



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: March 12, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.090	0.386	0.446	3.32
Sodium	62.2	19.1	69.5	8.85
Iron	0.062	0.229	0.273	2.22
Manganese	0.005	0.007	0.019	0.031
Copper	< 0.002	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.42	0.12	0.43	0.03
Conductivity	758	497	935	175
Total Alkalinity	170	192	202	63
Calcium	70	75	88	26
Chloride	81.7	21.6	124	12.8
Fluoride	< 0.2	< 0.2	< 0.2	< 0.2
Total Hardness	192	200	256	60
pH	8.19	8.25	8.02	7.53
Silica, Dissolved*	19.1	14.6	16.6	36.4
Sulfate	48.3	19.3	44.3	5.20
Turbidity	8.6	15	10	100
Dissolved Solids	406	291	497	187
Suspended Solids	5	7	8	29
Nitrate	< 0.02	0.08	0.25	0.50
Nitrite	< 0.02	< 0.02	< 0.02	0.06
Total Phosphorous	0.09	0.12	0.13	0.20
Atrazine	< 0.05	< 0.05	< 0.05	0.084
Total Arsenic	6.63	3.59	4.98	2.07
Dissolved Arsenic	5.48	2.49	4.09	1.86
Barium	0.086	0.102	0.114	0.083
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: 10 APR 2019

Approved by:  Title: Laboratory Manager Date: 4/10/19



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Monthly Mineral Analyses
Date of Sample March 12, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	< 0.18	0.154	0.199
Sodium	505	54.7	52.8
Iron	< 0.018	< 0.02	< 0.05
Manganese	< 0.0045	< 0.002	< 0.002
Copper	< 0.009	< 0.002	< 0.002
Lead	< 0.009	< 0.002	< 0.002
Bromide	0.15	0.14	0.15
Conductivity	622	609	598
Total Alkalinity	121	114	114
Calcium	51	56	53
Chloride	55.7	62.9	57.8
Fluoride	0.50	0.50	0.22
Total Hardness	148	152	136
pH	7.89	7.91	7.85
Silica, Dissolved*	10.9	11.0	10.5
Sulfate	51.4	61.0	59.7
Turbidity	0.15	0.20	0.15
Dissolved Solids	327	316	305
Suspended Solids	< 2	< 2	< 2
Nitrate	0.39	0.36	0.38
Nitrite	< 0.02	< 0.02	< 0.02
Total Phosphorous	< 0.06	< 0.06	< 0.06

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

Reviewed by: [Signature] Title: Technical Manager Date: 10 Apr 2019

Approved by: [Signature] Title: Laboratory Manager Date: 4/10/19