

Water Quality Tests Results (Tsuchishimizu)

No.	Items	Tsuchishimizu						Unit
		21-Apr-2022	17-May-2022	28-Jun-2022	12-Jul-2022	31-Aug-2022	27-Sep-2022	
	Water temperature	13.6	15.8	21.6	24.5	24.7	22.1	(°C)
1	Common Bacteria	< 1	< 1	1	< 1	< 1	< 1	(number/mL)
2	E.coli	N.D. ※1	N.D. ※1	N.D. ※1	N.D. ※1	N.D. ※1	N.D. ※1	(MPN/100mL)
3	Cadmium							(mg/L)
4	Mercury							(mg/L)
5	Selenium							(mg/L)
6	Lead			< 0.001			< 0.001	(mg/L)
7	Arsenic							(mg/L)
8	Chromium (VI)	< 0.002			< 0.002			(mg/L)
9	Nitrite nitrogen	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	< 0.004	(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001			< 0.001	(mg/L)
11	Nitrate and Nitrite	0.3	0.2	0.3	0.3	0.3	0.3	(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	(mg/L)
13	Boron							(mg/L)
14	Carbon tetrachloride			< 0.0002			< 0.0002	(mg/L)
15	1, 4-dioxane							(mg/L)
16	cis-1,2-Dichloroethylene and trans-1,2- Dichloroethylene			< 0.004			< 0.004	(mg/L)
17	Dichloromethane			< 0.002			< 0.002	(mg/L)
18	Tetrachloroethylene			< 0.001			< 0.001	(mg/L)
19	Trichloroethylene			< 0.001			< 0.001	(mg/L)
20	Benzene			< 0.001			< 0.001	(mg/L)
21	Chlorate	< 0.06	< 0.06	0.06	0.07	0.07	0.06	(mg/L)
22	Chloroacetic acid			< 0.002			< 0.002	(mg/L)
23	Chloroform			0.009			0.007	(mg/L)
24	Dichloroacetic acid			0.005			< 0.003	(mg/L)
25	Dibromochloromethane			< 0.001			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			0.012			0.013	(mg/L)
28	Trichloroacetic acid			0.006			< 0.003	(mg/L)
29	Bromodichloromethane			0.003			0.004	(mg/L)
30	Bromoform			< 0.001			< 0.001	(mg/L)
31	Formaldehyde			< 0.008			< 0.008	(mg/L)
32	Zinc			< 0.01			< 0.01	(mg/L)
33	Aluminium	< 0.01	< 0.01	0.02	0.02	0.03	0.02	(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	(mg/L)
35	Copper	0.02	0.02	0.03	0.03	0.03	0.02	(mg/L)
36	Sodium	3.9	4.2	5.0	5.5	6.7	6.5	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	4.4	3.5	4.3	6.2	7.0	6.4	(mg/L)
39	Calcium, Magnesium (Hardness)	19	19	25	23	26	30	(mg/L)
40	Total residue	44			52			(mg/L)
41	Anionic surface active agent							(mg/L)
42	Geosmin			< 0.000001	< 0.000001	< 0.000001	< 0.000001	(mg/L)
43	2-Methylisobolneol			< 0.000001	< 0.000001	< 0.000001	< 0.000001	(mg/L)
44	Nonionic surface active agent							(mg/L)
45	Phenols							(mg/L)
46	Organic substances (Total Organic Carbon)	< 0.3	< 0.3	0.5	0.5	0.3	0.4	(mg/L)
47	pH Value	7.5	7.6	7.5	7.4	7.4	7.5	
48	Taste	None	None	None	None	None	None	
49	Odor	None	None	None	None	None	None	
50	Color	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	(degree)
51	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	< 0.1	(degree)
	Free residual chlorine ※2	0.38	0.42	0.44	0.28	0.44	0.40	(mg/L)

※1 N.D. = Not detected

※2 Necessary sanitation measures: Free residual chlorine ≥ 0.1 mg/L

Water Quality Tests Results (Tsuchishimizu)

No.	Items	Tsuchishimizu						Unit
		4-Oct-2022	30-Nov-2022	14-Dec-2022				
	Water temperature	21.8	14.1	11.1				(°C)
1	Common Bacteria	< 1	< 1	< 1				(number/mL)
2	E.coli	N.D. ※1	N.D. ※1	N.D. ※1				(MPN/100mL)
3	Cadmium							(mg/L)
4	Mercury							(mg/L)
5	Selenium							(mg/L)
6	Lead			< 0.001				(mg/L)
7	Arsenic							(mg/L)
8	Chromium (VI)	< 0.002						(mg/L)
9	Nitrite nitrogen	< 0.004	< 0.004	< 0.004				(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001				(mg/L)
11	Nitrate and Nitrite	0.3	0.4	0.5				(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08				(mg/L)
13	Boron							(mg/L)
14	Carbon tetrachloride			< 0.0002				(mg/L)
15	1, 4-dioxane							(mg/L)
16	cis-1,2-Dichloroethylene and trans-1,2- Dichloroethylene			< 0.004				(mg/L)
17	Dichloromethane			< 0.002				(mg/L)
18	Tetrachloroethylene			< 0.001				(mg/L)
19	Trichloroethylene			< 0.001				(mg/L)
20	Benzene			< 0.001				(mg/L)
21	Chlorate	0.08	0.07	< 0.06				(mg/L)
22	Chloroacetic acid			< 0.002				(mg/L)
23	Chloroform			0.005				(mg/L)
24	Dichloroacetic acid			< 0.003				(mg/L)
25	Dibromochloromethane			0.001				(mg/L)
26	Bromate			< 0.001				(mg/L)
27	Total trihalomethanes			0.010				(mg/L)
28	Trichloroacetic acid			< 0.003				(mg/L)
29	Bromodichloromethane			0.003				(mg/L)
30	Bromoform			< 0.001				(mg/L)
31	Formaldehyde			< 0.008				(mg/L)
32	Zinc			< 0.01				(mg/L)
33	Aluminium	0.01	< 0.01	< 0.01				(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03				(mg/L)
35	Copper	0.02	0.02	0.02				(mg/L)
36	Sodium	6.1	5.6	5.1				(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001				(mg/L)
38	Chloride ion	5.3	5.0	4.8				(mg/L)
39	Calcium, Magnesium (Hardness)	31	33	28				(mg/L)
40	Total residue	44						(mg/L)
41	Anionic surface active agent							(mg/L)
42	Geosmin	< 0.000001	< 0.000001					(mg/L)
43	2-Methylisobolneol	< 0.000001	< 0.000001					(mg/L)
44	Nonionic surface active agent							(mg/L)
45	Phenols							(mg/L)
46	Organic substances (Total Organic Carbon)	0.4	0.5	0.4				(mg/L)
47	pH Value	7.6	7.5	7.5				
48	Taste	None	None	None				
49	Odor	None	None	None				
50	Color	< 0.5	< 0.5	< 0.5				(degree)
51	Turbidity	< 0.1	< 0.1	< 0.1				(degree)
	Free residual chlorine ※2	0.46	0.36	0.46				(mg/L)

※1 N.D. = Not detected

※2 Necessary sanitation measures: Free residual chlorine ≥ 0.1 mg/L