



Monthly Mineral Analyses
Date of Sample: November 17, 2020

UTILITIES

Maintenance of Lines & Treatment
2726 Holly Road
Corpus Christi
Texas 78415
Phone 361-826-1800
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Gas
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Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.10	0.70	0.29	1.5
Sodium	75.9	49.1	123	29.0
Iron	0.063	0.45	0.19	0.99
Manganese	0.013	0.022	0.015	0.046
Copper	<0.002	<0.002	<0.002	0.002
Lead	<0.0005	<0.0005	<0.0005	0.0008
Bromide	0.63	0.40	0.77	0.17
Conductivity	814	739	1196	518
Total Alkalinity	136	188	200	164
Calcium	62	85	117	66
Chloride	107	80	197	31
Fluoride	0.22	0.24	0.21	0.29
Total Hardness	164	228	292	184
pH	8.22	8.43	8.06	7.89
Silica, Dissolved	20.4	28.4	29.9	17.9
Sulfate	55	40	71	31
Turbidity	6.0	20.0	8.2	34.0
Dissolved Solids	508	451	671	330
Suspended Solids	9	20	8	24
Nitrate	0.11	0.12	0.21	1.91
Nitrite	<0.02	<0.02	<0.02	<0.02
Ortho Phosphorous	<0.05	0.14	0.13	0.22
Atrazine	<2.5	<2.4	<2.4	<2.4
Total Arsenic	5.9	7.5	8.7	3.6
Dissolved Arsenic	<10.0	<10.0	<10.0	<10.0
Barium	0.10	0.15	0.16	0.12
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: 12/7/2020

Approved by: [Signature] Title: Laboratory Manager Date: 12/7/20



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Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.17	0.15	0.16
Sodium	83.1	84.6	86.8
Iron	<0.007	<0.007	<0.007
Manganese	<0.0005	0.0008	0.0007
Copper	<0.002	0.011	<0.002
Lead	<0.0005	<0.0005	<0.0005
Bromide	0.33	0.33	0.35
Conductivity	971	925	961
Total Alkalinity	177	153	159
Calcium	85	83	83
Chloride	121	120	125
Fluoride	0.51	0.44	0.46
Total Hardness	236	220	224
pH	8.03	7.96	7.98
Silica, Dissolved	17.3	17.0	17.0
Sulfate	83	84	86
Turbidity	0.10	0.10	0.10
Dissolved Solids	590	538	588
Suspended Solids	<2	<2	<2
Nitrate	0.94	0.94	0.90
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.

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