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Monthly Mineral Analyses

Date of Sample: September 20, 2022

Parameter	Choke Canyon	Lake CC	Stevens Intake	Mary Rhodes Pipeline	Colorado River	Stevens Treated	Distribution System Equivalent
Aluminum	<0.10	<0.10	<0.10	<0.10	0.64	0.16	0.18
Sodium	86	75	90	30	52	81	82
Iron	<0.10	<0.10	<0.10	<0.10	0.58	<0.10	<0.10
Manganese	<0.005	<0.005	<0.005	<0.005	0.147	<0.005	<0.005
Copper	0.001	0.003	0.003	0.003	<0.003	0.002	0.001
Lead	<0.002	<0.002	<0.002	<0.002	<0.003	<0.002	<0.002
Bromide	0.72	0.59	0.70	0.20	0.83	0.36	0.38
Conductivity	765	792	920	442	784	810	806
Total Alkalinity	172	214	216	173	234	186	187
Calcium	61	77	88	61	69	77	80
Chloride	117	108	140	42	69	108	106
Fluoride	0.15	0.15	0.14	0.26	0.39	0.33	0.33
Total Hardness	168	256	244	160	258	208	204
pH	8.36	8.50	8.17	8.12	8.31	8.08	8.08
Silica, Dissolved	25.0	26.9	*	14.8	16.4	19.6	19.7
Sulfate	57	60	69	27	43	85	85
Turbidity	3.1	9.1	19.5	19.8	21.2	0.04	0.05
Dissolved Solids	492	500	568	272	458	472	504
Suspended Solids	7	12	18	13	7	<2	<2
Nitrate	<0.025	<0.025	0.16	0.34	<0.20	0.26	0.28
Nitrite	<0.025	<0.025	<0.025	<0.025	<0.09	<0.025	<0.025
Ortho-Phosphate	<0.05	<0.05	0.21	0.31	0.27	<0.05	<0.05
Atrazine	<2.5	<2.5	<2.5	<2.5	1.9		
Total Arsenic	8.0	10.7	11.1	4.6	37.6		
Dissolved Arsenic	8.2	10.1	10.3	4.4	<6.4		
Barium	0.09	0.16	0.16	0.12	0.16		
Cadmium	<0.001	<0.001	<0.001	<0.001	0.0006		
Mercury	<0.0002	<0.0002	<0.0002	<0.0002	0.00007		

Results expressed in mg/L, except as follows: Conductivity-umhos/cm, pH- SU, Turbidity - NTU, Total Hardness/Total Alkalinity - mg/L as CaCO3, and Atrazine, Total Arsenic, Dissolved Arsenic - µg/L.

*Data for dissolved silica for Nueces Raw is not available this month.

Reviewed by: *M. J. Juarez* Title: Laboratory Manager Date: 10/18/2022