



Monthly Mineral Analyses

Date of Sample: May 15, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.159	0.882	0.735	0.824
Sodium	111	62.2	85.4	9.46
Iron	0.096	0.524	0.421	0.534
Manganese	0.008	0.016	0.016	0.027
Copper	< 0.002	< 0.002	0.002	0.003
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	1.03	0.39	0.13	0.07
Conductivity	1050	773	1041	225
Total Alkalinity	166	202	206	92
Calcium	82	77	101	30
Chloride	164	79	146	15.8
Fluoride	0.33	0.28	0.31	0.21
Total Hardness	196	220	248	88
pH	8.65	8.64	8.35	8.23
Silica, Dissolved*	27.8	34.0	35.5	13.5
Sulfate	71	38	56	4.8
Turbidity	8.0	20	45	35
Dissolved Solids	609	473	603	180
Suspended Solids	8	6	< 3	10
Nitrate	0.17	0.15	0.32	0.13
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.30	0.29	0.12
Atrazine	0.129	0.114	0.134	0.124
Total Arsenic	8.91	9.14	10	2.31
Dissolved Arsenic	9.11	9.48	9.76	2.17
Barium	0.12	0.14	0.14	0.10
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:  Title: Quality Assurance Officer Date: 6-4-2018

Approved by:  Title: Laboratory Manager Date: 6/4/18

UTILITIES

Maintenance
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&
Treatment
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City of
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Monthly Mineral Analyses

Date of Sample May 15, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.218	0.15	0.177
Sodium	88.3	83.7	89.3
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	0.36	0.38	0.41
Conductivity	895	897	894
Total Alkalinity	161	158	151
Calcium	70	72	70
Chloride	115	116	122
Fluoride	0.68	0.65	0.32
Total Hardness	192	204	192
pH	8.30	8.28	8.37
Silica, Dissolved*	21.4	21.2	19.5
Sulfate	79	81	80
Turbidity	0.10	0.15	0.10
Dissolved Solids	522	525	509
Suspended Solids	< 2	< 2	< 2
Nitrate	0.25	0.21	0.23
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.

Reviewed by: *John D. Die* Title: Quality Assurance Officer Date: 6-4-2018

Approved by: *Mrs. Juarez* Title: Laboratory Manager Date: 6/4/18