

Water Quality Inspection Report_ April 2024 to June 2024

Sampling location: **Miho Fureai Park**

Supply route: Yatsu Filtration Plant→ Ohirayama Reservoir

Items for Inspection	Units	Sampling Date	Criterion Value			8-Apr-2024	13-May-2024	3-Jun-2024								Maximum	Minimum	Average
			8-Apr-2024	13-May-2024	3-Jun-2024													
Air temperature	°C	—	—	19.7	20.3	22.6										22.6	19.7	20.9
Water temperature	°C	—	—	15.8	19.2	20.3										20.3	15.8	18.4
1 Standard plate count bacteria	per ml	100 or less	—	0	0	0										0	0	0
2 Bacillus Coli	—	N/A	—	N/A	N/A	N/A										Detected 0 : Not Detected 3		
3 Cadmium or its chemical compounds	mg/L	0.003 or less	—	<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
5 Selenium or its chemical compounds	mg/L	0.01 or less	—	<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
7 Arsenic or its chemical compounds	mg/L	0.01 or less	—	0.0003	—	—										0.0003	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
9 Nitrate nitrogen	mg/L	0.04 or less	—	<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
11 Nitrate nitrogen/ Nitrite nitrogen	mg/L	10 or less	—	0.6	0.4	0.5										0.6	0.4	0.5
12 Flourine or its chemical compounds	mg/L	0.8 or less	—	0.06	0.06	0.06										0.06	0.06	0.06
13 Boron or its chemical compounds	mg/L	1.0 or less	—	0.025	—	—										0.025	0.025	0.025
14 Carbon tetrachloride	mg/L	0.002 or less	—	<0.0002	—	—										<0.0002	<0.0002	<0.0002
15 Dioxane-1.4	mg/L	0.05 or less	—	<0.005	—	—										<0.005	<0.005	<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
17 Dichloromethane	mg/L	0.02 or less	—	<0.001	—	—										<0.001	<0.001	<0.001
18 Tetrachloroethylene	mg/L	0.01 or less	—	<0.001	—	—										<0.001	<0.001	<0.001
19 Trichloroethylene	mg/L	0.01 or less	—	<0.001	—	—										<0.001	<0.001	<0.001
20 Benzene	mg/L	0.01 or less	—	<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
22 Chloroacetic acid	mg/L	0.02 or less	—	<0.002	—	—										<0.002	<0.002	<0.002
23 Chloroform	mg/L	0.06 or less	—	0.005	—	—										0.005	0.005	0.005
24 Dichloroacetate	mg/L	0.03 or less	—	<0.002	—	—										<0.002	<0.002	<0.002
25 Dibromochloromethane	mg/L	0.1 or less	—	<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
27 Total trihalomethane	mg/L	0.1 or less	—	0.007	—	—										0.007	0.007	0.007
28 Trichloroacetic acid	mg/L	0.03 or less	—	<0.002	—	—										<0.002	<0.002	<0.002
29 Bromodichloromethane	mg/L	0.03 or less	—	0.002	—	—										0.002	0.002	0.002
30 Bromoform	mg/L	0.09 or less	—	<0.001	—	—										<0.001	<0.001	<0.001
31 Formaldehyde	mg/L	0.08 or less	—	<0.004	—	—										<0.004	<0.004	<0.004
32 Zinc or its chemical compounds	mg/L	1.0 or less	—	<0.005	—	—										<0.005	<0.005	<0.005
33 Alminum or its chemical compounds	mg/L	0.2 or less	—	0.050	—	—										0.050	0.050	0.050
34 Iron or its chemical compounds	mg/L	0.3 or less	—	<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
36 Sodium or its chemical compounds	mg/L	200 or less	—	6	—	—										6	6	6
37 Manganese or its chemical compounds	mg/L	0.05 or less	—	<0.0003	—	—										<0.0003	<0.0003	<0.0003
38 Chloride ion level	mg/L	200 or less	—	4	4	4										4	4	4
39 Calcium/magnesium etc. (hardness)	mg/L	300 or less	—	52	—	—										52	52	52
40 Evaporation residue	mg/L	500 or less	—	91	—	—										91	91	91
41 Anionic detergents	mg/L	0.2 or less	—	<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
43 2-methylisoborneol *2	mg/L	0.00001 or less	—	<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
45 Phenols	mg/L	0.005 or less	—	<0.0005	—	—										<0.0005	<0.0005	<0.0005
46 TOC(Organic material)	mg/L	3 or less	—	0.2	0.3	0.3										0.3	0.2	0.3
47 pH Count	—	From 5.8 to 8.6	—	7.7	7.7	7.6										7.7	7.6	7.7
48 Flavor	—	No abnormalities	Meets water quality standards	No abnormalities	No abnormalities	No abnormalities										Abnormal 0 : No Abnormalities 3		
49 Odour	—	No abnormalities	No abnormalities	No abnormalities	No abnormalities	No abnormalities										Abnormal 0 : No Abnormalities 3		
50 Chromaticity	°C	5 or less	—	<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
Chlorine residue	mg/L	0.1 or more ※3	—	0.44	0.44	0.34										0.44	0.34	0.41
Findings			Meets water quality standards	Above items meet necessary water quality standards.	Above items meet necessary water quality standards.													
Duration of Inspection			from 8-Apr to 19-Apr	13-May to 14-May	3-Jun to 4-Jun													
Inspection Agency			Water Quality Management Division, Waterworks Department, Waterworks 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