

CITY OF LOMITA



Cypress Water Production Facility Monthly Status Report

April 2019

TABLE OF CONTENTS

COVER LETTER	1
A. BACKGROUND	2
B. WELL PRODUCTION AND OPERATIONS	2
C. OPERATIONAL INTERRUPTIONS	2
D. SAMPLE LOCATIONS	2
E. WATER QUALITY MONITORING	3
E1. IRON, MANGANESE AND COLOR	3
E2. FREE AND TOTAL CHLORINE RESIDUALS	3
E3. TOTAL DISSOLVED SOLIDS (TDS), ODOR, HARDNESS AND METHANE...	3
E3-1 TOTAL DISSOLVED SOLIDS (TDS)	3
E3-2 HARDNESS	3
E3-3 DISSOLVED METHANE (IN WATER)	4
E3-4 METHANE (IN AIR)	4
E3-5 ODOR	4
E3-6 TOTAL PHOSPHATE/ORTHOPHOSPHATE	4
E4. NITRIFICATION MONITORING	4
F. TABLES	5-6

CITY COUNCIL

HENRY SANCHEZ, JR
JIM GAZELEY
MICHAEL SAVIDAN
CINDY SEGAWA
MARK WARONEK



ADMINISTRATION

RYAN SMOOT
CITY MANAGER

May 9, 2019

Mr. Dmitry Ginzburg, 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, 2019.

Dear Mr. Ginzburg,

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 2019.

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

Sincerely,

Mark Andersen
Chief Water Operations Manager

A. BACKGROUND

On May 30, 2018, the City of Lomita received its Domestic Water Supply Permit Amendment from the State Water Resources Control Board, Division of Drinking Water to distribute blended water from the Cypress Water Production Facility (CWPF) Well No. 5 to the City's customers.

The CWPF is an iron-manganese greensand filtration treatment system designed to remove primarily iron, manganese, and color. The CWPF was recently modified to enable aeration and blending with Metropolitan Water District (MWD) imported water to address the aesthetic secondary issues of Total Dissolved Solids (TDS), Hardness (as Calcium Carbonate), and Taste/Odor.

The CWPF came online on April 1, 2013. The first week of operations from April 1 to April 5, 2013 was utilized for conducting routine startup activities. The distribution of blended water to the City's residents began on April 5, 2013.

B. WELL PRODUCTION

The CWPF operated continuously during the month of April 2019 maintaining water levels inside the reservoir ranging from 7 feet to 10 feet. The average flow from Well No. 5 was 372 gpm and 572 gpm from MWD. The blend ratio for month was 40% Well water and 60% MWD water. See Table 1 below for production totals for the month of April 2019.

Table 1. Monthly Production Totals.

	Production for April 2019		
Well No. 5	42.88 ac-ft		13,972,109 (gallons)
MWD	65.38 ac-ft		21,303,000 (gallons)
Combined Total	108.26 ac-ft		35,275,109 (gallons)
Daily	3.61 ac-ft/day		1,175,837 (gallons/day)

C. OPERATIONAL INTERRUPTIONS

The CWPF was offline for one day due to VFD issues. Routine and preventive maintenance was performed on various pieces of equipment as-needed. No major planned operational interruptions are anticipated for the following month.

D. 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.

E. WATER QUALITY MONITORING

All water quality monitoring analyses were performed by laboratories certified by the Department of Health's Environmental Laboratory Accreditation Branch (ELAB). The CWPF has been continuously monitored, maintained and inspected, per the CWPF Operations Monitoring and Maintenance Plan. A brief discussion of the laboratory and/or monitoring results is provided below. Refer to Appendix A for laboratory results.

E1. IRON, MANGANESE AND COLOR

See Table 2 below for a summary of the results for the compliance monitoring at the three sample locations SP1 through SP3. Color for raw water (SP1) was below the MCL level. Iron for raw water was below the MCL level and Manganese was above the MCL level for the month. Iron and Manganese levels before entering the reservoir (SP3) show non-detect, indicating the greensand filtration system remains highly effective.

E2. FREE AND TOTAL CHLORINE RESIDUALS

Daily free chlorine residuals were monitored at SP2, SP3, SP4 and SP5. Daily total chlorine residuals were monitored at SP3, SP4 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 3 below for a weekly summary of results.

E3. TOTAL DISSOLVED SOLIDS (TDS), ODOR, HARDNESS AND METHANE

See Table 4 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.

E3-1 TOTAL DISSOLVED SOLIDS (TDS)

The sampling results indicate the TDS levels of the effluent blended water to be on average 484 mg/L. The TDS level of the effluent water is below 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 820 mg/L and 280 mg/L, respectively.

E3-2 HARDNESS

The sampling results for the month indicate the hardness levels of the blended water to be on average 220 mg/L. This hardness level meets 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.

E3-3 DISSOLVED METHANE (IN WATER)

The methane levels in the CWPF effluent after aeration treatment remain negligible averaging 0.26 mg/L.

E3-4 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 2019 in Appendix B.

E3-5 ODOR

The odor levels at the CWPF effluent averaged 1.8 units for the month. Odor levels within the distribution system averaged 1.3 units for the month.

E3-6 TOTAL PHOSPHATE AND ORTHOPHOSPHATE

See Table 5 below for a summary of the results for the monitoring of Orthophosphate and Total Phosphate both in the distribution system and CWPF.

E4. NITRIFICATION MONITORING

Weekly nitrification sampling was performed during this month following the City's Nitrification Monitoring Plan. Refer to Appendix C for results.

F. TABLES

Table 2. Monitoring Results for SP1, SP2, and SP3 Sample Locations.

Date, week of	SP1, Well Raw Water Discharge							SP2, Combined Pressure Filter Effluent			SP3, After chloramination static mixer; reservoir entry					
	Iron, ug/L	*MCL = 300 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
4/2/2019											ND	300	ND	50	5	15
4/9/2019	170	300	140	50	10	15	A	A	ND	500	ND	300	ND	50	7.5	15
4/17/2019											ND	300	ND	50	5	15
4/23/2019											ND	300	ND	50	7.5	15
4/30/2019											ND	300	ND	50	5	15

Notes:

Monthly- Orange; Weekly- Yellow

A – Absent

ND – Non Detect

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

Table 3. Monitoring Results for Free and Total Chlorine at SP2, SP3, SP4 and SP5 Sample Locations.

Date, week of	SP2	SP3			SP4			SP5		
	Free Cl	Free Cl	Total Cl	Total NH ₃	Free Cl	Total Cl	Total NH ₃	Free Cl	Total Cl	Total NH ₃
4/2/2019	8.60	0.90	6.20	0.79	0.68	4.52	0.71	0.12	3.48	0.65
4/9/2019	9.23	1.00	7.20	0.80	0.50	4.73	0.62	0.06	3.32	0.60
4/17/2019	8.97	0.75	6.35	0.73	0.44	4.74	0.63	0.13	3.36	0.56
4/23/2019	8.80	0.95	8.20	0.85	0.50	4.88	0.76	0.07	3.52	0.66
4/30/2019	8.80	1.00	8.20	0.90	-	4.92	0.90	0.07	3.45	0.61

Table 4. Monitoring Requirements and Frequencies for SP1, SP5, and SP6.

Date, week of	TDS, mg/L				T.O.N.		Hardness, mg/L				Methane (Water), mg/L	
	SP1 - Raw Well Water	SP6 - MWD Water	SP5 - Reservoir Effluent	Goal= 500 - 750 mg/L	SP5 - Reservoir Effluent	MCL= 3	SP1 - Raw Well Water	SP6 - MWD Water	SP5 - Reservoir Effluent	Goal= 180 - 250 mg/L	SP1 - Raw Well Water	SP5 - Reservoir Effluent
4/2/2019			490	500-750	2	3						0.27
4/9/2019	820	280	490	500-750	1	3	360	110	220	180-250	2.3	0.26
4/17/2019			490	500-750	2	3						0.24
4/23/2019			470	500-750	2	3						0.24
4/30/2019			480	500-750	2	3						0.29
Average			484	500-750	1.8	3						0.26

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

Table 5. Monitoring Requirements and Frequencies for Total Phosphate and Orthophosphate.

Sample Location	Date, week of	Total Phosphate, mg/L	Orthophosphate, mg/L
1948 W 252 nd St	4/9/19	0.48	0.57
24632 S Moon Ave		0.47	0.55
2450 W 247 th St		0.46	0.59
2052 Dawn St		0.51	0.57
CWPF SP5		0.49	-

Notes:

Monthly- Orange;

mg/L – milligram per liter

City of Lomita; System No. 1910073

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

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

APPENDIX A

LABORATORY RESULTS

Clinical Laboratory of San Bernardino, Inc.



15 April 2019

Clinical Lab No.: 19D0335

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

Project Name: Standard Analysis
Sub Project: CWPF 1st Week of April, 2019

Enclosed are the results of the analyses for samples received at the laboratory on 04/02/19 . 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

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWPf 1st Week of April, 2019
Project Manager: Mark Andersen

Work Order: 19D0335
Received: 04/02/19 16:25
Reported: 04/15/19

Reservoir Influent Site #3 **19D0335-01 (Water)** **Sample Date:** 04/02/19 6:10 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	8.8		N/A	mg/L	04/02/19	04/02/19	1914142	
pH (Field)	Field	7.78		N/A	pH Units	04/02/19	04/02/19	1914142	
Temperature (Field)	Field	22.8		N/A	°C	04/02/19	04/02/19	1914142	

General Physical Analyses

Apparent Color	SM 2120BM	5.0	3.0	15	Color Units	04/02/19	04/02/19	1914123	
-----------------------	-----------	------------	-----	----	-------------	----------	----------	---------	--

Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/05/19	04/05/19	1914182	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/05/19	04/05/19	1914182	

Reservoir Effluent Site #5 **19D0335-02 (Water)** **Sample Date:** 04/02/19 9:30 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.619		N/A	mg/L	04/02/19	04/02/19	1914142	
pH (Field)	Field	8.17		N/A	pH Units	04/02/19	04/02/19	1914142	
Temperature (Field)	Field	19.4		N/A	°C	04/02/19	04/02/19	1914142	

General Physical Analyses

Apparent Color	SM 2120BM	ND	3.0	15	Color Units	04/02/19	04/02/19	1914123	
Odor Threshold	EPA 140.1-M	2	1	3	TON	04/02/19	04/02/19	1914123	

General Chemical Analyses

Total Filterable Residue/TDS	SM 2540C	490	5.0	1000	mg/L	04/04/19	04/08/19	1914186	
-------------------------------------	----------	------------	-----	------	------	----------	----------	---------	--

ND Analyte NOT DETECTED at or above the reporting limit



April 11, 2019

Clinical Laboratory of San Bernardino
ATTN: Stu Styles
21881 Barton Rd.
Grand Terrace, CA 92313



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: 19D0335
Lab Number: K040401-01

Enclosed are results for sample(s) received 4/04/19 by Air Technology Laboratories. Samples were received intact and chilled to 1° C. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
19D0335

K040401-81

SENDING LABORATORY:

Clinical Laboratory of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone: 909.825.7693
Fax: 909.825.7696
Project Manager: Stu Styles

RECEIVING LABORATORY:

Air Technology Labs
18501 East Gale Avenue Suite 130
City of Industry, CA 91748
Phone : (626) 964-4032
Fax:

Please email results to Project Manager: Stu Styles

[] glaubig@clinical-lab.com [x] styles@clinical-lab.com [] bernstein@clinical-lab.com

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

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

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

Subcontract Comments:

AnalysisComments

Sample ID: Reservoir Effluent Site #5 / 19D0335-02

Sampled: 04/02/19 09:30 PS Code:
Water

WTX ID:

Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

Client: Clinical Laboratory
Attn: Stu Styles
Project Name: NA
Project No.: 19D0335
Date Received: 04/04/19
Matrix: Water
Reporting Units: mg/L

RSK175

Lab No.:	K040401-01						
Client Sample I.D.:	Reservoir Effluent Site #5 / 19D0335-02						
Date/Time Sampled:	4/2/19 9:30						
Date/Time Analyzed:	4/8/19 9:47						
QC Batch No.:	190408GC8A1						
Analyst Initials:	CM/AS						
Dilution Factor:	1.0						
ANALYTE	Result mg/L	RL mg/L					
Methane	0.27	0.0010					

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Mark Johnson
Operations Manager

Date

4/11/19

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 190408GC8A1

Matrix: Air

Reporting Units: mg/L

RSK175 LABORATORY CONTROL SAMPLE SUMMARY											
Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	4/8/19 9:20			4/8/19 8:51		4/8/19 9:06					
Analyst Initials:	CM/AS			CM/AS		CM/AS					
Dilution Factor:	1.0			1.0		1.0					
ANALYTE	Result mg/L	RL mg/L	SPIKE AMT. mg/L	Result mg/L	% Rec.	Result mg/L	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Methane	ND	0.0010	0.654	0.681	104	0.677	103	0.6	70	130	30

ND= Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date

4/11/19

The cover letter is an integral part of this analytical report



0/3/4

[illegible]

Clinical Laboratory of San Bernardino, Inc.



22 April 2019

Clinical Lab No.: 19D0893

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

Project Name: Standard Analysis
Sub Project: CWPf Monthly Compliance Samples, 2nd Wk of April

Enclosed are the results of the analyses for samples received at the laboratory on 04/09/19 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles
Client Services Manager

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWPf Monthly Compliance Samples, 2nd Wk of Apr
Project Manager: Mark Andersen

Work Order: 19D0893
Received: 04/09/19 18:22
Reported: 04/22/19

Raw Water Site #1

19D0893-01 (Water)

Sample Date: 04/09/19 9:40 Sampler: Patrick McCue

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

Field Analyses

Cl Res Total (Field)	Field	0		N/A	mg/L	04/09/19	04/09/19	1915093	
pH (Field)	Field	7.79		N/A	pH Units	04/09/19	04/09/19	1915093	
Temperature (Field)	Field	23.6		N/A	°C	04/09/19	04/09/19	1915093	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	04/09/19	04/10/19	1915089	
E. Coli	SM 9223	A		N/A	P/A	04/09/19	04/10/19	1915089	
Plate Count	SM9215B	29	1	500	CFU/ml	04/09/19	04/11/19	1915130	HT-08

General Physical Analyses

Apparent Color	SM 2120BM	10.0	3.0	15	Color Units	04/09/19	04/09/19	1915091	
----------------	-----------	------	-----	----	-------------	----------	----------	---------	--

General Chemical Analyses

Hardness, Total (as CaCO ₃)	Calculated	360	6.6	N/A	mg/L	04/15/19	04/15/19	[CALC]	
Total Filterable Residue/TDS	SM 2540C	820	5.0	1000	mg/L	04/12/19	04/15/19	1915161	

Metals

Calcium (Ca)	EPA 200.7	97	1.0	N/A	mg/L	04/15/19	04/15/19	1916014	
Iron (Fe)	EPA 200.7	170	100	300	ug/L	04/16/19	04/16/19	1916052	
Magnesium (Mg)	EPA 200.7	30	1.0	N/A	mg/L	04/15/19	04/15/19	1916014	
Manganese (Mn)	EPA 200.7	140	20	50	ug/L	04/16/19	04/16/19	1916052	

Filter Effluent (Free Chlorine) Site #2

19D0893-02 (Water)

Sample Date: 04/09/19 9:50 Sampler: Patrick McCue

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

Field Analyses

Cl Res Total (Field)	Field	9.7		N/A	mg/L	04/09/19	04/09/19	1915093	
pH (Field)	Field	7.8		N/A	pH Units	04/09/19	04/09/19	1915093	
Temperature (Field)	Field	23.7		N/A	°C	04/09/19	04/09/19	1915093	

Microbiology Analyses

Total Coliform	SM 9223	A		N/A	P/A	04/09/19	04/10/19	1915089	
E. Coli	SM 9223	A		N/A	P/A	04/09/19	04/10/19	1915089	
Plate Count	SM9215B	ND	1	500	CFU/ml	04/09/19	04/11/19	1915130	HT-08

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWPf Monthly Compliance Samples, 2nd Wk of Apr
Project Manager: Mark Andersen

Work Order: 19D0893
Received: 04/09/19 18:22
Reported: 04/22/19

Filter Effluent (Total Chlorine) Site #3

19D0893-03 (Water)

Sample Date: 04/09/19 9:53 **Sampler:** Patrick McCue

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

Field Analyses

Cl Res Total (Field)	Field	7.7		N/A	mg/L	04/09/19	04/09/19	1915093	
pH (Field)	Field	7.79		N/A	pH Units	04/09/19	04/09/19	1915093	
Temperature (Field)	Field	23.7		N/A	°C	04/09/19	04/09/19	1915093	

General Physical Analyses

Apparent Color	SM 2120BM	7.5	3.0	15	Color Units	04/09/19	04/09/19	1915091	
-----------------------	-----------	------------	-----	----	-------------	----------	----------	---------	--

Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/16/19	04/16/19	1916052	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/16/19	04/16/19	1916052	

Zone #2 Site #6

19D0893-04 (Water)

Sample Date: 04/09/19 9:55 **Sampler:** Patrick McCue

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

Field Analyses

Cl Res Total (Field)	Field	2.34		N/A	mg/L	04/09/19	04/09/19	1915093	
pH (Field)	Field	8.73		N/A	pH Units	04/09/19	04/09/19	1915093	
Temperature (Field)	Field	19.7		N/A	°C	04/09/19	04/09/19	1915093	

General Chemical Analyses

Hardness, Total (as CaCO3)	Calculated	110	6.6	N/A	mg/L	04/15/19	04/15/19	[CALC]	
Total Filterable Residue/TDS	SM 2540C	280	5.0	1000	mg/L	04/12/19	04/15/19	1915161	

Metals

Calcium (Ca)	EPA 200.7	26	1.0	N/A	mg/L	04/15/19	04/15/19	1916014	
Magnesium (Mg)	EPA 200.7	11	1.0	N/A	mg/L	04/15/19	04/15/19	1916014	

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWPf Monthly Compliance Samples, 2nd Wk of Apr
Project Manager: Mark Andersen

Work Order: 19D0893
Received: 04/09/19 18:22
Reported: 04/22/19

Reservoir Effluent Site #5 **19D0893-05 (Water)** **Sample Date:** 04/09/19 10:30 **Sampler:** Patrick McCue

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

Field Analyses

Cl Res Total (Field)	Field	3.68		N/A	mg/L	04/09/19	04/09/19	1915093	
pH (Field)	Field	8.18		N/A	pH Units	04/09/19	04/09/19	1915093	
Temperature (Field)	Field	19.7		N/A	°C	04/09/19	04/09/19	1915093	

General Physical Analyses

Odor Threshold	EPA 140.1-M	1	1	3	TON	04/09/19	04/09/19	1915091	
-----------------------	-------------	----------	---	---	-----	----------	----------	---------	--

General Chemical Analyses

Hardness, Total (as CaCO3)	Calculated	220	6.6	N/A	mg/L	04/15/19	04/15/19	[CALC]	
Total Filterable Residue/TDS	SM 2540C	490	5.0	1000	mg/L	04/12/19	04/15/19	1915161	

Metals

Calcium (Ca)	EPA 200.7	56	1.0	N/A	mg/L	04/15/19	04/15/19	1916014	
Magnesium (Mg)	EPA 200.7	19	1.0	N/A	mg/L	04/15/19	04/15/19	1916014	

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

ND Analyte NOT DETECTED at or above the reporting limit



April 18, 2019

Clinical Laboratory of San Bernardino
ATTN: Stu Styles
21881 Barton Rd.
Grand Terrace, CA 92313



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: 19D0893
Lab Number: K041103-01/02

Enclosed are results for sample(s) received 4/11/19 by Air Technology Laboratories. Samples were received intact and chilled to 4° C. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
19D0893

2 of 4
K041103

K041103-01/02

SENDING LABORATORY:

Clinical Laboratory of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone: 909.825.7693
Fax: 909.825.7696
Project Manager: Stu Styles

RECEIVING LABORATORY:

Air Technology Labs
18501 East Gale Avenue Suite 130
City of Industry, CA 91748
Phone : (626) 964-4032
Fax:

Please email results to Project Manager: Stu Styles

[] glaubig@clinical-lab.com [x] styles@clinical-lab.com [] bernstein@clinical-lab.com

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

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

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

Subcontract Comments:

Analysis

Comments

01 Sample ID: Raw Water Site #1 / 19D0893-01

Sampled: 04/09/19 09:40 PS Code:
Water

WTX ID:

Methane RSK175

Report in mg/L

Containers Supplied:

40mL Amber Vial pH<2 w/HCl (A)

40mL Amber Vial pH<2 w/HCl (B)

62 Sample ID: Reservoir Effluent Site #5 / 19D0893-05

Sampled: 04/09/19 10:30 PS Code:
Water

WTX ID:

Methane RSK175

Report in mg/L

Containers Supplied:

40mL Amber Vial pH<2 w/HCl (B)

40mL Amber Vial pH<2 w/HCl (C)

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

4°C

Client: Clinical Labs
Attn: Stu Styles
Project Name: NA
Project No.: 19D0893
Date Received: 04/11/19
Matrix: Water
Reporting Units: mg/L

RSK175

Lab No.:	K041103-01		K041103-02			
Client Sample I.D.:	Raw Water Site #1/19D0893-01		Reservoir Effluent Site #5/19D0893-05			
Date/Time Sampled:	4/9/19 9:40		4/9/19 10:30			
Date/Time Analyzed:	4/16/19 12:56		4/16/19 13:09			
QC Batch No.:	190416GC8A1		190416GC8A1			
Analyst Initials:	CM/AS		CM/AS			
Dilution Factor:	1.0		1.0			
ANALYTE	Result mg/L	RL mg/L	Result mg/L	RL mg/L		
Methane	2.3	0.0010	0.26	0.0010		

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: Mark Johnson
Mark Johnson
Operations Manager

Date 4/18/19

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 190416GC8A1

Matrix: Air

Reporting Units: mg/L

RSK175 LABORATORY CONTROL SAMPLE SUMMARY												
Lab No.:		METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:		4/16/19 12:03			4/16/19 12:16		4/16/19 10:01					
Analyst Initials:		CM/AS			CM/AS		CM/AS					
Dilution Factor:		1.0			1.0		1.0					
ANALYTE		Result mg/L	RL mg/L	SPIKE AMT. mg/L	Result mg/L	% Rec.	Result mg/L	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Methane		ND	0.0010	0.654	0.722	110	0.711	109	1.5	70	130	30

ND= Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date

4/18/19

The cover letter is an integral part of this analytical report



2/3/12

Client		City of Lomita		System Number		Analysis Requested													
Address		24373 Walnut Avenue		1910073															
Phone #		Lomita, CA 91717		Destination Laboratory															
Fax #		(310)903-2243		[X] Clinical Laboratory															
Project		Standard Analysis		RWQCB Compliance															
Sub Project		CWPF Monthly Compliance Samples;		YES															
Comments		2nd week of April, 2019		ELAP #															
Sampled by		Patrick McCue		1088															
Date	Time	Sample Identification		Matrix	Type	Preserv	Temp.	pH	Total Chlorine	Total Dissolved Solids	Iron & Manganese	Total Coliform / E. Coli P-A / HPC	Hardness	Methane (Water) (RSK175)	Nitrate	Color	Odor		
4/9/2019	0940	Raw Water Site #1		GW	IW	N/A	23.6	7.79	0.7	X	X					X			
4/9/2019	0940	Raw Water Site #1		GW	IW	1, 2, 7	23.6	7.79	0.7			X	X	X					
4/9/2019	0950	Filter Effluent (Free Chlorine) Site#2		DW	IW	1, 7	23.7	7.80	9.7			X							
4/9/2019	0953	Filter Effluent (Total Chlorine) Site#3		DW	IW	N/A	23.7	7.79	7.7		X					X			
4/9/2019	0955	Zone #2 Site #6		DW	ID	N/A	19.7	8.73	2.34	X			X						
4/9/2019	1030	Reservoir Effluent Site #5		DW	ID	N/A	19.7	8.18	3.68	X			X			X			
4/9/2019	1030	Reservoir Effluent Site #5		DW	ID	2, 7	19.7	8.18	3.68					X					
Preservatives: (1) Na ₂ S ₂ O ₃ , (2) HCl (3) HNO ₃ (4) NH ₄ Cl (5) H ₂ SO ₄ (6) Na ₂ SO ₃ (7) Cold (8) Other:				Matrix: DW-Drinking Water, WW-Waste Water, SW-Storm Water, GW-Ground Water, A-Air															
Relinquished By (Sign)				Print Name / Company				Date / Time				Received By (Sign)				Print Name / Company			
Patrick McCue				Patrick McCue / City of Lomita				4/9/2019				[Signature]				DeGarcia / USS			
[Signature]				DeGarcia / USS				4/9/2019				[Signature]				DeGarcia / USS			
Comments:				Samples received: () On Ice () Intact () Custody seals Temp 5.4 () F () C															
Shipped Via		Fed X		Golden State		UPS		Client		Other		Page 1 of 1							

Clinical Laboratory of San Bernardino, Inc.



30 April 2019

Clinical Lab No.: 19D1613

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

Project Name: Standard Analysis
Sub Project: CWPF 3rd Week of March, 2019

Enclosed are the results of the analyses for samples received at the laboratory on 04/17/19 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles
Client Services Manager

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWPf 3rd Week of March, 2019
Project Manager: Mark Andersen

Work Order: 19D1613
Received: 04/17/19 14:45
Reported: 04/30/19

Reservoir Influent Site #3 **19D1613-01 (Water)** **Sample Date:** 04/17/19 9:20 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	7.2		N/A	mg/L	04/17/19	04/17/19	1916191	
pH (Field)	Field	7.85		N/A	pH Units	04/17/19	04/17/19	1916191	
Temperature (Field)	Field	22		N/A	°C	04/17/19	04/17/19	1916191	

General Physical Analyses

Apparent Color	SM 2120BM	5.0	3.0	15	Color Units	04/17/19	04/17/19	1916147	
-----------------------	-----------	------------	-----	----	-------------	----------	----------	---------	--

Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/26/19	04/26/19	1917163	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/26/19	04/26/19	1917163	

Reservoir Effluent Site #5 **19D1613-02 (Water)** **Sample Date:** 04/17/19 9:25 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.29		N/A	mg/L	04/17/19	04/17/19	1916191	
pH (Field)	Field	8.19		N/A	pH Units	04/17/19	04/17/19	1916191	
Temperature (Field)	Field	19.5		N/A	°C	04/17/19	04/17/19	1916191	

General Physical Analyses

Apparent Color	SM 2120BM	ND	3.0	15	Color Units	04/17/19	04/17/19	1916147	
Odor Threshold	EPA 140.1-M	2	1	3	TON	04/17/19	04/17/19	1916147	

General Chemical Analyses

Total Filterable Residue/TDS	SM 2540C	490	5.0	1000	mg/L	04/19/19	04/22/19	1916167	
-------------------------------------	----------	------------	-----	------	------	----------	----------	---------	--

ND Analyte NOT DETECTED at or above the reporting limit



April 26, 2019

Clinical Laboratory of San Bernardino
ATTN: Stu Styles
21881 Barton Rd.
Grand Terrace, CA 92313



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: 19D1613
Lab Number: K041901-01

Enclosed are results for sample(s) received 4/19/19 by Air Technology Laboratories. Samples were received intact and chilled to 4° C. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
19D1613

2 of 4
K041901

K041901-01

SENDING LABORATORY:

Clinical Laboratory of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone: 909.825.7693
Fax: 909.825.7696
Project Manager: Stu Styles

RECEIVING LABORATORY:

Air Technology Labs
18501 East Gale Avenue Suite 130
City of Industry, CA 91748
Phone : (626) 964-4032
Fax:

Please email results to Project Manager: Stu Styles

[] glaubig@clinical-lab.com [x] styles@clinical-lab.com [] bernstein@clinical-lab.com

California EDT transfer those samples with PS codes provided [] Yes [x] No
Water Trax Upload Client: [] Yes [x] No

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

Subcontract Comments:

Analysis

Comments

Sample ID: Reservoir Effluent Site #5 / 19D1613-02

Sampled: 04/17/19 09:25 PS Code:
Water

WTX ID:

Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

4°C

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

Client: Clinical Labs
Attn: Stu Styles
Project Name: NA
Project No.: 19D1613
Date Received: 04/19/19
Matrix: Water
Reporting Units: mg/L

RSK175

Lab No.:	K041901-01						
Client Sample I.D.:	Reservoir Effluent Site #5/19D1613-02						
Date/Time Sampled:	4/17/19 9:25						
Date/Time Analyzed:	4/23/19 9:39						
QC Batch No.:	190422GC8A2						
Analyst Initials:	CM/AS						
Dilution Factor:	1.0						
ANALYTE	Result mg/L	RL mg/L					
Methane	0.24	0.0010					

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____



Mark Johnson
Operations Manager

Date 4-26-19

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 190422GC8A2

Matrix: Air

Reporting Units: mg/L

RSK175 LABORATORY CONTROL SAMPLE SUMMARY											
Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	4/22/19 15:00			4/22/19 15:14		4/22/19 15:56					
Analyst Initials:	CM/AS			CM/AS		CM/AS					
Dilution Factor:	1.0			1.0		1.0					
ANALYTE	Result mg/L	RL mg/L	SPIKE AMT. mg/L	Result mg/L	% Rec.	Result mg/L	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Methane	ND	0.0010	0.654	0.687	105	0.729	111	5.9	70	130	30

ND= Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date

4-26-19

The cover letter is an integral part of this analytical report



1901613

Clinical Laboratory of San Bernardino, Inc.



06 May 2019

Clinical Lab No.: 19D1918

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

Project Name: Standard Analysis
Sub Project: CWPF 4th Week of April, 2019

Enclosed are the results of the analyses for samples received at the laboratory on 04/23/19 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles
Client Services Manager

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWP4 4th Week of April, 2019
Project Manager: Mark Andersen

Work Order: 19D1918
Received: 04/23/19 17:00
Reported: 05/06/19

Reservoir Influent Site #3 **19D1918-01 (Water)** **Sample Date:** 04/23/19 7:20 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	9.5		N/A	mg/L	04/23/19	04/23/19	1917110	
pH (Field)	Field	7.84		N/A	pH Units	04/23/19	04/23/19	1917110	
Temperature (Field)	Field	22.3		N/A	°C	04/23/19	04/25/19	1917110	

General Physical Analyses

Apparent Color	SM 2120BM	7.5	3.0	15	Color Units	04/23/19	04/23/19	1917111	
-----------------------	-----------	------------	-----	----	-------------	----------	----------	---------	--

Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	04/30/19	04/30/19	1918060	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	04/30/19	04/30/19	1918060	

Reservoir Effluent Site #5 **19D1918-02 (Water)** **Sample Date:** 04/23/19 9:50 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.37		N/A	mg/L	04/23/19	04/23/19	1917110	
pH (Field)	Field	8.2		N/A	pH Units	04/23/19	04/23/19	1917110	
Temperature (Field)	Field	19.3		N/A	°C	04/23/19	04/25/19	1917110	

General Physical Analyses

Apparent Color	SM 2120BM	ND	3.0	15	Color Units	04/23/19	04/23/19	1917111	
Odor Threshold	EPA 140.1-M	2	1	3	TON	04/23/19	04/23/19	1917111	

General Chemical Analyses

Total Filterable Residue/TDS	SM 2540C	470	5.0	1000	mg/L	04/24/19	04/26/19	1917097	
-------------------------------------	----------	------------	-----	------	------	----------	----------	---------	--

ND Analyte NOT DETECTED at or above the reporting limit



May 1, 2019

Clinical Laboratory of San Bernardino
ATTN: Stu Styles
21881 Barton Rd.
Grand Terrace, CA 92313



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: 19D1918
Lab Number: K042401-01

Enclosed are results for sample(s) received 4/24/19 by Air Technology Laboratories. Samples were received intact and chilled to 5° C. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
19D1918

2 of 4
K042401

K042401-01

SENDING LABORATORY:

Clinical Laboratory of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone: 909.825.7693
Fax: 909.825.7696
Project Manager: Stu Styles

RECEIVING LABORATORY:

Air Technology Labs
18501 East Gale Avenue Suite 130
City of Industry, CA 91748
Phone : (626) 964-4032
Fax:

Please email results to Project Manager: Stu Styles

[] glaubig@clinical-lab.com [x] styles@clinical-lab.com [] bernstein@clinical-lab.com

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

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

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

Subcontract Comments:

Analysis

Comments

Sample ID: Reservoir Effluent Site #5 / 19D1918-02

Sampled: 04/23/19 09:50 PS Code:

Water

WTX ID:

61
Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

5°C

Released By

04/24/19 07:40

Received By

4/24/19 8:35

Released By

4/24/19 10:13

Received By

4/24/19 10:13

Client: Clinical Labs
Attn: Stu Styles
Project Name: NA
Project No.: 19D1918
Date Received: 04/24/19
Matrix: Water
Reporting Units: mg/L


RSK175

Lab No.:	K042401-01						
Client Sample I.D.:	Reservoir Effluent Site #5/19D1918-02						
Date/Time Sampled:	4/23/19 9:50						
Date/Time Analyzed:	4/29/19 13:36						
QC Batch No.:	190429GC8A1						
Analyst Initials:	CM/AS						
Dilution Factor:	1.0						
ANALYTE	Result mg/L	RL mg/L					
Methane	0.24	0.0010					

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____


Mark Johnson
Operations Manager

Date

5/1/19

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

QC Batch #: 190429GC8A1

Matrix: Air

Reporting Units: mg/L

RSK175
LABORATORY CONTROL SAMPLE SUMMARY

Lab No.:	METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:	4/29/19 8:57			4/29/19 10:57		4/29/19 11:11					
Analyst Initials:	CM/AS			CM/AS		CM/AS					
Dilution Factor:	1.0			1.0		1.0					
ANALYTE	Result mg/L	RL mg/L	SPIKE AMT. mg/L	Result mg/L	% Rec.	Result mg/L	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Methane	ND	0.0010	0.654	0.707	108	0.729	111	3.1	70	130	30

ND= Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date _____

The cover letter is an integral part of this analytical report



"Your Water and Wastewater Analysis Solution"

Clinical Laboratory of San Bernardino, Inc.



08 May 2019

Clinical Lab No.: 19D2360

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

Project Name: Standard Analysis
Sub Project: CWPF 5th Week of April, 2019

Enclosed are the results of the analyses for samples received at the laboratory on 04/30/19 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles
Client Services Manager

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: CWPf 5th Week of April, 2019
Project Manager: Mark Andersen

Work Order: 19D2360
Received: 04/30/19 15:30
Reported: 05/08/19

Reservoir Influent Site #3 **19D2360-01 (Water)** **Sample Date:** 04/30/19 10:15 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	9		N/A	mg/L	04/30/19	04/30/19	1918105	
pH (Field)	Field	7.89		N/A	pH Units	04/30/19	04/30/19	1918105	
Temperature (Field)	Field	22.6		N/A	°C	04/30/19	04/30/19	1918105	

General Physical Analyses

Apparent Color	SM 2120BM	5.0	3.0	15	Color Units	04/30/19	04/30/19	1918138	
-----------------------	-----------	------------	-----	----	-------------	----------	----------	---------	--

Metals

Iron (Fe)	EPA 200.7	ND	100	300	ug/L	05/02/19	05/02/19	1918145	
Manganese (Mn)	EPA 200.7	ND	20	50	ug/L	05/02/19	05/02/19	1918145	

Reservoir Effluent Site #5 **19D2360-02 (Water)** **Sample Date:** 04/30/19 10:20 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.51		N/A	mg/L	04/30/19	04/30/19	1918105	
pH (Field)	Field	8.24		N/A	pH Units	04/30/19	04/30/19	1918105	
Temperature (Field)	Field	19.8		N/A	°C	04/30/19	04/30/19	1918105	

General Physical Analyses

Apparent Color	SM 2120BM	ND	3.0	15	Color Units	04/30/19	04/30/19	1918138	
Odor Threshold	EPA 140.1-M	2	1	3	TON	04/30/19	04/30/19	1918138	

General Chemical Analyses

Total Filterable Residue/TDS	SM 2540C	480	5.0	1000	mg/L	05/01/19	05/03/19	1918118	
-------------------------------------	----------	------------	-----	------	------	----------	----------	---------	--

ND Analyte NOT DETECTED at or above the reporting limit



May 8, 2019

Clinical Laboratory of San Bernardino
ATTN: Stu Styles
21881 Barton Rd.
Grand Terrace, CA 92313



LA Cert #04140
EPA Methods TO3, TO14A, TO15, 25C/3C,
RSK-175

TX Cert T104704450-14-6
EPA Methods TO14A, TO15

UT Cert CA0133332015-3
EPA Methods TO3, TO14A, TO15, RSK-175

LABORATORY TEST RESULTS

Project Reference: 19D2360
Lab Number: K050101-01

Enclosed are results for sample(s) received 5/01/19 by Air Technology Laboratories. Samples were received intact and chilled to 6° C. Analyses were performed according to specifications on the chain of custody provided with the sample(s).

Report Narrative:

- Unless otherwise noted in the report, sample analyses were performed within method performance criteria and meet all requirements of the TNI Standards.
- The enclosed results relate only to the sample(s).

ATL appreciates the opportunity to provide testing services to your company. If you have any questions regarding these results, please call me at (626) 964-4032.

Sincerely,

A handwritten signature in blue ink, appearing to read "Mark Johnson".

Mark Johnson
Operations Manager
MJohnson@AirTechLabs.com

Note: The cover letter is an integral part of this analytical report.

SUBCONTRACT ORDER
Clinical Laboratory of San Bernardino
19D2360

K050101
Page 2 of 4
1450101-01

SENDING LABORATORY:

Clinical Laboratory of San Bernardino
21881 Barton Road
Grand Terrace, CA 92313
Phone: 909.825.7693
Fax: 909.825.7696
Project Manager: Stu Styles

RECEIVING LABORATORY:

Air Technology Labs
18501 East Gale Avenue Suite 130
City of Industry, CA 91748
Phone : (626) 964-4032
Fax:

Please email results to Project Manager: Stu Styles

[] glaubig@clinical-lab.com [x] styles@clinical-lab.com [] bernstein@clinical-lab.com

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

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

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

Subcontract Comments:

Analysis

Comments

Sample ID: Reservoir Effluent Site #5 / 19D2360-02

Sampled: 04/30/19 10:20 PS Code:
Water

WTX ID:

Methane RSK175

Report in mg/L

Containers Supplied:

40ml Amber Vial (B)

40ml Amber Vial (C)

66

Released By

Date / Time

Received By

Date / Time

Released By

Date / Time

Received By

Date / Time

05/01/19 07:30
5/1/19 10:17
5/1/19 8:35
5/1/17 10:17

Client: Clinical Laboratory
Attn: Stu Styles
Project Name: NA
Project No.: 19D2360
Date Received: 05/01/19
Matrix: Water
Reporting Units: mg/L

RSK175

Lab No.:	K050101-01						
Client Sample I.D.:	Reservoir Effluent Site #5 / 19D2360- 02						
Date/Time Sampled:	4/30/19 10:20						
Date/Time Analyzed:	5/6/19 15:43						
QC Batch No.:	190506GC8A2						
Analyst Initials:	CM/AS						
Dilution Factor:	1.0						
ANALYTE	Result mg/L	RL mg/L					
Methane	0.29	0.0010					

ND = Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson

Mark Johnson
Operations Manager

Date

5/8/19

The cover letter is an integral part of this analytical report



LCS/LCSD Recovery and RPD Summary Report

K050101
Page 4 of 4

QC Batch #: 190506GC8A2

Matrix: Air

Reporting Units: mg/L

RSK175 LABORATORY CONTROL SAMPLE SUMMARY												
Lab No.:		METHOD BLANK			LCS		LCSD					
Date/Time Analyzed:		5/6/19 13:31			5/6/19 13:45		5/6/19 13:59					
Analyst Initials:		CM/AS			CM/AS		CM/AS					
Dilution Factor:		1.0			1.0		1.0					
ANALYTE		Result mg/L	RL mg/L	SPIKE AMT. mg/L	Result mg/L	% Rec.	Result mg/L	% Rec.	RPD	Low %Rec	High %Rec	Max. RPD
Methane		ND	0.0010	0.654	0.708	108	0.733	112	3.5	70	130	30

ND= Not Detected (below RL)

RL = Reporting Limit

Reviewed/Approved By: _____

Mark Johnson
Operations Manager

Date _____

The cover letter is an integral part of this analytical report



013/4
1902360

"Your Water and Wastewater Analysis Solution"

Clinical Laboratory of San Bernardino, Inc.



22 April 2019

Clinical Lab No.: 19D0897

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

Project Name: Standard Analysis
Sub Project: Lomita Distribution Ortho, 2nd Week April, 2019

Enclosed are the results of the analyses for samples received at the laboratory on 04/09/19 . Samples were received within temperature range, in correct containers and preservation.

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

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

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

Sincerely,

A handwritten signature in black ink, appearing to read 'Stu Styles', with a stylized flourish at the end.

Stu Styles
Client Services Manager

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Lomita Distribution Ortho, 2nd Week April, 2019
Project Manager: Mark Andersen

Work Order: 19D0897
Received: 04/09/19 18:22
Reported: 04/22/19

1948 252nd St.

19D0897-01 (Water)

Sample Date: 04/09/19 8:10 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.2		N/A	mg/L	04/09/19	04/09/19	1915112	
pH (Field)	Field	8.11		N/A	pH Units	04/09/19	04/09/19	1915112	
Temperature (Field)	Field	19.4		N/A	°C	04/09/19	04/09/19	1915112	

General Chemical Analyses

Ortho-Phosphate (PO4)	HACH 8048	0.57	0.020	N/A	mg/L	04/10/19	04/10/19	1915070	
Phosphorus (Total as P)	HACH 8190	0.48	0.0067	N/A	mg/L	04/17/19	04/17/19	1916093	

24632 S. Moon

19D0897-02 (Water)

Sample Date: 04/09/19 8:35 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.3		N/A	mg/L	04/09/19	04/09/19	1915112	
pH (Field)	Field	8.05		N/A	pH Units	04/09/19	04/09/19	1915112	
Temperature (Field)	Field	20.2		N/A	°C	04/09/19	04/09/19	1915112	

General Chemical Analyses

Ortho-Phosphate (PO4)	HACH 8048	0.55	0.020	N/A	mg/L	04/10/19	04/10/19	1915070	
Phosphorus (Total as P)	HACH 8190	0.47	0.0067	N/A	mg/L	04/17/19	04/17/19	1916093	

2450 W. 247th St.

19D0897-03 (Water)

Sample Date: 04/09/19 8:45 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	1.62		N/A	mg/L	04/09/19	04/09/19	1915112	
pH (Field)	Field	8.04		N/A	pH Units	04/09/19	04/09/19	1915112	
Temperature (Field)	Field	20.7		N/A	°C	04/09/19	04/09/19	1915112	

General Chemical Analyses

Ortho-Phosphate (PO4)	HACH 8048	0.59	0.020	N/A	mg/L	04/10/19	04/10/19	1915070	
Phosphorus (Total as P)	HACH 8190	0.46	0.0067	N/A	mg/L	04/17/19	04/17/19	1916093	

Clinical Laboratory of San Bernardino, Inc.



Lomita, City of
24373 Walnut Avenue
Lomita CA, 91717

Project: Standard Analysis
Sub Project: Lomita Distribution Ortho, 2nd Week April, 2019
Project Manager: Mark Andersen

Work Order: 19D0897
Received: 04/09/19 18:22
Reported: 04/22/19

2052 Dawn St.

19D0897-04 (Water)

Sample Date: 04/09/19 8:20 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	1.57		N/A	mg/L	04/09/19	04/09/19	1915112	
pH (Field)	Field	8.01		N/A	pH Units	04/09/19	04/09/19	1915112	
Temperature (Field)	Field	21.5		N/A	°C	04/09/19	04/09/19	1915112	

General Chemical Analyses

Ortho-Phosphate (PO4)	HACH 8048	0.57	0.020	N/A	mg/L	04/10/19	04/10/19	1915070	
Phosphorus (Total as P)	HACH 8190	0.51	0.0067	N/A	mg/L	04/17/19	04/17/19	1916093	

CWPF SP5

19D0897-05 (Water)

Sample Date: 04/09/19 10:30 **Sampler:** P.M.

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

Field Analyses

Cl Res Total (Field)	Field	3.68		N/A	mg/L	04/09/19	04/09/19	1915112	
pH (Field)	Field	8.18		N/A	pH Units	04/09/19	04/09/19	1915112	
Temperature (Field)	Field	19.7		N/A	°C	04/09/19	04/09/19	1915112	

General Chemical Analyses

Ortho-Phosphate (PO4)	HACH 8048	0.45	0.020	N/A	mg/L	04/10/19	04/10/19	1915070	
Phosphorus (Total as P)	HACH 8190	0.49	0.0067	N/A	mg/L	04/17/19	04/17/19	1916093	

ND Analyte NOT DETECTED at or above the reporting limit

"Your Water and Wastewater Analysis Solution"

APPENDIX B

METHANE MONITORING LOG



CITY OF LOMITA
PUBLIC WORKS DEPARTMENT

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

APRIL 2019						
DATE	DAY	METHANE HANDHELD				COMMENTS
4/1/2019	Mon	CH4-	0%	Oxy-	20.5%	
4/2/2019	Tue	CH4-	0%	Oxy-	20.4%	
4/3/2019	Wed	CH4-	0%	Oxy-	20.4%	
4/4/2019	Thu	CH4-	0%	Oxy-	20.5%	
4/5/2019	Fri	CH4-		Oxy-		
4/6/2019	Sat	CH4-		Oxy-		
4/7/2019	Sun	CH4-		Oxy-		
4/8/2019	Mon	CH4-	0%	Oxy-	20.2%	
4/9/2019	Tue	CH4-	0%	Oxy-	20.2%	
4/10/2019	Wed	CH4-	0%	Oxy-	19.8%	
4/11/2019	Thu	CH4-	0%	Oxy-	20.9%	
4/12/2019	Fri	CH4-		Oxy-		
4/13/2019	Sat	CH4-		Oxy-		
4/14/2019	Sun	CH4-		Oxy-		
4/15/2019	Mon	CH4-	0%	Oxy-	17.6%	
4/16/2019	Tue	CH4-	0%	Oxy-	15.8%	
4/17/2019	Wed	CH4-		Oxy-		
4/18/2019	Thu	CH4-		Oxy-		
4/19/2019	Fri	CH4-		Oxy-		
4/20/2019	Sat	CH4-		Oxy-		
4/21/2019	Sun	CH4-		Oxy-		
4/22/2019	Mon	CH4-	0%	Oxy-	15.9%	
4/23/2019	Tue	CH4-		Oxy-		
4/24/2019	Wed	CH4-		Oxy-		
4/25/2019	Thu	CH4-	0%	Oxy-	15.9%	
4/26/2019	Fri	CH4-		Oxy-		
4/27/2019	Sat	CH4-		Oxy-		
4/28/2019	Sun	CH4-		Oxy-		
4/29/2019	Mon	CH4-	0%	Oxy-	19.6%	
4/30/2019	Tue	CH4-		Oxy-		

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

APPENDIX C

NITRIFICATION MONITORING DATA SUMMARY

¹ MONTHLY NITRIFICATION MONITORING SUMMARY REPORT
CITY OF LOMITA, System No. 1910073 --- Month, Year: **APRIL 2019**

#	Code	Sample ID	Location	Sample Date	Temp	pH	Total Chlorine	Free Chlorine	Total Ammonia	Free Ammonia	Nitrite ³	Nitrate	Coliform ²	HPC	Zone	Comments
Units/Others →				MM/DD/YYYY	°C		mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	P/A	CFU/ml		
1	D	S13-003	1948 W 252nd St	4/2/2019	18.9	8.16	3.00	0.09	0.48	0.04	0.005	ND	A	ND	1	Well/MWD Blend
2	D	S13-004	24632 S Moon Ave	4/2/2019	19.6	8.07	3.00	0.01	0.47	0.03	0.015	ND	A	ND	1	Well/MWD Blend
3	D	S13-008	25417 Pennsylvania Ave	4/2/2019	19.9	8.10	3.00	0.02	0.66	0.02	0.013	ND	A	7	1	Well/MWD Blend
4	D	A	2052 Dawn St	4/2/2019	19.6	8.08	2.09	0.04	0.38	0.11	0.012	ND	A	78	1	Well/MWD Blend
5	D		Reservoir SP5	4/2/2019	19.4	8.17	3.62	0.06	0.66	0.00	0.005	ND	A	ND	1	Well/MWD Blend
6	D	S13-001	1912 W 259th St	4/2/2019	17.0	8.77	2.04	0.07	0.52	0.05	0.011	0.43	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vista Ave	4/2/2019	16.7	8.73	2.01	0.05	0.19	0.05	0.012	0.44	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	4/2/2019	17.4	8.76	2.12	0.00	0.44	0.00	0.012	0.43	A	1	2	MWD Only

1	D	S13-003	1948 W 252nd St	4/9/2019	19.4	8.11	3.20	0.04	0.56	0.00	0.008	ND	A	ND	1	Well/MWD Blend
2	D	S13-004	24632 S Moon Ave	4/9/2019	20.2	8.05	3.30	0.05	0.49	0.00	0.013	ND	A	1	1	Well/MWD Blend
3	D	S13-008	25417 Pennsylvania Ave	4/9/2019	21.1	8.10	3.50	0.09	0.57	0.00	0.011	ND	A	2	1	Well/MWD Blend
4	D	A	2052 Dawn St	4/9/2019	21.5	8.01	1.57	0.03	0.48	0.12	0.020	ND	A	58	1	Well/MWD Blend
5	D		Reservoir SP5	4/9/2019	19.7	8.18	3.68	0.06	0.72	0.00	0.003	ND	A	ND	1	Well/MWD Blend
6	D	S13-001	1912 W 259th St	4/9/2019	17.1	8.83	2.01	0.06	0.47	0.08	0.009	0.44	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vista Ave	4/9/2019	17.2	8.83	2.04	0.05	0.50	0.08	0.013	0.44	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	4/9/2019	18.4	8.79	2.12	0.06	0.55	0.05	0.007	0.44	A	ND	2	MWD Only

1	D	S13-003	1948 W 252nd St	4/17/2019	19.0	8.15	2.90	0.00	0.46	0.05	0.006	ND	A	ND	1	Well/MWD Blend
2	D	S13-004	24632 S Moon Ave	4/17/2019	19.6	8.15	3.10	0.07	0.47	0.00	0.006	ND	A	ND	1	Well/MWD Blend
3	D	S13-008	25417 Pennsylvania Ave	4/17/2019	21.4	8.12	2.40	0.08	0.45	0.00	0.008	ND	A	6	1	Well/MWD Blend
4	D	A	2052 Dawn St	4/17/2019	21.0	8.05	1.89	0.01	0.44	0.09	0.007	0.42	A	29	1	Well/MWD Blend
5	D		Reservoir SP5	4/17/2019	19.5	8.19	3.29	0.06	0.60	0.00	0.006	ND	A	ND	1	Well/MWD Blend
6	D	S13-001	1912 W 259th St	4/17/2019	16.5	8.84	2.50	0.07	0.45	0.05	0.006	0.47	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vista Ave	4/17/2019	16.7	8.84	2.40	0.05	0.53	0.04	0.008	0.47	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	4/17/2019	19.1	8.81	2.20	0.06	0.49	0.07	0.006	0.47	A	ND	2	MWD Only

1	D	S13-003	1948 W 252nd St	4/23/2019	18.8	8.20	3.10	0.06	0.48	0.00	0.009	ND	A	13	1	Well/MWD Blend
2	D	S13-004	24632 S Moon Ave	4/23/2019	20.6	8.10	3.40	0.06	0.57	0.00	0.009	ND	A	ND	1	Well/MWD Blend
3	D	S13-008	25417 Pennsylvania Ave	4/23/2019	21.2	8.10	2.40	0.07	0.52	0.00	0.007	ND	A	2	1	Well/MWD Blend
4	D	A	2052 Dawn St	4/23/2019	21.5	8.03	1.60	0.05	0.46	0.15	0.011	ND	A	46	1	Well/MWD Blend
5	D		Reservoir SP5	4/23/2019	19.3	8.20	3.37	0.07	0.55	0.00	0.006	ND	A	8	1	Well/MWD Blend
6	D	S13-001	1912 W 259th St	4/23/2019	16.8	8.86	2.80	0.07	0.41	0.00	0.009	0.44	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vista Ave	4/23/2019	17.3	8.83	2.30	0.05	0.40	0.06	0.006	0.44	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	4/23/2019	19.0	8.76	2.04	0.09	0.39	0.02	0.009	0.44	A	ND	2	MWD Only

1	D	S13-003	1948 W 252nd St	4/30/2019	19.2	8.21	3.10	0.09	0.50	0.00	0.007	ND	A	ND	1	Well/MWD Blend
2	D	S13-004	24632 S Moon Ave	4/30/2019	19.8	8.14	3.30	0.04	0.53	0.00	0.010	ND	A	3	1	Well/MWD Blend
3	D	S13-008	25417 Pennsylvania Ave	4/30/2019	20.6	8.14	2.80	0.07	0.64	0.03	0.011	ND	A	9	1	Well/MWD Blend
4	D	A	2052 Dawn St	4/30/2019	20.0	8.14	1.99	0.04	0.48	0.08	0.008	ND	A	74	1	Well/MWD Blend
5	D		Reservoir	4/30/2019	19.8	8.24	3.51	0.06	0.80	0.00	0.007	ND	A	ND	1	Well/MWD Blend
6	D	S13-001	1912 W 259th St	4/30/2019	17.4	8.92	2.20	0.05	0.17	0.02	0.005	0.43	A	ND	2	MWD Only
7	D	S13-002	26314 S Monte Vista Ave	4/30/2019	17.5	8.90	2.40	0.07	0.47	0.00	0.010	0.43	A	ND	3	MWD Only
8	D	S13-005	2500 PCH	4/30/2019	18.2	8.87	2.16	0.08	0.53	0.05	0.007	0.43	A	ND	2	MWD Only

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

²Coliform results are part of weekly Bacti sampling results.

³The City is monitoring trends of Nitrite in Zone I, in accordance with the Nitrification Monitoring Plan. Due to elevated reads additional hydrant flushing has been implemented.