Water Quality Inspection Report_ April 2022 to March 2023

Sampling location: **Miho Fureai Park**　　Supply route: Yatsu Filtration Plant→ Ohirayama Reservoir

	Items for Inspection	Units	Sampling Date / Criterion Value	6-Apr-2022	18-May-2022	6-Jun-2022	4-Jul-2022	1-Aug-2022	7-Sep-2022	12-Oct-2022	7-Nov-2022	5-Dec-2022	16-Jan-2023	13-Feb-2023	6-Mar-2023	Maximum	Minimum	Average
	Air temperature	℃	—	19.8	22.0	17.0	26.0	31.2	26.0	21.0	16.4	13.9	12.5	11.7	13.5	31.2	11.7	19.3
	Water temperature	℃	—	14.0	17.5	21.0	24.3	24.5	25.0	20.6	18.5	16.5	12.0	11.9	13.2	25.0	11.9	18.3
1	Standard plate count bacteria	per ml	100 or less	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	Bacillus Coli	—	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	Detected 0 : Not Detected 12		
3	Cadmium or its chemical compounds	mg/L	0.003 or less	<0.0001	—	—	<0.0001	—	—	<0.0001	—	—	<0.0001	—	—	<0.0001	<0.0001	<0.0001
4	Mercury or its chemical compounds	mg/L	0.0005 or less	<0.00005	—	—	<0.00005	—	—	<0.00005	—	—	<0.00005	—	—	<0.00005	<0.00005	<0.00005
5	Selenium or its chemical compounds	mg/L	0.01 or less	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	<0.0005	<0.0005
6	Lead or its chemical compounds	mg/L	0.01 or less	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	<0.0005	<0.0005
7	Arsenic or its chemical compounds	mg/L	0.01 or less	<0.0003	—	—	0.0004	—	—	<0.0003	—	—	<0.0003	—	—	0.0004	<0.0003	<0.0003
8	Hexavalent chromium or its chemical compounds	mg/L	0.02 or less	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	<0.0005	<0.0005
9	Nitrate nitorogen	mg/L	0.04 or less	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004	<0.004
10	Cyanide ion/ Zion chloride	mg/L	0.01 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
11	Nitrate nitrogen/ Nitrite nitrogen	mg/L	10 or less	0.7	0.6	0.6	0.5	0.6	0.6	0.8	0.5	0.7	0.6	0.6	0.6	0.8	0.5	0.6
12	Flourine or its chemical compounds	mg/L	0.8 or less	<0.05	—	—	<0.05	—	—	<0.05	—	—	0.06	—	—	0.06	<0.05	<0.05
13	Boron or its chemical compounds	mg/L	1.0 or less	0.025	—	—	0.033	—	—	0.024	—	—	0.034	—	—	0.034	0.024	0.029
14	Carbon tetrachloride	mg/L	0.002 or less	<0.0002	—	—	<0.0002	—	—	<0.0002	—	—	<0.0002	—	—	<0.0002	<0.0002	<0.0002
15	Dioxane-1.4	mg/L	0.05 or less	<0.0005	—	—	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	<0.0005	<0.005
16	Cis-1.2 dichloroethylene and Trans-1.2 dichloroethylene	mg/L	0.04 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
17	Dichloromethane	mg/L	0.02 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
18	Tetrachloroethylene	mg/L	0.01 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
19	Trichloroethylene	mg/L	0.01 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
20	Benzene	mg/L	0.01 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
21	Chloric acid	mg/L	0.6 or less	<0.06	—	—	<0.06	—	—	<0.06	—	—	<0.06	—	—	<0.06	<0.06	<0.06
22	Chloroacetic acid	mg/L	0.02 or less	<0.002	—	—	<0.002	—	—	<0.002	—	—	<0.002	—	—	<0.002	<0.002	<0.002
23	Chloroform	mg/L	0.06 or less	0.006	—	—	0.009	—	—	0.003	—	—	0.003	—	—	0.009	0.003	0.005
24	Dichloroacetate	mg/L	0.03 or less	0.002	—	—	<0.002	—	—	<0.002	—	—	<0.002	—	—	0.002	<0.002	<0.002
25	Dibromochloromethane	mg/L	0.1 or less	<0.001	—	—	0.001	—	—	<0.001	—	—	0.001	—	—	0.001	<0.001	<0.001
26	Bromic acid	mg/L	0.01 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
27	Total trihalomethane	mg/L	0.1 or less	0.008	—	—	0.014	—	—	0.005	—	—	0.007	—	—	0.014	0.005	0.009
28	Trichloroacetic acid	mg/L	0.03 or less	0.004	—	—	0.004	—	—	<0.002	—	—	<0.002	—	—	0.004	<0.002	0.002
29	Bromodichloromethane	mg/L	0.03 or less	0.002	—	—	0.004	—	—	0.002	—	—	0.003	—	—	0.004	0.002	0.003
30	Bromoform	mg/L	0.09 or less	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	—	—	<0.001	<0.001	<0.001
31	Formaldehyde	mg/L	0.08 or less	<0.004	—	—	<0.004	—	—	<0.004	—	—	<0.004	—	—	<0.004	<0.004	<0.004
32	Zinic or its chemical compounds	mg/L	1.0 or less	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	<0.005	<0.005
33	Alminum or its chemical compounds	mg/L	0.2 or less	0.044	—	—	0.12	—	—	0.038	—	—	0.069	—	—	0.12	0.038	0.068
34	Iron or its chemical compounds	mg/L	0.3 or less	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	<0.005	<0.005
35	Copper or its chemical compounds	mg/L	1.0 or less	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	<0.005	<0.005
36	Sodium or its chemical compounds	mg/L	200 or less	6	—	—	7	—	—	6	—	—	7	—	—	7	6	7
37	Manganese or its chemical compounds	mg/L	0.05 or less	<0.0003	—	—	<0.0003	—	—	<0.0003	—	—	<0.0003	—	—	<0.0003	<0.0003	<0.0003
38	Chloride ion level	mg/L	200 or less	5	4	4	4	4	4	6	5	5	7	7	7	7	4	5
39	Calcium/magnesium etc. (hardness)	mg/L	300 or less	48	—	—	54	—	—	52	—	—	62	—	—	62	48	54
40	Evaporation residue	mg/L	500 or less	84	—	—	95	—	—	88	—	—	100	—	—	100	84	92
41	Anionic detergents	mg/L	0.2 or less	<0.02	—	—	<0.02	—	—	<0.02	—	—	<0.02	—	—	<0.02	<0.02	<0.02
42	Geosmin *1	mg/L	0.00001 or less	<0.000001	—	—	<0.000001	—	—	<0.000001	—	—	<0.000001	—	—	<0.000001	<0.000001	<0.000001
43	2-methylisoborneol *2	mg/L	0.00001 or less	<0.000001	—	—	<0.000001	—	—	<0.000001	—	—	<0.000001	—	—	<0.000001	<0.000001	<0.000001
44	Nonionic surfactants	mg/L	0.02 or less	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	—	—	<0.005	<0.005	<0.005
45	Phenols	mg/L	0.005 or less	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	—	—	<0.0005	<0.0005	<0.0005
46	TOC(Organic material)	mg/L	3 or less	0.5	0.3	0.3	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.5	0.2	0.3
47	pH Count	—	From 5.8 to 8.6	7.5	7.6	7.7	7.8	7.7	7.8	7.2	7.8	7.6	7.7	7.6	7.6	7.8	7.2	7.6
48	Flavor	—	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	Abnormal 0 : No Abnormalities 12		
49	Odour	—	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities	Abnormal 0 : No Abnormalities 12		
50	Chromaticity	°C	5 or less	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
51	Turbidity	°C	2 or less	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
	Chlorine residue	mg/L	0.1 or more ※3	0.36	0.42	0.34	0.36	0.38	0.44	0.42	0.40	0.42	0.40	0.32	0.42	0.44	0.32	0.39
Findings				Meets water quality standards	Above items meet necessary water quality standards.	Above items meet necessary water quality standards.	Meets water quality standards	Above items meet necessary water quality standards.	Above items meet necessary water quality standards.	Meets water quality standards	Above items meet necessary water quality standards.	Above items meet necessary water quality standards.	Meets water quality standards	Above items meet necessary water quality standards.	Above items meet necessary water quality standards.			
Duration of Inspection		from		6-Apr	18-May	6-Jun	4-Jul	1-Aug	7-Sep	12-Oct	7-Nov	5-Dec	16-Jan	13-Feb	6-Mar			
		to		15-Apr	19-May	7-Jun	14-Jul	2-Aug	8-Sep	20-Oct	8-Nov	6-Dec	20-Jan	14-Feb	7-Mar			
Inspection Agency				Water Quality Management Division, Waterworks Department, Wateworks Bureau, City of Shizuoka（152-9 Ihara-cho, Shimizu-ku, Shizuoka City, Japan)														

Notes:

・Water quality inspections are carried out by methods set by the Minister of Health, Labour and Welfare (MHLW Notice 261, July 22, 2003)

・The symbol "<" to the left of values indicates a number less than said value

*1 Proper name: (4S, 4aS, 8aR) -Octahydro-4,8a-Dimethylnaphthalene-4a(2H)-All

*2 Proper name: 1,2,7,7-Tetramethylbicyclo[2,2,1]Heptane-2-All

*3 Isolated residual chlorine as it falls under Article 1, Part 3 of Enforcement Regulation 17 in the Waterworks Law

This is to certify that the above record is a translation of the original Water Quality Inspection Results.

Shimizu Port Authority