

Water Quality Tests Results

(Source Water of Sue Water Purification Plant)

No.	Items	Source Water of Sue Water Purification Plant						Unit
		28-Apr-2022	26-May-2022	15-Jun-2022	20-Jul-2022	24-Aug-2022	7-Sep-2022	
	Water temperature	8.6	12.2	14.1	18.7	20.9	22.0	(°C)
1	Common Bacteria	15	6	36	500	250	120	(number/mL)
2	E.coli	35	7.4	73	220	140	71	(MPN/100mL)
3	Cadmium		< 0.0003			< 0.0003		(mg/L)
4	Mercury		< 0.00005			< 0.00005		(mg/L)
5	Selenium	< 0.001			< 0.001			(mg/L)
6	Lead			< 0.001			0.003	(mg/L)
7	Arsenic	< 0.001			0.001			(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	0.4	0.3	(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	< 0.08	(mg/L)
13	Boron			< 0.1			< 0.1	(mg/L)
14	Carbon tetrachloride			< 0.0002			< 0.0002	(mg/L)
15	1, 4-dioxane	< 0.005			< 0.005			(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	< 0.06	< 0.06	(mg/L)
22	Chloroacetic acid							(mg/L)
23	Chloroform			< 0.001			< 0.001	(mg/L)
24	Dichloroacetic acid							(mg/L)
25	Dibromochloromethane			< 0.001			< 0.001	(mg/L)
26	Bromate			< 0.001			< 0.001	(mg/L)
27	Total trihalomethanes			< 0.001			< 0.001	(mg/L)
28	Trichloroacetic acid							(mg/L)
29	Bromodichloromethane			< 0.001			< 0.001	(mg/L)
30	Bromoform			< 0.001			< 0.001	(mg/L)
31	Formaldehyde			0				(mg/L)
32	Zinc			< 0.01			< 0.01	(mg/L)
33	Aluminium	0.28	0.04	0.04	0.42	3.3	0.37	(mg/L)
34	Iron	0.13	0.03	0.04	0.21	1.6	0.08	(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01	0.02	(mg/L)
36	Sodium	3.7	3.5	3.5	3.7	3.8	4.4	(mg/L)
37	Manganese	0.007	0.010	0.010	0.022	0.078	0.031	(mg/L)
38	Chloride ion	3.7	2.4	2.8	2.5	2.5	2.7	(mg/L)
39	Calcium, Magnesium (Hardness)	17	23	22	22	20	27	(mg/L)
40	Total residue	44			51			(mg/L)
41	Anionic surface active agent	< 0.02			< 0.02			(mg/L)
42	Geosmin			< 0.000001	< 0.000001	< 0.000001	< 0.000001	(mg/L)
43	2-Methylisoborneol			< 0.000001	< 0.000001	< 0.000001	< 0.000001	(mg/L)
44	Nonionic surface active agent	< 0.005			< 0.005			(mg/L)
45	Phenols		< 0.0005			< 0.0005		(mg/L)
46	Organic substances (Total Organic Carbon)	0.7	0.5	0.8	1.6	1.4	1.0	(mg/L)
47	pH Value	7.4	7.5	7.5	7.4	7.4	7.4	
48	Taste							
49	Odor	None	None	None	None	None	None	
50	Color	3	3	4	9	23	10	(degree)
51	Turbidity	8.5	1.2	1.4	14	100	15	(degree)
	Free residual chlorine							(mg/L)

※1 N.D. = Not detected

Water Quality Tests Results

(Source Water of Sue Water Purification Plant)

No.	Items	Source Water of Sue Water Purification Plant						Unit
		25-Oct-2022	15-Nov-2022	8-Dec-2022				
	Water temperature	16.6	12.5	12.1				(°C)
1	Common Bacteria	25	64	11				(number/mL)
2	E.coli	40	200	11				(MPN/100mL)
3	Cadmium		< 0.0003					(mg/L)
4	Mercury		< 0.00005					(mg/L)
5	Selenium	< 0.001						(mg/L)
6	Lead			0.002				(mg/L)
7	Arsenic	0.002						(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	0.4	0.6	0.5				(mg/L)
12	Fluoride	< 0.08	< 0.08	< 0.08				(mg/L)
13	Boron			< 0.1				(mg/L)
14	Carbon tetrachloride			< 0.0002				(mg/L)
15	1, 4-dioxane	< 0.005						(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				(mg/L)
22	Chloroacetic acid							(mg/L)
23	Chloroform			< 0.001				(mg/L)
24	Dichloroacetic acid							(mg/L)
25	Dibromochloromethane			< 0.001				(mg/L)
26	Bromate			< 0.001				(mg/L)
27	Total trihalomethanes			< 0.001				(mg/L)
28	Trichloroacetic acid							(mg/L)
29	Bromodichloromethane			< 0.001				(mg/L)
30	Bromoform			< 0.001				(mg/L)
31	Formaldehyde							(mg/L)
32	Zinc			< 0.01				(mg/L)
33	Aluminium	0.82	0.32	0.16				(mg/L)
34	Iron	0.42	0.24	0.12				(mg/L)
35	Copper	< 0.01	< 0.01	< 0.01				(mg/L)
36	Sodium	4.4	3.7	4.2				(mg/L)
37	Manganese	0.054	0.045	0.048				(mg/L)
38	Chloride ion	3.0	3.8	3.3				(mg/L)
39	Calcium, Magnesium (Hardness)	29	20	26				(mg/L)
40	Total residue	31						(mg/L)
41	Anionic surface active agent	< 0.02						(mg/L)
42	Geosmin	< 0.000001	< 0.000001					(mg/L)
43	2-Methylisobolneol	< 0.000001	< 0.000001					(mg/L)
44	Nonionic surface active agent	< 0.005						(mg/L)
45	Phenols		< 0.0005					(mg/L)
46	Organic substances (Total Organic Carbon)	0.7	0.9	0.8				(mg/L)
47	pH Value	7.4	7.6	7.4				
48	Taste							
49	Odor	None	None	None				
50	Color	10	5	4				(degree)
51	Turbidity	14	7.6	6.6				(degree)
	Free residual chlorine							(mg/L)

※1 N.D. = Not detected