



City of
Corpus
Christi

UTILITIES

Maintenance
of Lines
&
Treatment

2726 Holly Road
Corpus Christi
Texas 78415
Phone 361-826-1800
Fax 361-826-1889

Gas
4225 S. Port Ave.
Corpus Christi
Texas 78415
Phone 361-885-6900
Fax 361-853-3200

Monthly Mineral Analyses
Date of Sample: September 10, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.043	0.131	0.16	2.54
Sodium	68.1	33.3	66.4	10.1
Iron	0.02	0.09	0.10	1.37
Manganese	0.018	0.028	0.018	0.027
Copper	< 0.002	< 0.002	< 0.002	0.003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.50	0.16	0.26	0.06
Conductivity	767	628	879	205
Total Alkalinity	139	182	181	75
Calcium	63	75	79	26
Chloride	95.6	51.6	110	14.3
Fluoride	0.20	0.17	0.21	0.16
Total Hardness	196	244	288	144
pH	8.16	8.32	8.14	8.00
Silica, Dissolved*	19.6	23.1	25.5	21.0
Sulfate	55.0	29.7	45.7	6.04
Turbidity	4.1	22	16	65
Dissolved Solids	433	314	459	199
Suspended Solids	5	14	8	4
Nitrate	0.32	0.23	0.37	0.47
Nitrite	< 0.025	< 0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.05	0.11	0.13	0.20
Atrazine	< 0.05	< 0.05	< 0.05	0.096
Total Arsenic	5.69	4.64	6.08	2.70
Dissolved Arsenic	5.52	4.54	5.81	2.65
Barium	0.081	0.117	0.123	0.097
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:  Title: Technical Manager Date: 9/27/19

Approved by:  Title: Laboratory Manager Date: 9/27/19



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Monthly Mineral Analyses
Date of Sample September 10, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.244	0.168	0.221
Sodium	59.4	53.6	62.6
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	0.002	< 0.002
Copper	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	0.18	0.18	0.20
Conductivity	672	606	615
Total Alkalinity	115	105	112
Calcium	58	50	48
Chloride	69.7	67.3	72.7
Fluoride	0.71	0.62	0.69
Total Hardness	224	196	140
pH	7.92	7.92	7.99
Silica, Dissolved*	13.9	13.9	13.4
Sulfate	62.9	66.0	64.9
Turbidity	0.05	0.05	0.10
Dissolved Solids	369	393	363
Suspended Solids	< 2	< 2	< 2
Nitrate	0.36	0.37	0.41
Nitrite	< 0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.05	< 0.05	0.07

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

Reviewed by: [Signature] Title: Technical Manager Date: 9/27/19

Approved by: [Signature] Title: Laboratory Manager Date: 9/27/19