



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: February 12, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.139	0.477	3.6	0.737
Sodium	54.5	15.3	6.08	37.7
Iron	0.09	0.31	2.53	0.47
Manganese	0.006	0.006	0.022	0.023
Copper	< 0.002	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002	0.003
Bromide	0.76	0.35	0.53	0.25
Conductivity	763	497	713	158
Total Alkalinity	166	205	193	56
Calcium	69	77	85	24
Chloride	22.4	25.8	74.4	10.6
Fluoride	0.18	0.12	0.13	0.12
Total Hardness	188	100	228	72
pH	8.18	8.26	8.16	7.56
Silica, Dissolved*	22.7	16.2	18.2	12.9
Sulfate	12.8	19.4	33.8	4.49
Turbidity	5.3	11	16	95
Dissolved Solids	416	318	424	201
Suspended Solids	5	4	5	7
Nitrate	< 0.02	0.16	0.24	0.42
Nitrite	< 0.02	< 0.02	< 0.02	0.07
Ortho Phosphorous	< 0.2	< 0.2	< 0.2	< 0.2
Atrazine	< 0.05	< 0.05	< 0.05	0.127
Total Arsenic	5.49	2.18	2.09	2.44
Dissolved Arsenic	5.19	2.09	2.17	< 2
Barium	0.080	0.092	0.096	0.077
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: Valerie Aulton Title: Technical Manager Date: 3-18-19

Approved by: M. B. Jones Title: Laboratory Manager Date: 3/18/19



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Monthly Mineral Analyses
Date of Sample February 12, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.154	0.136	0.15
Sodium	29.6	29.8	38.7
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	0.37	0.36	0.39
Conductivity	453	443	460
Total Alkalinity	97	93	97
Calcium	45	45	45
Chloride	8.81	35.6	9.26
Fluoride	0.08	0.09	0.13
Total Hardness	120	124	120
pH	7.80	7.87	7.86
Silica, Dissolved*	10.2	10.1	11.0
Sulfate	13.2	52.6	13.4
Turbidity	0.20	0.25	0.35
Dissolved Solids	278	252	254
Suspended Solids	< 2	< 2	< 2
Nitrate	0.37	0.37	0.43
Nitrite	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.2	< 0.2	< 0.2

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

Reviewed by: Valerie Oulton Title: Technical Manager Date: 3-18-19

Approved by: M. J. Suarez Title: Laboratory Manager Date: 3/18/19