



Monthly Mineral Analyses
Date of Sample: June 11, 2019

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline
Aluminum	0.038	0.482	0.669	4.25
Sodium	63.8	24.2	52.6	10.2
Iron	0.03	0.28	0.39	3.01
Manganese	0.010	0.010	0.024	0.052
Copper	< 0.002	0.004	< 0.002	0.004
Lead	< 0.002	< 0.002	< 0.002	0.002
Bromide	0.46	0.16	0.38	0.06
Conductivity	769	546	801	195
Total Alkalinity	122	134	188	67
Calcium	64	95	75	24
Chloride	86	32	98	14
Fluoride	< 0.2	< 0.2	< 0.2	< 0.2
Total Hardness	192	200	264	80
pH	8.57	8.67	8.12	8.00
Silica, Dissolved*	19.5	13.0	12.8	53.9
Sulfate	53	25	43	5.7
Turbidity	5.7	12	13	110
Dissolved Solids	426	315	462	232
Suspended Solids	5	6	8	10
Nitrate	< 0.02	< 0.02	0.23	0.92
Nitrite	< 0.02	< 0.02	< 0.02	0.09
Ortho Phosphorous	< 0.2	< 0.2	< 0.2	0.23
Atrazine	< 0.05	< 0.05	< 0.05	0.139
Total Arsenic	6.33	3.49	4.15	2.77
Dissolved Arsenic	5.03	< 2.0	< 2.0	< 2.0
Barium	0.086	0.125	0.129	0.073
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: Technical Manager Date: 7-12-19

Approved by:  Title: Laboratory Manager Date: 7/12/19

UTILITIES

Maintenance
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&

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Date of Sample June 11, 2019

Parameter	Stevens Treated (Plant #1)	Stevens Treated (Plant #2)	Distribution System Equivalent
Aluminum	0.405	0.214	0.267
Sodium	64	58.4	58.8
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	0.21	0.15	0.19
Conductivity	638	659	672
Total Alkalinity	121	105	117
Calcium	51	48	48
Chloride	69	70	79
Fluoride	0.65	0.53	0.41
Total Hardness	168	144	144
pH	8.12	8.10	8.13
Silica, Dissolved*	14.8	14.8	15.9
Sulfate	61	65	66
Turbidity	0.03	0.03	0.07
Dissolved Solids	356	349	353
Suspended Solids	< 2	< 2	< 2
Nitrate	0.56	0.58	0.64
Nitrite	< 0.02	< 0.02	< 0.02
Ortho Phosphorous	< 0.2	< 0.2	< 0.2

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

Reviewed by: [Signature] Title: Technical Manager Date: 7-12-19

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