

Water Quality Tests Results (Katata-machi)

No.	Items	Katata-machi						Unit
		24/4/2019	22/5/2019	25/6/2019	3/7/2019	8/8/2019	12/9/2019	
	Water temperature	11.5	15.3	16.7	17.5	19.9	21.0	(°C)
1	Common Bacteria	0	0	0	0	0	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)	< 0.005			< 0.005			(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	0.4	0.3	0.4	0.3	0.3	0.4	(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	< 0.06	0.09	0.06	(mg/L)
22	Chloroacetic acid			< 0.002			< 0.002	(mg/L)
23	Chloroform			0.005			0.008	(mg/L)
24	Dichloroacetic acid			< 0.003			0.003	(mg/L)
25	Dibromochloromethane			0.002			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			0.011			0.015	(mg/L)
28	Trichloroacetic acid			< 0.003			0.005	(mg/L)
29	Bromodichloromethane			0.004			0.005	(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	0.02	0.03	(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	< 0.03	(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	(mg/L)
36	Sodium	6.3	6.2	6.8	6.3	7.1	7.0	(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	< 0.001	(mg/L)
38	Chloride ion	7.4	5.8	7.3	6.6	6.7	6.9	(mg/L)
39	Calcium, Magnesium (Hardness)	20	20	19	20	23	22	(mg/L)
40	Total residue	45			62			(mg/L)
41	Anionic surface active agent							(mg/L)
42	Geosmin			0.000002	0.000002	0.000002	0.000002	(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	0.4	0.4	0.4	0.5	(mg/L)
47	pH Value	7.5	7.5	7.5	7.5	7.5	7.6	
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	0.28	0.40	0.48	0.42	0.54	0.46	(mg/L)

※1 N.D. = Not detected

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

Water Quality Tests Results (Katata-machi)

No.	Items	Katada-machi						Unit
		31/10/2019	27/11/2019	11/12/2019	15/1/2020			
	Water temperature	15.6	12.4	9.8	8.6			(°C)
1	Common Bacteria	0	0	0	0			(number/mL)
2	E.coli	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				(mg/L)
7	Arsenic							(mg/L)
8	Chromium (VI)	< 0.005			< 0.005			(mg/L)
9	Nitrite nitrogen	< 0.004	< 0.004	< 0.004	< 0.004			(mg/L)
10	Cyanide ion and Cyanogens chloride			< 0.001				(mg/L)
11	Nitrate and Nitrite	0.5	0.5	0.5	0.5			(mg/L)
12	Fluoride	< 0.08	< 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	< 0.06	< 0.06	< 0.06	< 0.06			(mg/L)
22	Chloroacetic acid			< 0.002				(mg/L)
23	Chloroform			0.001				(mg/L)
24	Dichloroacetic acid			< 0.003				(mg/L)
25	Dibromochloromethane			0.002				(mg/L)
26	Bromate			< 0.001				(mg/L)
27	Total trihalomethanes			0.005				(mg/L)
28	Trichloroacetic acid			< 0.003				(mg/L)
29	Bromodichloromethane			0.002				(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	< 0.01			(mg/L)
34	Iron	< 0.03	< 0.03	< 0.03	< 0.03			(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01	< 0.01			(mg/L)
36	Sodium	5.0	6.5	6.1	6.7			(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001			(mg/L)
38	Chloride ion	4.6	7.1	7.4	8.7			(mg/L)
39	Calcium, Magnesium (Hardness)	21	21	21	21			(mg/L)
40	Total residue	51			51			(mg/L)
41	Anionic surface active agent							(mg/L)
42	Geosmin	< 0.000001	< 0.000001					(mg/L)
43	2-Methylisoborneol	< 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	0.3	< 0.3	< 0.3			(mg/L)
47	pH Value	7.5	7.5	7.4	7.5			
48	Taste	None	None	None	None			
49	Odor	None	None	None	None			
50	Color	< 0.5	< 0.5	< 0.5	< 0.5			(degree)
51	Turbidity	< 0.1	< 0.1	< 0.1	< 0.1			(degree)
	Free residual chlorine ※2	0.46	0.46	0.40	0.44			(mg/L)

※1 N.D. = Not detected

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