



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: December 18, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.182	0.674	0.346	4.99
Sodium	68.0	17.5	61.0	8.88
Iron	0.10	0.34	0.26	2.33
Manganese	0.005	0.007	0.032	0.024
Copper	< 0.002	< 0.002	< 0.002	0.004
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.50	0.08	0.42	0.04
Conductivity	743	431	811	157
Total Alkalinity	161	174	202	54
Calcium	54	62	83	19
Chloride	89.4	19.1	92.2	13.7
Fluoride	0.24	0.18	0.21	0.16
Total Hardness	184	176	228	52
pH	8.11	8.07	7.74	7.39
Silica, Dissolved*	22.9	22.9	27.6	35.1
Sulfate	45.3	15.3	31.8	5.1
Turbidity	4.9	11	8.9	70
Dissolved Solids	410	264	444	162
Suspended Solids	5	3	2	9
Nitrate	0.11	0.21	0.29	0.27
Nitrite	< 0.02	0.06	< 0.02	< 0.02
Ortho Phosphorous	0.06	0.14	0.16	0.13
Atrazine	< 0.05	< 0.05	< 0.05	0.161
Total Arsenic	5.80	3.16	5.12	< 2
Dissolved Arsenic	5.48	2.57	4.39	< 2
Barium	0.082	0.087	0.125	0.073
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: Valin Chilton Title: Technical Manager Date: 1-8-19

Approved by: M. J. Juarez Title: Laboratory Manager Date: 1/8/19



City of
Corpus
Christi

Monthly Mineral Analyses
Date of Sample December 18, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.191	0.138	0.172
Sodium	45.2	39.8	37.2
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	0.11	0.10	0.06
Conductivity	508	476	429
Total Alkalinity	112	102	97
Calcium	42	40	38
Chloride	38.6	35.6	27.4
Fluoride	0.55	0.44	0.52
Total Hardness	120	120	108
pH	7.81	7.64	7.73
Silica, Dissolved*	14.2	13.0	13.1
Sulfate	49.9	50.2	47.6
Turbidity	0.05	0.10	0.10
Dissolved Solids	272	257	230
Suspended Solids	< 2	< 2	< 2
Nitrate	0.30	0.29	0.29
Nitrite	0.04	< 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: Valerie Aulten Title: Technical Manager Date: 1-8-19

Approved by: MB Jones Title: Laboratory Manager Date: 1/8/19

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