




Monthly Mineral Analyses
Date of Sample: September 11, 2018

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.189	0.492	0.443	0.938
Sodium	138	76.4	99.3	14.6
Iron	0.122	0.294	0.282	0.677
Manganese	0.020	0.021	0.024	0.024
Copper	< 0.002	< 0.002	< 0.002	< 0.002
Lead	< 0.002	< 0.002	< 0.002	< 0.002
Bromide	0.89	0.37	0.54	0.06
Conductivity	1051	815	1080	238
Total Alkalinity	155	209	211	94
Calcium	80	82	96	32
Chloride	167	85	157	18
Fluoride	0.32	0.26	0.26	0.19
Total Hardness	200	236	280	104
pH	8.67	8.85	8.50	8.35
Silica, Dissolved*	30.4	30.8	36.0	15.4
Sulfate	71	40	58	5.7
Turbidity	8.3	19	10	29
Dissolved Solids	611	494	637	174
Suspended Solids	8	8	4	5
Nitrate	0.07	0.12	0.27	0.14
Nitrite	< 0.02	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.03	0.29	0.28	0.13
Atrazine	< 0.05	< 0.05	< 0.05	0.075
Total Arsenic	11	12.1	11.8	3.69
Dissolved Arsenic	11	10.9	10.9	3.59
Barium	0.14	0.16	0.15	0.09
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: 10-02-18

Approved by:  Title: Laboratory Manager Date: 10/2/2018

UTILITIES

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Monthly Mineral Analyses
Date of Sample September 11, 2018

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.197	0.157	0.202
Sodium	97.3	99.6	95.3
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	0.27	0.29	0.29
Conductivity	831	837	840
Total Alkalinity	149	140	149
Calcium	66	66	59
Chloride	102	104	99
Fluoride	0.75	0.75	0.71
Total Hardness	168	180	212
pH	8.30	8.29	8.35
Silica, Dissolved*	21.1	21.6	21.8
Sulfate	77	86	81
Turbidity	0.10	0.10	0.10
Dissolved Solids	480	480	486
Suspended Solids	< 2	< 2	< 2
Nitrate	0.21	0.22	0.26
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: [Signature] Title: Quality Assurance Officer Date: 10-02-18
 Approved by: [Signature] Title: Laboratory Manager Date: 10/2/2018