



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: October 15, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.082	0.132	0.199	0.381
Sodium	69.8	33.8	104	32.7
Iron	0.05	0.09	0.12	0.26
Manganese	0.010	0.024	0.010	0.027
Copper	<0.002	< 0.002	< 0.002	0.003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.56	0.27	0.78	0.22
Conductivity	750	656	1255	524
Total Alkalinity	135	183	192	144
Calcium	82	82	99	54
Chloride	103	57.6	209	44.5
Fluoride	0.24	0.16	0.25	0.28
Total Hardness	184	264	292	164
pH	8.34	8.43	8.12	8.00
Silica, Dissolved*	20.1	22.9	28.7	21.6
Sulfate	59.4	32.4	75.5	25.6
Turbidity	4.2	20	5.8	25
Dissolved Solids	198	187	321	135
Suspended Solids	5	9	< 2	28
Nitrate	0.20	0.18	0.23	0.52
Nitrite	< 0.025	< 0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.06	0.13	0.10	0.14
Atrazine	< 0.05	< 0.05	< 0.05	0.254
Total Arsenic	5.48	5.30	6.55	2.39
Dissolved Arsenic	5.06	4.27	5.33	2.25
Barium	0.078	0.115	0.131	0.116
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: 28 OCT 2019

Approved by: [Signature] Title: Laboratory Manager Date: 10/29/19



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Monthly Mineral Analyses
Date of Sample October 15, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.198	0.183	0.180
Sodium	84.2	77.8	82.7
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	0.25	0.26	0.25
Conductivity	973	928	928
Total Alkalinity	152	142	149
Calcium	94	75	83
Chloride	128	120	121
Fluoride	0.71	0.66	0.70
Total Hardness	224	208	216
pH	8.00	7.99	8.01
Silica, Dissolved*	15.6	14.7	16.6
Sulfate	87.5	89.0	87.4
Turbidity	0.40	0.05	0.10
Dissolved Solids	238	229	235
Suspended Solids	< 2	< 2	< 2
Nitrate	0.35	0.39	0.38
Nitrite	< 0.025	< 0.025	< 0.025
Ortho Phosphorous	< 0.06	< 0.06	< 0.06

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

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