



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

PO Box 9277
Corpus Christi
Texas 78469-9277
Phone 361-857-1881
Fax 361-857-1889

Water Utilities Laboratory
13101 Leopard Street
Corpus Christi
Texas 78410
Phone 361-826-1200
Fax 361-242-9131
www.cctexas.com

Monthly Mineral Analyses
Date of Sample: July 11, 2017

| Parameter | Choke Canyon | Lake CC | Stevens Intake | Lake Texana |
|--------------------|--------------|----------|----------------|-------------|
| Aluminum | 0.06 | 0.56 | 0.50 | 4.51 |
| Sodium | 90.8 | 60.4 | 104 | 7.02 |
| Iron | < 0.05 | 0.336 | 0.311 | 4.18 |
| Manganese | 0.0096 | 0.0327 | 0.0361 | 0.0354 |
| Copper | < 0.002 | < 0.002 | < 0.002 | 0.0034 |
| Lead | < 0.002 | < 0.002 | < 0.002 | 0.0032 |
| Bromide | 0.78 | 0.35 | 0.73 | 0.03 |
| Conductivity | 826 | 715 | 1027 | 163 |
| Total Alkalinity | 149 | 212 | 215 | 63 |
| Calcium | 54 | 83 | 96 | 22 |
| Chloride | 137 | 88 | 173 | 11 |
| Fluoride | 0.35 | 0.23 | 0.27 | 0.14 |
| Total Hardness | 184 | 228 | 280 | 68 |
| pH | 8.51 | 8.57 | 8.21 | 7.95 |
| Silica, Dissolved* | 25.7 | 32.1 | 36.4 | 38.5 |
| Sulfate | 60 | 42 | 65 | 5.1 |
| Turbidity | 4.6 | 16 | 13 | 120 |
| Dissolved Solids | 505 | 477 | 677 | 250 |
| Suspended Solids | 7 | 14 | 8 | 3 |
| Nitrate | 0.14 | 0.17 | 0.22 | 0.89 |
| Nitrite | < 0.02 | 0.03 | < 0.02 | < 0.02 |
| Ortho Phosphorous | < 0.03 | 0.13 | 0.14 | 0.15 |
| Atrazine | < 0.6 | < 0.6 | < 0.6 | < 0.6 |
| Total Arsenic | 8.45 | 7.55 | 8.58 | 2.97 |
| Dissolved Arsenic | 9.02 | 8.31 | 9.13 | 2.10 |
| Barium | 0.106 | 0.150 | 0.152 | 0.109 |
| 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. J. Juarez Title: Laboratory Manager Date: 7/26/17



City of
Corpus
Christi

**WATER
DEPARTMENT**

2726 Holly Road
Corpus Christi
Texas 78415

PO Box 9277
Corpus Christi
Texas 78469-9277
Phone 361-857-1881
Fax 361-857-1889

Water Utilities Laboratory
13101 Leopard Street
Corpus Christi
Texas 78410
Phone 361-826-1200
Fax 361-242-9131
www.cctexas.com

Monthly Mineral Analyses
Date of Sample July 11, 2017

| Parameter | Stevens Treated (Plant #1) | Stevens Treated (Plant #2) | Distribution System Equivalent |
|--------------------|-------------------------------|-------------------------------|-----------------------------------|
| Aluminum | 0.22 | 0.17 | 0.19 |
| Sodium | 78.3 | 79.3 | 81.8 |
| Iron | < 0.05 | < 0.05 | < 0.05 |
| Manganese | < 0.005 | < 0.005 | < 0.005 |
| Copper | < 0.002 | < 0.002 | < 0.002 |
| Lead | < 0.002 | < 0.002 | < 0.002 |
| Bromide | 0.26 | 0.29 | 0.28 |
| Conductivity | 746 | 753 | 750 |
| Total Alkalinity | 134 | 130 | 139 |
| Calcium | 61 | 61 | 62 |
| Chloride | 110 | 112 | 119 |
| Fluoride | 0.53 | 0.76 | 0.69 |
| Total Hardness | 176 | 180 | 184 |
| pH | 8.03 | 8.07 | 7.96 |
| Silica, Dissolved* | 19.7 | 20.3 | 19.7 |
| Sulfate | 71 | 74 | 74 |
| Turbidity | 0.1 | 0.1 | 0.2 |
| Dissolved Solids | 464 | 468 | 496 |
| Suspended Solids | < 2 | < 2 | < 2 |
| Nitrate | 0.52 | 0.53 | 0.54 |
| 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



Approved by: M. J. Jones Title: Laboratory Manager Date: 7/26/17