



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 11, 2017

| Parameter | Choke Canyon | Lake CC | Stevens Intake | Lake Texana |
|--------------------|--------------|----------|----------------|-------------|
| Aluminum | 0.055 | 0.062 | 0.184 | 0.113 |
| Sodium | 103 | 56.4 | 165 | 5.69 |
| Iron | < 0.2 | < 0.2 | 0.185 | 0.175 |
| Manganese | 0.0111 | 0.0095 | 0.1220 | 0.0215 |
| Copper | < 0.002 | < 0.002 | 0.0023 | 0.0044 |
| Lead | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| Bromide | 0.86 | 0.64 | 1.43 | 0.03 |
| Conductivity | 1001 | 772 | 1654 | 172 |
| Total Alkalinity | 154 | 193 | 205 | 71 |
| Calcium | 58 | 75 | 112 | 24 |
| Chloride | 155 | 89 | 311 | 7.6 |
| Fluoride | 0.25 | 0.19 | 0.16 | 0.13 |
| Total Hardness | 204 | 224 | 336 | 88 |
| pH | 8.48 | 8.37 | 8.08 | 7.88 |
| Silica, Dissolved* | 27.8 | 32.1 | 38.5 | 16.9 |
| Sulfate | 71 | 43 | 105 | 3.2 |
| Turbidity | 9.8 | 13 | 65 | 26 |
| Dissolved Solids | 548 | 451 | 937 | 129 |
| Suspended Solids | 10 | 3 | 115 | 12 |
| Nitrate | 0.09 | 0.21 | 0.39 | 0.13 |
| Nitrite | < 0.02 | < 0.02 | < 0.02 | < 0.02 |
| Ortho Phosphorous | < 0.03 | 0.27 | 0.24 | 0.15 |
| Atrazine | < 5 | < 5 | < 5 | < 5 |
| Total Arsenic | 9.56 | 8.38 | 9.01 | 3.10 |
| Dissolved Arsenic | 8.78 | 8.62 | 9.27 | 2.82 |
| Barium | 0.115 | 0.131 | 0.147 | 0.0552 |
| Cadmium | < 0.002 | < 0.002 | < 0.002 | < 0.002 |
| 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

* Calculation based on conversion from Silicon to Silica

Approved by: M. B. Juarez Title: Laboratory Manager Date: 1/8/18



City of
Corpus
Christi

Monthly Mineral Analyses
Date of Sample December 11, 2017

| Parameter | Stevens Treated (Plant #1) | Stevens Treated (Plant #2) | Distribution System Equivalent |
|--------------------|-------------------------------|-------------------------------|-----------------------------------|
| Aluminum | 0.149 | 0.122 | 0.113 |
| Sodium | 99.8 | 98.5 | 121 |
| Iron | < 0.2 | < 0.2 | < 0.2 |
| Manganese | < 0.005 | < 0.005 | < 0.005 |
| Copper | < 0.002 | < 0.002 | < 0.002 |
| Lead | < 0.002 | < 0.002 | < 0.002 |
| Bromide | 0.64 | 0.62 | 0.71 |
| Conductivity | 1080 | 1130 | 1249 |
| Total Alkalinity | 176 | 156 | 200 |
| Calcium | 83 | 88 | 93 |
| Chloride | 154 | 162 | 190 |
| Fluoride | 0.32 | 0.35 | 0.38 |
| Total Hardness | 248 | 252 | 288 |
| pH | 8.12 | 8.07 | 8.12 |
| Silica, Dissolved* | 18.0 | 18.8 | 18.6 |
| Sulfate | 99 | 105 | 115 |
| Turbidity | 0.25 | 0.25 | 0.15 |
| Dissolved Solids | 571 | 618 | 695 |
| Suspended Solids | < 2 | < 2 | < 2 |
| Nitrate | 1.05 | 1.13 | 1.32 |
| 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.

* Calculation based on conversion from Silicon to Silica

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