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: **January 15, 2019**

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.185	0.451	0.711	7.14
Sodium	65.2	16.5	39.7	6.55
Iron	0.09	0.24	0.37	3.31
Manganese	0.007	0.007	0.013	0.027
Copper	< 0.002	< 0.002	< 0.002	0.004
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.62	0.10	0.28	0.04
Conductivity	776	479	636	144
Total Alkalinity	170	189	190	50
Calcium	107	77	91	21
Chloride	96.3	23.8	68.5	9.91
Fluoride	0.25	0.17	0.18	0.17
Total Hardness	204	216	252	120
pH	8.16	8.27	8.07	7.43
Silica, Dissolved*	23.1	22.7	23.5	41.3
Sulfate	49.2	17.5	28.9	3.95
Turbidity	4.4	10	10	80
Dissolved Solids	402	273	341	162
Suspended Solids	4	21	3	5
Nitrate	0.14	0.22	0.28	0.40
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	0.08	0.11	0.13	0.15
Atrazine	< 0.05	< 0.05	< 0.05	0.162
Total Arsenic	7.42	2.36	4.44	2.43
Dissolved Arsenic	4.28	< 2	2.25	< 2
Barium	0.098	0.102	0.108	0.080
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 Chilton Title: Technical Manager Date: 1-30-19

Approved by: M B Juarez Title: Laboratory Manager Date: 1/30/19

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Monthly Mineral Analyses

Date of Sample **January 15, 2019**

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.241	0.164	0.243
Sodium	43	41.8	46.9
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	0.14	0.12	0.14
Conductivity	521	522	554
Total Alkalinity	123	117	127
Calcium	53	46	50
Chloride	50.2	49.0	61.7
Fluoride	0.59	0.46	0.54
Total Hardness	180	176	200
pH	7.81	7.82	7.89
Silica, Dissolved*	14.0	14.0	14.1
Sulfate	55.8	56.8	59.5
Turbidity	0.15	0.10	0.10
Dissolved Solids	292	284	288
Suspended Solids	< 2	< 2	< 2
Nitrate	0.54	0.43	0.41
Nitrite	0.08	0.07	< 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 Chilton Title: Technical Manager Date: 1-30-19

Approved by: [signature] Title: Laboratory Manager Date: 1/30/19