



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: July 12, 2016

Parameter	Choke Canyon	Lake CC	Stevens Intake	Lake Texana
Aluminum	0.087	1.09	0.90	5.62
Sodium	102	52.9	73.5	7.14
Iron	0.050	0.689	0.579	3.78
Manganese	0.016	0.051	0.045	0.070
Copper	< 0.002	< 0.002	< 0.002	0.004
Lead	< 0.002	< 0.002	< 0.002	0.002
Bromide	0.90	0.32	0.48	0.05
Conductivity	931	695	871	222
Total Alkalinity	151	206	223	72
Calcium	50	75	85	26
Chloride	146	60	109	3.7
Fluoride	0.18	0.13	0.14	0.09
Total Hardness	180	216	244	64
pH	8.39	8.47	8.17	7.65
Silica, Dissolved*	25.2	26.5	28.2	24.6
Sulfate	63	27	38	3.5
Turbidity	6.1	27	18	100
Dissolved Solids	581	444	551	223
Suspended Solids	7	28	12	9
Nitrate	0.11	0.17	0.26	0.48
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.16	0.18	0.13
Atrazine	< 0.05	< 0.05	< 0.05	0.095
Total Arsenic	6.16	4.09	5.19	< 2.0
Dissolved Arsenic	4.82	2.54	3.75	< 2.0
Barium	0.10	0.15	0.16	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

* Calculation based on conversion from Silicon to Silica

Approved by: M. J. Jares Title: Lab Manager Date: 7/25/16



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Monthly Mineral Analyses

Date of Sample July 12, 2016

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.204	0.199	0.172
Sodium	54.3	48.0	47.6
Iron	< 0.02	< 0.02	< 0.02
Manganese	< 0.002	0.003	< 0.002
Copper	<0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002
Bromide	< 0.02	< 0.02	< 0.02
Conductivity	618	600	613
Total Alkalinity	128	128	128
Calcium	51	51	51
Chloride	49	51	48
Fluoride	0.54	0.11	0.46
Total Hardness	148	148	148
pH	7.83	7.82	7.85
Silica, Dissolved*	18.3	18.7	18.7
Sulfate	50	43	49
Turbidity	0.15	0.15	0.45
Dissolved Solids	374	350	366
Suspended Solids	< 2	< 2	< 2
Nitrate	0.29	0.29	0.30
Nitrite	< 0.02	< 0.02	0.03
Ortho Phosphorous	< 0.03	< 0.03	< 0.03

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

* Calculation based on conversion from Silicon to Silica

Approved by: YMB Jones Title: Lab Manager Date: 7/25/16