# CITY OF LOMITA



# Cypress Water Production Facility Monthly Status Report

February 2015

#### CITY COUNCIL

HENRY SANCHEZ JR.

JIM GAZELEY

MICHAEL G. SAVIDAN

BEN TRAINA

MARK WARONEK



#### **ADMINISTRATION**

MICHAEL ROCK
CITY MANAGER

March 19, 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 (CWPF) for the period of February 1 through February 31, 2015.</u>

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 February 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 February 2015, the CWPF operated for approximately 28 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 56.55 ac-ft (18,426,987 gallons) with a daily production of approximately 2.02 ac-ft. The total combined production from both MWD import water and Well No. 5 was approximately 101.01 ac-ft (32,914,729 gallons) for the month with a combined daily production of approximately 3.61 ac-ft. The daily average flow from Well No. 5 was 748 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 February 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.

	9	SP 1, W	ell Raw	Wate	r Discl	narge		Pres	Com sure		SP		r chlora r; reser			tic
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
2/4/2015	178	300	91.8	50	10	15	Α	Α	Α	500	ND	300	ND	50	5	15
2/11/2015											ND	300	ND	50	5	15
2/19/2015											ND	300	ND	50	5	15
2/25/2015											ND	300	ND	50	5	15

**Notes:** Monthly- <u>Orange</u> Weekly- <u>Yellow</u> (4/5/13) - CWPF open to distribution system

A – Absent ND – Non Detect

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

#### 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.

Table 2. Monitoring Re	esults for Free and Tota	l Chlorine at SP2, SP3	, SP4 and SP5 Sampl	e Locations.
------------------------	--------------------------	------------------------	---------------------	--------------

	SP2	SI	P3	SP4	SP	5
Date, week of	Free CI	Free CI	Total CI	Free CI	Total CI	MCL= 4 mg/L
2/4/2015	6.25	3.84	4.15	0.78	2.99	4
2/11/2015	8.70	4.00	5.76	0.76	3.29	4
2/19/2015	8.96	5.08	7.54	0.69	3.49	4
2/25/2015	5.60	5.44	6.16	0.66	3.41	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	-	T.O	.N.		rdness, ng/L	_	thane er), 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
2/4/2015	700	610	670	500-750	1	3			5	0.73
2/11/2015			700	500-750						0.34
2/18/2015			670	500-750						0.84
2/25/2015			730	500-750			290	180-250		0.80
Average			693							0.68

Notes: Monthly- Orange Weekly- Yellow ppm – parts per million mg/L – milligram per liter T.O.N. - Threshold Odor Number TDS - Total Dissolved Solids

Methane (Water) - Methane dissolved in water

Hardness - As total CaCO3

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

The sampling results indicate the TDS levels of the effluent blended water to be on average 693 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 February indicate the hardness levels of the blended water to be 290 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 0.68 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 February 2015 in Appendix B.

Appendix A

Laboratory Results



## **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 3, 2015

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

RE: Workorder: E1500292 Lomita Monthly SP1

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 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: 22826 - 713439 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: E1500292 Lomita Monthly SP1

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500292001	W13-005	W13-005 - 26112 Cypress St., (SP1)	Drinking Water	2/4/2015 10:55	2/4/2015 13:15

Collector: Edward Duvivier

Report ID: 22826 - 713439 Page 2 of 4



#### **COUNTY OF LOS ANGELES**

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



## ANALYTICAL RESULTS

Workorder: E1500292 Lomita Monthly SP1

Lab ID: E1500292001 Date Received: 2/4/2015 13:15 Matrix: Drinking Water

Sample ID: W13-005 Date Collected: 2/4/2015 10:55

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 178 ug/L 1 2/6/2015 11:09 RZ 240 Manganese 91.8 ug/L 20.0 1 2/6/2015 11:09 RZ 40 WETCHEMISTRY Analysis Desc: SM 2120B Analytical Method: SM 2120B 2/4/2015 10:15 LS Color 10 Unit 5.00 1

Report ID: 22826 - 713439 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

CHAIN-OF-CUSTODY RECORD





PROJECT NAME: LOMITA - MONTHLY	LOMI	TA - M	ONTHLY	-SPI			ANALYSES REQUESTED	ESTED		3	WO#-61500292
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## **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

County Sanitation ID #10240



Chief Deputy

CA State DPH Certificate #1430

February 6, 2015

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

RE: Workorder: E1500295 Lomita Bacti

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 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: 22829 - 711798 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



Richard K. Iizuko Chief Deputy

#### **SAMPLE SUMMARY**

Workorder: E1500295 Lomita Bacti

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500295001	W13-005	W13-005 - 26112 Cypress St., (SP1)	Drinking Water	2/4/2015 10:55	2/4/2015 13:15

Collector: Brian

Report ID: 22829 - 711798 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



Chief Deputy

#### **ANALYTICAL RESULTS**

Workorder: E1500295 Lomita Bacti

E1500295001 Date Received: 2/4/2015 13:15 Matrix: **Drinking Water** Lab ID:

Date Collected: 2/4/2015 10:55 Sample ID: W13-005

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

**Parameters** Results Units Report Limit MDL DF Analyzed Ву Qual MCL

**MICROBIOLOGY** 

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

Fecal Coliform **ABSENT** 2/4/2015 15:50 CG 1 **Total Coliform ABSENT** 1 2/4/2015 15:50 CG

Page 3 of 4 Report ID: 22829 - 711798

## 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

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## **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

February 6, 2015

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

RE: Workorder: E1500297 Lomita Monthly SP2: Bacti +HPC

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 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: 22831 - 712337 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



Richard K. Iizuko Chief Deputy

#### **SAMPLE SUMMARY**

Workorder: E1500297 Lomita Monthly SP2: Bacti +HPC

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500297001	E13-005C	E13-005C - 26122 Cypress St., (SP2-Combined Pressure Eff.)	Drinking Water	2/4/2015 10:58	2/4/2015 13:15

Collector: Brian

Report ID: 22831 - 712337 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



Chief Deputy

#### **ANALYTICAL RESULTS**

Workorder: E1500297 Lomita Monthly SP2: Bacti +HPC

E1500297001 Date Received: 2/4/2015 13:15 Matrix: **Drinking Water** Lab ID:

Date Collected: 2/4/2015 10:58 Sample ID: E13-005C

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

**Parameters** Results Units Report Limit MDL DF Analyzed Ву Qual MCL

**MICROBIOLOGY** 

Analysis Desc: Idexx Simplate Analytical Method: Idexx Simplate Heterotrophic Plate Count ND MPN/100mL 1 2/4/2015 13:30 CG 500

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

Total Coliform **ABSENT** 1 2/4/2015 15:50 CG

Report ID: 22831 - 712337 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

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

**PROFILE# 2170** 

CHAIN-OF-CUSTODY RECORD

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## **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 3, 2015

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

RE: Workorder: E1500291 Lomita Weekly SP3

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 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: 22825 - 713431 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: E1500291 Lomita Weekly SP3

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500291001	E13-005A	E13-005A - 26122 Cypress St., (SP3)	Drinking Water	2/4/2015 10:59	2/4/2015 13:15

Collector: Edward Duvivier

Report ID: 22825 - 713431 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



# Chief Deputy

#### **ANALYTICAL RESULTS**

Workorder: E1500291 Lomita Weekly SP3

E1500291001 Date Received: 2/4/2015 13:15 Matrix: **Drinking Water** Lab ID:

Date Collected: 2/4/2015 10:59 Sample ID: E13-005A

System Number: 1010072 006 Durnoco: Douting

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	d: EPA 200.8, Dissolved	ĺ					
Iron	ND ug/L	100		1	2/6/2015 11:05	RZ		240
Manganese	ND ug/L	20.0		1	2/6/2015 11:05	RZ		40
WETCHEMISTRY								
Analysis Desc: SM 2120B	Analytical Method	l: SM 2120B						
Color	5 Unit	5.00		1	2/4/2015 10:15	LS		

Report ID: 22825 - 713431 Page 3 of 4 Jo Page: Profile# 2201 - 1st & 2nd Week

Agricultural Commissioner/Weights & Measures County of Los Angeles

11012 Garfield Avenue, Bldg B, South Gate, CA 90280 **ENVIRONMENTAL TOXICOLOGY BUREAU** 

CHAIN-OF-CUSTODY RECORD Phone# (562)622-0437 Fax# (562)622-0440



wrongdoing by a County employee, please report if to the County Frand Hotline at 1-806-544-686 or www.lacount/fraud.org, You may remain anonymous. wo#6|Soog LAB NUMBER TURN AROUND TIME. 100-If you suspect fraud or ☐ SPECIAL RUSH D REGULAR □ OTHER PRESERVATIVE Matrix (DM, WW, # OB BOLLIES \ ~23 Hrs. on filter REC. TEMP °C / PH (3'C) 1" & 2" Week .... Non-Rush 3rd, 4th & 5th Week .... Rush ANALYSES REQUESTED 24-15/13:15 SWATER YES / Sevies & TOS: 60 / NO DATE / TIME 2-1-15 SAMPLE COND. × Color KAMRUZ ETL Fe, Mn Combine mileagedtime with 2 1520 253 × Bran Hrs. 26112 Cypress St. (After static mixer, before reservoir entry – SP3) TEDT REPORT COMPANY NAME: L.A. County Public Work-Waterworks ADDRESS: 900 S. Fremont Ave., Alhambra, CA 91803 LOCATIONS Miles + SHALED: YRS / NO SEALED: YRS / NO 2-4-15/K PROJECT NAME: LOMITA - WEEKLY - SP3 YES / NO. VRS / NO. 108 1080 X 10.59 PHONE #1 E-MAIL: (626)300-3306 TIME Lomita Janoro DuVivier 2/4/15 SAMPLERS NAME / SIGNATURE: DATE 四九 Brian SAMPLE ID E13-005A 1+ FLWA



## **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

aata #1420

February 19, 2015

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

RE: Workorder: E1500390 Lomita Weekly SP3

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 11, 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: 22924 - 717003 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



Richard K. Iizuko Chief Deputy

#### **SAMPLE SUMMARY**

Workorder: E1500390 Lomita Weekly SP3

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500390001	E13-005A	E13-005A - 26122 Cypress St., (SP3)	Drinking Water	2/11/2015 11:30	2/11/2015 13:20

Collector: Edward DuVivier

Report ID: 22924 - 717003 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



Chief Deputy

#### **ANALYTICAL RESULTS**

Workorder: E1500390 Lomita Weekly SP3

E1500390001 Date Received: 2/11/2015 13:20 Matrix: **Drinking Water** Lab ID:

Date Collected: 2/11/2015 11:30 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	d: EPA 200.8, Dissolved	I					
Iron	ND ug/L	100		1	2/18/2015 11:27	GS		240
Manganese	ND ug/L	20.0		1	2/18/2015 11:27	GS		40
WETCHEMISTRY								
Analysis Desc: SM 2120B	Analytical Method	d: SM 2120B						
Color	5 Unit	5.00		1	2/11/2015 16:05	LS		

Report ID: 22924 - 717003 Page 3 of 4

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 ENVIRONMENTAL TOXICOLOGY BUREAU

Profile# 2201 - 1st & 2nd Week

CHAIN-OF-CUSTODY RECORD



PROJECT NAME: LOMITA - WEEKLY - SP3	/EEKLY - SP3		ANALYSES REQUESTED		WO#EITCO390
COMPANY NAME: L.A. County	COMPANY NAME: L.A. County Public Work-Waterworks			(5	
ADDRESS: 900 S. Fremont Av	ADDRESS: 900 S. Fremont Ave., Alhambra, CA 91803			/ 1	34
ноиен / E-маіг. (626)300-3306	9	. 0	Jo dwa	SAILLE	KAVLL
AMPLERS NAME / SIGNATURE:	EDT REPORT	Fe, Mn Color	REC: TE	# OF B	<b>b</b> keze
SAMPLE ID DATE TIME	E LOCATIONS				LABNUMBER
E13-005A 2/11/15 11:30	26112 Cypress St. (After static mixer,	x x	<b>ο</b> l.	/	100-
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	Miles + Hrs.			/	
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				1	
RELINQUIS BLOCK TORE	2-11-2015 2-11-2015 SWATE CONDITION: PRINT NA	DSIGNATURE	A-1 1-15 (13:2C 1"- & 2"d Week Non-Rush shous constron.		TURN AROUND TIME:    SPECIAL RUSH
Facord Division	SEALED: YES / NO COMPANY:	Brian	SEALURI OF THE PROPERTY OF THE		O REGULAR
101	SAMPLE CONDITION:  1CD: (13) / MO  1CD: (13) /	Dicker AC	100 100 100 100 100 100 100 100 100 100	2	If you suspect fraud or wrongdoing by a County employee, please report it to the County Fraud Hotline at 1-800-544-686 for www.lacounfyTraud.org. You may remain annow mount.



## **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 2, 2015

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

RE: Workorder: E1500461 SP3 RUSH

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Thursday, February 19, 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: 22995 - 720425 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



Richard K. Iizuka Chief Deputy

#### **SAMPLE SUMMARY**

Workorder: E1500461 SP3 RUSH

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500461001	E13-005A	E13-005A - 26122 Cypress St., (SP3)	Drinking Water	2/19/2015 11:19	2/19/2015 13:05

Collector: Duvivier, Edward

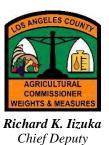
Report ID: 22995 - 720425 Page 2 of 4



#### **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



## **ANALYTICAL RESULTS**

Workorder: E1500461 SP3 RUSH

E1500461001 Date Received: 2/19/2015 13:05 Matrix: **Drinking Water** Lab ID:

Date Collected: 2/19/2015 11:19 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	d: EPA 200.8, Dissolved	I					
Iron	ND ug/L	100		1	2/24/2015 11:36	GS		240
Manganese	ND ug/L	20.0		1	2/24/2015 11:36	GS		40
WETCHEMISTRY								
Analysis Desc: SM 2120B	Analytical Method	d: SM 2120B						
Color	5 Unit	5.00		1	2/20/2015 10:10	LS		

Report ID: 22995 - 720425 Page 3 of 4 Page: of

ICOLOGY BUREAU F g B, South Gate, CA 90280 2)622-0440 eights & Measures

Profile# 2201 - 3rd, 4th & 5th Week - RUSH

CHAIN-OF-CUSTODY RECORD



Count Agrici ENVI	County of Los Angeles Agricultural Commissioner/We ENVIRONMENTAL TOXIC 11012 Garfield Avenue, Bldg I
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PROJECT NAME: LOMITA - WEEKLY - SP3	EKLY -SP3		ANALYSES REQUESTED	WO# E LI DOUGO
ounty Pu	COMPANY NAME: L.A. County Public Work-Waterworks			(s
nont Ave.	ADDRESS: 900 S. Fremont Ave., Alhambra, CA 91803		Hď /	'MM
PHONE#/E-MAIL: (626)300-3306			D <sub>o</sub> awa	
SAMPLERS NAME / SIGNATURE:	☐ EDT REPORT	Fe, Mn Color	REC. TR	PRESE
DATE TIME	LOCATIONS			
2/19/15 11:19	26112 Cy mixer; be SP3)	×	7.51	100-
	Miles + Hrs.			
		34. 1		
PRINT WAYE.  FLA EN DANNE.  FLA EN DANNE.	2.19-224 FRINGUISHED SIGNATURE SAMPLE CONDITIONS: PRINT MARE: TICE: 788 / NO COMPANY.	ionanum.	3	TURN AROUND TIME:  IS SPECIAL RUSH  IN REGULAR
City of Lowith	SEALED: TES / NO	ز	SPAINSO. 155 (NO) 17/14 KIN	U Ginek
8	SAVES CONTINUES OF PRINTIPALATE OF STATE OF STAT	المارية	03/19/15/13/03 ~30 Hrs.	If you suspect fraud or wrongdoing by a County employee, please report it to the County Fraud Hottine at
	COMPANY	)+4	SEATURES: A TREE (NO	www.lacountyfraud.org. You may remain anonymous.



## **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 5, 2015

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

RE: Workorder: E1500512 Lomita Weekly SP3 RUSH

#### Dear Ulises Escalona:

Enclosed are the analytical results for sample(s) received by the laboratory on Wednesday, February 25, 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: 23046 - 722010 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



#### Richard K. Iizuka Chief Deputy

#### **SAMPLE SUMMARY**

Workorder: E1500512 Lomita Weekly SP3 RUSH

Lab ID	Sample ID	Location	Matrix	Date Collected	Date Received
E1500512001	E13-005A	E13-005A - 26122 Cypress St., (SP3)	Drinking Water	2/25/2015 10:34	2/25/2015 11:55

Collector: Jeff Wilson

Report ID: 23046 - 722010 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



## **ANALYTICAL RESULTS**

Workorder: E1500512 Lomita Weekly SP3 RUSH

Lab ID: E1500512001 Date Received: 2/25/2015 11:55 Matrix: **Drinking Water** 

Date Collected: 2/25/2015 10:34 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	d: EPA 200.8, Dissolved	I					
Iron	ND ug/L	100		1	3/3/2015 11:51	GS		240
Manganese	ND ug/L	20.0		1	3/3/2015 11:51	GS		40
WETCHEMISTRY								
Analysis Desc: SM 2120B	Analytical Method	d: SM 2120B						
Color	5 Unit	5.00		1	2/25/2015 14:43	KZ		

Report ID: 23046 - 722010 Page 3 of 4

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

RUSH



Profile# 2201 - 3rd, 4th & 5th Week - 1			CHAIN-OF-CUSTODY RECORD
ENVIRONMENTAL TOXICOLOGY BUREAU P		Fax# (562)622-0440	CHA
ENVIRONMENTA	11012 Garfield Aven	Phone# (562)622-0437 Fax# (562)622-0440	

PROJECT NAME: LOMITA - WEEKLY - SP3		A-WE	ENL! - 515				ANALI SES NECOESTED	an inchange			JAGOOG 3
COMPANY NAME:	L.A. Co	unty Pu	COMPANY NAME: L.A. County Public Work-Waterworks	aterworks					i Ta	(8	
ADDRESS: 900	S. Fremo	ont Ave.	ADDRESS: 900 S. Fremont Ave., Alhambra, CA 91803	CA 91803					7		3/1
PHONE #/E-MAIL: (626)300-3306	(626)30	0-3306			1				_		ILVAN
SAMPLERS NAME / SIGNATURE:	SIGNATURE	1. 6		EDT REPORT	Fe, Mr	Color			REC. T	# OF B	PRESE
SAMPLE ID	DATE	TIME	TOCA	CATIONS	1						LABNUMBER
E13-005A	skalc	HS:01 S1/59/E	the state of the s	26112 Cypress St. (After static mixer; before reservoir entry – SP3)	х	×			,9		120.
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PRINT NAME:	3	1		34 PRINT	GNATORE	Sel.	DATE / TIME 2-25-15 /// 55 SARLE CONVITOR:	RENARKS  1st. & 2nd Week Non-Rush 3rd, 4th & 5th Week Rush	don-Rush Rush		TURN AROUND TIME.  CI SPECIAL RUSH  TI PEGII AP
COMPANY C. T. OF	17	omite o	SEALED: TES / NO	COMPANY:	5		SPALED: YES / ©	23.4 HJ. O. F.IE	अ मिल		OTHER:
PRINT NAME:  STATE NAME:  COMPANY:	Agueyo	g	2425 / TIME / TIME / SAME / VIDE / SAME CONTINUE	10:34 PRINTED NAME COMPANY	100	) Olckey	2 25 15  155 2 25 15  155 3,000   000   000				If you suspect fraud or wrongdoing by a County employee, please report it to the County Fraud Hotine at 1-806-544-661 or www.lacountyTraud.org. you
E	١		SEALED YES / W		2	th th	SEALED YES / NO			11	may remain anonymous.



13 February 2015 Clinical Lab No.: 15B0408

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

Project Name: Standard Analysis

Sub Project: Cypress Water Treatment Plant Monthly Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 02/04/15 . 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 ofProject:Standard AnalysisWork Order:15B040824373 Walnut AvenueSub Project:Cypress Water Treatment Plant Monthly AnalysisReceived:02/04/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:02/13/15

Raw Water Site #1		15B0408-	01 (Water)		Sample Date	02/04/15	12:16	Sampler:	Edward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	700	mg/L	5.0	1000	02/09/15	02/11/15	150662	2
Reservoir Effluent Site #5		15B0408-	02 (Water)		Sample Date	22/04/15	12:21	Sampler:	Edward 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	02/04/15	02/04/15	150654	8
Odor Threshold	EPA 140.1M	1	TON	1	3	02/04/15	02/04/15	150654	8
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	670	mg/L	5.0	1000	02/09/15	02/11/15	150662	2
Zone #2 Site #6		15B0408-	03 (Water)		Sample Date	e: 02/04/15	12:14	Sampler:	Edward DuVivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	610	mg/L	5.0	1000	02/09/15	02/11/15	150662	2
ND Analyte NOT DETECTED at or	above the reporting limit	t							

Analytical Laboratory Service - Since 1964

# **Certificate of Analysis**

Report Date: 02/13/15 13:49
Received Date: 02/06/15 12:00
Turnaround Time: 5 workdays

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

P.O. #:

Attn: John Styles

Project: 15B0408

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 2/6/2015 with the Chain of Custody document. The samples were received in good condition, at 4.7 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5B06013-01 Sampled by: Client	Sample I Sampled		Raw Water 15 12:16	Site #1 / 15	B0408-0	01			Ма	ıtrix: Water
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	5.0		0.050	mg/l	5	RSK-175	2/12/15	2/12/15 15:06	W5B0689	
Lab Sample ID: 5B06013-02	Sample I	D:	Reservoir E	ffluent Site	e #5 / 15	B0408-02			Ma	trix: Water
Sampled by: Client	Sampled	: 02/04/	15 12:21							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.73		0.010	mg/l	1	RSK-175	2/12/15	2/12/15 15:06	W5B0689	



Analytical Laboratory Service - Since 1964

# **Certificate of Analysis**

# **Quality Control Section**

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

Blank (W5B0689-BLK1)					Prepared: 02	/12/15 An	alyzed: 02/1	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5B0689-BS1)					Prepared: 02	/12/15 An	alyzed: 02/12	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00586		mg/l	0.00792	74	50-150		
LCS (W5B0689-BS2)					Prepared: 02	/12/15 An	alyzed: 02/1	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.219		mg/l	0.198	110	85-115		
Calibration Check (W5B0689-CCV1)					Prepared: 02	/12/15 An	alyzed: 02/1	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.205		mg/l	0.198	104	0-200		



#### 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

5B06013

# SUBCONTRACT ORDER

# Clinical Laboratory of San Bernardino 15B0408

SBOWDB

RATORY:  RECEIVING LABORATORY:  Week Lab, Analytical & Environmental Analytical & Environmental Analytical & Environmental Svc 14859 I Analytical & I Yes (GA6) 336-2634  Exact Site #1/15B0408-01	2 twh Date / Time	Received By Received By	Date / lime $\frac{2/t}{t} \int_{\text{Date / Time}}^{\text{Date / Time}} \frac{12.00}{t}$	Released By Released By
ry of San Bernardino ad A 92313 86 Stu Styles  Its to Project Manager: Stu Styles ical-lab.com [] glenney@clinical-lab.com [Vector transfer those samples with PS codes provided in EDT transfer  Pe [] 10 Days [V 5 Days []] Other ments:  Water Site #1 / 15B0408-01  Water Site #5 / 15B0408-02  Water  Sample water	۲-	mclal	/s/1s	Be shap
RATIORY:  RATIORY:  Pro of San Bernardino ad A 92313  A 92313  Stu Styles  Its to Project Manager: Stu Styles ical-lab.com [] glenney@clinical-lab.com [[v] EDT transfer those samples with PS codes provide itle requested; log in with Element ID only CDX Transfer  Per [] 10 Days [v] 5 Days [] Otherments:  Water Site #1 / 15B0408-01				
RATORY:  RATORY:  ad A 92313  693 b6 Stu Styles  Its to Project Manager: Stu Styles Ical-lab.com [] glenney@clinical-lab.com [Vale of the requested; log in with Element ID only CDX Transfer  Re [] 10 Days [V 5 Days [] Other ments:  Water Site #1 / 15B0408-01  Water Site #1 / 15B0408-01  Water  Sample water  1d (A) 40ml Amber Vial (B)  Water  1d (A) 40ml Amber Vial (B)				
RATORY:  Pry of San Bernardino ad A 92313 A 92313 B Stu Styles  Stu Styles  Stu Styles  EDT transfer those samples with PS codes provided by the project Manager: Stu Styles ical-lab.com [] glenney@clinical-lab.com [Vale and a EDT transfer those samples with PS codes provided by the pro				
RATORY:  rry of San Bernardino ad A 92313 7693 76 Stu Styles  Stu Styles  Its to Project Manager: Stu Styles ical-lab.com [] glenney@clinical-lab.com [Valie requested; log in with Element ID only CDX Transfer  ne [] 10 Days [V 5 Days [] Other ments:  Water Site #1 / 15B0408-01  Water Site #3 / 15B0408-02  Vater  Vater Effluent Site #5 / 15B0408-02  Sample Water			40ml Amber Vial (B)	Methane RSK175  Containers Supplied: 40ml Amber Vial (A)
ry of San Bernardino ad A 92313 7693 86 Stu Styles Its to Project Manager: Stu Styles ical-lab.com [] glenney@clinical-lab.com [v 1 EDT transfer those samples with PS codes provided File requested; log in with Element ID only CDX Transfer  The [] 10 Days [v 5 Days [] Other ments:  Water Site #1 / 15B0408-01 Water  Sample Water  Value (A)  Value Vial (B)		Sampled: 02/04/15 12:21 PS ( Water		Sample ID: Reservoir Eff
Laboratory of San Bernardino larton Road errace, CA 92313 309.825.7696 Manager: Stu Styles  mail results to Project Manager: Stu Styles big@clinical-lab.com [] glenney@clinical-lab.com [valifornia EDT transfer those samples with PS codes provid fransfer File requested; log in with Element ID only UCMR 3 CDX Transfer ound Time [] 10 Days [valifornia EDT transfer of Samples with PS codes provid Samples with Element ID only UCMR 3 CDX Transfer ound Time [] 10 Days [valifornia EDT transfer ound Time [] Samples with Element ID only UCMR 3 CDX Transfer [] Samples with Element ID only UCMR 3 CDX Transfer [] Samples with Element ID only UCMR 3 CDX Transfer [] Samples with Element ID only UCMR 3 CDX Transfer [] Other [] Other [] Samples with Element ID only [] Other			40ml Amber Vial (B)	Methane RSK175 Containers Supplied: 40ml Amber Vial (A)
Laboratory of San Bernardino larton Road errace, CA 92313 109.825.7693 1.825.7696 Manager: Stu Styles  mail results to Project Manager: Stu Styles big@clinical-lab.com [ ] glenney@clinical-lab.com [ ] California EDT transfer those samples with PS codes provid fransfer File requested; log in with Element ID only UCMR 3 CDX Transfer ound Time [ ] 10 Days [ 5 Days [ ] Other ract Comments:		Sampled: 02/04/15 12:16 PS ( Water		Sample ID: Raw Water S
an Bernardino  Styles  roject Manager: Stu Styles  s.com [] glenney@clinical-lab.com [vansfer those samples with PS codes provid puested; log in with Element ID only fransfer  [] 10 Days [ 5 Days [] Other	Co			Analysis
cal-lab.com [V PS codes provid		[	[M 5 Days	Turn Around Time Subcontract Comments:
RATORY: ry of San Bernardino ad A 92313 693 6 Stu Styles	om	n [Kstyles@clinical-lab.c provided []Yes [K]No []Yes []No []Yes [K]No	oject Manager: Stu Styles com [] glenney@clinical-lab.cor ansfer those samples with PS codes ested; log in with Element ID only ansfer	lease email results to Pr ] glaubig@clinical-lab. California EDT to Transfer File requ UCMR 3 CDX To
	& Environment nental Svc 148:	Weck Lab, Analytical Analytical & Environ Industry, CA 91745 Phone :(626) 336-213 Fax: (626) 336-2634	n Bernardino syles	Clinical Laboratory of Sa 21881 Barton Road Grand Terrace, CA 92313 Phone: 909.825.7693 Fax: 909.825.7696 Project Manager: Stu St
	<u> ATORY:</u>	RECEIVING LABOR	ΣΣ:	SENDING LABORATORY:

_	_
	_/
7,	_
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Clinical	Clinical Laboratory of San Bernardino, Inc.		Chair	Chain of Custody
Cleat	City of Lomita	System Number	Analysis Requested	
Address	24373 Walnut Avenue	6400707		
	Lomita, CA 91717	1910073	( )	
Phone #	(310) 325-9830	Destination Laboratory	7:11:	Att.
Fax#	(310) 325-3627	[X] Clinical Laboratory	75 74'4'	) W. C. /
Project	Standard Analysis	CDHP Compliance	( tu	(SC1 YS)
Sub Project	Cypress Water Treatment Hout Monthly Analyss (continue)	YES ELAP#	2/1051	
Comments	Compliante	2007	(J	
Sampled by	Edward Divine	880L	100 s	
out. Otro	denitification	Matrix Presery Free Chlorine	N 61	Comments
2/4/5 1216	Raw Water S. to # (2)	-	×	
2111/5 1215	$\subseteq$	6W NA W	×	
$\dashv$	- E(Fluart 5 to #5 (	2) DW 18c D1	<u>У</u>	
2/1/15 1210	FIHMAN SILHS (1)	DW NH DI	×	
1221 51/4/2	RESIDE Ellhont Site + 50	DN NO DI	×	
_				
41/15 1214	(1) 2 # # C (1)	DW NA DI	×	
Preservatives: (1) N	Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCi (3) HNO3 (4) NH4Ci	Matrix: DW-Drinking Water, WW-	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, W-Well D- Dist.	Water, W-Well D-Dist.
(5) H2SO4 (6	(7) Cold (8	ŀ	Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special	
Kelingfushed By (Sign)		Date / Tim	A Propingul By (Sign)	Print Name / Company
Ton.	٦,	2/4/2015 1250	Stock In	stucyte cusik
	┵	Т		
Comments:	Me Sweps/cists	25.4.15/4.30	1	In langing
		Samples	Samples received: ( ) On ice ( ) Intact ( Temp / S. )	Custody seals
Shipped Via	Fed X     Golden State	UPS     Client     Other		Page 1 of 1



20 February 2015 Clinical Lab No.: 15B0976

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

Project Name: Standard Analysis

Sub Project: CWPF Weekly Comp. Analysis

Enclosed are the results of the analyses for samples received at the laboratory on 02/11/15. 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:15B097624373 Walnut AvenueSub Project:CWPF Weekly Comp. AnalysisReceived:02/11/15 16:00Lomita CA, 91717Project Manager:Mark AndersenReported:02/20/15

Reservoir Effluent Site #5		15B0976-0	1 (Water)		Sample Date:	02/11/15	11:48	Sampler:	Edward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	700	mg/L	5.0	1000	02/13/15	02/16/15	150753	5
ND Analyte NOT DETECTED at or above the	e reporting limit								

Analytical Laboratory Service - Since 1964

# **Certificate of Analysis**

Report Date: 02/20/15 08:00 Received Date: 02/12/15 12:55 Turnaround Time: 5 workdays

Phones: (909) 825-7693

Fax: (909) 825-7696

P.O. #:

Attn: John Styles

Project: 15B0976

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 2/12/2015 with the Chain of Custody document. The samples were received in good condition, at 2.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5B12048-01	Sample	ID: I	Reservoir E	Iffluent Site	#5 / 15	B0976-01			Ma	atrix: Water
Sampled by: Client	Sampled	l: <b>02/11</b> /	15 11:48							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.34		0.010	ma/l	1	RSK-175	2/12/15	2/12/15 15:06	W5B0689	





# **Quality Control Section**

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

Blank (W5B0689-BLK1)					Prepared: 02	/12/15 An	alyzed: 02/1	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5B0689-BS1)					Prepared: 02	/12/15 An	alyzed: 02/12	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00586		mg/l	0.00792	74	50-150		
LCS (W5B0689-BS2)					Prepared: 02	/12/15 An	alyzed: 02/1	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.219		mg/l	0.198	110	85-115		
Calibration Check (W5B0689-CCV1)					Prepared: 02	/12/15 An	alyzed: 02/1	2/15 15:06	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.205		mg/l	0.198	104	0-200		

5B12048 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).

Sub Subcontracted analysis, original report enclosed.

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

NR Not Reportable

5B12048 Page 3 of 3

50176

Clinical Laboratory of San Bernardino, Inc.

Print Name / Company Matrix: DW-Drinking Water, WW-Waste Water, SW(Storm Water, GW- Ground Water, W-Well D- Dist. Chain of Custody Comments Custody seals Page\_I\_of\_I\_ 3-Replacement, 4-Special gd By (Sign) **Analysis Requested** Samples received: On-ice Temp 19.6 Type- 1-Routine, 2-Repeat, D.Solvel Total 4.00 ( Other Chlorine Fotal Date / Time Destination Laboratory [X] Clinical Laboratory CDHP Compliance 1910073 System Number Chlorine | | Client Free ELAP# 1088 7-11-17 2-11-15 Preserv <del>ب</del> ر | VPS |Matrix 3 7 Print Name / Company [ ] Golden State 0150 0.000 St 45 Reservoir Effluent Sta #5 Express Worter Trentment Plant Weekly Compliance Analysis 24373 Walnut Avenue Sample Idenitification Preservatives: (1) Na<sub>2</sub>S<sub>2</sub>O<sub>3</sub> (2) HCl (3) HNO<sub>3</sub> (4) NH4Cl Lomita, CA 91717 Duv. J. c. Standard Analysis City of Lomita (310) 325-9830 (310) 325-3627 (5) H2SO4 (6) Na2SO3 (7) Cold (8) Other: J.WC000 Reservoir Eddluant Edwark | | Fed X Compliance Elwart Relinquished By (Sign) Lime 148 ニャフ **Sub Project** Sampled by Comments Shipped Via Address Comments: Phone # 3 Project 2-11-6 Fax # Date 2-11-5



27 February 2015 Clinical Lab No.: 15B1456

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

Project Name: Standard Analysis

Sub Project: Cypress Water Treatment Plant Compliance

Enclosed are the results of the analyses for samples received at the laboratory on 02/18/15 . 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 ofProject:Standard AnalysisWork Order:15B145624373 Walnut AvenueSub Project:Cypress Water Treatment Plant ComplianceReceived:02/18/15 15:00Lomita CA, 91717Project Manager:Mark AndersenReported:02/27/15

Reservoir	r Effluent Site #5		15B1456-0	1 (Water)		Sample Date	e: 02/18/1	5 11:35	Sampler:	Edward Duvivier
Analyte		Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
	Themical Analyses	SM 2540C	670	mg/L	5.0	1000	02/19/15	02/23/15	150823	1
ND	Analyte NOT DETECTED at or above	ve the reporting limit		Č						



Analytical Laboratory Service - Since 1964

# **Certificate of Analysis**

Report Date: 03/10/15 10:31
Received Date: 02/19/15 12:30
Turnaround Time: 5 workdays

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

P.O. #:

Attn: John Styles

Project: 15B1456

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 2/19/2015 with the Chain of Custody document. The samples were received in good condition, at 5.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5B19036-01	Sample	ID: I	Reservoir E	ffluent Site	#5 / 15	B1456-01			Ma	atrix: Water
Sampled by: Client	Sampled	I: 02/18/	15 11:35							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.84		0.010	ma/l	1	RSK-175	2/20/15	2/20/15 18:22	W5B1148	





# **Quality Control Section**

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

Blank (W5B1148-BLK1)					Prepared: 02	/20/15 Ar	alyzed: 02/20	0/15 17:51	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5B1148-BS1)					Prepared: 02	/20/15 Ar	alyzed: 02/20	0/15 18:01	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00514		mg/l	0.00792	65	50-150		
LCS (W5B1148-BS2)					Prepared: 02	/20/15 Ar	alyzed: 02/20	0/15 18:12	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.174		mg/l	0.198	88	85-115		
Calibration Check (W5B1148-CCV1)					Prepared: 02	/20/15 Ar	alyzed: 02/20	0/15 17:39	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.203	<del></del>	mg/l	0.198	103	0-200		

5B19036 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).

Sub Subcontracted analysis, original report enclosed.

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

NR Not Reportable

5B19036 Page 3 of 3

# SUBCONTRACT ORDER

# Clinical Laboratory of San Bernardino 15B1456

5B19034

Time	Received By	) Pat
-	)asmalmore)	<b>Z</b> .
e Time	Received By	Refered By Date / Time
104		B) HM 2/14/15 08:50
		Containers Supplied: 40ml Amber Vial (A) 40ml Amber Vial (B)
Laborate and the state of the s		Methane RSK175
le: WTX ID: UCMR ID:	Sampled: 02/18/15 11:35 PS Code: Water	Sample ID: Reservoir Effluent Site #5 / 15B1456-01
Comments		Analysis
	Other Days	Turn Around Time [] 10 Days [√] 5 Days [] Other Subcontract Comments:
	s provided []Yes [√No y []Yes []No []Yes [√No	California EDT transfer those samples with PS codes provided Transfer File requested; log in with Element ID only UCMR 3 CDX Transfer
1	om [√] styles@clinical-lab.com	Please email results to Project Manager: Stu Styles [ ] glaubig@clinical-lab.com [ ] glenney@clinical-lab.com
		Project Manager: Stu Styles
	Fax: (626) 336-2634	Phone: 909.825.7696 Fax: 909.825.7696
	Industry, CA 91745	Grand Terrace, CA 92313
Analytical & Environmental Svc 14859 E Clark Ave	Analytical & Environmental Svc 14859	21881 Barton Road
ORY:	RECEIVING LABORATORY:	SENDING LABORATORY:

8/8/3 156/456 Chain of Custodia

Client	nt City of Lomita	System Number	Ana vsis Redilested	
Address	24373 Walnut Avenue			
	Lomita, CA 91717	19110073		
Phone #	(310) 325-9830	Destination Laboratory	المورد المالية	
Fax#	(310) 325-3627	[X] Clinical Laboratory	~~« ~>∈('	
Project	Standard Analysis	CDHP Compliance	7)	
Sub Project	25.	YES		
, same	Plant Compliance		2.00L	
Sampled by	(80.00 X. 20.00)	1088	11°	
Date Time	Sample Iden		W '+91	
2-18-15 1134	Reservoir Edding - Stott Stott Si	All Aller	×	
2-18-15 1135	"		×	
	4			
Preservatives: (1)	Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO <sub>3</sub> (4) NH4Cl	Matrix: DW-Drinking Water, WW-N	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, W-Well D- Dist.	- Ground Water, W-Well D- Dist.
(5) H2SO4 (	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:	Type- 1-R	Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special	-Special
Relinquished By (Sign)	By (Sign) Print Name / Company	Dute / T	Received By (Sign)	Print Name / Company
1 MAN 3	Edward Puvier	2-18-15	UN Mu	J. Uurn (a)
	City of Lamite			= 0
1	Ju J. Wheele CUB	2.18.15 / 3.00	( <del>}                                   </del>	MINGUEST
Cemprents:		/ Samples r	Samples received: (C) on ice (Intact	nct ( ) Custody seals
Shipped Via	Fed X     Golden State	[] UPS    C'llent   Dolher	. al dina	Page 1 of 1
				,0



06 March 2015 Clinical Lab No.: 15B1954

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 02/25/15 . 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,

Robin Glenney For Stu Styles

Client Services Manager



Lomita, City ofProject:Standard AnalysisWork Order:15B195424373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:02/25/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:03/06/15

Reservoir Effluent Site #5		15B1954-0	1 (Water)		Sample Date	: 02/25/15	10:41	Sampler:	Edward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses Total Filterable Residue/TDS	SM 2540C	730	mg/L	5.0	1000	02/26/15	03/04/15	150946	1
ND Analyte NOT DETECTED at or above	e the reporting limit		C						



Analytical Laboratory Service - Since 1964

# **Certificate of Analysis**

Report Date: 03/04/15 14:26 Received Date: 02/26/15 11:20 Turnaround Time: 5 workdays

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

P.O. #:

Attn: John Styles

Project: 15B1954

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 2/26/2015 with the Chain of Custody document. The samples were received in good condition, at 2.6 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5B26016-01	Sample	ID: I	Reservoir E	ffluent Site	#5 / 15	B1954-01			Ma	atrix: Water
Sampled by: Client	Sampled	l: 02/25/	15 10:41							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.80		0.010	mg/l	1	RSK-175	2/27/15	2/27/15 15:54	W5B1455	





# **Quality Control Section**

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

Blank (W5B1455-BLK1)					Prepared: 02	/27/15	Analyzed: 02/27	//15 15:22	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5B1455-BS1)					Prepared: 02	/27/15	Analyzed: 02/27	/15 15:33	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.0106		mg/l	0.00792	134	50-150		
LCS (W5B1455-BS2)					Prepared: 02	/27/15	Analyzed: 02/27	/15 15:43	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.226		mg/l	0.198	114	85-115		
Calibration Check (W5B1455-CCV1)					Prepared: 02	/27/15	Analyzed: 02/27	//15 15:11	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.194		mg/l	0.198	98	85-115		

5B26016 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).

Sub Subcontracted analysis, original report enclosed.

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

NR Not Reportable

5B26016 Page 3 of 3

# SUBCONTRACT ORDER

# Clinical Laboratory of San Bernardino

15B1954

5B26016

SENDING LABORATORY:	<u>RECEIVING LABORATO</u>	RY:	
Clinical Laboratory of San Bernardino 21881 Barton Road Grand Terrace, CA 92313 Phone: 909.825.7693 Fax: 909.825.7696 Project Manager: Stu Styles	Weck Lab, Analytical & En Analytical & Environment Industry, CA 91745 Phone:(626) 336-2139 Fax: (626) 336-2634		
Please email results to Project Manager: Stu Styles [ ] glaubig@clinical-lab.com [ ] glenney@clinical-l	ab.com [ styles@clinical-lab.com		
California EDT transfer those samples with PS of Transfer File requested; log in with Element ID UCMR 3 CDX Transfer			
Turn Around Time [ ] 10 Days [ 7 5 Days [ Subcontract Comments:	Other Days		
Analysis		Comments	
Sample ID: Reservoir Effluent Site #5 / 15B1954-01		WTX ID: UCMR ID:	
Methane RSK175		Report in mg/L	
	•		
Containers Supplied:			

920 Zhoks 1120 Received By Date / Time

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	cat Lavor	Cumuat Lavoratory of San Bernaraino,	o, 1nc.						5	<u>)</u>	_	ن	hain of Custody	
Client		City of Lomita	Sy	System Number	umber		<b>Analysis Requested</b>	s Requ	lestec	_				
Address		24373 Walnut Avenue		101	1010072	-					⊢		- marketing	Π
		Lomita, CA 91717		9	2 200		T					√et		-
Phone #		(310) 325-9830	a	estinatic	Destination Laboratory		otal					har		
Fax#		(310) 325-3627		X] Clinica	[X] Clinical Laboratory					Co		ne (.		
Project		Standard Analysis		сонь с	CDHP Compliance					olor		AIR		
Sub Project		CWPF Worly Compliance Analysis			YES					& C		2) (A		
Comments	+			피 	-AP #		as C	tho a d So	otal	)dor		STM		
Sampled by		Award Duvinier		<del>-</del>	1088		aCo3)				SK17	D194		
Date Ti	Time	Sample Idenitification	Matrix	Туре	Preserv Ct	Total Chlorine	1					46)	Comments / P.S. Codes	
	)	Raw Water Site #1	MO	1W	HCL				<u> </u>					T
	)  - 	Raw Water Site #1	MO	1W	N/A						<del> </del>			T
-+	   													
1501 S1/52/2		Reservoir Effluent Site #5 🖈	MO	11//	HCI						×			
		Reservoir Effluent Site #5	DW	1										
2457/8	-	Reservoir Effluent Site #5	M()	)\\	S/N			×	_					
	) -	Zone #2_Site #6	MO	11/	N/N									
											_	$\dashv$		Т
												+		
-	) 							+			+	_		T
Preservative	SC (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO3 (4) NH4Cl		Matrix:	DW-Drinking	king Water, M	WW-Wast	te Water, SW-Sto	SW-S	orm Water	/ater,	GW-G	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, A-Air Type, 1-Bouting, 2-Beneat, 3-Beneat, 4-Beneat, 4-Beneat, M. Woll, D. Dies	
Reinaufe	Bred By (Sign)	Print Name / Company			Date / Time	, , ,		P. P. D.			- 1	_	)/ " " "	Т
	1	EXIDARY		2/25		2:20	\(\frac{\psi}{\psi}\)	13		600		14	<u>،</u> ۲	Т
	7	]_		2.25.15	:15/4:	30						<u>}</u>	(8) JUNIO	Т
Complete Com	M/S/M	9			/ Sam	Samples received:	ceived:	1 (m)	A ide	¥-	Thtact	) ( ) (	Custddy seals	Γ
Shipped Via		[ ] Fod X [ ] Golden State	[] UPS	] Sd/	] Chent	Other		<u> </u>		-			P. 10 - 1 - 01 - 1	
					,									1

"Your Water and Wastewater Analysis Solution"



05 March 2015 Clinical Lab No.: 15B1956

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 02/25/15 . 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:15B195624373 Walnut AvenueSub Project:CWPF Weekly Non-Comp AnalysisReceived:02/25/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:03/05/15

Reservoir Effluent Site #5		15B1956-0	1 (Water)		Sample Date:	02/25/15	10:40	Sampler:	Edward Duvivier
Analyte	Method	Result	Units	Rep. Limit	MCL	Prepared	Analyzed	l Batch	Qualifier
General Chemical Analyses									
Hardness, Total (as CaCO3)	Calculated	290	mg/L	6.6		02/27/15	02/27/15	[CALC]	I
Ortho-Phosphate (as P)	HACH 8048	0.16	mg/L	0.0067		02/25/15	02/25/15	1509348	3
Phosphorus (Total as P)	HACH 8190	0.46	mg/L	0.0067		02/26/15	02/26/15	1509388	3
<u>Metals</u>									
Calcium (Ca)	EPA 200.7	75	mg/L	1.0		02/27/15	02/27/15	1509513	3
Magnesium (Mg)	EPA 200.7	26	mg/L	1.0		02/27/15	02/27/15	1509513	3
ND Analyte NOT DETECTED at or a	above the reporting limit								

Clinical Laboratory of San Bernardino, Inc.

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Client		City of Lomita	Sy	System Number	umber		<b>Analysis Requested</b>	sis Re	dnes	ed			
Address	S	24373 Walnut Avenue		107	2700								
		Lomita, CA 91717		181	1910075		1 (				Met	√eth	
Phone #	#	(310) 325-9830	a	estinatic	Destination Laboratory	əry				Pho	han	nane	
Fax #		(310) 325-3627	]	x] Clinic	[X] Clinical Laboratory	ıry						e ( <i>F</i>	
Project		Standard Analysis		одна с	CDHP Compliance							AIR)	
Sub Project	oject	CWPF Wookly Non-Comp. Analysis			No ELAP#		ess (as Ikalin	olved :	Orth	s Odd s- Tota	ER) & Oda	(AST	
Comments	ents			1	000							ΜĒ	
Sampled by	³d by	Edward Dudivier		_	1066		J03) ——			P	K175	)1946	
Date	Time	Sample Idenitification	Matrix	Туре	Preserv	Total Chlorine					ō)	6)	Comments / P.S. Codes
		. Raw Water Site #1	MCI	1W	V/N								
		Filter Effluent Site #3	) MCI	\\\ \L	SN						+		
				2						-	-		
		Reservoir Influent Site #4	MO	1//	SZ								
							-			+	-	_	
10/25/15	2040	Reservoir Effluent Site #5	M()	M.	S		×		×	×	_	$\perp$	
		Zone #2 Site #6	DW	11W	₹/Z							$\perp$	
												$\perp$	
Preserva	atives: (	Preservatives: (1) Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> (2) HCl (3) HNO3 (4) NH4Cl (5) H2SO4 (6) Na <sub>2</sub> SO <sub>3</sub> (7) Cold (8) Other:		Matrix:	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special	V-Drinking Water, Type- 1-Routine, 2	WW-Waste Water, SW-Storm Water 2-Repeat, 3-Replacement, 4-Special	t, 3-Rep	ter, SI placen	V-Stor ent, 4	m Wat		GW- Ground Water, A-Air W-Well D- Dist.
Reline	Relinguished	cd By (Sign) Print Namo / Company			Date / Time			8	cciva	By (	(Sign)		Print Namo / Company
200		City of Low Fe		10/15/	2.25/15/	4.30	00	R	27	3	المراجعة والمراجعة و		2 Chromo Chis
amog 0	RANG)	Mr J. Lucello / CLSB	ପ			Samples received: 7	eceive	d. Semp	90m	ce. 🖈	$\int_{\Xi}$	Intact F	( ) Custddy seals ())C
Snipped Via	Via	[ ] Fod X [ ] Goldon State		l UPS (	] Chont	Ochor		-					Page-1-or-1-

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"Your Water and Wastewater Analysis Solution"

Appendix B

Methane Monitoring Log



# CITY OF LOMITA CPWF HANDHELD METHANE LOG READINGS

		February 2015	LOG KLADINGS
Date	Time	Methane Handheld	Comments
Date	Time	Wictianic Handricia	
2/1/2015	-		Sunday
		CH4-0%	
2/2/2015	3:00 PM	Oxy-20.6%	
		CH4-0%	
2/3/2015		Oxy-20.5%	
		CH4-0%	
2/4/2015	3:00 PM	Oxy-20.3%	
	-	CH4-1%	
2/5/2015	2:55 PM	Oxy-20.1%	
0/5/0045		CH4-1%	
2/6/2015	12:45 PM	Oxy-20.1%	
2/7/2015	-		Saturday
2/7/2015			
2/0/2015	-		Sunday
2/8/2015		CH4-0%	
2/9/2015	2:45 PM	Oxy-20.5%	
2/3/2013	2.431111	CH4-0%	
2/10/2015	3:30 PM	Oxy-20.6%	
		CH4-0%	
2/11/2015	12:45 PM	Oxy-20.9%	
		,	11-1: 4
2/12/2015	•		Holiday
			Eriday City Hall Closed
2/13/2015			Friday - City Hall Closed
			Saturday
2/14/2015			Saturday
	-		Sunday
2/15/2015			
0/10/2015	-		Holiday
2/16/2015		0111.007	,
2/17/2015	2.20 DM	CH4-0%	
2/17/2015	3:30 PM	Oxy-20.9% CH4-0%	
2/18/2015	3:15 PM	Oxy-20.9%	
2/10/2013	3.13 1 101	CH4-0%	
2/19/2015	3:45 PM	Oxy-20.6%	
,, ==, ====	2	CH4-0%	
2/20/2015	2:15 PM	Oxy-20.7%	
		,	Cationalact
2/21/2015			Saturday
			Sunday
2/22/2015			Suriudy
		CH4-0%	
2/23/2015	12:30	Oxy-20.6%	
	<u> </u>	CH4-0%	
2/24/2015	3:00 PM	Oxy-21.3%	
		CH4-0%	
2/25/2015	3:30 PM	Oxy-20.9%	
2/25/5=	42.45 == :	CH4-1%	
2/26/2015	12:15 PM	Oxy-20.9%	
2/27/2015			Friday - City Hall Closed
2/27/2015			•
2/28/2015			Saturday
2/20/2013			

ND- Non Detect CH4- Methane

Oxy-Oxygen

Weekend/Day OFF/Holiday- Red