

Water Quality Tests Results (Sainen)

No.	Items	Sainen					Unit
		30-Apr-2024	16-May-2024	26-Jun-2024	10-Jul-2024		
	Water temperature	13.2	14.1	19.8	19.9		(°C)
1	Common Bacteria	< 1	< 1	< 1	< 1		(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)	< 0.002			< 0.002		(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	0.2	0.2	0.2	0.2		(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			0.014			(mg/L)
24	Dichloroacetic acid			0.003			(mg/L)
25	Dibromochloromethane			< 0.001			(mg/L)
26	Bromate			< 0.001			(mg/L)
27	Total trihalomethanes			0.019			(mg/L)
28	Trichloroacetic acid			0.009			(mg/L)
29	Bromodichloromethane			0.004			(mg/L)
30	Bromoform			< 0.001			(mg/L)
31	Formaldehyde			< 0.008			(mg/L)
32	Zinc			< 0.01			(mg/L)
33	Aluminium	0.03	0.03	0.04	0.05		(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	4.4	3.9	5.2	4.7		(mg/L)
37	Manganese	< 0.001	< 0.001	< 0.001	< 0.001		(mg/L)
38	Chloride ion	4.3	3.6	5.5	4.7		(mg/L)
39	Calcium, Magnesium (Hardness)	21	25	26	24		(mg/L)
40	Total residue	41			28		(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)	< 0.3	< 0.3	0.3	0.5		(mg/L)
47	pH Value	7.5	7.4	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	0.44	0.42	0.46	0.44		(mg/L)

※1 N.D. = Not detected

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