

Physical Tests	Units	City	SEKID	Guideline	What does this mean?
Colour, True	CU	<5.0	16	AO=15	You will not see any yellow color in City water relative to SEKID
Conductivity	uS/cm	279	116		Higher mineral content in City water
Hardness (as CaCO ₃)	mg/L	133	47		SEKID water is considered soft, City is considered medium to hard
pH	pH	8.02	7.27	7.5-10	City water is less acidic than SEKID water
Total Dissolved Solids	mg/L	179	58	AO=500	Higher mineral content in City water
Turbidity	NTU	0.32	2.26	MAC=1	Lower sediment in City water and meets health guidelines
Anions and Nutrients					
Alkalinity, Total (as CaCO ₃)	mg/L	107	39		City water is more alkaline than SEKID water
Ammonia, Total (as N)	mg/L	0.0062	0.011		Lower natural ammonia levels in City water
Chloride (Cl)	mg/L	6.91	7.37	AO=250	No significant differences
Fluoride (F)	mg/L	0.179	0.230	MAC=1.5	No significant differences
Nitrate (as N)	mg/L	0.0952	0.13	MAC=10	No significant differences
Nitrite (as N)	mg/L	<0.0010	<0.0010	MAC=1	No significant differences
Sulfate (SO ₄)	mg/L	29.7	30.2	AO=500	No significant differences
Sulphide as S	mg/L	0.022	0.041		No significant differences
Organic Carbon					
Total Organic Carbon	mg/L	4.09	27.30		No clothes or fixture staining with City water relative to SEKID
Bacteriological Tests					
<i>E. coli</i>	MPN/100mL	<1	<1	MAC=<1	No significant differences
Coliform Bacteria - Total	MPN/100mL	<1	<1	MAC=<1	No significant differences
Total Metals & Minerals					
Aluminum (Al)-Total	mg/L	0.014	0.077	AO=0.1	Lower natural levels of Aluminum in City water
Antimony (Sb)-Total	mg/L	<0.00050	<0.00050	MAC=0.006	No significant differences
Arsenic (As)-Total	mg/L	0.00053	<0.0005	MAC=0.01	No significant differences
Barium (Ba)-Total	mg/L	0.022	0.007	MAC=1	No significant differences
Boron (B)-Total	mg/L	<0.10	<0.10	MAC=5	No significant differences
Cadmium (Cd)-Total	mg/L	<0.00020	<0.00020	MAC=0.005	No significant differences
Calcium (Ca)-Total	mg/L	36.7	12.2		Higher mineral content in City water
Chromium (Cr)-Total	mg/L	<0.0005	<0.0005	MAC=0.05	No significant differences
Copper (Cu)-Total	mg/L	0.0011	0.0052	AO=15	No fixture staining and less metallic taste in City water
Iron (Fe)-Total	mg/L	<0.030	0.53	AO=0.3	No fixture staining and less metallic taste in City water
Lead (Pb)-Total	mg/L	<0.00050	0.0002	MAC=0.01	No significant differences
Magnesium (Mg)-Total	mg/L	9.92	0.03		Higher mineral content in City water
Manganese (Mn)-Total	mg/L	<0.0020	0.0345	AO=0.05	No fixture staining and less metallic taste in City water
Mercury (Hg)-Total	mg/L	<0.00020	<0.00020	MAC=0.001	No significant differences
Potassium (K)-Total	mg/L	2.35	0.83		Higher mineral content in City water
Selenium (Se)-Total	mg/L	<0.0005	<0.0005	MAC=0.05	No significant differences
Sodium (Na)-Total	mg/L	10.7	4.6	AO=200	Higher mineral content in City water
Uranium (U)-Total	mg/L	0.00252	0.00049	MAC=0.02	Lower natural levels of Uranium in SEKID water
Zinc (Zn)-Total	mg/L	<0.004	<0.004	AO=5	No significant differences

MAC= Maximum Acceptable Concentration related to Health Concerns
AO = Aesthetic Objective related to Taste, Odor, Appearance