



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: August 13, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.024	0.661	0.708	3.07
Sodium	63.2	29.3	68.5	8.8
Iron	0.02	0.41	0.43	2.29
Manganese	0.016	0.03	0.028	0.034
Copper	< 0.002	< 0.002	< 0.002	0.002
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.52	0.21	0.52	0.06
Conductivity	793	625	928	203
Total Alkalinity	146	174	178	68
Calcium	58	72	94	30
Chloride	93.8	48.3	127.0	11.8
Fluoride	0.24	0.21	0.20	0.16
Total Hardness	192	204	244	76
pH	8.42	8.34	8.13	7.94
Silica, Dissolved*	17.7	21.6	22.2	35.7
Sulfate	54.7	29.1	49.7	5.91
Turbidity	3.7	21	13	80
Dissolved Solids	402	334	511	185
Suspended Solids	4	16	13	3
Nitrate	0.08	0.22	0.33	0.61
Nitrite	< 0.025	< 0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.05	0.09	0.11	0.17
Atrazine	< 0.05	< 0.05	< 0.05	0.093
Total Arsenic	6.37	4.89	5.56	2.82
Dissolved Arsenic	5.89	4.11	5.53	2.66
Barium	0.079	0.112	0.121	0.091
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: Clarissa Rangel Title: Technical Manager Date: 9-5-19

Approved by: M. J. Duarez Title: Laboratory Manager Date: 9/5/19



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Monthly Mineral Analyses
Date of Sample August 13, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.321	0.247	0.231
Sodium	67.8	69.2	64.5
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	0.24	0.25	0.25
Conductivity	777	728	776
Total Alkalinity	127	104	114
Calcium	56	51	77
Chloride	91.3	92.1	93.3
Fluoride	0.65	0.55	0.64
Total Hardness	172	156	176
pH	8.11	7.98	8.02
Silica, Dissolved*	15.0	14.3	14.4
Sulfate	71.9	78.9	74.4
Turbidity	0.10	0.15	0.05
Dissolved Solids	375	362	368
Suspended Solids	< 2	< 2	< 2
Nitrate	0.38	0.38	0.41
Nitrite	0.03	0.03	< 0.025
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: Clarissa Rangel Title: Technical Manager Date: 9-5-19

Approved by: M. B. Juarez Title: Laboratory Manager Date: 9/5/19