CITY OF LOMITA



Cypress Water Production Facility Monthly Status Report

April 2015

CITY COUNCIL

HENRY SANCHEZ JR.

JIM GAZELEY

MICHAEL G. SAVIDAN

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MARK WARONEK



ADMINISTRATION

MICHAEL ROCK
CITY MANAGER

CITY OF LOMITA

May 7, 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

Subject: System No. 1910073 - Monthly Report for the Cypress Water Production Facility (CWPF) for the period of April 1 through April 30, 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 April 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 April 2015, the CWPF operated for approximately 30 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 54.96 ac-ft (17,907,524 gallons) with a daily production of approximately 1.83 ac-ft. The total combined production from both MWD import water and Well No. 5 was approximately 111.47 ac-ft (36,318,513 gallons) for the month with a combined daily production of approximately 3.72 ac-ft.

The daily average flow from Well No. 5 was 498 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 49% Well water and 51% MWD water.

Operational Interruptions

There were no major operational interruptions during the month of April 2015. Routine and preventive maintenance was performed on various pieces of equipment as-needed. In early May 2015, the Cypress Reservoir is planned to be isolated for the first few days of the month to monitor pressures within the distribution system from using only MWD as the primary source.

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	Comi sure fflue		SF	•	r chlora er; reser		on 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	Iron, mg/L	*MCL = 300 ug/L	Manganese, mg/L	*MCL = 50 ug/L	Color	*MCL=15
4/1/2015	250	300	100	50	15	15	Α	Α	Α	500	ND	300	ND	50	ND**	15
4/8/2015											ND	300	ND	50	ND	15
4/15/2015											ND	300	ND	50	ND	15
4/22/2015											ND	300	ND	50	ND	15
4/29/2015											ND	300	ND	50	ND	15

Notes: Monthly- Orange

Weekly- Yellow

A – Absent

ND - Non Detect

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

** Additional Color sample taken on 4/15/15 to take place of the sample taken on 4/1/15 used in the March report (see report 15D1370).

B. <u>Free and Total Chlorine Residuals</u>

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 Results for Free and Total Chlorine at SP2, SP3, SP4 and SP5 Sample Locations.

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
4/1/2015	6.53	6.44	7.17	2.72	3.70	4
4/8/2015	7.60	8.09	7.41		3.29	4
4/15/2015	14.43	6.67	9.12	3.80	3.15	4
4/22/2015	8.00	6.56	8.40	2.68	3.85	4
4/29/2015	7.92	7.92	8.64	4.32	3.98	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.		dness, 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
4/1/2015	650	650	660	500-750	5	3			6.1	0.55
4/8/2015			680	500-750						0.44
4/15/2015			680	500-750			290	180-250		1.00
4/22/2015			710	500-750						0.71
4/29/2015			640	500-750						0.49
Average			674							0.64

Notes: Monthly- Orange

Weekly- Yellow

ppm – parts per million mg/L – milligram per liter

T.O.N. - Threshold Odor Number
TDS - Total Dissolved Solids

Hardness - As total CaCO3

Methane (Water) - Methane dissolved in water

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

The sampling results indicate the TDS levels of the effluent blended water to be on average 674 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 650 mg/L and 650 mg/L, respectively.

E. Hardness

The sampling results for the month of April 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 0.64 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 April 2015 in Appendix B.

Appendix A

Laboratory Results



07 May 2015 Clinical Lab No.: 15D2415

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 04/29/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

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Lomita, City ofProjectStandard AnalysisWork Order:15D241524373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:04/29/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:05/07/15

Filter Effluent Site (Chloramine) #3		15D2415-0	01 (Water)		Sample Dat	te: 04/29/15	6:45 S a	ampler: Edward Duvi	ivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier	
General Physical Analyses									
Apparent Color	SM 2120B	ND	3.0	15	Color Units	04/29/15	04/29/15	1518373	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	05/01/15	05/01/15	1518455	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	05/01/15	05/01/15	1518455	
Reservoir Effluent Site #5		15D2415-0	02 (Water)		Sample Dat	te: 04/29/15	6:49 S	ampler: Edward Duvi	ivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	640	5.0	1000	mg/L	04/30/15	05/04/15	1518286	
ND Analyte NOT DETECTED at or above	e the reporting limi	t							



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 05/07/15 08:31
Received Date: 04/30/15 13:29
Turnaround Time: 5 workdays

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

P.O. #:

Project: 15D2415

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 4/30/2015 with the Chain of Custody document. The samples were received in good condition, at 4.9 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5D30037-01	Sample	ID: F	Reservoir E	ffluent Site	#5 / 15	D2415-02			Ma	atrix: Water
Sampled by: Client	Sampled	l: 04/29/	15 06:49							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.49		0.010	mg/l	1	RSK-175	5/5/15	5/5/15 16:40	W5E0229	





Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5E0229-BLK1)					Prepared: 05/	/05/15 An	alyzed: 05/0!	5/15 16:08	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5E0229-BS1)					Prepared: 05/	/05/15 An	alyzed: 05/0!	5/15 15:57	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.212		mg/l	0.198	107	85-115		
Calibration Check (W5E0229-CCV1)					Prepared: 05/	/05/15 An	alyzed: 05/0!	5/15 15:46	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00721		mg/l	0.00792	91	0-200		
Calibration Check (W5E0229-CCV2)					Prepared: 05/	/05/15 An	alyzed: 05/0!	5/15 15:25	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.212		mg/l	0.198	107	0-200		
Duplicate (W5E0229-DUP1)	Se	ource: 5D30037	7-01		Prepared: 05/	/05/15 An	alyzed: 05/0!	5/15 16:51	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane	0 489	0.517		mg/l				6	20

5D30037 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

5D30037 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino

15D2415

方D30037

SENDING LABORATORY:	RECEIVING LABORATORY:
Clinical Laboratory of San Bernardino	Weck Lab, Analytical & Environmental
21881 Barton Road Grand Terrace, CA 92313	Analytical & Environmental Svc 14859 E Clark Ave 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.com [v	styles@clinical-lab.com
California EDT transfer those samples with PS codes provide Transfer File requested; log in with Element ID only UCMR 3 CDX Transfer	ded [] Yes [No [] Yes [] No [] Yes [No
Turn Around Time [] 10 Days [√ 5 Days [] Other _ Subcontract Comments:	_ Days
Analysis	Comments
Sample ID: Reservoir Effluent Site #5 / 15D2415-02 Sampl	ed: 04/29/15 06:49 PS Code:
Water	
Methane RSK175	Report in mg/L
Containers Supplied:	
40ml Amber Vial (A) 40ml Amber Vial (B)	
	4.9
	,-
Beleased By 04/30//s 08:15 Released By Date / Time,	Chris Malor 4-30-15/11:00
Released By Date / Time	Received Date / Time

Date / Time

45 9114 Chain of Custody							R) (A						W13-005		E13-005A				X		ter GW. Ground Water A.Air	ial W-Well D-Dist.	Print Name / Company	8577/ W/1/2	DAMA CSD	Intact () Custody seals	Page 1 of 1	4
S/M2051	Analysis Requested			Pho Ph	ospl osp tal	C horu hate Diss	olor is- T solve	rota rtho	l as	P P				\vdash	X X			X	X		Matrix: DW-Drinking Water WW-Waste Water SW-Storm Water GW- Ground Water A-Air	2-Repeat, 3-Replacement, 4-Special W-Well D- Dist.	Received By (Sign)	- JOK	OFFIN	amples received: (XOn ice (XII)		
ino, Inc.	System Number	1910073	5/00/61	Destination Laboratory	[X] Clinical Laboratory	CDWR Compliance	YES	ELAP#	000	9901	Matrix Type Preserv Chlorine	DW 1W HCL	DW 1W N/A		DW = 1W = 7N/A			DW 1W 7 N/A	DW 1W HCL	DW 1W N/A	Matrix: DW-Drinking Water	Type- 1-Routine, 2	Date / Time	- 429-15 , 12:00	4.34.15 / 4:30		[] UPS [] Client [] Other	
Clinical Laboratory of San Bernardino, Inc.	City of Lomita	24373 Walnut Avenue	Lomita, CA 91717	(310) 325-9830	(310) 325-3627	Standard Analysis	CWPF Weekly Compliance Analysis			Edwarf Mulivie	Sample Idenitification	Raw Water Site #1	Raw Water Site #1	***************************************	Filter Effluent Site (Chloramine) #3(2)			Reservoir Effluent Site #5	Reservoir Effluent Site #5 (え	Zone #2 Site #6	Preservatives: (1) Na ₂ S ₂ O ₂ (2) HCl (3) HNO ₃ (4) NH4Cl	Na2SO3 (7) Cold (8) Other:	y (Sign) Print Name / Company	12 Edesort Duviviz	City of Lomita	asymone/cos	[] Fed X [] Golden State	
	Client	Address		Phone #	Fax#	Project	Sub Project		Comments	Sampled by	Date Time				1-23-15 06:45		_	4-21-15-18-18	425-16 0629		Preservatives: (1)	(5) H2SO4 (6) Na2SO3	Relinguished By (Sign)	CANA M		Comments	Shipped Via	

750

"Your Water and Wastewater Analysis Solution"



01 May 2015 Clinical Lab No.: 15D1904

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 04/22/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager



Lomita, City ofProjectStandard AnalysisWork Order:15D190424373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:04/22/15 16:00Lomita CA, 91717Project Manager:Mark AndersenReported:05/01/15

Filter Effluent Site (Chloramine) #3		15D1904-0	01 (Water)		Sample Date	e: 04/22/15	11:10 S a	ampler: 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	04/22/15	04/22/15	1517313
<u>Metals</u>								
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/26/15	04/27/15	1518018
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/26/15	04/27/15	1518018
Reservoir Effluent Site #5		15D1904-0	02 (Water)		Sample Date	e: 04/22/15	11:23 S a	ampler: Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier
General Chemical Analyses								
Total Filterable Residue/TDS	SM 2540C	710	5.0	1000	mg/L	04/27/15	04/29/15	1518031
ND Analyte NOT DETECTED at or above	the reporting limi	t						



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 04/29/15 14:22 Received Date: 04/23/15 12:55 Turnaround Time: 5 workdays

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

P.O. #:

Project: 15D1904

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 4/23/2015 with the Chain of Custody document. The samples were received in good condition, at 3.8 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5D23042-01	Sample l	ID: F	Reservoir E	ffluent Site	#5 / 15	D1904-02			Ma	atrix: Water
Sampled by: Client	Sampled	l: 04/22/	15 11:23							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.71		0.010	mg/l	1	RSK-175	4/22/15	4/23/15 14:43	W5D1286	





Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5D1286-BLK1)					Prepared: 04	/22/15	Analyzed: 04/22	/15 13:41	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5D1286-BS1)					Prepared: 04	/22/15	Analyzed: 04/22	/15 13:30	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.212		mg/l	0.198	107	85-115		
LCS Dup (W5D1286-BSD1)					Prepared: 04	/22/15	Analyzed: 04/22	/15 12:58	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.229		mg/l	0.198	115	85-115	8	20
Calibration Check (W5D1286-CCV1)					Prepared: 04	/22/15	Analyzed: 04/22	/15 13:19	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00704		mg/l	0.00792	89	50-150		

5D23042 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

5D23042 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino 15D1904

5023042

SENDING LABORATORY:	RECEIVING LABORATORY:
Clinical Laboratory of San Bernardino 21881 Barton Road Grand Terrace, CA 92313 Phone: 909.825.7693 Fax: 909.825.7696 Project Manager: Stu Styles	Weck Lab, Analytical & Environmental Analytical & Environmental Svc 14859 E Clark Ave Industry, CA 91745 Phone: (626) 336-2139 Fax: (626) 336-2634
Please email results to Project Manager: Stu Styles [] glaubig@clinical-lab.com [] glenney@clinical-lab California EDT transfer those samples with PS coo Transfer File requested; log in with Element ID on UCMR 3 CDX Transfer	o.com [Vstyles@clinical-lab.com des provided [] Yes [VNo nly [] Yes [] No [] Yes [VNo
	Other Days
Analysis	Comments
Sample ID: Reservoir Effluent Site #5 / 15D1904-02	Sampled: 04/22/15 11:23 PS Code: Water WTX ID: UCMR ID:
Methane RSK175 Containers Supplied: 40ml Amber Vial (A) 40ml Amber Vial (B)	Report in mg/L

38

 Soffle glasss green cap (Color) 8/1/3 (5D) 904 Chain of Custody

Clinical Laboratory of San Bernardino, Inc.

1			13	6					-			-				Γ
Cilent			City of Lomita	2	System Number	umper		Ana	Analysis Kequested	26	uest	g				
Address	SS	24	24373 Walnut Avenue		101	1010072]	N		
			Lomita, CA 91717		121	000		·					Met	Met		
Phone #	#		(310) 325-9830	Q	estinatio	Destination Laboratory	ory					DL.	har	han		
Fax#			(310) 325-3627	1	K] Clinica	[X] Clinical Laboratory	ory					ar I	ie (V	e (2		
Project	ب	1	Standard Analysis		CDWR C	CDWR Compliance	e	Iı	****					AIR		
Sub Project	roject	CWPF II	CWPF Weekly Compliance Analysis		Ī	YES	ē.	ron	gane	olved	s- 10 - Ort	olor s- To) (AS		
Comments	ents				ال ا	# 						.tal =	(R	TM		
Sampled by	ed by	Elvad	J. J. J. J.		Ť	1088						a P	SK17	D194		
Date	Time	Saı	Sample Idenitification	Matrix	Type	Preserv	Total Chlorine						5)	16)	Comments / P.S. Codes	v
			Raw Water Site #1	DW	1W	HCL									W13-005	
		,	Raw Water Site #1	DW	1W	N/A									W13-005	
51/21/1	11:10	' Filter Ef	Filter Effluent Site (Chloramine) #3	DW	1W	N/A		X	X		H		X		E13-005A	
								1		+	\dashv	\dashv	\dashv	\perp		
									\dashv	\dashv	\dashv	\dashv	\dashv	\dashv		
										\dashv	\dashv	\dashv	\dashv			
112/18	11:22	Re	Reservoir Effluent Site #5	DW	1W	N/A				×						
1/2/115	11:23	Re	Reservoir Effluent Site #5 γ	DW	1W	нсг				\vdash			X			
			Zone #2 Site #6	DW	1W	N/A										
			ı					\top		+	_	+				
Preserva	atives: (1	1) Na. S. O. 79	Preservatives: (1) Na.S.O. (2) HCI (3) HNO3 (4) NH4CI		Matrix:	DW-Drink	ing Water	- MA-1	Vaste	Wafe			- Wat	_ ₫	Matrix: DW-Drinking Water WW-Waste Water SW-Storm Water GW. Ground Water A-Air	
(5)	H2SO4 ((6) Na ₂ S ₂ O ₃ (2)	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:			Type- 1	Type- 1-Routine, 2	Rep	3at, 3-	$Re \rho la$	cenfe	7t, 4-	Specie	al W-	2-Repeat, 3-Replacenfelt, 4-Special W-Well D- Dist.	
Relin	quished	Relinquished By (Sign)	Print Name / Company	٨		Date/1	Time .		(Heck	iyed	ey (S	(Sign)		Print Name / Campany	
	W.	<u> </u>	Edward ONIVIC		422/	15/1	00.7		0	X	7				J-14 MONTY	Д
C	7		City of Lomita		4.22.1	1/517	29: h		3	K	X				1 () MININI ()	
Some	oriments.	3	2.mcen/cub			\	Samples received:	eceiv	Yed: 🛠	A C	On 1ce) c	In ()	Intact	() Custody seals	
Shipped Via	Via		[] Fed X [] Golden State	I J UPS	PS [] Client	Mother			4	#			^	Page_1_of_1_	
																1

"Your Water and Wastewater Analysis Solution"



23 April 2015 Clinical Lab No.: 15D1365

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 04/15/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager



Lomita, City ofProjectStandard AnalysisWork Order:15D136524373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:04/15/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:04/23/15

Filter Effluent Site (Chloramine) #3		15D1365-0	01 (Water)		Sample Date	e: 04/15/15	7:55 S	ampler: 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	04/16/15	04/16/15	1516602
<u>Metals</u>								
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/21/15	04/21/15	1517089
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/21/15	04/21/15	1517089
Reservoir Effluent Site #5		15D1365-0	02 (Water)		Sample Date	e: 04/15/15	7:58 S	ampler: Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier
General Chemical Analyses								
Total Filterable Residue/TDS	SM 2540C	680	5.0	1000	mg/L	04/16/15	04/20/15	1516485
ND Analyte NOT DETECTED at or above	the reporting limi	t						



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Report Date: 04/24/15 11:06
Received Date: 04/16/15 12:40
Turnaround Time: 5 workdays

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

P.O. #:

Project: 15D1365

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 4/16/2015 with the Chain of Custody document. The samples were received in good condition, at 2.4 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab ID: 5D16029-01	Sample	ID: F	Reservoir E	ffluent Site	#5 / 15	D1365-02			Ma	atrix: Water
Sampled by: Client	Sampled	l: 04/15/	15 07:58							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	1.0		0.010	ma/l	1	RSK-175	4/22/15	4/22/15 13:52	W5D1286	



Analytical Laboratory Service - Since 1964

Certificate of Analysis

Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

Blank (W5D1286-BLK1)					Prepared: 04/	22/15 Ar	alyzed: 04/2	2/15 13:41	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		ND		mg/l					
LCS (W5D1286-BS1)					Prepared: 04/	/22/15 Ar	nalyzed: 04/22	2/15 13:30	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPC Limi
Methane		0.212		mg/l	0.198	107	85-115		
LCS Dup (W5D1286-BSD1)					Prepared: 04/	/22/15 Ar	alyzed: 04/2	2/15 12:58	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.229		mg/l	0.198	115	85-115	8	20
Calibration Check (W5D1286-CCV1)					Prepared: 04/	/22/15 Ar	nalyzed: 04/22	2/15 13:19	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00704		mg/l	0.00792	89	50-150		



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

5D16029

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino

15D1365

5211029

SENDING LABORATORY: RECEIVING LABORATORY: Clinical Laboratory of San Bernardino Weck Lab, Analytical & Environmental
Bernardino Sect Manager: Stu Styles om [] glenney@clinical-lab.com [] sfer those samples with PS codes provid ted; log in with Element ID only sfer [10 Days [] 5 Days [] Other
Bernardino set Manager: Stu Styles m []glenney@clinical-lab.com [] sfer those samples with PS codes provid ted; log in with Element ID only sfer
Bernardino

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	Sinice	Clinical Laboratory of San Bernardino, Inc.	ino, In	1C.						, —	5	3	Ŕ.	Chain of Custody	
Client		City of Lomita	Sy	stem N	System Number		Anal	ysis	Analysis Requested	estec	_				Г
Address	Š	24373 Walnut Avenue		7	1010073							\vdash	<u> </u>		Г
		Lomita, CA 91717		3	00/0			****					 Met		
Phone #	#	(310) 325-9830	٥	estinatic	Destination Laboratory	tory		10					han		
Fax#		(310) 325-3627		X] Clinic	[X] Clinical Laboratory	tory							e (
Project		Standard Analysis		CDWR (CDWR Compliance	e	Iı				C		AIR		
Sub Project	oject	CWPF Weekly Compliance Analysis		回	YES ELAP#	Б	ron	ganes	- Orth olved	s- Tot	olor	TER)) (AS		
Comments	ents			1								-	гм і		
Sampled by	d by	Elward Jalane		_	1088			<u> </u>					D194		
Date	Time	Sample Idenitification	Matrix	Type	Preserv	Total Chlorine							I6)	Comments / P.S. Codes	
		Raw Water Site #1	DW	18	HCL					ļ			Z	W13-005	Т
		Raw Water Site #1	DW	1W	N/A								Z	W13-005	
	\														П
7-15-15	55/2	' Filter Effluent Site (Chloramine) #3	ΝG	<u>*</u>	N/A		×	×		_	×	+	E	E13-005A	Т
								+		1			+		Т
								+					+		Т
しひと	6759	Reservoir Effluent Site #5	DW	WI W	V/N				×						Τ
۲۱-۵۲۲	8520	Reservoir Effluent Site #5	DW	ž.	HCI,							×	\vdash		П
		Zone #2 Site #6	DW	IW	N/N					_					т-
									H				$\frac{1}{1}$		ГТ
Preserva	tives: (1	Preservatives: (1) Na,S ₂ O ₃ (2) HCl (3) HNO3 (4) NH4Cl		Matrix:	DW-Drink	Matrix: DW-Drinking Water, WW-Waste Water, Sty-Storm Water,	WW	/aste	Vater,	SW-S	form V		-MS	GW- Ground Water, A-Air	$\overline{}$
(5)	(5) H2SO4 ((6) Na2SO3 (7) Cold (8) Other:			Type- 1	Type- 1-Routine, 2-Repeat,	2-Repe	at, 3-F	Replac	ement	, 4-Sp		N-We	3-Replacement, 4-Special W-Well D- Dist.	
Roline	Turs Myd)	Robinguished By (Sign) Print Name / Company	,		Date / 7	Time			fefej	et By	By (Sign)	1)		Print Name / Company	
Ž,		KWAN Jaline		12 - 12 · 12 · 12 · 12 · 12 · 12 · 12 ·	\\ \!	1230	\uparrow	K	24				+	S. WICARO /CID IS	Ť
1	Z Z	City of Lomita		4.15	<u>.</u>	4.50	기		7	\uparrow			\dashv	A MININE	Т
Comment	ents	m - marchy con			9 2	Samples received: Ten	eceiv	ed:	<i>></i>	٥ ٢ ٢	$\Im $	Intact) F	~X) Custody seals C	
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"Your Water and Wastewater Analysis Solution"



24 April 2015 Clinical Lab No.: 15D1370

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 04/15/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager



Lomita, City ofProject:Standard AnalysisWork Order:15D137024373 Walnut AvenueSub Project:CWPF Weekly Non-Comp AnalysisReceived:04/15/15 16:30Lomita CA, 91717Project Manager:Mark AndersenReported:04/24/15

Filter Effluent Site #3		15D1370-0	01 (Water)		Sample Da	te: 04/15/15	12:18 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	04/15/15	04/15/15	1516551
Reservoir Effluent Site #5		15D1370-0	02 (Water)		Sample Da	te: 04/15/15	7:57 Sa	mpler: Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch Qualifier
General Chemical Analyses								
Hardness, Total (as CaCO3)	Calculated	290	6.6	N/A	mg/L	04/21/15	04/21/15	[CALC]
Ortho-Phosphate (as P)	HACH 8048	0.18	0.0067	N/A	mg/L	04/16/15	04/16/15	1516537
Phosphorus (Total as P)	HACH 8190	0.65	0.0067	N/A	mg/L	04/23/15	04/23/15	1517283
<u>Metals</u>								
Calcium (Ca)	EPA 200.7	74	1.0	N/A	mg/L	04/21/15	04/21/15	1517096
Magnesium (Mg)	EPA 200.7	25	1.0	N/A	mg/L	04/20/15	04/20/15	1517015
ND Analyte NOT DETECTED at or above	the reporting limi	t						

|5D|370 O/1/1

Clinical Laboratory of San Bernardino, Inc.

Client		City of Lomita	Sy	System Number	lumber		Analysis Requested	s Rec	nest	ed				
Address	S	24373 Walnut Avenue		2	10073		-		_					
		Lomita, CA 91717		0	2/00/81		Т				Me	Met		
Phone #	#	(310) 325-9830	7	estinatic	Destination Laboratory	tory	otal	To		Ph	tha	thar	-	
Fax#		(310) 325-3627		X] Clinic	[X] Clinical Laboratory		-	tal				1e (
Project		Standard Analysis		CDHP C	CDHP Compliance			Dis				AIF		
Sub Project	piect	CWPF Weekly Non-Comn Analysis			No		iess Alka	solv	e- O	us- 7		R) (A		
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Comments	nts			7				Soli				'M]	•	
Sampled by	d by	Edwork Dalivier			1088		Co3)	ds		. P	K17	D194		
Date	Time	Sample Idenitification	Matrix	Туре	Preserv	Total Chlorine	1				(5)	1 6)	Comments / P.S. Codes	Ş
		Raw Water Site #1	DW	1W	N/A									
-+	1													
4-15-15	1218	Filter Effluent Site #3	DW	1W	N/A					×				
		Reservoir Influent Site #4	DW	1W	N/A					_				
7-12-12	7270	Reservoir Effluent Site #5	DW	1W	N/A		X		X	X				
		Zone #2 Site #6	DW	1W	N/A					H				
		1							1					
Droson/ativos.		- 1		Modeline					-	\dashv	_ :			
(5)	H2SO4 (6	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:		Matrix.	Type- 1	maurx: DW-Drinking Water, WW-Waste Water, Type- 1-Routine, 2-Repeat, 3-Replac	2-Repeat, 3	te <i>Water, SW-St</i> c 3-Re <i>placem</i> ent,	ir, SW aceme	-Storn int, 4-	SW-Storm Water, ement, 4-Special	., GW 	GW- Ground Water, A-Air W-Well D- Dist.	
Reling	uished I	Relinquished By (Sign) Print Name / Company	A		Date / Time	Time	1	*	iyed	By (Sign)	ign)		Print Name / Company	T,
4/10	Tak Tak	=== Edward Millie		۲-	-11-18	1221	M	K	5		1		7. LAW PUB / CLI	X
7		the City of Lowite		4	31.51	14.30			D					1
Comme	Johnnews 7 TAT	TAT J. WAY DO J. C. S.	IJ			Samples received: Te	ceived: Tei	Temo T	<u> </u>	~	Intact () F	tact	() Custody seals	
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													1	7

"Your Water and Wastewater Analysis Solution"



20 April 2015 Clinical Lab No.: 15D0787

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 04/08/15 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

Stu Styles

Client Services Manager

tistes



Lomita, City ofProjectStandard AnalysisWork Order:15D078724373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:04/08/15 17:15Lomita CA, 91717Project Manager:Mark AndersenReported:04/20/15

Filter Effluent Site (Chloramine) #3		15D0787-0	01 (Water)		Sample Da	te: 04/08/15	8:45 S	ampler: N	Not Listed
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
General Physical Analyses									
Apparent Color	SM 2120B	ND	3.0	15	Color Units	04/08/15	04/08/15	1515485	
<u>Metals</u>									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/14/15	04/14/15	1516168	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/14/15	04/14/15	1516168	
ND Analyte NOT DETECTED at or above	e the reporting limi	t							



Analytical Laboratory Service - Since 1964

Report Date: 04/17/15 10:53
Received Date: 04/10/15 11:00
Turnaround Time: 5 workdays

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

P.O. #:

Project: 15D0787

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 4/10/2015 with the Chain of Custody document. The samples were received in good condition, at 3.3 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5D10030-01	Sample I	ID: I	Reservoir E	ffluent Site	#5 / 15	D0787-02			Ma	atrix: Water
Sampled by: Client	Sampled	l: 04/0 8/	15 08:45							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.44		0.010	ma/l	1	RSK-175	4/15/15	4/15/15 18:08	W5D0684	



Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

atch W5D0684 - RSK-175									
Blank (W5D0684-BLK1)					Prepared: 04/	/16/15 An	alyzed: 04/10	6/15 11:43	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethene		ND		mg/l					
Blank (W5D0684-BLK2)					Prepared: 04/	/15/15 An	alyzed: 04/1!	5/15 15:39	
Analyte	Sample	QC	Qualifier	Units	Spike	%REC	%REC	RPD	RPD
Methane	Result	Result ND	Qualifici	mg/l	Level	701120	Limits	11. 5	Limit
		ND		mgn	D	146145 4	-ld- 04/4/	. /4 = 42-25	
LCS (W5D0684-BS1)	Sample	QC			Prepared: 04/ Spike	16/15 An	alyzed: 04/10 %REC	5/15 12:25	RPD
Analyte	Result	Result	Qualifier	Units	Level	%REC	Limits	RPD	Limit
Ethene		0.624		mg/l	0.560	111	85-115		
.CS (W5D0684-BS2)					Prepared: 04/	15/15 An	alyzed: 04/1!	5/15 16:00	
Analyta	Sample	QC	Qualifier	Units	Spike	%REC	%REC	RPD	RPD
Analyte	Result	Result	Qualifier	Ullis	Level		Limits	KFD	Limit
Methane		0.208		mg/l	0.198	105	85-115		
Ethane		0.697		mg/l	0.660	106	85-115		
Calibration Check (W5D0684-CCV1)					Prepared: 04/	16/15 An	•	6/15 11:53	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Ethene		0.00492		mg/l	0.00560	88	0-200		LIIIII
Calibration Check (W5D0684-CCV2)		0.00.02		Ü	Prepared: 04/	/16/15 An	alvzed: 04/1	6/15 10·58	
campitation effect (17350004 eevz)	Sample	QC			Spike	•	%REC		RPD
Analyte	Result	Result	Qualifier	Units	Level	%REC	Limits	RPD	Limit
Ethene		0.499		mg/l	0.560	89	0-200		
Calibration Check (W5D0684-CCV3)					Prepared: 04/	15/15 An	alyzed: 04/1!	5/15 15:49	
Analyte	Sample	QC	Qualifier	Units	Spike	%REC	%REC	RPD	RPD
Analyte	Result	Result	Qualifier	Office	Level		Limits	KFD	Limit
Methane		0.00723		mg/l	0.00792	91	0-200		
Ethane		0.00765		mg/l	0.00660	116	0-200		
Calibration Check (W5D0684-CCV4)					Prepared: 04/	15/15 An	alyzed: 04/1	5/15 15:28	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.199		mg/l	0.198	100	0-200		
Ethane		0.755		mg/l	0.660	114	0-200		
Duplicate (W5D0684-DUP1)	s	ource: 5D10030)-01		Prepared: 04/	/15/15 An	alyzed: 04/1!	5/15 18:19	
	Sample	QC	Qualifier	Units	Spike	%REC	%REC	RPD	RPD
Analyte	Result	Result	Qualifier		Level	70REU	Limits		Limit
Methane		0.412		mg/l				7	20
Ethane	ND	ND		mg/l					

5D10030 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

5D10030 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino 15D0787

5010030

SENDING LABORATORY:	RECEIVING LABORATO	DRY:	
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 & I Analytical & Environmen Industry, CA 91745 Phone:(626) 336-2139 Fax: (626) 336-2634		rk Ave
Please email results to Project Manager: Stu Styles [] glaubig@clinical-lab.com [] glenney@clinical-	lab.com [v styles@clinical-lab.com		
California EDT transfer those samples with PS Transfer File requested; log in with Element ID UCMR 3 CDX Transfer	only [] Yes [1] No [] Yes [1] No		
Turn Around Time [] 10 Days [v 5 Days [Subcontract Comments:	Other Days		
Analysis		Comments	
Sample ID: Reservoir Effluent Site #5 / 15D0787-02	Sampled: 04/08/15 08:45 PS Code Water	:: WTX ID: UCMR ID:	V
Sample ID: Reservoir Effluent Site #5 / 15D0787-02 Methane RSK175		WTX ID:	V
		WTX ID: UCMR ID:	e/L

Released By Date / Time Received By Date / Time Date / Time

Client			City of Lomita	Sys	stem N	System Number		Analysis	ysis R	Requested	sted					
Address	s	2,	24373 Walnut Avenue		107	2700		-					-	<u></u>		
			Lomita, CA 91717		2	1910015						14161		Med		
Phone #	#		(310) 325-9830	Ď	estinatic	Destination Laboratory	ory		То		Pho					
Fax#			(310) 325-3627	۵	(] Clinic	[X] Clinical Laboratory	ory				ospł	16 (
Project	t		Standard Analysis		CDWR C	CDWR Compliance	9				oru			A TP		
Sub Project	oject	CWPF	CWPF Weekly Compliance Analysis			YES	t.	ron	solved Igane	e- Or	18- To	olor) (44		
Comments	ents				<u> </u>	# 		-			otal a	, (K		OTEN #		
Sampled by	ed by				~	1088			ids		ıs P	JIX1 /	D194 SK17	D10		
Date	Time	Sa	Sample Idenitification	Matrix	Type	Preserv	Total Chlorine					<i></i>			Comments / P.S.	. Codes
			Raw Water Site #1	DW	1W	HCL										
		,	Raw Water Site #1	DW	1W	N/A										
															THE PARTY OF THE P	
4-8-15	4-8-15 0845	* Filter E	' Filter Effluent Site (Chloramine) #3	DW	1W	N/A		×	×					583	1 813-	005A
4.8-15	0845	Filter E	Filter Effluent Site (Chloramine) #3	DW	1W	N/A						×		SP3	3/ E13-005A	SA
													_			
S1.8-H	8845	Re	Reservoir Effluent Site #5	DW	1W	V/N			*	À						
21.80 518-4	2480	Re	Reservoir Effluent Site #5	DW	1W	HCL							×			
5																
			Zone #2 Site #6	DW	1W	N/A										
			1											-		
Preserva	atives: (1	I) Na ₂ S ₂ O ₃ (2	Preservatives: (1) Na ₅ S ₂ O ₃ (2) HCl (3) HNO3 (4) NH4Cl		Matrix:	DW-Drink	ing Water, V	₩-W	aste W	ater, S	W-Sto	rm Wa	iter, G	JW- Gro	Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, A-Air	ir
(5)	H2SO4 ((6) Na2SO3 ((5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:			Type- 1	Type- 1-Routine, 2-Repeat, 3-Replacement, 4-Special W-Well D-Dist.	-Repe	at, 3-Re	placer	nent,	4-Spec	ial M	V-Well I	D- Dist.	
Relin	quished	Relinquished By (Sign)	Print Name / Company	٨		Date / 7	Time		~	Preived	E.	(Sign)		P	Print Name / Gompany	mpany
h	W.A.	A	CITY OF LOME	KIZ	4.8	151-8	1:10		1	7	7	Z		h	J. Lucho	clsB
J	STATE OF THE PARTY	Mm	City of Lomita		8.7	1/51/	51.5			1	7	1	5		an Miller de	۸
Comments	ents:		7.mcalo 0.1515			<u> </u>	Samples received: Ten	eceiv	ed: X Temp	(X)-	Sn ice	30	Intact) F) Custody seals	ıls
Shipped Via	Via		[] Fed X [] Golden State	[] UPS		[] Client	[] Other							Pa	Page_1_of_1_	

"Your Water and Wastewater Analysis Solution"



16 April 2015 Clinical Lab No.: 15D0897

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 04/09/15 . 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

tistes



Lomita, City ofProjectStandard AnalysisWork Order:15D089724373 Walnut AvenueSub Project:CWPF Weekly Compliance AnalysisReceived:04/09/15 19:30Lomita CA, 91717Project Manager:Mark AndersenReported:04/16/15

Reservoir Effluent Site #5		15D0897-0	01 (Water)		Sample Da	te: 04/09/15	5 10:15 S	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	680	5.0	1000	mg/L	04/10/15	04/13/15	1515598	3
ND Analyte NOT DETECTED at or a	bove the reporting limit								

(SD897) Chain of Custody

Clinical Laboratory of San Bernardino, Inc.

Client			City of I amita	mita	Š	System Number	umber		Analy	Analysis Reguested	AIID	70			
			cay of ron		5					2013	Sanh		F		
Address	S	24	24373 Walnut Avenue	Avenue		191	1910073								
			Lomita, CA 91717	91717		2							Met	let	
Phone #	#		(310) 325-9830	830	Q	estinatio	Destination Laboratory	tory		To		Pho	han	han	
Fax#			(310) 325-3627	1627	1	K] Clinica	[X] Clinical Laboratory	tory				sph	ie (V	e (A	
Project			Standard Analysis	alysis		CDWR C	CDWR Compliance	Q						AIR	
4.0	100	Tanno	7	,			YES		gan ron			oloi is- T		R) (A	
and Project	ojeci	CWFF	reekiy compi	CWFF Weekly Compilance Indivisis		E	ELAP#	es Outages	ese					ST	-
Comments	ents	-	-			7	000			Solic	o as	ıl as	(RS	МІ	
Sampled by	d by	Ehn	ELWark M	U. v.ic •			000			is		P	K17:	194	
Date	Time		Sample Idenitification	ification	Matrix	Type	Preserv	Total Chlorine					5)	6)	Comments / P.S. Codes
			Raw Water Site #1	ite #1	MO	1W	HCL								W13-005
بدا		,	Raw Water Site #1	lite #1	20	W.	Z/Z								W13-005
-							Minimum de not d								
		, Filter E	Filter Effluent Site (Chloramine) #3	hloramine) #3	<u>~</u>	I.W	V/N	7							E13-005A
4-8-15	1015	Re	Reservoir Effluent Site #5	nt Site #5	2//0	<u>*</u>	V/V			X					
		Re	Reservoir Effluent Site #5	nt Site #5	DW	N I	HC.I.								
			Zone #2 Site	Site #6	DW	<u>*</u>	N/N								
		1		•							\top	\perp			
Preserva	tives: (1	I) Na ₂ S ₂ O ₃ (2)	Preservatives: (1) Na ₂ S ₂ O ₃ (2) HCI (3) HNO ₃	(4) NH4CI		Matrix:	DW-Drink	ing Water,	WW-Wa		er, SM	-Storn	ı Water	, GW.	Matrix: DW-Drinking Water, WW-Waster, SW-Storm Water, GW- Ground Water, A-Air
(2)	H2S04 ((6) Na2SO3 (7	(5) H2SO4 (6) Na2SO3 (7) Cold (8) Other:	1 - 1			Type- 1	Type- 1-Routine, 2	P-Repoa	1, 3-Rер	lacem	ent, 4-:	Special	W-W	2-Report, 3-Replacement, 4-Special W-Well D-Dist.
Reling	uished .	Relinguished By (Sign)	Print.	Print Name / Company			Date / Time	Time		Re	seived	Received By (Sign)	ign)		Print Name / Company
YM3	SIMO	7	Edward	() () () () ()		-ζ. h	7-15	40%	-	\\ \Z	(S)	4			CLSB
1 W	7~0 v		Ci	City of Lomita		4.9	-18	7.30		12	200		HF,		Bob Glauby / CLSB
Comments:	ents:	Container		Shand w/other Coc		_	G 1	Samples received: (1/2) Onfice Temp	eceive T	ed: (🌾) Temp	2 00		β) Intact () F (act	() Custody seals () C
Shipped Via	Via		[] Fed X	[] Golden State	Sanll	_	Client	[] Other							Page_1_ of 1

"Your Water and Wastewater Analysis Solution"



13 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,

Stu Styles

Client Services Manager



Lomita, City ofProject:Standard AnalysisWork Order:15D018124373 Walnut AvenueSub Project:CWPF Monthly Compliance AnalysisReceived:04/01/15 17:00Lomita CA, 91717Project Manager:Mark AndersenReported:04/13/15

Raw Water Site #1		15D0181-	01 (Water)		Sample Da	te: 04/01/15	11:16	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	d Batch	Qualifier
Microbiology Analyses									
Total Coliform	SM 9223	A		N/A	P/A	04/01/15	04/02/15	1514403	i
E. Coli	SM 9223	A		N/A	P/A	04/01/15	04/02/15	1514403	i
General Physical Analyses									
Apparent Color	SM 2120B	15.0	3.0	15	Color Units	04/01/15	04/01/15	1514421	
Odor Threshold	EPA 140.1M	> 5	1	3	TON	04/01/15	04/01/15	1514421	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	650	5.0	1000	mg/L	04/02/15	04/06/15	1514368	l .
<u>Metals</u>									
Iron (Fe)	EPA 200.7	250	100	300	ug/L	04/06/15	04/07/15	1515080	1
Manganese (Mn)	EPA 200.7	100	20	50	ug/L	04/06/15	04/07/15	1515080)
Filter Effluent (Free Chlorine) Site #2		15D0181-	02 (Water)		Sample Da	te: 04/01/15	11:18	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	d Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	7.36		N/A	mg/L	04/01/15	04/01/15	1514371	
Microbiology Analyses									
Total Coliform	SM 9223	A		N/A	P/A	04/01/15	04/02/15	1514403	i
E. Coli	SM 9223	A		N/A	P/A	04/01/15	04/02/15	1514403	i
Plate Count	SM9215B	ND	1	500	CFU/ml	04/01/15	04/03/15	1514466	i
Filter Effluent Site (Chloramine) #3		15D0181-	03 (Water)		Sample Da	te: 04/01/15	11:20	Sampler:	Edward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	d Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	8.16		N/A	mg/L	04/01/15	04/01/15	1514371	
General Physical Analyses									
Apparent Color	SM 2120B	7.5	3.0	15	Color Units	04/01/15	04/01/15	1514421	
Odor Threshold	EPA 140.1M	5	1	3	TON	04/01/15	04/01/15	1514421	
Metals									
Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/06/15	04/07/15	1515080	1
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/06/15	04/07/15	1515080)



Lomita, City ofProjectStandard AnalysisWork Order:15D018124373 Walnut AvenueSub Project:CWPF Monthly Compliance AnalysisReceived:04/01/15 17:00Lomita CA, 91717Project Manager:Mark AndersenReported:04/13/15

Reservoir Effluent Site #5		15D0181-0	04 (Water)		Sample Da	te: 04/01/13	5 11:26 Sa	mpler: E	dward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	3.7		N/A	mg/L	04/01/15	04/01/15	1514371	
General Physical Analyses									
Apparent Color	SM 2120B	ND	3.0	15	Color Units	04/01/15	04/01/15	1514421	
Odor Threshold	EPA 140.1M	5	1	3	TON	04/01/15	04/01/15	1514421	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	660	5.0	1000	mg/L	04/02/15	04/06/15	1514368	
Zone #2 Site #6		15D0181-0	05 (Water)		Sample Da	te: 04/01/1:	5 11:21 Sa	mpler: E	dward Duvivier
Analyte	Method	Result	Rep. Limit	MCL	Units	Prepared	Analyzed	Batch	Qualifier
Field Analyses									
Cl Res Total (Field)	Field	2.12		N/A	mg/L	04/01/15	04/01/15	1514371	
General Chemical Analyses									
Total Filterable Residue/TDS	SM 2540C	650	5.0	1000	mg/L	04/02/15	04/06/15	1514368	
ND Analyte NOT DETECTED at or a	bove the reporting limit	t							

Certificate of Analysis

Report Date: 04/08/15 16:53 Received Date: 04/02/15 13:10 Turnaround Time: 5 workdays

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

P.O. #:

Project: 15D0181

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 4/2/2015 with the Chain of Custody document. The samples were received in good condition, at 3.5 °C and on ice. All analysis met the method criteria except as noted below or in the report with data qualifiers.

Lab Sample ID: 5D02028-01 Sampled by: Client	Sample I Sampled		Raw Water /15 11:16	Site #1 / 15	D0181-0	1			Ма	atrix: Water
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	6.1		0.20	mg/l	20	RSK-175	4/6/15	4/7/15 13:26	W5D0346	
Lab Sample ID: 5D02028-02	Sample I	D:	Reservoir E	ffluent Site	e #5 / 15l	D0181-04			Ма	ntrix: Water
Sampled by: Client	Sampled	: 04/01	/15 11:26							
Analyte	Result	MDL	MRL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Methane	0.55		0.010	mg/l	1	RSK-175	4/6/15	4/6/15 17:21	W5D0346	

5D02028 Page 1 of 3





Certificate of Analysis

Quality Control Section

Dissolved Gases in Water by RSK-175 - Quality Control

LCS (W5D0346-BS1)					Prepared: 04/	06/15 Ana	lyzed: 04/06	5/15 16:59	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.207		mg/l	0.198	104	85-115		
Calibration Check (W5D0346-CCV1)					Prepared: 04/	06/15 Ana	lyzed: 04/06	5/15 16:48	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.00691		mg/l	0.00792	87	0-200		
Calibration Check (W5D0346-CCV2)					Prepared: 04/	06/15 Ana	lyzed: 04/06	5/15 16:27	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane		0.201		mg/l	0.198	102	0-200		
Duplicate (W5D0346-DUP1)	So	urce: 5D02028	3-02		Prepared: 04/	06/15 Ana	lyzed: 04/06	5/15 17:31	
Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Methane	0.546	0.658		mg/l	·			19	20

5D02028 Page 2 of 3



Certificate of Analysis

Notes:

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

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

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

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

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

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

Authorized Signature

Contact: Brandon Gee (Project Manager)









ELAP # 1132 LACSD # 10143 NELAC # 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

5D02028 Page 3 of 3

SUBCONTRACT ORDER

Clinical Laboratory of San Bernardino 15D0181

5202028

1	leased By	BIDLY 04/02/15 13:15	Containers Supplied: 40ml Amber Vial (B) 40ml Amber Vial (C)	Methane RSK175	Sample ID: Reservoir Effluent Site #5 / 15D0181-04 Sam Wat	40mL Amber Vial w/ Na2! 40mL Amber Vial w/ Na2!	Mcthane RSK175 Containers Supplied:	Water Site #1 / 15D0181-01	Analysis	Turn Around Time [] 10 Days [V 5 Days [] Other Subcontract Comments:	[] glaubig@clinical-lab.com [] glenney@clinical-lab.com [√] st California EDT transfer those samples with PS codes provided Transfer File requested; log in with Element ID only UCMR 3 CDX Transfer	Please email results to Project Manager: Stu Styles	Fax: 909.825.7696 Project Manager: Stu Styles	Urand letrace, CA 92313 Phone: 909.825.7693	Cimical Laboratory of San Bernardino 21881 Barton Road	SENDING LABORATORY:	
Recorded by	Jamahmith 4/2	Main		R	Sampled: 04/01/15 11:26 PS Code: WTX ID: UCMR ID:		מי	Sampled: 04/01/15 11:16 PS Code: WTX ID: UCMR ID:		Days	[V] styles@clinical-lab.com wided [] Yes [V] No [] Yes [] No [] Yes [, No		Fax: (626) 336-2634	Industry, CA 91745 Phone :(626) 336-2139	Weck Lab, Analytical & Environmental Analytical & Environmental Svc 14859 E Clark	RECEIVING LABORATORY:	
Date / Lime	Date/Tin 18 13/0	4-2-15/1:10		Report in mg/L	D:		Report in mg/L	: D:	Comments						tental 4859 E Clark Ave		

Chain of Custody

2/3/8

Comments / P.S. Codes Print Name / Company Custody seals Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW- Ground Water, A-Air Page_1_ of_1_ S.LMCOPP. Type- 1-Routine, 2-Repeat, 3/Replacement, 4-Special W-Well D-Dist. AIntact Methane (WATER) (RSK175) × × Color & Odor Ceived By (Sign) Clinical Laboratory of San Bernardino, Inc. – 4 gluss vivits

12 Bernardino, Inc. – 4 gluss vivits × **Total Coliform Analysis Requested** Samples received: Fon ice Temp 15.9 × **HPC** × Total/E.coli P/A **Total Dissolved Solids** Manganese × Iron 1245 [] Other 370 None Chlorine 5:00 None None Nose و س Date / Time Destination Laboratory [X] Clinical Laboratory CDWR Compliance 1910073 [] Client Thio System Number Preserv Thio 건 N/A N/A X X **X** IICL N/A N/A N/A ELAP# 1088 4-1-201 Type **1W 1**₩ **1** 1₩ **1**₩ <u>¥</u> <u>≯</u> 11 11 110 1 | | UPS ĕ ĕ ĕ δW DΨ ρM DΜ DW City of Lomita DΨ DW DW Print Name / Company [] Golden State しいいいい Filter Effluent (Free Chlorine) Site # 1 CWPF Monthly Compliance Analysis Filter Effluent (Chloramine) Site #3 (Filter Effluent (Chloramine) Site #3 Preservatives: (1) Na₂S₂O₃ (2) HCI (3) HNO₃ (4) NH4CI Sample Idenitification Reservoir Effluent Site #5 Reservoir Effluent Site #5 Reservoir Effluent Site #5 24373 Walnut Avenue Lomita, CA 91717 Monthly Samples April 2015 Standard Analysis Raw Water Site #1 Raw Water Site #1 Raw Water Site #1 Raw Water Site #1 Filmery Divine City of Lomita (310) 325-9830 (310) 325-3627 Zone #2 Site #6 Ed vard (5) H2SO4 (6) Na2SO3 (7) Cold (8) Other: [] Fed X55% well, Relinquished By (Sign) Time comments: = 25 **Sub Project** SE レミ 120 Sampled by SI 4-1-15/1118 Comments Shipped Via Address Phone # Project 1-1-1 4.1-15 ムニナ 1-1-K 7-1-1 4-1-18 4-1-1 アード 4-1-15 Fax# 7-1-15 Date

"Your Water and Wastewater Analysis Solution"

ON ITE

Appendix B

Methane Monitoring Log



CITY OF LOMITA CPWF HANDHELD METHANE LOG READINGS

		April 201!	5
Date	Time	Methane Handheld	Comments
		CH4-3%	
4/1/2015	3:00 PM	Oxy-20.1%	
		CH4-3%	
4/2/2015	2:45 PM	Oxy-20.1%	
		CH4-0%	
4/3/2015	1:45 PM	Oxy-20.2%	
4/4/2015			
4/5/2015			
		CH4-0%	
4/6/2015	9:00 AM	Oxy-20.1%	
		CH4-0%	
4/7/2015	0800 AM	Oxy-20.4%	
		CH4-1%	
4/8/2015	2:40 PM	Oxy-20.4%	
		CH4-0%	
4/9/2015	3:35 PM	Oxy-20.1%	
4/10/2015	1		
4/11/2015			
4/12/2015		2114 224	
. / /		CH4 - 0%	
4/13/2015	7:45 AM	Oxy - 20.4%	
4/44/2045	2 00 014	CH4-0%	
4/14/2015	2:00 PM	Oxy-20.0%	
4/45/2045	2 20 214	CH4-1%	
4/15/2015	2:20 PM	Oxy-20.3%	
4/1C/201E	2.20 DM	CH4-0%	
4/16/2015	3:30 PM	Oxy-20.4% CH4-0%	
4/17/2015	2.20 DM		
4/17/2015	2:20 PM	Oxy-20.6%	
4/18/2015			
4/10/2013			
4/19/2015			
4/13/2013		CH4-0%	
4/20/2015	3:30 PM	Oxy-20.6%	
1/20/2013	3.30 1 141	CH4-2%	
4/21/2015	3:00 PM	Oxy-20.4%	
1,21,2015	5.00	CH4-4%	
4/22/2015	2:45 PM	Oxy-20.2%	
, ,		CH4-0%	
4/23/2015	12:00 PM	Oxy-20.3%	
		, , , , , , , , , , , , , , , , , , ,	
4/24/2015			1
	1		
4/25/2015			1
	İ		
4/26/2015			1
		CH4-0%	
4/27/2015	2:00 PM	Oxy-20.3%]
		CH4-0%	
4/28/2015	1:45 PM	Oxy-20.3%	
		CH4-0%	
4/29/2015	12:30 PM	Oxy-20.0%	
		CH4-0%	
4/30/2015	3:25 PM	Oxy-20.1%]
., 55/2013	JJ : IVI	,	l .

ND- Non Detect

CH4- Methane

Oxy-Oxygen Weekend/Day OFF/Holiday- Green