CITY OF LOMITA



Cypress Water Production Facility Monthly Status Report

March 2015

CITY COUNCIL

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



ADMINISTRATION

MICHAEL ROCK
CITY MANAGER

April 9, 2015

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

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

Dear Mr. Williams,

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

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

Sincerely,

Mark A. McAvoy, P.E.

Public Works Director/City Engineer

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.

Well Production and Operations

For the month of March 2015, the CWPF operated for approximately 31 days, providing blended water on a fill and draw cycle with the reservoir level fluctuating with system demand. The total production from Well No. 5 for the month was approximately 64.55 ac-ft (21,033,812 gallons) with a daily production of approximately 2.08 ac-ft. The total combined production from both MWD import water and Well No. 5 was approximately 115.84 ac-ft (37,745,552 gallons) for the month with a combined daily production of approximately 3.74 ac-ft. The daily average flow from Well No. 5 was 524 gpm. The average flow from the Well was determined by taking an average of the daily reads provided on the Daily Monitoring logs used onsite. The blend ratio for this month was on average 56% Well water and 44% MWD water.

Operational Interruptions

There were no major operational interruptions during the month of March 2015. Routine and preventive maintenance was performed on various pieces of equipment as-needed. No major planned operational interruption is anticipated for the following month.

Sample Locations

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

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.

A. Iron, Manganese, and Color

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

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

		SP1, We	ell Raw	Water	Disch	arge		Pres	Com sure Efflue		SF		r chlora er; reser		ion stati ntry	С
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	lron, mg/L	*MCL = 300 ug/L	Manganese, mg/L	*MCL = 50 ug/L	Color	*MCL=15
3/4/2015	179	300	83.1	50	10	15	Α	Α	Α	500	ND	300	ND	50	5	15
3/11/2015											ND	300	ND	50	ND	15
3/18/2015											ND	300	ND	50	ND	15
3/25/2015									_		ND	300	ND	50	7.5**	15

Notes: Monthly- Orange

Weekly- Yellow

A – Absent

ND – Non Detect

*Per the SWRCB Drinking Water "Chemicals and Contaminants in Drinking Water" Regulations

** Color sample taken on 4/1/15 to make up for missed sample on 3/25/15. An additional color sample at SP3 will be taken in April.

B. Free and Total Chlorine Residuals

Daily free chlorine residuals were monitored at SP2, SP3 and SP4. Daily total chlorine residuals were monitored at SP3 and SP5. Free chlorine and total chlorine residuals, at all respective sample points, were monitored using a combination of continuous chlorine analyzers and SCADA. See Table 2 below for a weekly summary of the results.

Date, week of	SP2	SI	P3	SP4		SP5
Date, week of	Free CI	Free CI	Total CI	Free CI	Total CI	MCL= 4 mg/L
3/4/2015	9.52	5.36	7.28	0.58	2.89	4
3/11/2015	9.68	5.60	6.80	0.60	3.42	4
3/18/2015	9.39	4.32	6.03	0.52	3.62	4
3/25/2015	8.57	7.78	8.46	0.53	3.49	4

C. TDS, Odor, Hardness, and Methane

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

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

		TD	S, mg/L		Т.О	.N.		rdness, ng/L		thane r), 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	SP5 - Reservoir Effluent	Goal= 180 - 250 mg/L	SP1 - Raw Well Water	SP5 - Reservoir Effluent
3/4/2015	700	610	580	500-750	1	3	300	180-250	2.4	0.52
3/11/2015			680	500-750						0.49
3/18/2015			670	500-750						0.54
3/25/2015			670	500-750						0.40
Average			650							0.49

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

D. <u>Total Dissolved Solids (TDS)</u>

The sampling results indicate the TDS levels of the effluent blended water to be on average 650 mg/L. The TDS level of the effluent water meets the City's Water Quality Objective/Goal of 500 to 750 mg/L. The sampling results indicate the TDS levels in the raw water and MWD water source to be 700 mg/L and 610 mg/L, respectively.

E. Hardness

The sampling results for the month of March indicate the hardness levels of the blended water to be 300 mg/L. Although, this hardness level is in the upper range of the City's Water Quality Objective/Goal of 180 to 250 mg/L; staff continues to monitor hardness levels at the CWPF effluent (SP5) and within the water distribution system. The City has maintained a consistent blend ratio to ensure acceptable hardness levels are met.

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

F. Dissolved Methane (in Water)

The methane levels in the CWPF effluent after aeration treatment remain negligible averaging 0.49 mg/L.

G. Methane (in Air)

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

Appendix A

Laboratory Results



03 April 2015 Clinical Lab No.: 15C2002

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

Project Name: Standard Analysis

Sub Project: CWPF Weekly Non-Comp Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 03/25/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

testes



Lomita, City ofProject:Standard AnalysisWork Order:15C200224373 Walnut AvenueSub Project:CWPF Weekly Non-Comp AnalysisReceived:03/25/15 16:45Lomita CA, 91717Project Manager:Mark AndersenReported:04/03/15

Filter Effluent Site #3		15C2002-	01 (Water)		Sample Da	te: 03/25/15	0:00 S	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Metals									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/01/15	04/01/15	1514227	7
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/01/15	04/01/15	1514227	7
Reservoir Effluent Site #5		15C2002-	02 (Water)		Sample Da	te: 03/25/15	9:43 S	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	670	5.0	1000	mg/L	03/26/15	03/30/15	1513385	5
ND Analyte NOT DETECTED at or	above the reporting limit	t							



Analytical Laboratory Service - Since 1964

Report Date: 04/03/15 09:21 Received Date: 03/26/15 14:22 Turnaround Time: 5 workdays

Phones: (909) 825-7693 **Fax:** (909) 825-7696

P.O. #:

Attn: John Styles

Project: 15C2002

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 3/26/2015 with the Chain of Custody document. The samples were received in good condition, at 4.5 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5C26031-01	Sample	ID: I	Reservoir E	ffluent Site	#5 / 15	C2002-02			Ma	atrix: Water
Sampled by: Client	Sampled	i: 03/25/	15 09:43							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.40		0.010	mg/l	1	RSK-175	3/27/15	3/27/15 15:52	W5C1715	



Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5C1715-BLK1)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 15:09	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5C1715-BS1)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 15:31	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.181		mg/l	0.198	92	85-115		
Calibration Check (W5C1715-CCV1)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 15:20	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00724		mg/l	0.00792	91	50-150		
Calibration Check (W5C1715-CCV2)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 14:58	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.201		mg/l	0.198	101	85-115		
Duplicate (W5C1715-DUP1)	S	ource: 5C26031	-01		Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 16:03	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit



Notes:

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

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

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

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

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

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

Authorized Signature

Contact: Brandon Gee (Project Manager)









ELAP # 1132 LACSD # 10143 NELAC # 04229CA

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

Flags for Data Qualifiers:

ND NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method

Detection Limit (MDL).

Sub Subcontracted analysis, original report enclosed.

DL Method Detection Limit
RL Method Reporting Limit
MDA Minimum Detectable Activity

NR Not Reportable

5C26031 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino

15C2002

RECEIVING LABORATORY:

5CZ6031

alytical & Environmental Environmental Svc 14859 E Clark Ave 1745 336-2139 5-2634
al-lab.com
[/No []No [/No
Comments
43 PS Code: WTX ID: UCMR ID:
Report in mg/L

3/26/1S Received By Date / Time

Clinical	Clinical Laboratory of San Bernardino, Inc.	o, Inc.							7	$\mathcal{C}_{\mathcal{A}}$	Ü,	D/D/2 H. Hain of Custody
Client	City of Lomita	Sys	System Number	umber		Analysis		Requested	ted			
Address	24373 Walnut Avenue		101	1010072					H	-	\vdash	
	Lomita, CA 91717		0							Me		
Phone #	(310) 325-9830	ď	estinatio	Destination Laboratory	tory		_	Ph	Pho	tha		
Fax#	(310) 325-3627	2	() Clinica	[X] Clinical Laboratory	ory			osp				
Project	Standard Analysis		срир с	CDHP Compliance				hate				
Sub Project	CWPF Weekly Non-Comn Analysis		,	-NO- Ye	Ϋ́			e- O		TEI		
				ELAP#				rtho				-
Comments	147		7	1088			Min CaC	o as l	l as			
Sampled by	Edward D. V.Vie					<u>run</u>	والاستان	P	P	K175	194	
Date Time	Sample Idenitification	Matrix	Type	Preserv	Total Chlorine		ی			5)		Comments / P.S. Codes
									_			
	Raw Water Site #1	DW	W.	N/A								
,							_					
\$15/K	Filter Effluent Site #3 (1)	DW	<u>*</u>	7N/A	1	7	X					
	Reservoir Influent Site #4	DW	<u>₹</u>	N/A								
\neg				,		_		- -		_		
	Reservoir Effluent Site #5 (3)	DW	¥.	7" N/A	i,		<u>Κ</u>		-	7		
112411 0443	11 11 11									X		
	Zone #2 Site #6	DW	N N	N/A								
							\dashv		+	_		
									+	-		
Preservatives: (1	Preservatives: (1) Na. S. O. (2) HCI (3) HNO3 (4) NH4CI		Matrix:	DW-Drink	Matrix: DW-Drinking Water WW.Waste Water SW. Storm Water	WW-W2	- Sete W	16 V	-\s\-	- Wat	, i	CIM. Cround Water A Air
(5) H2SO4 ((6) Na2SO3 (7) Cold (8) Other:			Type-1	Type- 1-Routine,	2-Repeat,	t, 3-Re	3-Replacement, 4-Special	ent, 4-	Specie	, or 1. W-V	W-Well D- Dist.
Rehinguished	By (Sign) Print Name / Company	y		Date / Time				reixe	By (Sign)	ign)		Print Name,/ Company
	- Elwax hiving	\$	3/2	513	121 J	260	7		Z	\		TIMON CUB
	(1) of bout	-	2.2	151.5	54.45		1	王)				
Comments: 7TAT	FTAT J.WCOW/CLSB		-	S	Samples received:	eceive		زير کري) si O) Int	Intact	() Custody seals
Shipped Via	Fed X Golden State	I UPS	7-	Client	1 1 Other		dun					Page 1 of 1
		1	1									╣

"Your Water and Wastewater Analysis Solution"



07 April 2015 Clinical Lab No.: 15D0181

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

Project Name: Standard Analysis

Sub Project: CWPF Monthly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 04/01/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

DRAFT REPORT
DATA SUBJECT TO CHANGE



Lomita, City of Project: Standard Analysis Work Order: 15D0181 Sub Project: CWPF Monthly Compliance Analysis Received: 04/01/15 17:00 24373 Walnut Avenue 04/07/15 Lomita CA, 91717

Reported: Project Manager: Mark Andersen

Filter Effluent Site (Chloramine) #3		15D0181-0	3 (Water)		Sample Date	04/01/15	11:20	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyze	d Batel	h Qualifier

Clinical Laboratory of San Bernardino

General Physical Analyses

Apparent Color SM 2120B 7.5 Color Units 04/01/15 04/01/151514421

Analyte NOT DETECTED at or above the reporting limit



03 April 2015 Clinical Lab No.: 15C1516

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

Project Name: Standard Analysis

Sub Project: CWPF Weekly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 03/18/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

testes



Lomita, City ofProjectStandard AnalysisWork Order:15C151624373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:03/18/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:04/03/15

Filter Effluent Site (Chloramine) #3		15C1516-0	01 (Water)		Sample Da	te: 03/18/15	5 11:30 Sa	mpler: ES	SD
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
General Physical Analyses									
Apparent Color	SM 2120B	ND	3.0	15	Color Units	03/19/15	03/19/15	1512508	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	03/24/15	03/24/15	1513071	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	03/24/15	03/24/15	1513071	
Reservoir Effluent Site #5		15C1516-0	02 (Water)		Sample Da	te: 03/18/15	5 11:35 Sa i	mpler: ES	SD
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	670	5.0	1000	mg/L	03/19/15	03/23/15	1512455	
ND Analyte NOT DETECTED at or above	ve the reporting limi	t							



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 04/03/15 08:38 Received Date: 03/19/15 12:42 Turnaround Time: 5 workdays

Phones: (909) 825-7693 **Fax:** (909) 825-7696

P.O. #:

Project: 15C1516

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 3/19/2015 with the Chain of Custody document. The samples were received in good condition, at 3.9 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5C19038-01	Sample	ID: I	Reservoir E	ffluent Site	#5 / 15	C1516-02			Ma	atrix: Water
Sampled by: Client	Sampled	I: 03/18/	15 11:35							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.54		0.010	ma/l	1	RSK-175	3/27/15	3/27/15 15:41	W5C1715	



Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5C1715-BLK1)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 15:09	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5C1715-BS1)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 15:31	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.181		mg/l	0.198	92	85-115		
Calibration Check (W5C1715-CCV1)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 15:20	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00724		mg/l	0.00792	91	50-150		
Calibration Check (W5C1715-CCV2)					Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 14:58	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.201		mg/l	0.198	101	85-115		
Duplicate (W5C1715-DUP1)	S	ource: 5C26031	-01		Prepared: 03	/27/15 Ana	alyzed: 03/27	7/15 16:03	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit





Notes:

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

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

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

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

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

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

Authorized Signature

Contact: Brandon Gee (Project Manager)









ELAP # 1132 LACSD # 10143 NELAC # 04229CA

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

Flags for Data Qualifiers:

ND NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method

Detection Limit (MDL).

Sub Subcontracted analysis, original report enclosed.

DL Method Detection Limit
RL Method Reporting Limit
MDA Minimum Detectable Activity

NR Not Reportable

5C19038 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino

15C1516

5019038

Date / Time

SENDING LABORATORY:	RECEIVING LABORATORY:
Clinical Laboratory of San Bernardino	Weck Lab, Analytical & Environmental
21881 Barton Road	Analytical & Environmental Svc 14859 E Clark Ave
Grand Terrace, CA 92313	Industry, CA 91745
Phone: 909.825.7693	Phone :(626) 336-2139
Fax: 909.825.7696	Fax: (626) 336-2634
Project Manager: Stu Styles	rax. (020) 330-2034
Please email results to Project Manager: Stu Styles [] glaubig@clinical-lab.com [] glenney@clinical-lab.com [√styles@clinical-lab.com
California EDT transfer those samples with PS codes prov Transfer File requested; log in with Element ID only UCMR 3 CDX Transfer	ided [] Yes [\ No [] Yes [] No [] Yes [\ No
Turn Around Time [] 10 Days [5 Days [] Other _ Subcontract Comments:	
Analysis	Comments
Sample ID: Reservoir Effluent Site #5 / 15C1516-02 Samp	led: 03/18/15 11:35 PS Code:
Water	
	UCMR ID:
Methane RSK175	Report in mg/L
Containers Supplied:	
40ml Amber Vial (A) 40ml Amber Vial (B)	
R1 No 03/19/15 10:15	1. 11.
	Chris 1 3-19-15/10:50
Released By Date / Time	Received By Date Time James Time 3 1915 1242 3.94
Chris las 3-19-15/12:47	Jamanner 3 halls 1242 3.94

15015/4 Chain of Custody

Clinical Laboratory of San Bernardino, Inc.

100			City of I omita	0	M cm ch.	- dans		A S		71.000	1000				
			Cuy of Lomun	Ś		System Number		Alidiysis		naisanhau	asier-	_ [1	ł	
Address	35	24	24373 Walnut Avenue		101	1010072								N	
			Lomita, CA 91717		2	200								/let	
Phone #	#		(310) 325-9830	Ď	estinatic	Destination Laboratory	ory		10		Pho			han	
Fax#			(310) 325-3627	d	(] Clinic	[X] Clinical Laboratory	ory				sph			e (A	
Project	-	•	Standard Analysis		CDWR (CDWR Compliance	9				oru	С		4IR	
Sub Droipet	+ voio.	Curpe u	CWPE Wooth Countinues Analysis			YES	r	ron	gan	olve	ıs- T	olor		(A	
oup ri	ojeci.	Curr	eeniy CompilanceAnaiysis		E	ELAP#					ota			ST	
Comments	ents				7	000					l as			Μſ	
Sampled by	ed by	7	ESD			0001					P		K17:)194	
Date	Time		Sample Idenitification	Matrix	Type	Preserv	Total Chlorine							6)	Comments / P.S. Codes
			Raw Water Site #1	DW	1W	HCL			-					<u> </u>	W13-005
		,	Raw Water Site #1	DW	1W	N/A								<u> </u>	W13-005
3-18-15	1130	' Filter Ef	Filter Effluent Site (Chloramine) #3 2	DW	1W	N/A		×	×			X		7	E13-005A
			,												
3-18-15	1132	Re	Reservoir Effluent Site #5 (1)	DW	1W	N/A			\ 	X .					
3-18-15	1135	Res	Reservoir Effluent Site #5 (こ)	DW	1W	HCL							X		
3-18-15	1135														
			Zone #2 Site #6	DW	1W	N/A									7117 100 0 1 100 0
								\dashv	\dashv		_			\dashv	
Preserv	atives: (1	1) Na ₂ S ₂ O ₂ (2)	Preservatives: (1) Na.S.O. (2) HCI (3) HNO3 (4) NH4CI		Matrix:	DW-Drink	ina Water. V		aste V	Vater.	- RW-Si	orm V	Vater.		Matrix: DW-Drinking Water. WW-Waste Water. SW-Storm Water. Ground Water. A-Air
(2)	H2SO4 ((6) Na2SO3 (7	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:			Type- 1	Type- 1-Routine, 2	2-Repeat,	at, 3-F	3-Replacement, 4-Special	ment	4-Sp	ecial	M-W	W-Well D- Dist.
Retin	quished	Rehinquished By (Sign)	Print Name / Company	•		Date / Time	Time		7	Reper	ed By	ęd By (Sign)	'n		Print Name / Company
10	A	Į	Edward Duling.	/	18/18		07.7		X	R		ı			Thean Use
	D 33		City of Lomita		T	212	4130		H		A		\bigvee		Or World GA
Sommen (Jen F	ξ	STONOBONO F		, G	5	Samples received: (Tex	eceiv	ië. Teim	\mathcal{X}	n ice	\sum_{i}	Intact) F (() Custódy seals) C
Shipped Via	Via		[] Fed X [] Golden State	[] UPS	l Sd.] Client	[] Other					-			Page_1_ of_1_

16.90

"Your Water and Wastewater Analysis Solution"



20 March 2015 Clinical Lab No.: 15C0949

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

Project Name: Standard Analysis

Sub Project: CWPF Weekly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 03/11/15. Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

testes



Lomita, City ofProject:Standard AnalysisWork Order:15C094924373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:03/11/15 16:15Lomita CA, 91717Project Manager:Mark AndersenReported:03/20/15

Filter Effluent Site (Chloramine) #3		15C0949-	01 (Water)		Sample Date	e: 03/11/15	5 11:39 S a	ampler: Ed	ward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Physical Analyses									
Apparent Color	SM 2120B	ND	Color Units	3.0	15	03/13/15	03/13/15	1511576	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	ug/L	100	300	03/17/15	03/17/15	1512096	
Manganese (Mn)	EPA 200.7	ND	ug/L	20	50	03/17/15	03/17/15	1512096	
Reservoir Effluent Site #5		15C0949-	02 (Water)		Sample Date	e: 03/11/15	5 10:06 Sa	ampler: Ed	ward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	680	mg/L	5.0	1000	03/12/15	03/16/15	1511408	
ND Analyte NOT DETECTED at or above	e the reporting limi	it							



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 03/18/15 10:01 Received Date: 03/12/15 12:30 Turnaround Time: 5 workdays

Phones: (909) 825-7693 **Fax:** (909) 825-7696

P.O. #:

Project: 15C0949

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 3/12/2015 with the Chain of Custody document. The samples were received in good condition, at 4.1 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5C12046-01	Sample	ID:	Reservoir E	ffluent Site	#5 / 15	C0949-01			Ma	atrix: Water
Sampled by: Client	Sampled	i: 03/11/	15 10:06							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.49		0.010	ma/l	1	RSK-175	3/15/15	3/15/15 12:50	W5C0920	





Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5C0920-BLK1)					Prepared: 03	/15/15 An	alyzed: 03/1!	5/15 12:18	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5C0920-BS1)					Prepared: 03	/15/15 An	alyzed: 03/1!	5/15 12:40	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.196		mg/l	0.198	99	85-115		
Calibration Check (W5C0920-CCV1)					Prepared: 03	/15/15 An	alyzed: 03/1!	5/15 12:29	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00731		mg/l	0.00792	92	50-150		
Calibration Check (W5C0920-CCV2)					Prepared: 03	/15/15 An	alyzed: 03/1!	5/15 12:07	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.208		mg/l	0.198	105	85-115		
Duplicate (W5C0920-DUP1)	S	ource: 5C12046	5-01		Prepared: 03	/15/15 An	alyzed: 03/1!	5/15 13:01	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane	0.494	0.496		mg/l				0.3	20

5C12046 Page 2 of 3





Notes:

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

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

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

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

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

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

Authorized Signature

Contact: Brandon Gee (Project Manager)









ELAP # 1132 LACSD # 10143 NELAC # 04229CA

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

Flags for Data Qualifiers:

ND NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method

Detection Limit (MDL).

Subcontracted analysis, original report enclosed. Sub

DL Method Detection Limit RL Method Reporting Limit MDA Minimum Detectable Activity

NR Not Reportable

5C12046 Page 3 of 3

Č	Iinicc	Clinical Laboratory of San Bernardino, Inc.	ino, In	1С.						7	\mathcal{S}'	(Scould	D	$\varnothing/\varnothing/3$ Chain of Custody
Client		City of Lomita	Sy	stem N	System Number		Ana	Analysis	Requested	Jeste	9	*.		
Address	Ş	24373 Walnut Avenue		191	1910073							M	М	
		Lomita, CA 91717										1etl	eth	
Phone #	#	(310) 325-9830	D	estinatio	Destination Laboratory	tory						han	an	
Fax#		(310) 325-3627]	X] Clinic	[X] Clinical Laboratory	ory						e (V	e (A	
Project		Standard Analysis		CDWR (CDWR Compliance	e	I					VA'	۹IR	
Sub Project	oject	CWPF Weekly Compliance Analysis			YES	o	ron	gane	- Ort	s- To	olor _	TER _.) (AS	
Comments	ants				ELAP#						_	(R	TM	
Sampled by	yd by	Edward Duvivier		_	1088							SK17	D19	
Date	Time	ple	Matrix	Туре	Preserv	Total					.,,	(5)	46)	Comments / P.S. Codes
		Raw Water Site #1	DW	WI	HCL			\vdash		╁	ļ	ļ		W13-005
		Raw Water Site #1	DW	W1	N/N					 	ļ			W13-005
3-11-12	1139	7 Filter Effluent Site (Chloramine) #3 (2)	DW	MI	N/A		×	X			X			E13-005A
									\dashv		_			
										\dashv	\dashv			
		ľ							+	+	4			
3-1-12	1005	Reservoir Effluent Site #5 (3)	DW	<u>₩</u>	N/N				×	-	4			
3-11-K	1006	Reservoir Effluent Site #5	DW	1 W	IICI,				\dashv		\dashv	×		
									\dashv	+	_	4		
		Zone #2 Site #6	DW	<u>₹</u>	K/Z				-		_	_		
										+	+	\perp		
Preserva	tives: (1	Preservatives: (1) Na.S.O. (2) HCI (3) HNO3 (4) NH4CI		Matrix:	DW-Drink	ing Water,	-WW	Vaste	Water	-\w.	Storn	Wafe	SW.	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, A-Air
(2)	H2SO4 ((5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:			Type- 1	1-Routine,	2-Repeat,	eat, 3-	3-Replacement,	ceme	nt, 4-5	4-Special	/-W	W-Well D- Dist.
Religio	quished	Relinquished By (Sign) Print Name / Company	V		Date / I	Time			Rege	red	enyed By (Sign)	(ug		Print Name / Company
(1/5)		Edward D. Vivior		·/-	- (.	1135		1		1	,			51,000 /CUB
0		City of Lomita		3.11	\$1.11.	4.15	_	A	H	\mathcal{D}	7	N		W Parke CT.
Conments	ents:	J. Muello (USB			<u></u>	Samples received:	cceiv	Temp Temp	Ħ =	Sn ise	%) ·	產三	Antact (()
Shipped Via	Via	[] Fed X] Golden State	I I UPS	/PS	Client	[] Other								Page_1_ of_1_

"Your Water and Wastewater Analysis Solution"



16 March 2015 Clinical Lab No.: 15C0443

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

Project Name: Standard Analysis

Sub Project: CWPF Monthly Compliance Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 03/04/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

testes



Lomita, City ofProjectStandard AnalysisWork Order:15C044324373 Walnut AvenueSub Project:CWPF Monthly Compliance AnalysisReceived:03/04/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:03/16/15

Raw Water Site #1		15C0443-0	01 (Water)		Sample Da	te: 03/04/15	10:45 Sa	mpler: Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier
General Chemical Analyses								
Total Filterable Residue/TDS	SM 2540C	700	5.0	1000	mg/L	03/05/15	03/09/15	1510454
Reservoir Effluent Site #5		15C0443-0	03 (Water)		Sample Da	te: 03/04/15	10:53 Sa	mpler: Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier
General Physical Analyses								
Apparent Color	SM 2120B	ND	3.0	15	Color Units	03/04/15	03/04/15	1510528
Odor Threshold	EPA 140.1M	1	1	3	TON	03/04/15	03/04/15	1510528
General Chemical Analyses								
Total Filterable Residue/TDS	SM 2540C	580	5.0	1000	mg/L	03/06/15	03/09/15	1510566
ND Analyte NOT DETECTED at or al	ove the reporting limit							



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 03/12/15 15:08 Received Date: 03/05/15 13:25 Turnaround Time: 5 workdays

Phones: (909) 825-7693 **Fax:** (909) 825-7696

P.O. #:

Attn: John Styles

Project: 15C0443

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 3/5/2015 with the Chain of Custody document. The samples were received in good condition, at 5.4 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5C05038-01 Sampled by: Client	Sample II Sampled:		Raw Water /15 10:45	Site #1/150	0443-01				Ма	atrix: Water
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	2.4		0.050	mg/l	5	RSK-175	3/10/15	3/10/15 15:20	W5C0577	M-05
Lab Sample ID: 5C05038-02	Sample II	 D:	Reservoir E	ffluent Site	#5/15C	0443-03			Ma	atrix: Water
Sampled by: Client	Sampled	: 03/04	/15 10:53							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane										



Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5C0577-BLK1)					Prepared: 03/	10/15 Ana	lyzed: 03/10)/15 14:27	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5C0577-BS1)					Prepared: 03/	10/15 Ana	alyzed: 03/10)/15 14:48	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.196		mg/l	0.198	99	85-115		
Calibration Check (W5C0577-CCV1)					Prepared: 03/	10/15 Ana	alyzed: 03/10)/15 14:38	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00744		mg/l	0.00792	94	0-200		
Calibration Check (W5C0577-CCV2)					Prepared: 03/	10/15 Ana	alyzed: 03/10)/15 14:16	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.221		mg/l	0.198	112	0-200		
Duplicate (W5C0577-DUP1)	s	ource: 5C05038	3-02		Prepared: 03/	10/15 Ana	alyzed: 03/10)/15 15:10	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit

5C05038 Page 2 of 3



Notes:

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

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

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

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services. The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).

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

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

Authorized Signature

Contact: Brandon Gee (Project Manager)









ELAP # 1132 LACSD # 10143 NELAC # 04229CA

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

Flags for Data Qualifiers:

M-05 Due to the nature of matrix interferences, sample was diluted prior to analysis. The MDL and MRL were raised due to the

dilution.

ND NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method

Detection Limit (MDL).

Sub Subcontracted analysis, original report enclosed.

DL Method Detection Limit
RL Method Reporting Limit
MDA Minimum Detectable Activity

NR Not Reportable

5C05038 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino

15C0443

5C05038

SENDING LABORATORY:	RECEIVING LABORAT	ORY:	
Clinical Laboratory of San Bernardino	Weck Lab, Analytical &	Environmental	
21881 Barton Road	Analytical & Environme	ntal Svc 14859 E Clark Ave	
Grand Terrace, CA 92313	Industry, CA 91745		
Phone: 909.825.7693	Phone :(626) 336-2139		
Fax: 909.825.7696	Fax: (626) 336-2634		
Project Manager: Stu Styles			
Please email results to Project Manager: Stu Styles [] glaubig@clinical-lab.com [] glenney@clinical-lab.co	om [v] styles@clinical-lab.com	1	
California EDT transfer those samples with PS codes Transfer File requested; log in with Element ID only UCMR 3 CDX Transfer			
Turn Around Time [] 10 Days [√ 5 Days [] O Subcontract Comments:	other Days		
Analysis		Comments	
Sample ID: Raw Water Site #1 / 15C0443-01	Sampled: 03/04/15 10:45 PS Cod Water	e: WTX ID: UCMR ID:	
Methane RSK175			
Containers Supplied:			
40mL Amber Vial w/ Na2s 40mL Amber Vial w/ Na2s			
Sample ID: Reservoir Effluent Site #5 / I5C0443-03	Sampled: 03/04/15 10:53 PS Cod Water	e: WTX ID: UCMR ID:	
Methane RSK175		Report in mg/L	
Containers Supplied:			
40ml Amber Vial (B) 40ml Amber Vial (C)			
		54	
	M -	,	
131 Dex 3/5/15 11/16	Chris MI	3-5-/5/11:25 Date / Time	
3/5/15 11/16 Released By Date / Time	Received By	Date / Time	
Chair 16 3-5-15/ 1:25	ht. D	3/5/6 152	^
Released By Date / Time	Received By	Date / Time	

B/I/6 Chain of Custody

Clinical Laboratory of San Bernardino, Inc. 15C 0443

Client		City of Lomita	Sys	System Number	umber		Analysis		Requested	٦			
Address	S	24373 Walnut Avenue		707	0010		-						
		Lomita, CA 91717		187	9100 <i>i</i> 3							Me	
Phone #	#	(310) 325-9830	ă	estinatio	Destination Laboratory	tory			-			tthar	
Fax#		(310) 325-3627		(] Clinic	[X] Clinical Laboratory	tory		tal				ne (
Project		Standard Analysis		CDHP C	CDHP Compliance	9	tal I	Diss	ioru hate	olor		AIR	
Sub Project	piect	On Hooth Compliance		(YES			olve				(A)	
	3006	in the state of th		핍	ELAP#			ed S				AST	
Comments	∍nts	7		, ,	000			Solic				 `M]	
Sampled by	d by	E. Wash Dyvin.			1088					_	K17	D194	
Date	Time	Sample Idenitification	Matrix	Type	Preserv	Total						16)	
									-				Т
3-4-15	1027	Raw Water Site #1	DW	W.I	N/A			×					Т
√ 7-1 €	104.5	Raw Water Site #1 2	DW		2,7						×		T
												•	T
		Reservoir Influent Site #4	DW	1W	N/A								T
				-							\vdash		
51-4-5	2201	Zone #2 Site #6	DW	=	N/A			X					T
シェートン	1052	Reservoir Effluent Site #5	DW	£	N/A					X			Г
31-12	1057	Reservoir Effluent Site #5 2	DW		2,7						×		\top
37-15	10\$1	Person - Fifther Stoff (1)	<u>}</u>	4	~			×				Shared Containing	T
		Reservoir Headspace Level (a)	Air	<u>×</u>	N/A								T
Preservatives:	ives: (1	(1) Na ₂ S ₂ O ₃ (2) HCi (3) HNO ₃ (4) NH4Ci		Matrix: 1	DW-Drink	ing Water, V	WW-Was	te Wate	r. SW.S	torm V	Vater	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, 4-Air	
(2)	H2SO4 ((7) Cold (8) Other			Type- 1	Type- 1-Routine, 2-	2-Repeat, 3-Replacement, 4-Special	3-Repla	эсетеп	t, 4-Sp	ecial V	W-Well D- Dist.	
Reling	uished 1	Relinquished By (Sign) Print Name / Company	_		Date / Time			Receiv	zived B	By (Sign)		Print Name / Company	Т
ا ان ان	1/1/1	Following DelVices	(7-7	7- 701	501 51	<u> </u>	K		3		5. W. 26 0.CS B	\top
4	7			۲,	/ S) · h·	4:30		Z	6	7	X		T
Comments	States States	m J. McGa) CUB)	9 1	Samples received: Ter	eceived T	E D	On ice 14.0	() () () () () () () () () () () () () (Intact		
Shipped Via	'ia	Fed X Golden State	I UPS	l Sa	Client	Other						Page_1_ of_1_	\top
													1

"Your Water and Wastewater Analysis Solution"

Clinical Laboratory of San Bernardino, Inc.



16 March 2015 Clinical Lab No.: 15C0991

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

Project Name:

Standard Analysis

Sub Project:

Enclosed are the results of the analyses for samples received at the laboratory on 03/11/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

testes

Clinical Laboratory of San Bernardino, Inc.



Lomita, City ofProject:Standard AnalysisWork Order:15C099124373 Walnut AvenueSub Project:Received:03/11/15 16:15Lomita CA, 91717Project Manager:Mark AndersenReported:03/16/15

Zone 2 Site #6		15C0991-0	01 (Water)		Sample Date	e: 03/06/1	5 12:45 S	ampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	Units	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	610	5.0	mg/L	1000	03/12/15	03/16/15	1511408	3
ND Analyte NOT DETECTED at or above	ve the reporting limit								

Clinical Laboratory of San Bernardino, Inc.



13 March 2015 Clinical Lab No.: 15C0438

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

Project Name: Standard Analysis

Sub Project: CWTP Non-Comp Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 03/04/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

testes

Clinical Laboratory of San Bernardino, Inc.



Lomita, City ofProjectStandard AnalysisWork Order:15C043824373 Walnut AvenueSub Project:CWTP Non-Comp AnalysisReceived:03/04/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:03/13/15

Reservoir Effluent Site #5		15C0438-0	1 (Water)		Sample Date:	03/04/15	10:51	Sampler:	Edward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Hardness, Total (as CaCO3)	Calculated	300	mg/L	6.6		03/11/15	03/11/15	[CALC]	1
Ortho-Phosphate (as P)	HACH 8048	0.17	mg/L	0.0067		03/05/15	03/05/15	1510541	
Phosphorus (Total as P)	HACH 8190	0.68	mg/L	0.0067		03/05/15	03/05/15	1510572	2
<u>Metals</u>									
Calcium (Ca)	EPA 200.7	77	mg/L	1.0		03/11/15	03/11/15	1511284	Į.
Magnesium (Mg)	EPA 200.7	26	mg/L	1.0		03/11/15	03/11/15	1511284	Į.
ND Analyte NOT DETECTED at or a	above the reporting limit								

1500938

Print Name / Company Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, W-Well D- Dist. Showed Rollie Chain of Custody Comments () Custody seals W Andsy CCO Page_I_of_I J. LINCERO Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special Intact ₹ ± (Apreired By (Sign) Analysis Requested Kruszo191V Samples received: () On ice Temp__ To fal 1160 Other Chlorine Date / Time Destination Laboratory [X] Clinical Laboratory CDHP Compliance System Number 1910073 YES No Clinical Laboratory of San Bernardino, Inc. Chlorine | | Client ELAP# Mo - 1 - 1 1088 3.4.15 Preserv SUD Matrix 3 Educal Airvis C. Milale Print Name / Company CUSB | | Golden State 1-14 Fall Divivion CWTP Non-Complaine 24373 Walnut Avenue Sample Idenitification FIFTHER Preservatives: (1) Na₂S₂O₃ (2) HCI (3) HNO₃ (4) NH4CI Lomita, CA 91717 J. Lucelle Standard Analysis City of Lomita (310) 325-9830 (310) 325-3627 (5) H2SO4 (6) Na2SO3 (7) Cold (8) Other: Arelysis | | Fed X Reserveir Relinquished By (Sign) Time 15.21 **Sub Project** Sampled by Comments Shipped Via Address Phone # Project 7.4-15 Client Date Fax#



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov

CA State DPH Certificate #1430 County Sanitation ID #10240



Chief Deputy

March 11, 2015

Ulises Escalona City of Lomita 24300 Narbonne Ave. Lomita, CA 90717

RE: Workorder: E1500574 Lomita Weekly SP3 RUSH

Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, March 04, 2015. Results reported herein conform to the most current ELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me at (562)622-0437.

Sincerely,

Thant Zin Win

Chief

Enclosures

Note: All results have no blank correction unless otherwise specified

Report ID: 23108 - 724411 Page 1 of 4



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



Chief Deputy

SAMPLE SUMMARY

Workorder: E1500574 Lomita Weekly SP3 RUSH

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500574001	E13-005A	E13-005A - 26122 Cypress St., (SP3)	Drinking Water	3/4/2015 13:37	3/4/2015 16:00

Collector: Edward DuVivier

Report ID: 23108 - 724411 Page 2 of 4



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



Richard K. Iizuka Chief Deputy

ANALYTICAL RESULTS

Workorder: E1500574 Lomita Weekly SP3 RUSH

Lab ID: E1500574001 Date Received: 3/4/2015 16:00 Matrix: **Drinking Water**

Date Collected: 3/4/2015 13:37 Sample ID: E13-005A

System Number: 1910073-006 Purpose: Routine

System Name:		Sample Type:	Source					
Parameters	Results Units	Report Limit	MDL	DF	Analyzed	Ву	Qual	MCL
METALS, DISSOLVED								
Analysis Desc: EPA 200.8, Dissolved	Analytical Method	: EPA 200.8, Dissolved	ĺ					
Iron	ND ug/L	100		1	3/10/2015 11:42	GS		240
Manganese	ND ug/L	20.0		1	3/10/2015 11:42	GS		40
WETCHEMISTRY								
Analysis Desc: SM 2120B	Analytical Method	: SM 2120B						
Color	5 Unit	5.00		1	3/5/2015 13:35	LS		

Report ID: 23108 - 724411 Page 3 of 4 Page: of

ENVIRONMENTAL TOXICOLOGY BUREAU Agricultural Commissioner/Weights & Measures County of Los Angeles

11012 Garfield Avenue, Bldg B, South Gate, CA 90280 Fax# (562)622-0440 Phone# (562)622-0437

Profile# 2201 - 3rd, 4th & 5th Week · RUSH CHAIN-OF-CUSTODY RECORD

MO#C/JOSOFH MO#C/JOSOFH employee, please report it to the County Fraud Hotline at 1-800-544-6861 or www.laccountyfraud.org. You LAB NUMBER If you suspect fraud or wrongdoing by a County TURN AROUND TIME 18 ☐ SPECIAL RUSH C REGULAR O OTHER. PRESERVATIVE # OF BOTTLES / 1 REC. TEMP 'C / PH 3" 4" & 5" Week Non-Rush 22.8 Ha of f:Her ANALYSES REQUESTED 16:00 SEALED, YES (NO) SEALED, YES CO. DE: (6) / NO TOE ON / NO 3-4-15 Color × the state of Brian Fc, Mn × Hrs. 26112 Cypress St. (After static mixer; before reservoir entry – SP3) □ EDT REPORT ADDRESS 900 S. Fremont Ave., Alhambra, CA 91803 COMPANY NAME: L.A. County Public Work-Waterworks 3152533 LOCATIONS @/ sa. Miles + 3-4-15 1337 SEALED: YES / NO PROJECT NAME: LOMITA - WEEKLY - SP3 CN / 58X 3-4-15 ICE. 60 / NO K SEALED; 1083 F PHONE #/E-MAIL: (626)300-3306 TIME Aguaya 3 Duvivie - low 3/4/15 SAMPLERS NAME / SIGNATURE: DATE Brian C.H. . Elvera SAMPLEID E13-005A PRINT NAME:

082213



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov

CA State DPH Certificate #1430 County Sanitation ID #10240



Richard K. Iizuka Chief Deputy

March 5, 2015

Ulises Escalona City of Lomita 24300 Narbonne Ave. Lomita, CA 90717

RE: Workorder: E1500585 Dist S13-Lomita Bacti Well

Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, March 04, 2015. Results reported herein conform to the most current ELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me at (562)622-0437.

Sincerely,

Thant Zin Win

Chief

Enclosures

Note: All results have no blank correction unless otherwise specified

Report ID: 23119 - 722581 Page 1 of 5



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov

SAMPLE SUMMARY



Workorder: E1500585 Dist S13-Lomita Bacti Well

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500585001	W13-005	W13-005 - 26112 Cypress St., (SP1)	Drinking Water	3/4/2015 13:35	3/4/2015 16:00

Collector: Edward DuVivier

Report ID: 23119 - 722581 Page 2 of 5



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



ANALYTICAL RESULTS

Workorder: E1500585 Dist S13-Lomita Bacti Well

Lab ID: E1500585001 Date Received: 3/4/2015 16:00 Matrix: Drinking Water

Sample ID: W13-005 Date Collected: 3/4/2015 13:35

System Number: 1910073-003 Purpose: Routine
System Name: Lomita Well Bacti/SP1 Sample Type: Source

Parameters Results Units Report Limit MDL DF Analyzed By Qual MCL

MICROBIOLOGY

Analysis Desc: SM 9223 COLILERT 18 Analytical Method: SM 9223 COLILERT 18

 Fecal Coliform
 ABSENT
 1
 3/4/2015 16:10
 CG

 Total Coliform
 ABSENT
 1
 3/4/2015 16:10
 CG

Report ID: 23119 - 722581 Page 3 of 5

County of Los Angeles Agricultural Commissioner/Weights and Measures ENVIRONMENTAL TOXICOLOGY BUREAU

11012 GARFIELD AVE., BLDG, B, SOUTH GATE, CA. 90280 TEL# (562)622-0437 FAX# (562)622-0440

BACTERIOLOGICAL TEST FOR DRINKING WATER

(T)	Cample Tu			_	/D)	D				
2-Dist	Sample Typ 1-Source ribution Sy		A-Roi I	itine)-Repla	В	-Rec	pose heck 1	C-Specia E-Others	al	
Lab ID#	Smp_ID#	Time Collection		Cl ppm	T	P	Temp ⁰ C	Total Coliform/ Colifert/8	Fecal Coliform	HPC cfu/mL
- 001	W13-005	13:35	26112 Cypress St. (Well Head) (SP1)	\times	1	С	76	ABSENI	ABSENT	\geq
ei-Up Time:	- IN	lects Holding Time	(24 hrs.): Set-Up By:	l les	ad Time			Read By:		
16.	10	/ses	AWWA AND WEE Method 9363			10	:10		09	
Date Collec Date Starte	ted: 3/		Date/Tir Date Co	ne Rece	ived	1: <u>3</u>	14/15	11600	By:	4

Page: | of |

Profile# 2039 ENVIRONMENTAL TOXICOLOGY BUREAU Agricultural Commissioner/Weights & Measures

County of Los Angeles



11012 Garfield Avenue, Bldg B, South Gate, CA 90280 Phone# (562)622-0437 Fax# (562)622-0440

CHAIN-OF-CUSTODY RECORD

WO#EIS GOSBS					LAB NUMBER	180-									TURN AROUND TIME	KEGULAR	отнея:	If you suspect fraud or wrongdoing by a County	the County Fraud Hotline at 1-800-544-6861 or www.lacountyfraud.org. You	may remain anonymous.
M	(s		EVATI											_	2 .	*	Ū.	If ye	the party	may
1		7		REC. TI # OF BO		20		7	7	7	7	7	1	7	C					
TX.						8									003					
G)											1 1 1				KEMAKKS PS code: 1910073-003					
VUESTE												-			code: 1					
ES REC															CC PS COC		2	99		
ANALYSES REQUESTED															AR S	SAMPLE CONDITION:	STALED: YES (NO	影	ICE: (VES) / NO)
A	H									H					3-4-15	SAMPLE CONDI	SEALS	2/4 5/4	SEALED	
										E	Ē				1				¥	ı
12			(a)S	Bacii (A											TOKE:				DICHELPY !	7
			1		1	^					Hrs.				Z KELINQUISHED SICHATOR	Brian	71	Buch		
LOMITA	rwork	CA 91803		☐ EDT REPORT	SN						H	150051			METRODI	PRINT NAME. BY	COMPANY:	RECEIVE SIG	COMPANY	
-LON	-Wate	1			LOCATIONS	SP1)					Miles +	O.			27	ii.	W	33	W (N))
Bacti.	Work	lhamb			D	Well Head (SP	7				M	**			3-4-15 I	SAMPLE CONDITION ICE VES / NO	SEALED YES /	3-4-15/13	ITES (PES)/ NO	and a contract of the contract
p Well	Public	.ve. , A	90	١.,	Æ															Ì
ly Sup	ounty	nont A	100-33	E N	TIME	3/4/5 13:35										5	Lomite	h	America	
Month	L.A. (S. Frer	(979)	SIGNATU	DATE	3/4/								Ĭ,	1	Duvivie	- V			1
PROJECT NAME: Monthly Supp Well Bacti -	COMPANY NAME: L.A. County Public Work-Waterworks	ADDRESS: 900 S. Fremont Ave., Alhambra,	PHONE # JEMAIL: (626)300-3306	SAMPLERS NAME/SIGNATURE	SAMPLEID	W13-005									Comments of the	PRINT NAME:	COMPANY: 54	RECEIVE SIGNATURE	Brian Company	に



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov

CA State DPH Certificate #1430 County Sanitation ID #10240



Richard K. Iizuka Chief Deputy

April 7, 2015

Ulises Escalona City of Lomita 24300 Narbonne Ave. Lomita, CA 90717

RE: Workorder: E1500577 Lomita Monthly SP1

Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, March 04, 2015. Results reported herein conform to the most current ELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me at (562)622-0437.

Sincerely,

Thant Zin Win

Chief

Enclosures

Note: All results have no blank correction unless otherwise specified

Report ID: 23111 - 731559 Page 1 of 4



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



SAMPLE SUMMARY

Workorder: E1500577 Lomita Monthly SP1

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500577001	W13-005	W13-005 - 26112 Cypress St., (SP1)	Drinking Water	3/4/2015 13:35	3/4/2015 16:00

Collector: DuVivier, Eward

Report ID: 23111 - 731559 Page 2 of 4



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



Richard K. Iizuka Chief Deputy

ANALYTICAL RESULTS

Workorder: E1500577 Lomita Monthly SP1

E1500577001 Date Received: 3/4/2015 16:00 Matrix: **Drinking Water** Lab ID:

Date Collected: 3/4/2015 13:35 Sample ID: W13-005

System Number: Purpose: System Name:

Sample Type: **Parameters** Results Units Report Limit MDL DF Analyzed Ву Qual MCL **METALS, DISSOLVED** Analysis Desc: EPA 200.8, Dissolved Analytical Method: EPA 200.8, Dissolved 179 ug/L 3/10/2015 11:47 GS 240 1 Manganese 83.1 ug/L 20.0 1 3/10/2015 11:47 GS 40 WETCHEMISTRY Analysis Desc: EPA 300.0 Analytical Method: EPA 300.0 Nitrate ND mg/L 2.00 0.200 3/6/2015 14:06 RZ 1 ND mg/L Nitrate-N 0.450 0.0500 1 3/6/2015 14:06 RZ Analysis Desc: SM 2120B Analytical Method: SM 2120B Color 10 Unit 5.00 1 3/5/2015 13:35 LS

Report ID: 23111 - 731559 Page 3 of 4



County of Los Angeles
Agricultural Commissioner/Weights & Measures
ENVIRONMENTAL TOXICOLOGY BUREAU
11012 Garfield Avenue, Bldg B, South Gate, CA 90280
Phone# (562)622-0437 Fax# (562)622-0440

PROFILE# 2201

The state of the s

CHAIN-OF-CUSTODY RECORD

PROJECT NAME: LOMITA -	LOMITA - MONTHLY - SP1	Ž.		ANALYSES REQUESTED		wo#6	WO#61500513
COMPANY NAME: LAC-PW-WW	W						
AUDRESS			- 19			LIVE	
PHONE # / E-MAIL:			N-EON			PERVA	
SAMPLERS SIGNATURE:	EDT REPORT	Fe, M	Color		TEMP	ьвег	
SAMPLE ID DATE TIME	E TOCATIONS					-	LAB NUMBER
W13-005 3/4/5 13:35	S 26112 Cypress St. (SP1)	`	>		2		- 001
	Miles + Hrs.						
	A Combine mileage/lime with & 1562 576	965					
Na Sentant	DATE / TIME	SIGNATURE	1			SAMPLE MATRIX:	ATRIX:
PRINT WHEN COMPANY CITY OF LAWY, VIEW	PRINT NAME:	18 5	N.	SANEE CONTITION: 105: (AS) NO SENEE: NE (AS) NO SENEE: NE (AS) NO SENEE: NE (AS)	-003	D WW	
RECEIVE SIGNATURE: PRINT NAME: COMPANY: ETT.			1 3 6	DATE / TIME 24 (4) S. 1000 100: (2) 100 SEALED: 188 / (6)		TURN AROUND TURN AROUND TURNSH CI SPECIALRUSH CI REGULAR CI OTHER:	TURN AROUND TIME: SPECIAL RUSH REGULAR OREGULAR



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov

CA State DPH Certificate #1430 County Sanitation ID #10240



Chief Deputy

March 9, 2015

Ulises Escalona City of Lomita 24300 Narbonne Ave. Lomita, CA 90717

RE: Workorder: E1500584 Dist S13-Lomita Bacti

Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, March 04, 2015. Results reported herein conform to the most current ELAP standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me at (562)622-0437.

Sincerely,

Thant Zin Win

Chief

Enclosures

Note: All results have no blank correction unless otherwise specified

Report ID: 23118 - 723021 Page 1 of 5



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



Chief Deputy

SAMPLE SUMMARY

Workorder: E1500584 Dist S13-Lomita Bacti

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500584001	E13-005C	E13-005C - 26122 Cypress St., (SP2-Combined Pressure Eff.)	Drinking Water	3/4/2015 13:36	3/4/2015 16:00

Collector: Edward DuVivier

Report ID: 23118 - 723021 Page 2 of 5



COUNTY OF LOS ANGELES

Department of Agricultural Commissioner/ Weights and Measures

Environmental Toxicology Laboratory 11012 S. Garfield Ave. South Gate, California 90280 http://acwm.lacounty.gov



Richard K. Iizuko Chief Deputy

ANALYTICAL RESULTS

Workorder: E1500584 Dist S13-Lomita Bacti

Lab ID: E1500584001 Date Received: 3/4/2015 16:00 Matrix: Drinking Water

Sample ID: **E13-005C** Date Collected: 3/4/2015 13:36

System Number: 19-073 Purpose: Special System Name: Lomita-Combined Effluent (SP2) Sample Type: Source

Parameters Results Units Report Limit MDL DF Analyzed By Qual MCL

MICROBIOLOGY

Analysis Desc: Idexx Simplate

Analytical Method: Idexx Simplate

Heterotrophic Plate Count

ND MPN/100mL

2.00

1 3/4/2015 16:05 JC

500

Analysis Desc: SM 9223 COLILERT 18 Analytical Method: SM 9223 COLILERT 18

Total Coliform ABSENT 1 3/4/2015 16:10 CG

Report ID: 23118 - 723021 Page 3 of 5



County of Los Angeles Agricultural Commissioner/Weights and Measures ENVIRONMENTAL TOXICOLOGY BUREAU

11012 GARFIELD AVE., BLDG. B, SOUTH GATE, CA. 90280 TEL# (562)622-0437 FAX# (562)622-0440

BACTERIOLOGICAL TEST FOR DRINKING WATER

	Sample Typ 1-Source	ne .	A Do	utine			pose	C Sunsi	9.	
2-Dist	ribution Sys	stem	2.7.765	uiine D-Repla			heck l	C-Speci E-Others		
Lab ID#	Smp ID#	Time Collection	Sampling Point	Cl ppm	T	P	Temp ⁰ C	Total Coliform/ Colilert 8	Fecal Coliform Colilert	HPC cfwmI
-04	E13-005C	13:36	Combined Pressure Effluent (SP2)		1	С	1°	AUSENT		<2
op Time: 16:	/ 0 10	cets Holding Time		Re	nd Time	10:,	0	Read By:	c _J	
rence: "Stand te Collec te Starte	ted:	16 ed., ЛРНА, Л 14 /15 14-15	AWWA, AND WEF. Method 9223 Date/Ti		ived	3-1	4/15	1/600 Sinperte	By:	£



11012 Garfield Avenue, Bldg B, South Gate, CA 90280 Phone# (562)622-0437 Fax# (562)622-0440 Agricultural Commissioner/Weights & Measures ENVIRONMENTAL TOXICOLOGY BUREAU County of Los Angeles

PROFILE# 2170

PROJECT NAME:		TA - M	LOMITA - MONTHLY - SPECIAL- SP2			ANALYSES REQUESTED		#OM	WO# 6'goosey
COMPANY NAME: ADDRESS:	: LAC-PW-WW	W-W	*					IAE	
PHONE # / E-MAIL:	4			molifo			C \ DH	EBAYL	
SAMPLERS SIGNATURE:	(TURE:	13	EDT REPORT	Total	НЬС			ькег	
SAMPLE ID	DATE	TIME	LOCATIONS						LAB NUMBER
E13-005C	3/4/15	13.36	26112 Cypress St. (Combined pressure filter effluent-SP2)	>	`		72		120 -
			Miles + Hrs.						
			Combine mileageltime with 61502 \$76	01 57/					
PRINT NAME:	D. where	۱ ا	3-4-17 33 6 1813 INDINSHEIN 3-4-17 33 6 1813 INDINSHEIN 3-4-17 33 6 18137 INDINSHEIN 3-4-17 3-4	NINSHEED SHEAT THE	120	DATE / THE 16 GNAVARKS 3-4-15 AF 3 3A EARLIE CONDITION.		SAMPLE X DW	SAMPLE MATRIX. A DW
COMPANY C'H 8	100	4	/ NO COMPAN	7		SEALED: YES		D OTHER:	HER:
PRINT NAME: COMPANY:	RYON AGUON	*	S-4-15 / 13 36 S-well Condition: S-well Condition: PRINTED NAM ICE. VES / NO CUMPANY	MICH	AICHOUNS	DAYE / TIME DECANOSTRUCKS SAMPLE CONTINUES OF A BOX SEALED. YES CO.		TURN AROU SPECIAL REGUL OTHER:	TURN AROUND TIME: SPECIAL RUSH R REGULAR OTHER:
1/1/1	1			U	J.				

Appendix B

Methane Monitoring Log



CITY OF LOMITA CPWF HANDHELD METHANE LOG READINGS

	CI WI I	March 20	NE LOG READINGS
Date	Time	Methane Handheld	Comments
3/1/2014			Sunday
		CH4-0%	
3/2/2014	3:15 PM	Oxy-20.7%	
2/2/2014	2.20 DM	CH4-0%	-
3/3/2014	2:30 PM	Oxy-20.9% CH4-0%	
3/4/2014	2:30 PM	Oxy-20.9%	1
3/4/2014	2.50 1 101	CH4-1%	
3/5/2014	3:30 PM	Oxy-20.8%	1
		CH4-0%	
3/6/2014	12:30 PM	Oxy-20.7%	
			Saturday
3/7/2014			,
2/0/2014			Sunday
3/8/2014		CH4-0%	
3/9/2014	2:30 PM	Oxy-20.5%	†
3/3/2014	2.50 1 101	ONY 20.370	
3/10/2014			1
		CH4-2%	
3/11/2014	2:45 PM	Oxy-20.8%	
		CH4-0%	
3/12/2014	2:15 PM	Oxy-20.7%	
			Friday - City Hall Closed
3/13/2014			,,
2/14/2014			Saturday
3/14/2014			
3/15/2014			Sunday
3/13/2014		CH4-0%	
3/16/2014	3:25 PM	Oxy-20.3%	
		CH4-0%	
3/17/2014	3:15 PM	Oxy-20.6%	
		CH4-2%	
3/18/2014	3:15 PM	Oxy-20.4%	
2/40/2044	2.45.004	CH4-0%	4
3/19/2014	3:15 PM	Oxy-20.4% CH4-0%	
3/20/2014	1:15 PM	Oxy-20.5%	+
3/20/2014	1.13 1 101	OAY 20.370	
3/21/2014			Saturday
			Sunday
3/22/2014	<u> </u>		Sunday
_	1	CH4-0%	
3/23/2014	2:00 PM	Oxy-20.5%	1
2/24/224	2.45.55	CH4-0%	4
3/24/2014	3:15 PM	Oxy-20.5%	
3/25/2014	2:45 PM	CH4-1% Oxy-20.6%	4
3/ 23/ 2014	2.73 F IVI	CH4-0%	
3/26/2014	2:00 PM	Oxy-20.5%	1
. ,	1	,	Friday City Hall Class 2
3/27/2014	<u> </u>		-Friday - City Hall Closed
			Saturday
3/28/2014			Saturday
			Sunday
3/29/2014		A U	,
2/20/2011	2.45 5: 1	CH4-0%	4
3/30/2014	2:45 PM	Oxy-20.6%	
3/31/2014	3:30 PM	CH4-0% Oxy-20.3%	
3/31/2014	3.30 F IVI	UAY-20.3/0	

ND- Non Detect

CH4- Methane

Oxy-Oxygen Weekend/Day OFF/Holiday- Red