



Monthly Mineral Analyses
Date of Sample: September 15, 2020

UTILITIES

Maintenance of Lines & Treatment
2726 Holly Road
Corpus Christi
Texas 78415
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Gas
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Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.086	0.59	1.2	0.80
Sodium	81.4	51.8	58.1	22.6
Iron	0.055	0.36	0.67	0.55
Manganese	0.013	0.016	0.035	0.037
Copper	0.008	<0.002	0.004	0.002
Lead	<0.0005	<0.0005	0.0008	0.0005
Bromide	0.58	0.36	0.37	0.14
Conductivity	784	702	685	413
Total Alkalinity	132	188	124	131
Calcium	53	78	72	48
Chloride	104	75	93	23
Fluoride	0.12	0.10	0.08	0.18
Total Hardness	144	240	148	152
pH	8.26	8.60	7.71	7.90
Silica, Dissolved	19.8	25.4	25.7	13.0
Sulfate	56	39	36	22
Turbidity	3.8	15	36	25
Dissolved Solids	513	507	131	285
Suspended Solids	4	13	27	8
Nitrate	0.07	0.12	0.40	1.37
Nitrite	<0.02	<0.02	0.02	<0.02
Ortho Phosphorous	<0.05	0.12	0.26	0.20
Atrazine	< 2.4	< 2.5	< 2.6	< 2.6
Total Arsenic	6.0	7.8	7.7	3.9
Dissolved Arsenic	12.5	10.8	<10.0	<10.0
Barium	0.08	0.14	0.12	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	0.14	0.17
Sodium	48.8	44.8	41.2
Iron	< 0.007	< 0.007	< 0.007
Manganese	0.007	0.014	0.006
Copper	<0.002	0.002	< 0.002
Lead	< 0.0005	< 0.0005	< 0.0005
Bromide	0.12	0.10	0.06
Conductivity	514	492	461
Total Alkalinity	104	88	93
Calcium	22	56	40
Chloride	43	40	34
Fluoride	0.56	0.47	0.50
Total Hardness	188	100	128
pH	7.96	7.85	7.88
Silica, Dissolved	10.9	10.8	10.0
Sulfate	52	55	53
Turbidity	0.10	0.15	0.10
Dissolved Solids	307	319	304
Suspended Solids	< 2	< 2	< 2
Nitrate	0.75	0.77	0.53
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
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