



Monthly Mineral Analyses
Date of Sample: October 13, 2020

UTILITIES

Maintenance of Lines & Treatment
2726 Holly Road
Corpus Christi
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Gas
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Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.096	0.35	1.10	0.97
Sodium	88.6	54.6	119	24.2
Iron	0.057	0.23	0.72	0.66
Manganese	0.013	0.016	0.034	0.040
Copper	<0.002	0.002	<0.002	0.003
Lead	<0.0005	<0.0005	0.0010	0.0007
Bromide	0.60	0.40	0.73	0.15
Conductivity	778	736	1148	380
Total Alkalinity	132	186	196	113
Calcium	45	75	93	42
Chloride	104	78	181	23
Fluoride	0.22	0.22	0.22	0.21
Total Hardness	160	236	292	152
pH	8.07	8.49	8.20	7.69
Silica, Dissolved	19.2	25.9	27.7	11.8
Sulfate	55	40	66	20
Turbidity	4.1	15	23	26
Dissolved Solids	404	414	646	198
Suspended Solids	3	11	30	15
Nitrate	0.07	0.11	0.14	0.53
Nitrite	0.03	<0.02	<0.02	<0.02
Ortho Phosphorous	<0.05	0.14	0.11	0.17
Atrazine	< 2.4	< 2.4	< 2.5	< 2.4
Total Arsenic	6.4	8.6	9.4	3.0
Dissolved Arsenic	<10.0	10.0	13.0	<10.0
Barium	0.08	0.14	0.17	0.11
Cadmium	< 0.001	< 0.001	< 0.001	< 0.001
Mercury	< 0.0002	< 0.0002	< 0.0002	< 0.0002

Results expressed in mg/L, except as follows: Conductivity – umhos/cm, pH – SU, Turbidity – NTU, and Atrazine, Total Arsenic, Dissolved Arsenic – µg/L, Total Hardness/Total Alkalinity – mg/L as CaCO₃.

Reviewed by: [Signature] Title: Technical Manager Date: 11/2/2020

Approved by: [Signature] Title: Laboratory Manager Date: 11/02/20



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Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.20	0.16	0.17
Sodium	98.6	84.8	79.0
Iron	< 0.007	< 0.007	< 0.007
Manganese	0.0009	0.0044	0.0053
Copper	<0.002	< 0.002	< 0.002
Lead	< 0.0005	< 0.0005	< 0.0005
Bromide	0.34	0.33	0.27
Conductivity	907	870	805
Total Alkalinity	151	139	127
Calcium	72	67	64
Chloride	115	109	99
Fluoride	0.60	0.48	0.48
Total Hardness	224	212	196
pH	7.98	7.90	8.03
Silica, Dissolved	17.7	17.3	16.6
Sulfate	73	75	71
Turbidity	0.10	0.10	0.15
Dissolved Solids	462	468	398
Suspended Solids	< 2	< 2	< 2
Nitrate	0.33	0.36	0.37
Nitrite	<0.02	0.02	0.02
Ortho Phosphorous	< 0.05	< 0.05	< 0.05

Results expressed in mg/L, except as follows: Conductivity – umhos/cm, pH – SU, and Turbidity – NTU.

Reviewed by:  Title: Technical Manager Date: 11/2/2020
 Approved by:  Title: Laboratory Manager Date: 11/02/20