



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: May 14, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.094	0.716	6.26	6.20
Sodium	64.3	20.8	9.51	9.61
Iron	0.06	0.44	4.27	4.13
Manganese	0.009	0.013	0.074	0.061
Copper	< 0.002	< 0.002	0.004	0.004
Lead	< 0.002	< 0.002	0.003	0.003
Bromide	0.46	0.15	0.04	0.04
Conductivity	771	544	211	189
Total Alkalinity	167	184	65	66
Calcium	56	67	19	26
Chloride	84.5	27.6	13.3	13.1
Fluoride	0.18	0.12	0.11	0.11
Total Hardness	192	188	88	64
pH	8.57	8.47	8.07	8.06
Silica, Dissolved*	21.6	18.1	19.1	28.9
Sulfate	51.9	24.5	5.38	5.19
Turbidity	3.2	17	130	130
Dissolved Solids	441	322	269	270
Suspended Solids	3	3	9	11
Nitrate	0.12	0.22	0.42	0.42
Nitrite	0.10	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	0.09	0.08	0.11	0.11
Atrazine	<0.05	< 0.05	0.163	0.136
Total Arsenic	5.05	3.70	< 2.0	< 2.0
Dissolved Arsenic	4.03	3.22	<2.0	< 2.0
Barium	0.091	0.105	0.094	0.098
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: 7-5-19

Approved by: [Signature] Title: Laboratory Manager Date: 7/5/19



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Monthly Mineral Analyses
Date of Sample May 14, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.334	0.253	0.266
Sodium	36.4	38.6	47.6
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	0.19	0.15	0.19
Conductivity	494	489	550
Total Alkalinity	115	117	106
Calcium	43	37	45
Chloride	32.8	34.7	46.3
Fluoride	0.60	0.54	0.58
Total Hardness	120	112	136
pH	8.15	8.13	8.07
Silica, Dissolved*	11.8	11.7	12.1
Sulfate	51.5	54.4	55.6
Turbidity	0.20	0.05	0.05
Dissolved Solids	280	267	317
Suspended Solids	< 2	< 2	< 2
Nitrate	0.37	0.45	0.48
Nitrite	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	< 0.03	< 0.03

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

Reviewed by: Jacobs Title: Technical Manager Date: 07-05-19

Approved by: M. B. Juarez Title: Laboratory Manager Date: 7/5/19