Department of Public Works
Water Quality Laboratory

CustomerName:
LOPEZ PROJECT

Analytical Report

Delivered Water **220429014-00** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/17/2022	
Heterotrophic Plate Count	< 1	CFU/mL	1	500	S9215B	BValencia	5/18/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	ND	Odor Type			S2150B	MDAndrews	5/16/2022	
Temperature	19.7	°C			S2550B	MDAndrews	5/16/2022	
Threshold Odor @ 60ºC	ND	TON	1	3	S2150B	MDAndrews	5/16/2022	
Total Chlorine Residual (measured in the field)	2.92	mg/L	0.1	4	SCL-G	MDAndrews	5/16/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/17/2022	
Turbidity (measured in field)	0.11	NTU	0.03		S2130B	MDAndrews	5/16/2022	

Domestic Tank **220429014-01** **Sample Date:** 5/16/2022 9:40 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/17/2022	
Heterotrophic Plate Count	2	CFU/mL	1	500	S9215B	BValencia	5/18/2022	
Temperature	19.1	°C			S2550B	MDAndrews	5/16/2022	
Total Chlorine Residual (measured in the field)	2.62	mg/L	0.1	4	SCL-G	MDAndrews	5/16/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/17/2022	

Lopez State Water (CCWA - TREATED) **220516006-00** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	ND	Odor Type			S2150B	MDAndrews	5/16/2022	
Threshold Odor @ 60ºC	ND	TON	1	3	S2150B	MDAndrews	5/16/2022	

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Analytical Report

Lopez Treatment Plant Raw **220429013-00** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Iron	< 10	ug/L	10	300	E200.7	DRuedas	5/18/2022	
Manganese	< 10	ug/L	10	50	E200.7	DRuedas	5/18/2022	

Lopez Treatment Plant Raw **220429014-02** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	0	Cells/mL		2000	S10300C	DRuedas	5/16/2022	
Calculated Total Algae Count	390	Cells/mL	1		S10300C	DRuedas	5/16/2022	
Cryptomonads	25	Cells/mL			S10300C	DRuedas	5/16/2022	
Diatoms	0	Cells/mL			S10300C	DRuedas	5/16/2022	
Dinoflagellates	240	Cells/mL			S10300C	DRuedas	5/16/2022	
Dissolved Oxygen	4.62	mg/L			S4500OG	MDAndrews	5/16/2022	
Flagellates	0	Cells/mL			S10300C	DRuedas	5/16/2022	
Golden Algae	130	Cells/mL			S10300C	DRuedas	5/16/2022	
Green Algae	0	Cells/mL			S10300C	DRuedas	5/16/2022	
Intake # currently in use	2	Units			N/A	MDAndrews	5/16/2022	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	MDAndrews	5/16/2022	
pH (measured in field)	8.36	SU			SH-B	MDAndrews	5/16/2022	
Temperature	20.1	°C			S2550B	MDAndrews	5/16/2022	
Threshold Odor @ 60°C	3.0	TON	1	3	S2150B	MDAndrews	5/16/2022	
Turbidity	2.4	NTU	0.03	0.5	S2130B	MDAndrews	5/16/2022	
Turbidity (measured in field)	0.77	NTU	0.03		S2130B	MDAndrews	5/16/2022	

Lopez Treatment Plant Raw **220429014-03** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	< 1	MPN/100ml	1		S9223B	KPang	5/17/2022	
Total Coliform Bacteria	56	MPN/100mL	1		S9223B	KPang	5/17/2022	

Lopez Treatment Plant Treated **220429013-01** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Iron	< 10	ug/L	10	300	E200.7	DRuedas	5/18/2022	
Manganese	< 10	ug/L	10	50	E200.7	DRuedas	5/18/2022	

Lopez Treatment Plant Treated **220429014-04** **Sample Date:** 5/16/2022 10:00 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/17/2022	
Heterotrophic Plate Count	1	CFU/mL	1	500	S9215B	BValencia	5/18/2022	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	ND	Odor Type			S2150B	MDAndrews	5/16/2022	
Temperature	19.7	°C			S2550B	MDAndrews	5/16/2022	
Threshold Odor @ 60°C	ND	TON	1	3	S2150B	MDAndrews	5/16/2022	
Total Chlorine Residual (measured in the field)	2.54	mg/L	0.1	4	SCL-G	MDAndrews	5/16/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/17/2022	

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Analytical Report

Delivered Water **220506011-00** **Sample Date:** 5/23/2022 8:55 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/24/2022	
Heterotrophic Plate Count	< 1	CFU/mL	1	500	S9215B	TChen	5/25/2022	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	MDAndrews	5/23/2022	
Temperature	20.8	°C			S2550B	VVogel	5/23/2022	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	MDAndrews	5/23/2022	
Total Chlorine Residual (measured in the field)	2.56	mg/L	0.1	4	SCL-G	VVogel	5/23/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/24/2022	
Turbidity (measured in field)	0.11	NTU	0.03		S2130B	VVogel	5/23/2022	

Domestic Tank **220506011-01** **Sample Date:** 5/23/2022 9:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/24/2022	
Heterotrophic Plate Count	1	CFU/mL	1	500	S9215B	TChen	5/25/2022	
Temperature	19.7	°C			S2550B	VVogel	5/23/2022	
Total Chlorine Residual (measured in the field)	2.90	mg/L	0.1	4	SCL-G	VVogel	5/23/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/24/2022	

Lopez Treatment Plant Raw **220506011-02** **Sample Date:** 5/23/2022 9:05 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	0	Cells/mL		2000	S10300C	DRuedas	5/23/2022	
Calculated Total Algae Count	48	Cells/mL	1		S10300C	DRuedas	5/23/2022	
Cryptomonads	5	Cells/mL			S10300C	DRuedas	5/23/2022	
Diatoms	5	Cells/mL			S10300C	DRuedas	5/23/2022	
Dinoflagellates	38	Cells/mL			S10300C	DRuedas	5/23/2022	
Dissolved Oxygen	5.26	mg/L			S4500OG	VVogel	5/23/2022	
Flagellates	0	Cells/mL			S10300C	DRuedas	5/23/2022	
Golden Algae	0	Cells/mL			S10300C	DRuedas	5/23/2022	
Green Algae	0	Cells/mL			S10300C	DRuedas	5/23/2022	
Intake # currently in use	2	Units			N/A	VVogel	5/23/2022	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	MDAndrews	5/23/2022	
pH (measured in field)	8.26	SU			SH-B	VVogel	5/23/2022	
Temperature	20.6	°C			S2550B	VVogel	5/23/2022	
Threshold Odor @ 60°C	3.0	TON	1	3	S2150B	MDAndrews	5/23/2022	
Turbidity	0.36	NTU	0.03	0.5	S2130B	MDAndrews	5/23/2022	
Turbidity (measured in field)	0.53	NTU	0.03		S2130B	VVogel	5/23/2022	

Lopez Treatment Plant Raw **220506011-03** **Sample Date:** 5/23/2022 9:03 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	< 1	MPN/100ml	1		S9223B	KPang	5/24/2022	
Total Coliform Bacteria	90	MPN/100mL	1		S9223B	KPang	5/24/2022	

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Analytical Report

Lopez Treatment Plant Treated **220506011-04** **Sample Date:** 5/23/2022 9:10 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/24/2022	
Heterotrophic Plate Count	< 1	CFU/mL	1	500	S9215B	TChen	5/25/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Cc	Odor Type			S2150B	MDAndrews	5/23/2022	
Temperature	20.5	°C			S2550B	VVogel	5/23/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/23/2022	
Total Chlorine Residual (measured in the field)	2.38	mg/L	0.1	4	SCL-G	VVogel	5/23/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	5/24/2022	

Delivered Water **220513011-00** **Sample Date:** 5/31/2022 8:55 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	6/1/2022	
Heterotrophic Plate Count	< 1	CFU/mL	1	500	S9215B	KPang	6/2/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	MDAndrews	5/31/2022	
Temperature	21.4	°C			S2550B	TChen	5/31/2022	
Threshold Odor @ 60ºC	2.0	TON	1	3	S2150B	MDAndrews	5/31/2022	
Total Chlorine Residual (measured in the field)	2.76	mg/L	0.1	4	SCL-G	TChen	5/31/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	6/1/2022	
Turbidity (measured in field)	0.10	NTU	0.03		S2130B	TChen	5/31/2022	

Domestic Tank **220513011-01** **Sample Date:** 5/31/2022 9:10 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	6/1/2022	
Heterotrophic Plate Count	< 1	CFU/mL	1	500	S9215B	KPang	6/2/2022	
Temperature	20.4	°C			S2550B	TChen	5/31/2022	
Total Chlorine Residual (measured in the field)	2.98	mg/L	0.1	4	SCL-G	TChen	5/31/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	6/1/2022	

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Analytical Report

Lopez Treatment Plant Raw **220513011-02** **Sample Date:** 5/31/2022 8:58 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	100	Cells/mL		2000	S10300C	TChen	6/9/2022	
Calculated Total Algae Count	250	Cells/mL	1		S10300C	TChen	6/9/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Diatoms	120	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Dissolved Oxygen	4.94	mg/L			S4500OG	TChen	5/31/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	30	Cells/mL			S10300C	TChen	6/9/2022	
Intake # currently in use	2	Units			N/A	TChen	5/31/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	MDAndrews	5/31/2022	
pH (measured in field)	8.37	SU			SH-B	TChen	5/31/2022	
Temperature	21.4	°C			S2550B	TChen	5/31/2022	
Threshold Odor @ 60ºC	2.0	TON	1	3	S2150B	MDAndrews	5/31/2022	
Turbidity	0.43	NTU	0.03	0.5	S2130B	MDAndrews	5/31/2022	
Turbidity (measured in field)	0.54	NTU	0.03		S2130B	TChen	5/31/2022	

Lopez Treatment Plant Raw **220513011-03** **Sample Date:** 5/31/2022 9:00 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	< 1	MPN/100ml	1		S9223B	KPang	6/1/2022	
Total Coliform Bacteria	980	MPN/100mL	1		S9223B	KPang	6/1/2022	

Lopez Treatment Plant Treated **220513011-04** **Sample Date:** 5/31/2022 9:00 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	6/1/2022	
Heterotrophic Plate Count	< 1	CFU/mL	1	500	S9215B	KPang	6/2/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Cc	Odor Type			S2150B	MDAndrews	5/31/2022	
Temperature	21.0	°C			S2550B	TChen	5/31/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	5/31/2022	
Total Chlorine Residual (measured in the field)	2.46	mg/L	0.1	4	SCL-G	TChen	5/31/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	KPang	6/1/2022	

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Analytical Report

Delivered Water **220520018-00** **Sample Date:** 6/6/2022 9:20 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA			200	E200.8			

Delivered Water **220520021-02** **Sample Date:** 6/6/2022 9:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	61	mg/L	1		E200.7	JAlmas	6/8/2022	
Magnesium	31	mg/L	1		E200.7	JAlmas	6/8/2022	
Total Hardness as CaCO3 (Calculated)	280	mg/L	1		E200.7	JAlmas	6/8/2022	

Delivered Water **220520022-00** **Sample Date:** 6/6/2022 9:35 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	TChen	6/7/2022	
Heterotrophic Plate Count	21	CFU/mL	1	500	S9215B	TChen	6/8/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	VVogel	6/6/2022	
Temperature	22.4	°C			S2550B	VVogel	6/6/2022	
Threshold Odor @ 60ºC	2.0	TON	1	3	S2150B	VVogel	6/6/2022	
Total Chlorine Residual (measured in the field)	2.68	mg/L	0.1	4	SCL-G	VVogel	6/6/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	TChen	6/7/2022	
Turbidity (measured in field)	0.19	NTU	0.03		S2130B	VVogel	6/6/2022	

Domestic Tank **220520022-01** **Sample Date:** 6/6/2022 10:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	TChen	6/7/2022	
Heterotrophic Plate Count	1	CFU/mL	1	500	S9215B	TChen	6/8/2022	
Temperature	22.2	°C			S2550B	VVogel	6/6/2022	
Total Chlorine Residual (measured in the field)	2.82	mg/L	0.1	4	SCL-G	VVogel	6/6/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	TChen	6/7/2022	

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Lopez Treatment Plant Raw **220520021-00** **Sample Date:** 6/6/2022 9:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	98	mg/L	1		E200.7	JAlmas	6/8/2022	
Langelier Index (Calculated)	NA				N/A	DRuedas	6/7/2022	
Magnesium	47	mg/L	1		E200.7	JAlmas	6/8/2022	
pH (measured in field)	8.38	SU			SH-B	VVogel	6/6/2022	
pH (measured in the lab)	8.23	SU			SH-B	VVogel	6/6/2022	
Temperature	20.9	°C			S2550B	VVogel	6/6/2022	
Total Alkalinity as CaCO3	282	mg/L	1		S2320B	MDAndrews	6/8/2022	
Total Dissolved Solids	600	mg/L	1	1000	S2540C	VVogel	6/10/2022	
Total Hardness as CaCO3 (Calculated)	440	mg/L	1		E200.7	JAlmas	6/8/2022	

Lopez Treatment Plant Raw **220520022-02** **Sample Date:** 6/6/2022 9:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	100	Cells/mL		2000	S10300C	TChen	6/9/2022	
Calculated Total Algae Count	250	Cells/mL	1		S10300C	TChen	6/9/2022	
Cryptomonads	0	Cells/mL			S10300C	TChen	6/9/2022	
Diatoms	120	Cells/mL			S10300C	TChen	6/9/2022	
Dinoflagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Dissolved Oxygen	3.94	mg/L			S4500OG	VVogel	6/6/2022	
Flagellates	0	Cells/mL			S10300C	TChen	6/9/2022	
Golden Algae	0	Cells/mL			S10300C	TChen	6/9/2022	
Green Algae	30	Cells/mL			S10300C	TChen	6/9/2022	
Intake # currently in use	2	Units			N/A	VVogel	6/6/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	VVogel	6/6/2022	
pH (measured in field)	8.38	SU			SH-B	VVogel	6/6/2022	
Temperature	20.9	°C			S2550B	VVogel	6/6/2022	
Threshold Odor @ 60ºC	3.0	TON	1	3	S2150B	VVogel	6/6/2022	
Turbidity	0.37	NTU	0.03	0.5	S2130B	VVogel	6/6/2022	
Turbidity (measured in field)	0.48	NTU	0.03		S2130B	VVogel	6/6/2022	

Lopez Treatment Plant Raw **220520022-03** **Sample Date:** 6/6/2022 9:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	1.0	MPN/100ml	1		S9223B	TChen	6/7/2022	
Total Coliform Bacteria	330	MPN/100mL	1		S9223B	TChen	6/7/2022	

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Lopez Treatment Plant Treated **220520018-02** **Sample Date:** 6/6/2022 9:21 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA			200	E200.8			

Lopez Treatment Plant Treated **220520021-01** **Sample Date:** 6/6/2022 9:25 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	97	mg/L	1		E200.7	JAlmas	6/8/2022	
Magnesium	46	mg/L	1		E200.7	JAlmas	6/8/2022	
Total Hardness as CaCO3 (Calculated)	430	mg/L	1		E200.7	JAlmas	6/8/2022	

Lopez Treatment Plant Treated **220520022-04** **Sample Date:** 6/6/2022 9:40 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	TChen	6/7/2022	
Heterotrophic Plate Count	2	CFU/mL	1	500	S9215B	TChen	6/8/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	E	Odor Type			S2150B	VVogel	6/6/2022	
Temperature	22.4	°C			S2550B	VVogel	6/6/2022	
Threshold Odor @ 60ºC	2.0	TON	1	3	S2150B	VVogel	6/6/2022	
Total Chlorine Residual (measured in the field)	2.52	mg/L	0.1	4	SCL-G	VVogel	6/6/2022	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	TChen	6/7/2022	

WTP Discharge to Creek (E1) **220520023-00** **Sample Date:** 6/6/2022 10:50 AM **Sampler:** Vvogel

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Flow	14000	gpd			Calculation	VVogel	6/6/2022	
pH (measured in field)	7.97	SU			SH-B	VVogel	6/6/2022	

Recycled Water **220520018-03** **Sample Date:** 6/7/2022 3:30 PM **Sampler:** DRuedas

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA			200	E200.7			
Metals Digestion	NA				E200.7			

Delivered Water **220527013-00** **Sample Date:** 6/13/2022 9:45 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	NA			0.9	S9223B	TChen	6/14/2022	
Heterotrophic Plate Count	< ,1	CFU/mL	1	500	S9215B	KPang	6/15/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	MDAndrews	6/13/2022	
Temperature	23.4	°C			S2550B	MDAndrews	6/13/2022	
Threshold Odor @ 60ºC	1.0	TON	1	3	S2150B	MDAndrews	6/13/2022	
Total Chlorine Residual (measured in the field)	3.04	mg/L	0.1	4	SCL-G	MDAndrews	6/13/2022	
Total Coliform Presence/Absence	NA			0.9	S9223B	TChen	6/14/2022	
Turbidity (measured in field)	0.13	NTU	0.03		S2130B	MDAndrews	6/13/2022	

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CustomerName:
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Analytical Report

Domestic Tank **220527013-01** **Sample Date:** 6/13/2022 9:36 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	NA			0.9	S9223B	TChen	6/14/2022	
Heterotrophic Plate Count	4	CFU/mL	1	500	S9215B	KPang	6/15/2022	
Temperature	22.3	°C			S2550B	MDAndrews	6/13/2022	
Total Chlorine Residual (measured in the field)	2.64	mg/L	0.1	4	SCL-G	MDAndrews	6/13/2022	
Total Coliform Presence/Absence	NA			0.9	S9223B	TChen	6/14/2022	

Lopez Treatment Plant Raw **220527012-00** **Sample Date:** 6/13/2022 9:45 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Iron	< 10	ug/L	10	300	E200.7	DRuedas	6/20/2022	
Manganese	< 10	ug/L	10	50	E200.7	DRuedas	6/20/2022	

Lopez Treatment Plant Raw **220527013-02** **Sample Date:** 6/13/2022 9:45 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	NA			2000	S10300C			
Calculated Total Algae Count	NA		1		S10300C			
Cryptomonads	NA				S10300C			
Diatoms	NA				S10300C			
Dinoflagellates	NA				S10300C			
Dissolved Oxygen	5.76	mg/L			S4500OG	MDAndrews	6/13/2022	
Flagellates	NA				S10300C			
Golden Algae	NA				S10300C			
Green Algae	NA				S10300C			
Intake # currently in use	2	Units			N/A	MDAndrews	6/13/2022	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	MDAndrews	6/13/2022	
pH (measured in field)	8.46	SU			SH-B	MDAndrews	6/13/2022	
Temperature	22.8	°C			S2550B	MDAndrews	6/13/2022	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	MDAndrews	6/13/2022	
Turbidity	0.39	NTU	0.03	0.5	S2130B	MDAndrews	6/13/2022	
Turbidity (measured in field)	0.43	NTU	0.03		S2130B	MDAndrews	6/13/2022	

Lopez Treatment Plant Raw **220527013-03** **Sample Date:** 6/13/2022 9:45 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	< 1	MPN/100ml	1		S9223B	TChen	6/14/2022	
Total Coliform Bacteria	220	MPN/100mL	1		S9223B	TChen	6/14/2022	

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Analytical Report

Lopez Treatment Plant Treated **220527012-01** **Sample Date:** 6/13/2022 9:45 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Iron	< 10	ug/L	10	300	E200.7	DRuedas	6/20/2022	
Manganese	< 10	ug/L	10	50	E200.7	DRuedas	6/20/2022	

Lopez Treatment Plant Treated **220527013-04** **Sample Date:** 6/13/2022 9:45 AM **Sampler:** MDAndre

Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	NA			0.9	S9223B	TChen	6/14/2022	
Heterotrophic Plate Count	6	CFU/mL	1	500	S9215B	KPang	6/15/2022	
Odor Type @ 60ºC (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	MDAndrews	6/13/2022	
Temperature	23.5	°C			S2550B	MDAndrews	6/13/2022	
Threshold Odor @ 60ºC	1.4	TON	1	3	S2150B	MDAndrews	6/13/2022	
Total Chlorine Residual (measured in the field)	2.86	mg/L	0.1	4	SCL-G	MDAndrews	6/13/2022	
Total Coliform Presence/Absence	NA			0.9	S9223B	TChen	6/14/2022	

FOOTNOTES

NA = not analyzed

ND = not detected above reporting limit

RL - Reporting Limit

MCL = Maximum Contaminant Level

Odor Type Legend (Common): A - Aromatic (camphor, cloves, lavender, lemon, cucumber); B - Balsamic (fragrant - gernaium, violets, vanilla); C - Chemical; Cc - free chlorine; Ch - Hydrocarbon, Cm - Medicinal; Cs - Sulfuretted; D - Disagreeable; Df - Fishy; Dp - Pigpen; Ds - Septic; E - Earthy; G - Grassy; M - Musty; Mm - Moldy; V - Vegetable

Data Qualifier	Translation
B	Blank contamination; Analyte detected above the method reporting limit in an associated blank
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit
J1	Reported value is estimated; Surrogate recoveries limits were exceeded
J2	Reported value is estimated; No known QC criteria for this component
J3	Reported value is estimated; The value failed to meet QC criteria for either precision or accuracy
J4	Reported value is estimated; The sample matrix interfered with the analysis
K	Off-scale low. Actual value is known to be less than the value given
L	Off-scale high. Actual value is known to be greater than value given
Q	Sample held beyond the accepted holding time
R	Data required additional review before reporting
T	Value reported is less than the laboratory method detection limit
U	Compound was analyzed for but not detected
V	Analyte was detected in both the sample and the associated method blank
Z	Too Numerous to count (TNTC)

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