

1948 W. 252nd St (S13-003 Zone 1)		16I1834-0	o (water)		Sample Da	ate: 09/21/16	7.30 Sa	mpler: D	IVI
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
24632 S. Moon Ave (S13-004 Zone 1)		16I1834-0	4 (Water)		Sample Da	ate: 09/21/16	7:10 Sa	mpler: D	M
24632 S. Moon Ave (S13-004 Zone 1) Analyte	Method	16I1834-0 Result	4 (Water) Rep. Limit	MCL	Sample Da Units	Prepared	7:10 Sa	mpler: D	
Analyte	Method			MCL					
Analyte	Method Field			MCL N/A					
Analyte Field Analyses		Result			Units	Prepared	Analyzed	Batch	
Analyte Field Analyses Cl Res Free (Field)	Field	Result		N/A	Units mg/L	Prepared 09/21/16	Analyzed 09/21/16	Batch 1639360	
Analyte Field Analyses Cl Res Free (Field) Cl Res Total (Field)	Field Field	0.03 1.6		N/A N/A	Units mg/L mg/L	Prepared 09/21/16 09/21/16	Analyzed 09/21/16 09/21/16	Batch 1639360 1639360	
Analyte Field Analyses CI Res Free (Field) CI Res Total (Field) pH (Field) Temperature (Field)	Field Field Field	0.03 1.6 7.49		N/A N/A N/A	Units mg/L mg/L pH Units	Prepared 09/21/16 09/21/16 09/21/16	Analyzed 09/21/16 09/21/16 09/21/16	Batch 1639360 1639360 1639360	
Analyte Field Analyses CI Res Free (Field) CI Res Total (Field) pH (Field) Temperature (Field)	Field Field Field	0.03 1.6 7.49		N/A N/A N/A	Units mg/L mg/L pH Units	Prepared 09/21/16 09/21/16 09/21/16	Analyzed 09/21/16 09/21/16 09/21/16	Batch 1639360 1639360 1639360	
Analyte Field Analyses Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses	Field Field Field Field	Result 0.03 1.6 7.49 24.3		N/A N/A N/A N/A	Units mg/L mg/L pH Units °C	Prepared 09/21/16 09/21/16 09/21/16 09/21/16	09/21/16 09/21/16 09/21/16 09/21/16	Batch 1639360 1639360 1639360 1639360	M Qualifier
Analyte Field Analyses CI Res Free (Field) CI Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform	Field Field Field Field SM 9223	Result 0.03 1.6 7.49 24.3		N/A N/A N/A N/A	Units mg/L mg/L pH Units °C	09/21/16 09/21/16 09/21/16 09/21/16 09/21/16	Analyzed 09/21/16 09/21/16 09/21/16 09/21/16 09/22/16	Batch 1639360 1639360 1639360 1639313	
Field Analyses CI Res Free (Field) CI Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform E. Coli	Field Field Field Field SM 9223 SM 9223	Result 0.03 1.6 7.49 24.3	Rep. Limit	N/A N/A N/A N/A	Units mg/L mg/L pH Units °C P/A P/A	09/21/16 09/21/16 09/21/16 09/21/16 09/21/16	Analyzed 09/21/16 09/21/16 09/21/16 09/21/16 09/22/16 09/22/16	Batch 1639360 1639360 1639360 1639313 1639313	Qualifier



Lomita, City ofProject:Standard AnalysisWork Order:16I183424373 Walnut AvenueSub Project:Distribution Weekly - 3rd Week September 2016Received:09/21/16 16:00

Lomita CA, 91717 Project Manager: Mark Andersen Reported: 09/26/16

2500 PCH (S13-005 Zone 2)		16I1834-0	5 (Water)		Sample Da	ote: 09/21/16	9:30 Sa	mpler: D	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
25417 Pennsylvania Ave (S13-008 Zone 1)		16I1834-0	6 (Water)		Sample Da	ote: 09/21/16	5 10:00 Sa	mpler: Di	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
riciu i thaty ses									
Cl Res Free (Field)	Field	0.03		N/A	mg/L	09/21/16	09/21/16	1639360	
.	Field Field	0.03 1.98		N/A N/A	mg/L mg/L	09/21/16 09/21/16	09/21/16 09/21/16	1639360 1639360	
Cl Res Free (Field)					_				
Cl Res Free (Field) Cl Res Total (Field)	Field	1.98		N/A	mg/L	09/21/16	09/21/16	1639360	
Cl Res Free (Field) Cl Res Total (Field) pH (Field)	Field Field	1.98 7.61		N/A N/A	mg/L pH Units	09/21/16 09/21/16	09/21/16 09/21/16	1639360 1639360	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field)	Field Field	1.98 7.61		N/A N/A	mg/L pH Units	09/21/16 09/21/16	09/21/16 09/21/16	1639360 1639360	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses	Field Field Field	1.98 7.61 26.5		N/A N/A N/A	mg/L pH Units °C	09/21/16 09/21/16 09/21/16	09/21/16 09/21/16 09/21/16	1639360 1639360 1639360	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform	Field Field Field SM 9223	1.98 7.61 26.5	1	N/A N/A N/A	mg/L pH Units °C	09/21/16 09/21/16 09/21/16 09/21/16	09/21/16 09/21/16 09/21/16 09/22/16	1639360 1639360 1639360	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform E. Coli	Field Field Field SM 9223 SM 9223	1.98 7.61 26.5 A	1	N/A N/A N/A N/A	mg/L pH Units °C P/A P/A	09/21/16 09/21/16 09/21/16 09/21/16 09/21/16	09/21/16 09/21/16 09/21/16 09/22/16 09/22/16	1639360 1639360 1639360 1639313 1639313	



Lomita, City ofProject:Standard AnalysisWork Order:161183424373 Walnut AvenueSub Project:Distribution Weekly - 3rd Week September 2016Received:09/21/16 16:00Lomita CA, 91717Project Manager:Mark AndersenReported:09/26/16

09/21/16 7:00 DM 16I1834-07 (Water) **Sample Date:** 2052 Dawn St (A Zone 1) Sampler: Analyte Method Result Rep. Limit MCL Units Prepared Analyzed Batch Qualifier Field Analyses Field 09/21/16 09/21/16 1639360 0.08 Cl Res Free (Field) N/A mg/LCl Res Total (Field) Field 1.9 N/A mg/L09/21/16 09/21/16 1639360 Field 7.65 09/21/16 09/21/16 1639360 pH (Field) pH Units N/A Field 24.6 09/21/16 09/21/16 1639360 Temperature (Field) N/A °C **Microbiology Analyses** SM 9223 09/21/16 09/22/16 1639313 Total Coliform Α N/A P/A SM 9223 09/21/16 09/22/16 1639313 E. Coli Α P/A N/A SM9215B HT-08 Plate Count ND 09/21/16 09/23/16 1639439 1 CFU/ml 500 **General Chemical Analyses** EPA 300.0 09/22/16 09/22/16 1639262 Nitrate as N (NO3-N) 0.40 10 mg/L

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

Cliniteal Latrateaton Son Sam Beimaratho, Inc.

	Clinical					-0									(
City of Lomita										9	H	8	75			
1910073 White Avenue 1910073 Elizabetic Elizabe	Client	City of Lomita	Š	tem N	umber					4	nak	Sis	edu	ested		
Handle Londing CA 91717	Address	24373 Walnut Avenue				00,00	3				_					
Comments	×	Lomita, CA 91717				9100	13									
Standard Analysis	Phone #	(310) 325-9830			Desti	nation La	boratory			lot	-					
Time Sample Identification Process Sample Identification Process Type	Fax#	(310) 325-3627) [X]	Tinical La	boratory			al C						
Time Sample Identification Mair Preservent Time Time Sample Identification Mair Preservent Time	Project	Standard Analysis			RW	QCB Com	pfiance			olit			J			
Time Sample Identification Mutrix Presery Type Bottle # Tranp. France Tranp.	Sub Project	Distribution Weekly - 3rd Week September 2016				YES				orm/			HPC	PH		
Time Sample Edentification March Preserv Type Bottle # tempt Chloring						ELAP	#			E.co	_					
Time Sample Identification Marcia Preserve Type Bettile # Tempt Column Time Sample Identification Marcia Preserve Type Bettile # Tempt Time Chlorine Ch	Comments					1088	~			oli P						
Finds		Wa						<u>.</u>								
		Sample Idenitification		reserv	Type	Bottle #		Chlorine		- è						
	18D		DW	1,7	1D	-	25.8	0.03	-	-	-	×	×	8.19		
		26314 Monte Vista (S13-002 Zone:3)	DW	1,7	10	2	25.1	0.03	1.9		-	×	×	8.09		
24632 S. Moon Ave. (513-004 Zone: 1) DW 1,7 ID 5 26.4 0.02 2.1 x x x 7.49	9/21/2016 0730	1948 W. 252nd St. (S13-003 Zone: 1)	DW	1,7	110	3	25.2	0.04	1.6			×	×	7.59		
	8	24632 S. Moon Ave. (S13-004 Zone: 1)	DW	1,7	110	4	24.3	0.03	1.6			×	×	7.49		
	9/21/2016 0830	2500 PCH (S-13-005 Zone: 2)	DW	1,7	1D	3	26.4	0.05	2.1			×	×	∞		
		Reservoir SP5	DW	1,7	1D											E
(1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D4 (6) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D4 (6) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D4 (6) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D4 (6) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D4 (6) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D5 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D6 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D6 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D6 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D6 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) HCI (4) NH4CI D7 (1) Na ₂ S ₂ O ₃ (2) HCI (3) HCI (4)			DW	1,7	1D	7	26.5	0.03	1.98			×	×	7.61		
(1) Na ₂ S ₂ O ₃ (2) HC1 (3) HNO3 (4) NH4C1 D4 (6) Na ₂ SO3 (7) Cold (8) Other: Shed By (Sign) Print Name / Company City of Lomita Comments:"Nitrite Low Level EPA 353.2" Comments:"Nitrite Low Level EPA 353.2"	01		DW	1,7	1D	∞	24.6	0.08	1.9			X	×	7.65		
(1) Na ₂ S ₂ O ₃ (2) HC1 (3) HNO3 (4) NH4C1 O4 (6) Na ₂ SO ₃ (7) Cold (8) Other: Shed By (Sign) Print Name / Company City of Lomita City of Lomita 9/21/ Comments:"Nitrite Low Level EPA 353.2" Comments:"Nitrite Low Level EPA 353.2"										\dashv						
(1) Na ₂ S ₂ O ₃ (2) HCl (3) HNO3 (4) NH4Cl O4 (6) Na ₂ SO ₃ O ₃ (7) Cold (8) Other: Shed By (Sign) City of Lomita City of Lomita Comments:"Nitrite Low Level EPA 353.2" Comments:"Nitrite Low Level EPA 353.2"																
City of Lomita Print Name / Company Print Name Print Name Page Print Page	Preservatives: (1) Na ₂ S ₂ O ₃ (5) H2SO4 (6) Na ₂ S	i, (2) HCI (3) HNO3 (4) NH4CI SO3 (7) Cold (8) Other:		Matr	ix: DW-L	rinking V	Vater, W Type-	W-Waste V 1-Routine,	Vater, SW, 2-Repear	/-Stor	m W	ater,	3W- (Ground V	Vater, W-Well D- Dist.	
City of Lomita 9/21/2016 1:15	Relinquished By (a	1					*	eive	d By	(Sign)		
	DANIEL MATEIN L	City of Lomita	76	21/201	9	1:15	300000000000000000000000000000000000000			P)				The mark and the	
Comments:"Nitrite Low Level EPA 353.2" Samples received: (70n ice (70n		J. J. LUCIDO CUSTS	0	-51-1	4/3	36			1						AM (1813	
Fed X Golden State UPS Client Other Page 1		Comments:"Nitrite Low Level EPA 353.2"			Sample	s receiv	ed: C	70n ice		Intac	± ~		Cus	tody se	als Temp [2] ()Fy	X
	Shipped Via	Golden State	[] Clien	1-	Other						Page	-	I fo			



28 September 2016 Clinical Lab No.: 16l1276

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,

Stu Styles

Client Services Manager

tistes



Lomita, City ofProject:Standard AnalysisWork Order:161127624373 Walnut AvenueSub Project:Distribution Weekly - 2nd Week September 2016Received:09/14/16 15:45Lomita CA, 91717Project Manager:Mark AndersenReported:09/28/16

1912 W. 259th St. (S13-001 Zone: 2)		1611276-0	1 (Water)		Sample Da	te: 09/14/16	6 0:00 Sa i	mpler: Di	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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)		16I1276-0	2 (Water)		Sample Da	te: 09/14/16	6 0:00 Sa i	mpler: Di	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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									
General i nysical Analyses									
Apparent Color	SM 2120B	ND	3.0	15	Color Units	09/14/16	09/14/16	1638387	
	SM 2120B EPA 140.1M	ND 1	3.0	15 3	Color Units TON	09/14/16 09/14/16	09/14/16 09/14/16	1638387 1638387	
Apparent Color									
Apparent Color Odor Threshold Turbidity	EPA 140.1M	1	1	3	TON	09/14/16	09/14/16	1638387	
Apparent Color Odor Threshold Turbidity	EPA 140.1M	1	1	3	TON	09/14/16	09/14/16	1638387	
Apparent Color Odor Threshold Turbidity General Chemical Analyses	EPA 140.1M EPA 180.1	1 ND	1 0.1	3 5	TON NTU	09/14/16 09/14/16	09/14/16 09/14/16	1638387 1638387	



Lomita, City ofProject:Standard AnalysisWork Order:161127624373 Walnut AvenueSub Project:Distribution Weekly - 2nd Week September 2016Received:09/14/16 15:45

Lomita CA, 91717 Project Manager: Mark Andersen Reported: 09/28/16

1948 W. 252nd St. (S13-003 Zone: 1)		1611276-0	3 (Water)		Sample Da	te: 09/14/16	6 0:00 Sa	mpler: D	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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)		16I1276-0	4 (Water)		Sample Da	te: 09/14/10	6 0:00 Sa	mpler: D	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
			кер. Епш	MCL	Omts		,		
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	
T 1:17	EPA 180.1	ND	0.1	5	NTU	09/14/16	09/14/16	1638387	
Turbidity									
General Chemical Analyses									
,	EPA 350.1	ND	0.60	N/A	mg/L	09/22/16	09/26/16	1639267	
General Chemical Analyses	EPA 350.1 EPA 350.1	ND ND	0.60 0.60	N/A N/A	mg/L mg/L	09/22/16 09/27/16	09/26/16 09/27/16	1639267 1640101	



Lomita, City of Project: Standard Analysis Work Order: Sub Project: Distribution Weekly - 2nd Week September 2016 Received: 09/14/16 15:45 24373 Walnut Avenue 09/28/16

Lomita CA, 91717 Reported: Project Manager: Mark Andersen

2500 PCH (S13-005 Zone: 2)		16I1276-0	5 (Water)		Sample Da	te: 09/14/10	6 0:00 Sa	mpler: Di	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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 Z	one: 1)	16I1276-0	6 (Water)		Sample Da	te: 09/14/10	6 0:00 Sa	mpler: D	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
	SM 9223 SM 9223	A A		N/A N/A	P/A P/A	09/14/16 09/14/16	09/15/16 09/15/16	1638373 1638373	
Total Coliform			1						HT-08
Total Coliform E. Coli Plate Count	SM 9223	A	1	N/A	P/A	09/14/16	09/15/16	1638373	HT-08
Total Coliform E. Coli Plate Count	SM 9223	A	0.60	N/A	P/A	09/14/16	09/15/16	1638373	HT-08
Total Coliform E. Coli Plate Count General Chemical Analyses	SM 9223 SM9215B	A ND		N/A 500	P/A CFU/ml	09/14/16 09/14/16	09/15/16 09/16/16	1638373 1638474	HT-08



Lomita, City ofProject:Standard AnalysisWork Order:161127624373 Walnut AvenueSub Project:Distribution Weekly - 2nd Week September 2016Received:09/14/16 15:45

Lomita CA, 91717 Project Manager: Mark Andersen Reported: 09/28/16

2052 Dawn St (A Zone: 1)		16I1276-0	7 (Water)		Sample Da	ate: 09/14/1	6 0:00 Sa	mpler: D	M
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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

Client		City of Lomita	ŝ	ystem N	stem Number					Αn	alvsi	S Re	Analysis Requested	ted		
Address		24373 Walnut Avenue				0100	1					-	-			
		Lomita, CA 91717				19100/3	0/			7			-			
Phone #		(310) 325-9830			Desti	Destination Laboratory	Soratory			Γota						
Fax#		(310) 325-3627			[X] C	[X] Clinical Laboratory	boratory			ıl C	Gei	_	E.			
Project		Standard Analysis			RW	RWQCB Compliance	жапсе			olif	nera	tal	ee A	-		
Sub Project		Distribution Weekly - 2nd Week September				YES				orm	al Pl		itra	HPC	PH	
		2016				ELAP#	#			/E.	hysi			-		
Comments						1000				coli	ical		ic			
Sampled by		DM				1088	_			P/A						
Date	Time	Sample Idenitification	Matrix	Preserv	Type	Bottle # Temp C	Temp C	Free	Total Chlorine							
9/14/2016		1912 W. 259th St. (S13-001 Zone: 2)	DW	1,7	110	-	24.6	0.05	2	×		×	X	×	8.21	
9/14/2016		26314 Monte Vista (S13-002 Zone:3)	DW	1,7	110	2	24.6	0.03	2.1	×	×	×	X	-	8.21	
9/14/2016		1948 W. 252nd St. (S13-003 Zone: 1)	DW	1,7	110	3	25.7	0.07	1.8	×		×	X	×	8.27	
9/14/2016		24632 S. Moon Ave. (S13-004 Zone: 1)	DW	1,7	110	4	23.6	0.03	2.11	×	×	×	X	×	7.59	
9/14/2016		2500 PCH (S-13-005 Zone: 2)	DW	1,7	110	S	24.2	0.03	1.7	×	×	-	-	\vdash	8.12	
		Reservoir SP5	DW	1,7	1D											OFF SCADA UPGRADE
9/14/2016		25417 Pennsylvania Ave (S13-008 Zone: 1)	DW	1,7	110	7	24.4	90.0	1.5	×		×	X	×	7.91	
9/14/2016		2052 Dawn St (A Zone: 1)	DW	1,7	11D	8	24.8	0.03	1.9	×		×	х	×	7.49	
Preservatives: (1)	() Na,S,O,	Preservatives: (1) Na.S.O. (2) HCl (3) HNO3 (4) NH4Cl			Matrix: D	V-Drinkin	g Water,	WW-Wasi	te Water, S	-S-W	Jorn	Wate	- G		ound Wate	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, Ground Water, W-Well D- Dist
(5) H2SO4	(6) Na25	اغا					Ty	Type- 1-Routine, 2-Repeat,	ine, 2-Rep	eat, 3	Rep	acem	ent, 4-	3-Replacement, 4-Special	ial	
Relinquished By (Sign)	ied By (.	Sign) Print Name / Company			Q.	Date / Time	16				Ruce	i) ea	87	iyed By (Sign)		-
DANHEL MATEIK	ZIK A	City of Lomita		9/14/2016	9,	1:48	•		7	D		\geq		1		M W M M M
3	2	J.W. 25. W. COSB		9.4-	191	3.14	5		1			d	y	1		MV
)	X	1		N	1		
)		Comments: "Nitrite Low Level EPA 353.2"			Sample	Samples received:		On ice	_	ıtacı	_	_	Sust	ody	Intact () Custody seals Temp	mp II- ()F (XC
Shipped Via		Fed X Golden State UPS	[] Client	_	Other					P	Page_	1_ of	1-			

 -16 ± 1206



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,

Stu Styles

Client Services Manager



Reported: 09/21/16

Lomita, City ofProject:Standard AnalysisWork Order:161051924373 Walnut AvenueSub Project:Distribution Weekly - 1st Week Sept 2016Received:09/07/16 16:30

Lomita CA, 91717 Project Manager: Mark Andersen

1912 W. 259th St (S13-001 Zone: 2)		1610519-0	1 (Water)		Sample Da	te: 09/07/16	10:30 Sa	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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 Z	Zone: 3)	1610519-0	2 (Water)		Sample Da	te: 09/07/16	5 10:15 San	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
<u>*</u>	Field	0.06		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Free (Field) Cl Res Total (Field)	Field Field	0.06 2.4		N/A N/A	mg/L mg/L	09/07/16 09/07/16	09/07/16 09/07/16	1637325 1637325	
Cl Res Free (Field)					_				
Cl Res Free (Field) Cl Res Total (Field)	Field	2.4		N/A	mg/L	09/07/16	09/07/16	1637325	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field)	Field Field	2.4 8.08		N/A N/A	mg/L pH Units	09/07/16 09/07/16	09/07/16 09/07/16	1637325 1637325	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field)	Field Field	2.4 8.08		N/A N/A	mg/L pH Units	09/07/16 09/07/16	09/07/16 09/07/16	1637325 1637325	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses	Field Field Field	2.4 8.08 26.8		N/A N/A N/A	mg/L pH Units °C	09/07/16 09/07/16 09/07/16	09/07/16 09/07/16 09/07/16	1637325 1637325 1637325	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform	Field Field Field SM 9223	2.4 8.08 26.8	1	N/A N/A N/A	mg/L pH Units °C	09/07/16 09/07/16 09/07/16	09/07/16 09/07/16 09/07/16	1637325 1637325 1637325 1637285	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform E. Coli Plate Count	Field Field Field SM 9223 SM 9223	2.4 8.08 26.8 A	1	N/A N/A N/A N/A	mg/L pH Units °C P/A P/A	09/07/16 09/07/16 09/07/16 09/07/16 09/07/16	09/07/16 09/07/16 09/07/16 09/08/16 09/08/16	1637325 1637325 1637325 1637285 1637285	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform E. Coli Plate Count	Field Field Field SM 9223 SM 9223	2.4 8.08 26.8 A	1 0.60	N/A N/A N/A N/A	mg/L pH Units °C P/A P/A	09/07/16 09/07/16 09/07/16 09/07/16 09/07/16	09/07/16 09/07/16 09/07/16 09/08/16 09/08/16	1637325 1637325 1637325 1637285 1637285	
Cl Res Free (Field) Cl Res Total (Field) pH (Field) Temperature (Field) Microbiology Analyses Total Coliform E. Coli Plate Count General Chemical Analyses	Field Field Field SM 9223 SM 9223 SM9215B	2.4 8.08 26.8 A A ND		N/A N/A N/A N/A N/A 500	mg/L pH Units °C P/A P/A CFU/ml	09/07/16 09/07/16 09/07/16 09/07/16 09/07/16 09/07/16	09/07/16 09/07/16 09/07/16 09/08/16 09/08/16 09/09/16	1637325 1637325 1637325 1637285 1637285 1637458	



09/21/16

Lomita, City ofProject:Standard AnalysisWork Order:161051924373 Walnut AvenueSub Project:Distribution Weekly - 1st Week Sept 2016Received:09/07/16 16:30

Lomita CA, 91717 Project Manager: Mark Andersen Reported:

1948 W 252nd St (S13-003 Zone 1)		1610519-0	3 (Water)		Sample Da	te: 09/07/1	6 8:10 Sa	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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)		16I0519-0	4 (Water)		Sample Da	te: 09/07/10	6 10:45 Sa	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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									
General Chemical Analyses Ammonia (NH3)	EPA 350.1	ND	0.60	N/A	mg/L	09/19/16	09/19/16	1639021	
 	EPA 350.1 EPA 350.1	ND ND	0.60 0.60	N/A N/A	mg/L mg/L	09/19/16 09/19/16	09/19/16 09/19/16	1639021 1639040	



Lomita, City ofProject:Standard AnalysisWork Order:16I051924373 Walnut AvenueSub Project:Distribution Weekly - 1st Week Sept 2016Received:09/07/16 16:32

Lomita CA, 91717 Project Manager: Mark Andersen

Received: 09/07/16 16:30 Reported: 09/21/16

2500 Pacific Coast Highway (S13-005 Zone	e 2)	1610519-0	5 (Water)		Sample Da	te: 09/07/16	8:25 Sa	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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)		1610519-0	6 (Water)		Sample Da	te: 09/07/16	8:45 Sa	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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	
		Α		N/A	P/A	09/07/16	09/08/16	1637285	
E. Coli	SM 9223	Λ							TITE OO
E. Coli Plate Count	SM 9223 SM9215B	ND	1	500	CFU/ml	09/07/16	09/09/16	1637458	HT-08
Plate Count			1	500	CFU/ml	09/07/16	09/09/16	1637458	H1-08
Plate Count			0.60	500 N/A	CFU/ml mg/L	09/07/16 09/19/16	09/09/16 09/19/16	1637458 1639021	H1-08
Plate Count General Chemical Analyses	SM9215B	ND							H1-08



09/21/16

Lomita, City of Work Order: Project: Standard Analysis 16I0519 Sub Project: Distribution Weekly - 1st Week Sept 2016 Received: 09/07/16 16:30 24373 Walnut Avenue

Lomita CA, 91717 Reported: Project Manager: Mark Andersen

> 16I0519-07 (Water) DGM

2052 Dawn St (A Zone: 1)		1610519-0	7 (Water)		Sample Da	ate: 09/07/1	6 7:45 Sa	mpler: D	GM
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
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

7/2/7 Chain of Custody

(UI0519	Analysis Requested		7		To Gei	Nee A	Am al P	te mon mon	nia	P/A	Free Total	0.04 1.8 x x x x x 8.17	0.06 2.4 x x x x 8.08	0.06 1.6 x x x x x 8.16	0.06 1.7 x x x x 8.15	0.03 1.8 x x x x 8.13	OFF SCADA UPGRADE	0.06 1.6 x x x x 7.82	0.07 1.8 x x x x x 7.73		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	Reperted By (Sign)	THE TIMESPOLCES	Color Am cursi
	System Number	270010	5/00/3	Destination Laboratory	[X] Clinical Laboratory	RWQCB Compliance	YES	ELAP#	9994	1088	Matrix Preserv Type Bottle# Temp C Cbd	DW 1,7 1D 1 26.9 0.	DW 1,7 1D 2 26.8 0.	DW 1,7 1D 3 24.7 0.	DW 1,7 1D 4 27 0.	DW 1,7 1D 5 25.6 0.	DW 1,7 1D WG	DW 1,7 1D 7 26.3 0.	DW 1,7 1D 8 26.1 0.		Matrix: DW-Drinking Water, WW	Type- I	Date / Time	9/7/2016 / 1:00	9:16//91.69
	City of Lomita	24373 Walnut Avenue	Lomita, CA 91717	(310) 325-9830	(310) 325-3627	Standard Analysis		Distribution Weekly - 1st Week September 2010		DM	Sample Idenitification	1912 W. 259th St. (S13-001 Zone: 2)	26314 Monte Vista (S13-002 Zone:3)	1948 W. 252nd St. (S13-003 Zone: 1)	24632 S. Moon Ave. (S13-004 Zone: 1)	2500 PCH (S-13-005 Zone: 2)	Reservoir SP5	25417 Pennsylvania Ave (S13-008 Zone: 1)	2052 Dawn St (A Zone: 1)		Preservatives: (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO3 (4) NH4CI	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:	Sign) Print Name / Company	HW City of Lomita	1. WCPN/1018
	Client	Address		Phone #	Fax#	Project		Sub Project	Comments	Sampled by	Date Time	9/7/2016 1838	9/7/2016 /0/15	9/7/2016 (X8/10)	9/7/2016 1045	9/7/2016 08825		9/7/2016 (2845	9/7/2016 0745		Preservatives: (1) Na ₂ S ₂ O ₃	(5) H2SO4 (6) Na2S(Relinquished By (Sign)	DAWIEL MATEIK	えなく

Samples received: Son ice (X) Intact () Custody seals Tempa.

Other

| | Fed X | | Golden State | | UPS | | Client

Shipped Via

Comments: "Nitrite Low Level EPA 353.2"

APPENDIX B

METHANE MONITORING LOG



CITY OF LOMITA PUBLIC WORKS DEPARTMENT

CYPRESS WATER PRODUCTION FACILITY HANDHELD METHANE LOG READINGS

		SEPTEMBER 201	6
DATE	DAY	METHANE HANDHELD	COMMENTS
9/1/2016	М		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	М		CWPF OFFLINE
9/9/2016	Т		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	М		CWPF OFFLINE
9/16/2016	Т		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	М		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	М		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

CITY OF LOMITA, System No. 1910073 --- Month, Year: September 2016 1MONTHLY NITRIFICATION MONITORING SUMMARY REPORT

Comments		MWD Only	MWD Only	MWD Only	MWD Only		MWD Only	MWD Only	MWD Only	MWD Only	MWD Only	MWD Only	MWD Only		MWD Only	MWD Only	MWD Only		MWD Only	MWD Only	MWD Only	Villo U	MWD Only	MWD Only	MWD Only	MWD Only	MWD Only	MWD Only	MWD Only		MWD Only	MWD Only	MWD Only
Noco		1 MW	1 MW	1 MW	1 MW	1		3 MW		1 MW	1 MW	1 MW	1 MW	1 -		3 MW		H	1 MW	1 MW	1 MW	1 1/1/1/1	+	3 MW		1 MW	1 MW	1 MW	1 MW	1 -	2 MW		2 MW
HPC	CFU/m/	ND	QN	ND	ND		ND	ND	ND	QN	QN	QN	QN		ND	ND	ON		S.	QV :	ON S	9	QN	QN	QN	ND	ND	ND	QN		ND	QN	QN
Coliform ²	P/A	Ą	Ą	V	Ą		Ą	Ą	A	A	A	A	Ą		Ą	A	Þ		Α.	V.	V <	τ	A	A	А	Ą	A	A	A		A	Ą	A
Nitrate	mg/L	ND	ND	ND	ND		ND	ND	ND	ND	ND	ND	ND		QN	ND	QN	9	ON.	9 5	2 2	5	QN	QV	DN	0.48	ND	0.41	ND		0.46	0.46	ND
Nitrite	mg/L	0.005	0.003	900.0	900.0		0.004	0.003	0.004	0.012	900.0	0.007	0.007		0.009	0.009	0.005	1000	0.007	0.007	0.008	0.000	0.005	0.007	0.011	900.0	0.005	900.0	0.007		0.004	900.0	0.011
Free Ammonia	mg/L	QN	QN	QN	ND		ND	ND	ND	QN	QN	ND	ND		ND	ND	QN	****	0.77	0.05	0.10	2	0.23	0.18	0.10	0.18	0.03	0.15	0.20		0.18	0.22	0.10
Total Ammonia	mg/L	ND	ND	ND	ND	CWPF OFFLINE	ND	ND	ON	ND	QN	QN	QN	CWPF OFFLINE	ND	ND	QN	000	0.38	0.39	0.39	CWPF OFFLINE	0.34	0.30	0.38	0.38	0.38	0.29	0.39	CWPF OFFLINE	0.39	0.39	0.31
Free Chlorine	mg/L	90.0	90.0	90.0	0.07	CV	0.04	90.0	0.03	0.07	0.03	90.0	0.03	C	0.02	0.03	0.03	.00	0.04	0.03	0.03		0.03	0.03	0.02	0.02	0.00	0.00	90.0	S	0.10	0.00	0.05
Total Chlorine	mg/L	1.60	1.70	1.60	1.80		1.80	2.4	1.80	1.80	2.11	1.50	1.90		2.00	2.10	1.70	00 1	00.7	1.60	1.98	200	2.00	1.90	2.10	2.15	2.06	1.71	2.10		1.99	2.13	1.69
Н		8.16	8.15	7.82	7.73		8.17	8.08	8.13	8.27	7.59	7.91	7.49		8.21	8.21	8.12	7 60	1.39	7.49	7.65	20:1	8.19	8.09	8.00	8.41	8.32	8.27	8.45		8.04	7.92	7.37
Гетр	ပွ	24.7	27.0	26.3	26.1		26.9	26.8	25.6	25.7	23.6	24.4	24.8		24.6	24.6	24.2	050	2.0.2	24.3	24.6	0.17	25.8	25.1	26.4	24.2	23.8	24.3	22.3		27.1	24.2	24.2
Sample Date (and Time)	MM/DD/YYYY Xx:xx am/pm	9/7/2016	9/7/2016	9/7/2016	9/7/2016		9/7/2016	9/7/2016	9/7/2016	9/14/2016	9/14/2016	9/14/2016	9/14/2016		9/14/2016	9/14/2016	9/14/2016	010410046	9/21/2010	9/21/2016	9/21/2016	200	9/21/2016	9/21/2016	9/21/2016	9/30/2016	9/30/2016	9/30/2016	9/30/2016		9/30/2016	9/30/2016	9/30/2016
Location		1948 W. 252 nd St	24632 S Moon Av	25417 Pennsylvania Av	2052 Dawn St	Reservoir	1912 W. 259th PI	26314 S Monte Vta.	2500 PCH	1948 W. 252 nd St	24632 S Moon Av	25417 Pennsylvania Av	2052 Dawn St	Reservoir	1912 W. 259th PI	26314 S Monte Vta.	2500 PCH	40 40 141 0 EQUA OF	1946 W. 232 SI	24632 S Moon Av	2541 / Pennsylvania Av	Reservoir	1912 W. 259th PI	26314 S Monte Vta.	2500 PCH	1948 W. 252 nd St	24632 S Moon Av	25417 Pennsylvania Av	2052 Dawn St	Reservoir	1912 W. 259th PI	26314 S Monte Vta.	2500 PCH
Sample I.D	Units/Others →	S13-003	S13-004	S13-008	А		S13-001	S13-00Z	S13-005	S13-003	S13-004	S13-008	А		S13-001	S13-002	S13-005	040,000	513-003	S13-004	\$13-008		\$13-001	\$13-002	S13-005	S13-003	S13-004	S13-008	А		S13-001	S13-002	S13-005
@ <i>G</i> O C	Juits/C	Q	Q	3 D	4 D	5 D	Q 9	D .	8 D	Q	2 D	3 D	4 D	5 D	Q 9		8 D	c	2	0	2 0	-	-	0 '	8 D	_	2 D	3 D	4 D	5 D	Q 9	D ,	8 D

'Notes: 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).
*Coliform results are part of weekly Bacti sampling results.