



Department of Public Works Water Quality Laboratory Report of Analysis LOPEZ PROJECT

Report Date 13-Nov-20

Delivered Water **200918022-00** **Sample Date:** 10/5/2020 10:27 AM **Sampler:** DKoury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/5/2020	
Chlorite by Amperometric Tiration	0.65	mg/L	0.1	1	SCLO2E	DKoury	10/5/2020	
On-line Chlorite Analyzer Reading	0.65	mg/L			None	DKoury	10/5/2020	

Lopez Treatment Plant Treated **200918023-00** **Sample Date:** 10/5/2020 1:16 PM **Sampler:** DKoury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/5/2020	
Chlorite by Amperometric Tiration	0.74	mg/L	0.1	1	SCLO2E	DKoury	10/5/2020	
On-line Chlorite Analyzer Reading	0.66	mg/L			None	DKoury	10/5/2020	

Delivered Water **200918021-00** **Sample Date:** 10/6/2020 10:40 AM **Sampler:** BValencia

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Aluminum	NA		20	200	E200.7			
Aluminum Subcontracted	<20	ug/L		200	E200.7	EEA	10/11/2020	

Delivered Water **200918024-02** **Sample Date:** 10/6/2020 10:40 AM **Sampler:** BValencia

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Calcium	80	mg/L	1		E200.7	FDevlin	11/2/2020	
Calcium	80	mg/L	1		E200.7	FDevlin	11/2/2020	
Magnesium	38	mg/L	1		E200.7	FDevlin	11/2/2020	
Magnesium	38	mg/L	1		E200.7	FDevlin	11/2/2020	
Total Hardness as CaCO3 (Calculated)	360	mg/L	1		E200.7	KDyson	11/4/2020	
Total Hardness as CaCO3 (Calculated)	360	mg/L	1		E200.7	KDyson	11/4/2020	

Delivered Water **200918026-00** **Sample Date:** 10/6/2020 10:25 AM **Sampler:** BValencia

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/7/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	KPang	10/8/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	10/6/2020	
Temperature	22.3	° C			S2550B	BValencia	10/6/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	TChen	10/6/2020	
Total Chlorine Residual (measured in the field)	2.46	mg/L	0.1	4	SCL-G	BValencia	10/6/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/7/2020	
Turbidity (measured in field)	0.060	NTU	0.03		S2130B	BValencia	10/6/2020	

Delivered Water **200919009-00** **Sample Date:** 10/6/2020 8:55 AM **Sampler:** DKoury

<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	0.11	mg/L	0.1	0.8	SCLO2E	DKoury	10/6/2020	
Chlorite by Amperometric Tiration	0.65	mg/L	0.1	1	SCLO2E	DKoury	10/6/2020	
On-line Chlorite Analyzer Reading	0.65	mg/L			None	DKoury	10/6/2020	

Domestic Tank		200918026-01		Sample Date: 10/6/2020 9:20 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/7/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	KPang	10/8/2020	
Temperature	22.5	° C			S2550B	BValencia	10/6/2020	
Total Chlorine Residual (measured in the field)	2.22	mg/L	0.1	4	SCL-G	BValencia	10/6/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/7/2020	

Lopez Treatment Plant Raw		200918024-00		Sample Date: 10/6/2020 10:30 AM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	89	mg/L	1		E200.7	FDevlin	11/2/2020	
Calcium	89	mg/L	1		E200.7	FDevlin	11/2/2020	
Langelier Index (Calculated)	1.4	SU			N/A	KDyson	11/12/2020	
Magnesium	42	mg/L	1		E200.7	FDevlin	11/2/2020	
Magnesium	42	mg/L	1		E200.7	FDevlin	11/2/2020	
pH (measured in field)	8.54	SU			SH-B	BValencia	10/6/2020	
pH (measured in the lab)	8.44	Units			SH-B	TChen	10/6/2020	
Temperature	22.3	° C			S2550B	BValencia	10/6/2020	
Total Alkalinity as CaCO3	265	mg/L	1		S2320B	FDevlin	10/20/2020	
Total Dissolved Solids	570	mg/L	1	1000	S2540C	FDevlin	10/14/2020	
Total Hardness as CaCO3 (Calculated)	400	mg/L	1		E200.7	KDyson	11/4/2020	
Total Hardness as CaCO3 (Calculated)	400	mg/L	1		E200.7	KDyson	11/4/2020	
Lopez Treatment Plant Raw		200918025-00		Sample Date: 10/6/2020 10:30 AM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Iron	< 10	ug/L	10	300	E200.7	FDevlin	10/8/2020	
Manganese	13	ug/L	5	50	E200.7	FDevlin	10/8/2020	
Metals Digestion	No	Yes/No			E200.7	FDevlin	10/8/2020	
Lopez Treatment Plant Raw		200918026-02		Sample Date: 10/6/2020 10:15 AM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	1200	Cells/mL			S10300C	FZenker	10/7/2020	
Calculated Total Algae Count	1400	Cells/mL	1		S10300C	FZenker	10/7/2020	
Cryptomonads	0	Cells/mL			S10300C	FZenker	10/7/2020	
Diatoms	0	Cells/mL			S10300C	FZenker	10/7/2020	
Dinoflagellates	0	Cells/mL			S10300C	FZenker	10/7/2020	
Dissolved Oxygen	6.45	mg/L			S4500OG	BValencia	10/6/2020	
Flagellates	0	Cells/mL			S10300C	FZenker	10/7/2020	
Golden Algae	10	Cells/mL			S10300C	FZenker	10/7/2020	
Green Algae	160	Cells/mL			S10300C	FZenker	10/7/2020	
Intake # currently in use	2	Units			N/A	BValencia	10/6/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	10/6/2020	
pH (measured in field)	8.54	SU			SH-B	BValencia	10/6/2020	
Temperature	22.3	° C			S2550B	BValencia	10/6/2020	
Threshold Odor @ 60°C	2.5	TON	1	3	S2150B	TChen	10/6/2020	
Turbidity	0.85	NTU	0.03	0.5	S2130B	TChen	10/6/2020	
Turbidity (measured in field)	1.1	NTU	0.03		S2130B	BValencia	10/6/2020	
Lopez Treatment Plant Raw		200918026-03		Sample Date: 10/6/2020 10:15 AM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	6.3	MPN/100ml	1		S9223B	BValencia	10/7/2020	
Total Coliform Bacteria	150	MPN/100mL	1		S9223B	BValencia	10/7/2020	

Lopez Treatment Plant Treated		200918021-02	Sample Date:	10/6/2020 10:45 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	< 20	ug/L	20	200	E200.7	FZenker	11/3/2020	
Aluminum Subcontracted	<20	ug/L		200	E200.7	EEA	10/11/2020	
Lopez Treatment Plant Treated		200918024-01	Sample Date:	10/6/2020 10:35 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	89	mg/L	1		E200.7	FDevlin	11/2/2020	
Calcium	89	mg/L	1		E200.7	FDevlin	11/2/2020	
Magnesium	42	mg/L	1		E200.7	FDevlin	11/2/2020	
Magnesium	42	mg/L	1		E200.7	FDevlin	11/2/2020	
Total Hardness as CaCO3 (Calculated)	400	mg/L	1		E200.7	KDyson	11/4/2020	
Total Hardness as CaCO3 (Calculated)	400	mg/L	1		E200.7	KDyson	11/4/2020	
Lopez Treatment Plant Treated		200918025-01	Sample Date:	10/6/2020 10:35 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Iron	< 10	ug/L	10	300	E200.7	FDevlin	10/8/2020	
Manganese	< 5.0	ug/L	5	50	E200.7	FDevlin	10/8/2020	
Lopez Treatment Plant Treated		200918026-04	Sample Date:	10/6/2020 10:20 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/7/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	KPang	10/8/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	10/6/2020	
Temperature	21.4	° C			S2550B	BValencia	10/6/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	TChen	10/6/2020	
Total Chlorine Residual (measured in the field)	2.62	mg/L	0.1	4	SCL-G	BValencia	10/6/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/7/2020	
Recycled Water		200918021-04	Sample Date:	10/6/2020 10:50 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum	NA		20	200	E200.7			
Aluminum Subcontracted	5100	ug/L		200	E200.7	EEA	10/14/2020	
Metals Digestion	Yes	Yes/No			E200.7	EEA	10/13/2020	
WTP Discharge to Creek (E1)		200918027-00	Sample Date:	10/6/2020 10:05 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
pH (measured in field)	7.99	SU			SH-B	BValencia	10/6/2020	
Delivered Water		200920007-00	Sample Date:	10/7/2020 9:16 AM	Sampler: DKoury			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/7/2020	
Chlorite by Amperometric Tiration	0.68	mg/L	0.1	1	SCLO2E	DKoury	10/7/2020	
On-line Chlorite Analyzer Reading	0.70	mg/L			None	DKoury	10/7/2020	
Delivered Water		200921005-00	Sample Date:	10/8/2020 9:50 AM	Sampler: DKoury			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/8/2020	
Chlorite by Amperometric Tiration	0.73	mg/L	0.1	1	SCLO2E	DKoury	10/8/2020	
On-line Chlorite Analyzer Reading	0.70	mg/L			None	DKoury	10/8/2020	

Delivered Water		200922003-00		Sample Date: 10/9/2020 8:55 AM		Sampler: DKoury		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/9/2020	
Chlorite by Amperometric Tiration	0.73	mg/L	0.1	1	SCLO2E	DKoury	10/9/2020	
On-line Chlorite Analyzer Reading	0.70	mg/L			None	DKoury	10/9/2020	
Delivered Water		200923003-00		Sample Date: 10/10/2020 9:53 AM		Sampler: DKoury		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/10/2020	
Chlorite by Amperometric Tiration	0.66	mg/L	0.1	1	SCLO2E	DKoury	10/10/2020	
On-line Chlorite Analyzer Reading	0.68	mg/L			None	DKoury	10/10/2020	
Delivered Water		200924003-00		Sample Date: 10/11/2020 9:29 AM		Sampler: DKoury		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/11/2020	
Chlorite by Amperometric Tiration	0.65	mg/L	0.1	1	SCLO2E	DKoury	10/11/2020	
On-line Chlorite Analyzer Reading	0.67	mg/L			None	DKoury	10/11/2020	
Delivered Water		200925008-00		Sample Date: 10/12/2020 9:45 AM		Sampler: DKoury		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/12/2020	
Chlorite by Amperometric Tiration	0.66	mg/L	0.1	1	SCLO2E	DKoury	10/12/2020	
On-line Chlorite Analyzer Reading	0.66	mg/L			None	DKoury	10/12/2020	
Lopez Treatment Plant Treated		200925009-00		Sample Date: 10/12/2020 2:10 PM		Sampler: DKoury		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	DKoury	10/12/2020	
Chlorite by Amperometric Tiration	0.71	mg/L	0.1	1	SCLO2E	DKoury	10/12/2020	
On-line Chlorite Analyzer Reading	0.68	mg/L			None	DKoury	10/12/2020	
Delivered Water		200926013-00		Sample Date: 10/13/2020 11:05 AM		Sampler: JCaldera		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	JCaldera	10/13/2020	
Chlorite by Amperometric Tiration	0.79	mg/L	0.1	1	SCLO2E	JCaldera	10/13/2020	
On-line Chlorite Analyzer Reading	0.68	mg/L			None	JCaldera	10/13/2020	
Delivered Water		200925011-00		Sample Date: 10/14/2020 1:50 PM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/15/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	10/16/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	10/15/2020	
Temperature	22.3	° C			S2550B	BValencia	10/14/2020	
Threshold Odor @ 60°C	1.5	TON	1	3	S2150B	TChen	10/15/2020	
Total Chlorine Residual (measured in the field)	2.86	mg/L	0.1	4	SCL-G	BValencia	10/14/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/15/2020	
Turbidity (measured in field)	0.10	NTU	0.03		S2130B	BValencia	10/14/2020	
Delivered Water		200927011-00		Sample Date: 10/14/2020 8:35 AM		Sampler: JCaldera		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	JCaldera	10/14/2020	
Chlorite by Amperometric Tiration	0.63	mg/L	0.1	1	SCLO2E	JCaldera	10/14/2020	
On-line Chlorite Analyzer Reading	0.66	mg/L			None	JCaldera	10/14/2020	

Domestic Tank		200925011-01		Sample Date: 10/14/2020 2:00 PM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/15/2020	
Heterotrophic Plate Count	4	CFU/mL	1	500	S9215B	BValencia	10/16/2020	
Temperature	23.8	° C			S2550B	BValencia	10/14/2020	
Total Chlorine Residual (measured in the field)	2.40	mg/L	0.1	4	SCL-G	BValencia	10/14/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/15/2020	
Lopez Treatment Plant Raw		200925011-02		Sample Date: 10/14/2020 1:35 PM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	50	Cells/mL			S10300C	FZenker	10/15/2020	
Calculated Total Algae Count	260	Cells/mL	1		S10300C	FZenker	10/15/2020	
Cryptomonads	0	Cells/mL			S10300C	FZenker	10/15/2020	
Diatoms	0	Cells/mL			S10300C	FZenker	10/15/2020	
Dinoflagellates	0	Cells/mL			S10300C	FZenker	10/15/2020	
Dissolved Oxygen	6.84	mg/L			S4500OG	BValencia	10/14/2020	
Flagellates	0	Cells/mL			S10300C	FZenker	10/15/2020	
Golden Algae	10	Cells/mL			S10300C	FZenker	10/15/2020	
Green Algae	200	Cells/mL			S10300C	FZenker	10/15/2020	
Intake # currently in use	2	Units			N/A	BValencia	10/14/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	10/15/2020	
pH (measured in field)	8.43	SU			SH-B	BValencia	10/14/2020	
Temperature	22.5	° C			S2550B	BValencia	10/14/2020	
Threshold Odor @ 60°C	2.5	TON	1	3	S2150B	TChen	10/15/2020	
Turbidity	1.6	NTU	0.03	0.5	S2130B	TChen	10/15/2020	
Turbidity (measured in field)	1.5	NTU	0.03		S2130B	BValencia	10/14/2020	
Lopez Treatment Plant Raw		200925011-03		Sample Date: 10/14/2020 1:35 PM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	4.1	MPN/100ml	1		S9223B	BValencia	10/15/2020	
Total Coliform Bacteria	270	MPN/100mL	1		S9223B	BValencia	10/15/2020	
Lopez Treatment Plant Treated		200925011-04		Sample Date: 10/14/2020 1:40 PM		Sampler: BValencia		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/15/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	10/16/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	10/15/2020	
Temperature	22.5	° C			S2550B	BValencia	10/14/2020	
Threshold Odor @ 60°C	2.0	TON	1	3	S2150B	TChen	10/15/2020	
Total Chlorine Residual (measured in the field)	3.22	mg/L	0.1	4	SCL-G	BValencia	10/14/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/15/2020	
Delivered Water		201019024-01		Sample Date: 10/15/2020 9:00 AM		Sampler: JCaldera		
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Chlorine Dioxide Residual by Amperometric Titr	<0.10	mg/L	0.1	0.8	SCLO2E	JCaldera	10/15/2020	
Chlorite by Amperometric Tiration	0.66	mg/L	0.1	1	SCLO2E	JCaldera	10/15/2020	
On-line Chlorite Analyzer Reading	0.68	mg/L			None	JCaldera	10/15/2020	

Delivered Water		200929003-00		Sample Date: 10/16/2020 9:20 AM			Sampler: JCaldera	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	JCaldera	10/16/2020	
Chlorite by Amperometric Tiration	0.68	mg/L	0.1	1	SCLO2E	JCaldera	10/16/2020	
On-line Chlorite Analyzer Reading	0.68	mg/L			None	JCaldera	10/16/2020	
Delivered Water		200930003-00		Sample Date: 10/17/2020 9:10 AM			Sampler: JCaldera	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	JCaldera	10/17/2020	
Chlorite by Amperometric Tiration	0.68	mg/L	0.1	1	SCLO2E	JCaldera	10/17/2020	
On-line Chlorite Analyzer Reading	0.68	mg/L			None	JCaldera	10/17/2020	
Delivered Water		201001003-00		Sample Date: 10/18/2020 8:55 AM			Sampler: JCaldera	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	JCaldera	10/18/2020	
Chlorite by Amperometric Tiration	0.67	mg/L	0.1	1	SCLO2E	JCaldera	10/18/2020	
On-line Chlorite Analyzer Reading	0.63	mg/L			None	JCaldera	10/18/2020	
Delivered Water		201002010-00		Sample Date: 10/19/2020 9:45 AM			Sampler: McLean	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	BMclean	10/19/2020	
Chlorite by Amperometric Tiration	0.66	mg/L	0.1	1	SCLO2E	BMclean	10/19/2020	
On-line Chlorite Analyzer Reading	0.63	mg/L			None	BMclean	10/19/2020	
Lopez Treatment Plant Treated		201002011-00		Sample Date: 10/19/2020 10:50 AM			Sampler: McLean	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	0.14	mg/L	0.1	0.8	SCLO2E	BMclean	10/19/2020	
Chlorite by Amperometric Tiration	0.63	mg/L	0.1	1	SCLO2E	BMclean	10/19/2020	
On-line Chlorite Analyzer Reading	0.57	mg/L			None	BMclean	10/19/2020	
Delivered Water		201002013-00		Sample Date: 10/20/2020 9:40 AM			Sampler: BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/21/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	KPang	10/22/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	G/M	Odor Type			S2150B	FZenker	10/21/2020	
Temperature	21.4	° C			S2550B	BValencia	10/20/2020	
Threshold Odor @ 60°C	2.0	TON	1	3	S2150B	FZenker	10/21/2020	
Total Chlorine Residual (measured in the field)	2.40	mg/L	0.1	4	SCL-G	BValencia	10/20/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/21/2020	
Turbidity (measured in field)	0.060	NTU	0.03		S2130B	BValencia	10/20/2020	
Delivered Water		201003009-00		Sample Date: 10/20/2020 9:10 AM			Sampler: Scudder	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	CScudder	10/20/2020	
Chlorite by Amperometric Tiration	0.62	mg/L	0.1	1	SCLO2E	CScudder	10/20/2020	
On-line Chlorite Analyzer Reading	0.60	mg/L			None	CScudder	10/20/2020	

Domestic Tank		201002013-01		Sample Date: 10/20/2020 10:35 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/21/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	KPang	10/22/2020	
Temperature	21.1	° C			S2550B	BValencia	10/20/2020	
Total Chlorine Residual (measured in the field)	2.38	mg/L	0.1	4	SCL-G	BValencia	10/20/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/21/2020	
Lopez Treatment Plant Raw		201002012-00		Sample Date: 10/20/2020 9:55 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Iron	< 10	ug/L	10	300	E200.7	FDevlin	10/30/2020	
Manganese	16	ug/L	5	50	E200.7	FDevlin	10/30/2020	
Metals Digestion	Yes	Yes/No			E200.7	FDevlin	10/30/2020	
Lopez Treatment Plant Raw		201002013-02		Sample Date: 10/20/2020 9:45 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Blue-green Algae	0	Cells/mL			S10300C	FZenker	10/22/2020	
Calculated Total Algae Count	5	Cells/mL	1		S10300C	FZenker	10/22/2020	
Cryptomonads	0	Cells/mL			S10300C	FZenker	10/22/2020	
Diatoms	0	Cells/mL			S10300C	FZenker	10/22/2020	
Dinoflagellates	0	Cells/mL			S10300C	FZenker	10/22/2020	
Dissolved Oxygen	7.04	mg/L			S4500OG	BValencia	10/20/2020	
Flagellates	5	Cells/mL			S10300C	FZenker	10/22/2020	
Golden Algae	0	Cells/mL			S10300C	FZenker	10/22/2020	
Green Algae	0	Cells/mL			S10300C	FZenker	10/22/2020	
Intake # currently in use	2	Units			N/A	BValencia	10/20/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	F	Odor Type			S2150B	FZenker	10/21/2020	
pH (measured in field)	8.46	SU			SH-B	BValencia	10/20/2020	
Temperature	21.8	° C			S2550B	BValencia	10/20/2020	
Threshold Odor @ 60°C	3.5	TON	1	3	S2150B	FZenker	10/21/2020	
Turbidity	1.2	NTU	0.03	0.5	S2130B	KPang	10/20/2020	
Turbidity (measured in field)	1.2	NTU	0.03		S2130B	BValencia	10/20/2020	
Lopez Treatment Plant Raw		201002013-03		Sample Date: 10/20/2020 9:45 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. Coli Bacteria	<1	MPN/100ml	1		S9223B	BValencia	10/21/2020	
Total Coliform Bacteria	160	MPN/100mL	1		S9223B	BValencia	10/21/2020	

Lopez Treatment Plant Treated		201002012-01	Sample Date: 10/20/2020 10:00 AM			Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Iron	< 10	ug/L	10	300	E200.7	FDevlin	10/30/2020	
Manganese	< 5.0	ug/L	5	50	E200.7	FDevlin	10/30/2020	
Lopez Treatment Plant Treated		201002013-04	Sample Date: 10/20/2020 9:50 AM			Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/21/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	KPang	10/22/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	FZenker	10/21/2020	
Temperature	20.7	° C			S2550B	BValencia	10/20/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	FZenker	10/21/2020	
Total Chlorine Residual (measured in the field)	2.66	mg/L	0.1	4	SCL-G	BValencia	10/20/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/21/2020	
Delivered Water		201004006-00	Sample Date: 10/21/2020 9:00 AM			Sampler: McLean		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	BMclean	10/21/2020	
Chlorite by Amperometric Tiration	0.64	mg/L	0.1	1	SCLO2E	BMclean	10/21/2020	
On-line Chlorite Analyzer Reading	0.61	mg/L			None	BMclean	10/21/2020	
Delivered Water		201005005-00	Sample Date: 10/22/2020 9:25 AM			Sampler: Scudder		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	CScudder	10/22/2020	
Chlorite by Amperometric Tiration	0.57	mg/L	0.1	1	SCLO2E	CScudder	10/22/2020	
On-line Chlorite Analyzer Reading	0.56	mg/L			None	CScudder	10/22/2020	
Delivered Water		201006003-00	Sample Date: 10/23/2020 9:44 AM			Sampler: McLean		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	BMclean	10/23/2020	
Chlorite by Amperometric Tiration	0.55	mg/L	0.1	1	SCLO2E	BMclean	10/23/2020	
On-line Chlorite Analyzer Reading	0.54	mg/L			None	BMclean	10/23/2020	
Delivered Water		201007003-00	Sample Date: 10/24/2020 8:20 AM			Sampler: McLean		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	BMclean	10/24/2020	
Chlorite by Amperometric Tiration	0.61	mg/L	0.1	1	SCLO2E	BMclean	10/24/2020	
On-line Chlorite Analyzer Reading	0.58	mg/L			None	BMclean	10/24/2020	
Delivered Water		201008003-00	Sample Date: 10/25/2020 8:30 AM			Sampler: McLean		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	BMclean	10/25/2020	
Chlorite by Amperometric Tiration	0.61	mg/L	0.1	1	SCLO2E	BMclean	10/25/2020	
On-line Chlorite Analyzer Reading	0.57	mg/L			None	BMclean	10/25/2020	
Delivered Water		201009009-00	Sample Date: 10/26/2020 9:30 AM			Sampler: Scudder		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	CScudder	10/26/2020	
Chlorite by Amperometric Tiration	0.60	mg/L	0.1	1	SCLO2E	CScudder	10/26/2020	
On-line Chlorite Analyzer Reading	0.56	mg/L			None	CScudder	10/26/2020	

Lopez Treatment Plant Treated		201009010-00		Sample Date: 10/26/2020 10:30 AM		Sampler: Scudder		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	0.18	mg/L	0.1	0.8	SCLO2E	CScudder	10/26/2020	
Chlorite by Amperometric Tiration	0.52	mg/L	0.1	1	SCLO2E	CScudder	10/26/2020	
On-line Chlorite Analyzer Reading	0.48	mg/L			None	CScudder	10/26/2020	
Delivered Water		201009011-00		Sample Date: 10/27/2020 11:05 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/28/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	10/29/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	10/27/2020	
Temperature	20.0	° C			S2550B	BValencia	10/27/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	TChen	10/27/2020	
Total Chlorine Residual (measured in the field)	2.00	mg/L	0.1	4	SCL-G	BValencia	10/27/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/28/2020	
Turbidity (measured in field)	0.050	NTU	0.03		S2130B	BValencia	10/27/2020	
Delivered Water		201010010-00		Sample Date: 10/27/2020 9:20 AM		Sampler: Scudder		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	CScudder	10/27/2020	
Chlorite by Amperometric Tiration	0.57	mg/L	0.1	1	SCLO2E	CScudder	10/27/2020	
On-line Chlorite Analyzer Reading	0.53	mg/L			None	CScudder	10/27/2020	
Domestic Tank		201009011-01		Sample Date: 10/27/2020 10:10 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/28/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	10/29/2020	
Temperature	19.9	° C			S2550B	BValencia	10/27/2020	
Total Chlorine Residual (measured in the field)	2.52	mg/L	0.1	4	SCL-G	BValencia	10/27/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/28/2020	
Downstream of Discharge to Creek (RD-1)		200925010-02		Sample Date: 10/27/2020 12:05 PM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Field Inspection	Complete	N/A			None	BValencia	10/27/2020	

Lopez Treatment Plant Raw		201009011-02		Sample Date: 10/27/2020 10:50 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Blue-green Algae	0	Cells/mL			S10300C	FZenker	10/29/2020	
Calculated Total Algae Count	520	Cells/mL	1		S10300C	FZenker	10/29/2020	
Cryptomonads	0	Cells/mL			S10300C	FZenker	10/29/2020	
Diatoms	0	Cells/mL			S10300C	FZenker	10/29/2020	
Dinoflagellates	0	Cells/mL			S10300C	FZenker	10/29/2020	
Dissolved Oxygen	5.74	mg/L			S4500OG	BValencia	10/27/2020	
Flagellates	0	Cells/mL			S10300C	FZenker	10/29/2020	
Golden Algae	520	Cells/mL			S10300C	FZenker	10/29/2020	
Green Algae	0	Cells/mL			S10300C	FZenker	10/29/2020	
Intake # currently in use	5	Units			N/A	BValencia	10/27/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	10/27/2020	
pH (measured in field)	8.42	SU			SH-B	BValencia	10/27/2020	
Temperature	22.6	° C			S2550B	BValencia	10/27/2020	
Threshold Odor @ 60°C	2.5	TON	1	3	S2150B	TChen	10/27/2020	
Turbidity	1.7	NTU	0.03	0.5	S2130B	TChen	10/27/2020	
Turbidity (measured in field)	1.0	NTU	0.03		S2130B	BValencia	10/27/2020	
Lopez Treatment Plant Raw		201009011-03		Sample Date: 10/27/2020 10:55 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. Coli Bacteria	4.1	MPN/100ml	1		S9223B	BValencia	10/28/2020	
Total Coliform Bacteria	160	MPN/100mL	1		S9223B	BValencia	10/28/2020	
Lopez Treatment Plant Treated		201009011-04		Sample Date: 10/27/2020 11:00 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/28/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	10/29/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	10/27/2020	
Temperature	19.6	° C			S2550B	BValencia	10/27/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	TChen	10/27/2020	
Total Chlorine Residual (measured in the field)	2.24	mg/L	0.1	4	SCL-G	BValencia	10/27/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	10/28/2020	
Upstream of Discharge to Creek (RU1)		200925010-01		Sample Date: 10/27/2020 11:45 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Field Inspection	Complete	N/A			None	BValencia	10/27/2020	
WTP Discharge to Creek (E1)		200925010-00		Sample Date: 10/27/2020 10:00 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Field Inspection	Complete	N/A			None	BValencia	10/27/2020	
Delivered Water		201011006-00		Sample Date: 10/28/2020 7:40 AM		Sampler: Farrell		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Chlorine Dioxide Residual by Amperometric Titr	< 0.10	mg/L	0.1	0.8	SCLO2E	KFarrell	10/28/2020	
Chlorite by Amperometric Tiration	0.61	mg/L	0.1	1	SCLO2E	KFarrell	10/28/2020	
On-line Chlorite Analyzer Reading	0.54	mg/L			None	KFarrell	10/28/2020	

Delivered Water		201022021-00		Sample Date:		11/2/2020 1:10 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Aluminum Subcontracted	NA			200	E200.7						
Delivered Water		201022022-00		Sample Date:		11/2/2020 1:10 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Arsenic	NA			10	E200.8						
Delivered Water		201022025-02		Sample Date:		11/2/2020 1:10 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Calcium	NA		1		E200.7						
Magnesium	NA		1		E200.7						
Total Hardness as CaCO3 (Calculated)	NA		1		E200.7						
Delivered Water		201022026-00		Sample Date:		11/2/2020 1:05 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/3/2020				
Free Chlorine Residual (measured in the field)	2.68	mg/L	0.1	4	SCL-G	BValencia	11/2/2020				
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	11/4/2020				
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	11/2/2020				
Temperature	19.2	° C			S2550B	BValencia	11/2/2020				
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	TChen	11/2/2020				
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/3/2020				
Turbidity (measured in field)	0.060	NTU	0.03		S2130B	BValencia	11/2/2020				
Delivered Water		201022029-00		Sample Date:		11/2/2020 1:30 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Bromodichloromethane - Certified	NA				E524.2						
Bromoform - Certified	NA				E524.2						
Chloroform - Certified	NA				E524.2						
Dibromoacetic Acid (DBAA)	NA				E552.2						
Dibromochloromethane - Certified	NA				E524.2						
Dichloroacetic Acid (DCAA)	NA				E552.2						
Monobromoacetic Acid (MBAA)	NA				E552.2						
Monochloroacetic Acid (MCAA)	NA				E552.2						
Total Haloacetic Acids - 5 Compounds	NA			60	E552.2						
Total Trihalomethanes (TTHMs)	NA		1	80	E524.2						
Trichloroacetic Acid (TCAA)	NA				E552.2						
Delivered Water		201022029-01		Sample Date:		11/2/2020 1:30 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Free Chlorine Residual (measured in the field)	2.68	mg/L	0.1	4	SCL-G	BValencia	11/2/2020				
Temperature	19.2	° C			S2550B	BValencia	11/2/2020				

Domestic Tank		201022026-01	Sample Date:	11/2/2020 11:40 AM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/3/2020	
Free Chlorine Residual (measured in the field)	0.82	mg/L	0.1	4	SCL-G	BValencia	11/2/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	11/4/2020	
Temperature	18.8	° C			S2550B	BValencia	11/2/2020	
Total Chlorine Residual (measured in the field)	1.20	mg/L	0.1	4	SCL-G	BValencia	11/2/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/3/2020	
Lopez Treatment Plant Raw		201022022-01	Sample Date:	11/2/2020 1:20 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Arsenic	NA			10	E200.8			
Lopez Treatment Plant Raw		201022025-00	Sample Date:	11/2/2020 1:20 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	NA		1		E200.7			
Langelier Index (Calculated)	NA				N/A			
Magnesium	NA		1		E200.7			
pH (measured in field)	8.30	SU			SH-B	BValencia	11/2/2020	
pH (measured in the lab)	8.31	Units			SH-B	FDevlin	11/2/2020	
Temperature	19.6	° C			S2550B	BValencia	11/2/2020	
Total Alkalinity as CaCO3	283	mg/L	1		S2320B	FDevlin	11/12/2020	
Total Dissolved Solids	550	mg/L	1	1000	S2540C	FDevlin	11/12/2020	
Total Hardness as CaCO3 (Calculated)	NA		1		E200.7			
Lopez Treatment Plant Raw		201022026-02	Sample Date:	11/2/2020 12:50 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Blue-green Algae	0	Cells/mL			S10300C	FZenker	11/5/2020	
Calculated Total Algae Count	680	Cells/mL	1		S10300C	FZenker	11/5/2020	
Cryptomonads	0	Cells/mL			S10300C	FZenker	11/5/2020	
Diatoms	0	Cells/mL			S10300C	FZenker	11/5/2020	
Dinoflagellates	0	Cells/mL			S10300C	FZenker	11/5/2020	
Dissolved Oxygen	5.07	mg/L			S4500OG	BValencia	11/2/2020	
Flagellates	0	Cells/mL			S10300C	FZenker	11/5/2020	
Golden Algae	0	Cells/mL			S10300C	FZenker	11/5/2020	
Green Algae	680	Cells/mL			S10300C	FZenker	11/5/2020	
Intake # currently in use	2	Units			N/A	BValencia	11/2/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	TChen	11/2/2020	
pH (measured in field)	8.30	SU			SH-B	BValencia	11/2/2020	
Temperature	19.6	° C			S2550B	BValencia	11/2/2020	
Threshold Odor @ 60°C	2.5	TON	1	3	S2150B	TChen	11/2/2020	
Turbidity	0.92	NTU	0.03	0.5	S2130B	TChen	11/2/2020	
Turbidity (measured in field)	0.96	NTU	0.03		S2130B	BValencia	11/2/2020	
Lopez Treatment Plant Raw		201022026-03	Sample Date:	11/2/2020 12:55 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. Coli Bacteria	5.2	MPN/100ml	1		S9223B	BValencia	11/3/2020	
Total Coliform Bacteria	96	MPN/100mL	1		S9223B	BValencia	11/3/2020	

Lopez Treatment Plant Treated		201022021-01	Sample Date:	11/2/2020 1:15 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum Subcontracted	NA			200	E200.7			
Lopez Treatment Plant Treated		201022022-02	Sample Date:	11/2/2020 1:15 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Arsenic	NA			10	E200.8			
Lopez Treatment Plant Treated		201022025-01	Sample Date:	11/2/2020 1:15 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Calcium	NA		1		E200.7			
Magnesium	NA		1		E200.7			
Total Hardness as CaCO3 (Calculated)	NA		1		E200.7			
Lopez Treatment Plant Treated		201022026-04	Sample Date:	11/2/2020 1:00 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/3/2020	
Free Chlorine Residual (measured in the field)	3.74	mg/L	0.1	4	SCL-G	BValencia	11/2/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	11/4/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	TChen	11/2/2020	
Temperature	19.4	° C			S2550B	BValencia	11/2/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	TChen	11/2/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/3/2020	
Lopez Treatment Plant Treated		201022029-02	Sample Date:	11/2/2020 1:35 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Bromodichloromethane - Certified	NA				E524.2			
Bromoform - Certified	NA				E524.2			
Chloroform - Certified	NA				E524.2			
Dibromoacetic Acid (DBAA)	NA				E552.2			
Dibromochloromethane - Certified	NA				E524.2			
Dichloroacetic Acid (DCAA)	NA				E552.2			
Monobromoacetic Acid (MBAA)	NA				E552.2			
Monochloroacetic Acid (MCAA)	NA				E552.2			
Total Haloacetic Acids - 5 Compounds	NA			60	E552.2			
Total Trihalomethanes (TTHMs)	NA		1	80	E524.2			
Trichloroacetic Acid (TCAA)	NA				E552.2			
Lopez Treatment Plant Treated		201022029-03	Sample Date:	11/2/2020 1:35 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Free Chlorine Residual (measured in the field)	3.74	mg/L	0.1	4	SCL-G	BValencia	11/2/2020	
Temperature	19.4	° C			S2550B	BValencia	11/2/2020	
Recycled Water		201022021-03	Sample Date:	11/2/2020 1:25 PM	Sampler: BValencia			
Analyte	Result	Units	RL	MCL	Method	Analyst	Anal. Date	Qualifier
Aluminum Subcontracted	NA			200	E200.7			
Metals Digestion	Yes	Yes/No			E200.7	FDevlin	11/4/2020	

Sludge		201022028-00		Sample Date: 11/2/2020 11:20 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Antimony	NA			500	E6020A			
Arsenic	NA		1	10	E6020A			
Barium	NA		10	10000	E6020A			
Beryllium	NA			75	E6020A			
Cadmium	NA			100	E6020A			
Chromium	NA			2500	E6020A			
Cobalt	NA			8000	E6020A			
Copper	NA		5	2500	E6020A			
EPA 8260B Volatile Organic Compounds Package w/QA	NA				E8260B			
Lead	NA			1000	E6020A			
Mercury	NA			20	E6020A			
Moisture Content	45	%			Gravimetric	FDevlin	11/9/2020	
Molybdenum	NA			3500	E6020A			
Nickel	NA			2000	E6020A			
Selenium	NA			100	E6020A			
Silver	NA			500	E6020A			
Thallium	NA			700	E6020A			
Total Petroleum Hydrocarbons as Diesel	NA				E8015M			
Total Petroleum Hydrocarbons as Gasoline	NA				E8015M			
Vanadium	NA			2400	E6020A			
Zinc	NA			5000	E6020A			

WTP Discharge to Creek (E1)		201022027-00		Sample Date: 11/2/2020 10:45 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
Flow	16000	gpd			Calculation	BValencia	11/2/2020	
pH (measured in field)	7.71	SU			SH-B	BValencia	11/2/2020	

Delivered Water		201023011-00		Sample Date: 11/9/2020 12:05 PM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/10/2020	
Free Chlorine Residual (measured in the field)	2.92	mg/L	0.1	4	SCL-G	BValencia	11/9/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	11/11/2020	
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	FDevlin	11/9/2020	
Temperature	17.7	° C			S2550B	BValencia	11/9/2020	
Threshold Odor @ 60°C	1.0	TON	1	3	S2150B	FDevlin	11/9/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/10/2020	
Turbidity (measured in field)	0.060	NTU	0.03		S2130B	BValencia	11/9/2020	

Domestic Tank		201023011-01		Sample Date: 11/9/2020 10:35 AM		Sampler: BValencia		
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/10/2020	
Free Chlorine Residual (measured in the field)	1.57	mg/L	0.1	4	SCL-G	BValencia	11/9/2020	
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	11/11/2020	
Temperature	16.0	° C			S2550B	BValencia	11/9/2020	
Total Chlorine Residual (measured in the field)	1.90	mg/L	0.1	4	SCL-G	BValencia	11/9/2020	
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/10/2020	

Lopez Treatment Plant Raw		201023010-00		Sample Date:		11/9/2020 11:45 AM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Iron	NA		10	300	E200.7						
Manganese	NA		5	50	E200.7						
Metals Digestion	NA				E200.7						
Lopez Treatment Plant Raw		201023011-02		Sample Date:		11/9/2020 11:55 AM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Blue-green Algae	0	Cells/mL			S10300C	BValencia	11/10/2020				
Calculated Total Algae Count	2200	Cells/mL	1		S10300C	BValencia	11/10/2020				
Cryptomonads	0	Cells/mL			S10300C	BValencia	11/10/2020				
Diatoms	2000	Cells/mL			S10300C	BValencia	11/10/2020				
Dinoflagellates	0	Cells/mL			S10300C	BValencia	11/10/2020				
Dissolved Oxygen	3.79	mg/L			S4500OG	BValencia	11/9/2020				
Flagellates	0	Cells/mL			S10300C	BValencia	11/10/2020				
Golden Algae	0	Cells/mL			S10300C	BValencia	11/10/2020				
Green Algae	180	Cells/mL			S10300C	BValencia	11/10/2020				
Intake # currently in use	5	Units			N/A	BValencia	11/9/2020				
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	Df	Odor Type			S2150B	FDevlin	11/9/2020				
pH (measured in field)	8.17	SU			SH-B	BValencia	11/9/2020				
Temperature	18.3	° C			S2550B	BValencia	11/9/2020				
Threshold Odor @ 60°C	3.0	TON	1	3	S2150B	FDevlin	11/9/2020				
Turbidity	1.0	NTU	0.03	0.5	S2130B	FDevlin	11/9/2020				
Turbidity (measured in field)	0.88	NTU	0.03		S2130B	BValencia	11/9/2020				
Lopez Treatment Plant Raw		201023011-03		Sample Date:		11/9/2020 11:55 AM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
E. Coli Bacteria	6.3	MPN/100ml	1		S9223B	BValencia	11/10/2020				
Total Coliform Bacteria	99	MPN/100mL	1		S9223B	BValencia	11/10/2020				
Lopez Treatment Plant Treated		201023010-01		Sample Date:		11/9/2020 11:50 AM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
Iron	NA		10	300	E200.7						
Manganese	NA		5	50	E200.7						
Lopez Treatment Plant Treated		201023011-04		Sample Date:		11/9/2020 12:00 PM		Sampler:		BValencia	
<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>RL</u>	<u>MCL</u>	<u>Method</u>	<u>Analyst</u>	<u>Anal. Date</u>	<u>Qualifier</u>			
E. coli Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/10/2020				
Free Chlorine Residual (measured in the field)	3.84	mg/L	0.1	4	SCL-G	BValencia	11/9/2020				
Heterotrophic Plate Count	<1	CFU/mL	1	500	S9215B	BValencia	11/11/2020				
Odor Type @ 60°C (A/B/C/D/E/G/M/V)	M	Odor Type			S2150B	FDevlin	11/9/2020				
Temperature	17.1	° C			S2550B	BValencia	11/9/2020				
Threshold Odor @ 60°C	2.0	TON	1	3	S2150B	FDevlin	11/9/2020				
Total Coliform Presence/Absence	Absent	Present/Absent		0.9	S9223B	BValencia	11/10/2020				

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 - geranium, 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)