All private details have been removed from this sample report

Triangle Inspection Group
110 W Laurenbrook Court
Cary, NC 27518-

Phone (919) 247-4616

Matrix: Drinking Water

Client:

Sample Location:

This sample taken by Scott Makseyn at 1:00:00 PM on . . Point of collection: Kitchen Sink

Health Scan Report

Analytes	Results	Description	EPA Limits
Bacteria			
Total Coliform	Absent	SOP #111 based on SM 9223B	0
E. Coli	Absent	SOP #111 based on SM 9223B	0
MicroAnalysis			
MicroAnalysis	See Attached		
Mineral Chemistry			
Sodium	12.12 mg/L	SOP #110 based on EPA 200.8	No Limit
Potassium	1.53 mg/L	SOP #110 based on EPA 200.8	No Limit
Copper	0.07 mg/L	SOP #110 based on EPA 200.8	1.30 mg/L
Iron	Not Detected	SOP #110 based on EPA 200.8	0.30 mg/L
Manganese	0.01 mg/L	SOP #110 based on EPA 200.8	0.05 mg/L
Magnesium	2.69 mg/L	SOP #110 based on EPA 200.8	No Limit
Calcium	5.75 mg/L	SOP #110 based on EPA 200.8	No Limit
Arsenic (Total)	Not Detected	SOP #110 based on EPA 200.8	0.010 mg/L
Lead	Not Detected	SOP #110 based on EPA 200.8	0.015 mg/L
pH	6.88 SU	SOP #101 based on SM 4500-HB	6.5 - 8.5 SU
Turbidity	0.22 N.T.U.	SOP #115 based on SM 2130B	No Limit
Color	0 C.U.		15.0 C.U.
Odor	Absent		3.0 T.O.N.
Conductivity	143.0 umhos	SOP #103 based on SM 2510B	No Limit
T.D.S.	85.8 mg/L		500.0 mg/L
Sediment	Absent		Present
Chlorine	Not Detected	SOP #114 based on SM 4500-CL-G	4.0 mg/L
Chloride	14.27 mg/L	SOP #125 based on EPA 6500	250.0 mg/L
Hardness	25.4 mg/L	SOP #110 based on EPA 200.8	No Limit
Nitrate as Nitrogen	0.75 mg/L	SOP #125 based on EPA 6500	10.0 mg/L
Nitrite as Nitrogen	Not Detected	SOP #125 based on EPA 6500	1.0 mg/L
Ammonia as Nitrogen	Not Detected		No Limit
Sulfate	1.78 mg/L	SOP #125 based on EPA 6500	250.0 mg/L
Radiochemistry			
Radon in Water	930 pCi/L		-
Volatile Organics			
Benzene	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
Bromobenzene	Not Detected	SOP #107 based on EPA 524.2	-
Bromochloromethane	Not Detected	SOP #107 based on EPA 524.2	-
Bromodichloromethane	Not Detected	SOP #107 based on EPA 524.2	-

Health Scan Report

Analytes	Results	Description	EPA Limits
Bromoform	Not Detected	SOP #107 based on EPA 524.2	-
Bromomethane	Not Detected	SOP #107 based on EPA 524.2	-
n-Butylbenzene	Not Detected	SOP #107 based on EPA 524.2	-
sec-Butylbenzene	Not Detected	SOP #107 based on EPA 524.2	No Limit
tert-Butylbenzene	Not Detected	SOP #107 based on EPA 524.2	-
Carbon-Tetrachloride	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
Dibromochloromethane	Not Detected	SOP #107 based on EPA 524.2	-
Chloroethane	Not Detected	SOP #107 based on EPA 524.2	-
Chloroform	Not Detected	SOP #107 based on EPA 524.2	-
Chloromethane	Not Detected	SOP #107 based on EPA 524.2	-
1,2-Chlorotoluene	Not Detected	SOP #107 based on EPA 524.2	-
1,4-Chlorotoluene	Not Detected	SOP #107 based on EPA 524.2	-
1,2-Dibromo-3-chloropropane	Not Detected		0.2 ug/L
Dibromomethane	Not Detected	SOP #107 based on EPA 524.2	-
1,2-Dibromoethane	Not Detected		-
1,3-Dichlorobenzene	Not Detected	SOP #107 based on EPA 524.2	-
1,2-Dichlorobenzene	Not Detected	SOP #107 based on EPA 524.2	600.0 ug/L
1,4-Dichlorobenzene	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
Dichlorodifluoromethane	Not Detected	SOP #107 based on EPA 524.2	-
1,1-Dichloroethane	Not Detected	SOP #107 based on EPA 524.2	-
1,2-Dichloroethane	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
1,1-Dichloroethylene	Not Detected	SOP #107 based on EPA 524.2	7.0 ug/L
cis-1,2-Dichloroethene	Not Detected	SOP #107 based on EPA 524.2	70.0 ug/L
trans-1,2-Dichloroethene	Not Detected		100.0 ug/L
1,2-Dichloropropane	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
1,3-Dichloropropane	Not Detected	SOP #107 based on EPA 524.2	-
2,2-Dichloropropane	Not Detected	SOP #107 based on EPA 524.2	-
1,1-Dichloropropene	Not Detected	SOP #107 based on EPA 524.2	-
1,3-Dichloropropene	Not Detected	SOP #107 based on EPA 524.2	-
trans-1,3-Dichloropropene	Not Detected	SOP #107 based on EPA 524.2	No Limit
Ethylbenzene	Not Detected	SOP #107 based on EPA 524.2	700.0 ug/L
Trichlorofluoromethane	Not Detected	SOP #107 based on EPA 524.2	No Limit
Hexachlorobutadiene	Not Detected	SOP #107 based on EPA 524.2	-
Isopropylbenzene	Not Detected	SOP #107 based on EPA 524.2	-
Methyl-t-Butyl Ether (MTBE)	Not Detected	SOP #107 based on EPA 524.2	70.0 ug/L
p-Isopropyltoluene	Not Detected	SOP #107 based on EPA 524.2	-
Methylene Chloride	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
Monochlorobenzene	Not Detected	SOP #107 based on EPA 524.2	100.0 ug/L
Napthalene	Not Detected	SOP #107 based on EPA 524.2	-
n-Propylbenzene	Not Detected	SOP #107 based on EPA 524.2	-

Health Scan Report

Analytes	Results	Description	EPA Limits
Styrene	Not Detected	SOP #107 based on EPA 524.2	100.0 ug/L
1,1,1,2-Tetrachloroethane	Not Detected	SOP #107 based on EPA 524.2	-
1,1,2,2-Tetrachloroethane	Not Detected	SOP #107 based on EPA 524.2	-
Tetrachloroethylene	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
Toluene	Not Detected	SOP #107 based on EPA 524.2	1000.0 ug/L
1,2,3-Trichlorobenzene	Not Detected	SOP #107 based on EPA 524.2	-
1,2,4-Trichlorobenzene	Not Detected	SOP #107 based on EPA 524.2	70.0 ug/L
1,1,1-Trichloroethane	Not Detected	SOP #107 based on EPA 524.2	200.0 ug/L
1,1,2-Trichloroethane	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
Trichloroethylene	Not Detected	SOP #107 based on EPA 524.2	5.0 ug/L
1,2,3-Trichloropropane	Not Detected	SOP #107 based on EPA 524.2	-
1,2,4-Trimethylbenzene	Not Detected	SOP #107 based on EPA 524.2	-
1,3,5-Trimethylbenzene	Not Detected	SOP #107 based on EPA 524.2	-
Vinyl Chloride	Not Detected	SOP #107 based on EPA 524.2	2.0 ug/L
o-Xylene	Not Detected	SOP #107 based on EPA 524.2	T. Xylenes 10K ug/L
m+p Xylenes	Not Detected	SOP #107 based on EPA 524.2	T. Xylenes 10K ug/L

Report ID: 5726

Micro Analysis Report

Client:
Company: Triangle Inspection Group
Company Phone Number: (919)-247-4616
Sample Description: Drinking Water from Kitchen Sink
Date of Collection: /1/2026

Summary of Findings:

- Total bacteria exceeds risk levels.
- Total fungi exceeds risk levels.
- Mold detected.
- Small quantity of mineral sediment and fiberglass present.

For species definitions, please refer to the glossary.

Detection of bacteria or fungi may indicate the need for routine well maintenance. Contact our laboratory to learn how annual well disinfection can help protect your water quality.

Bacterial Analysis

Total Bacterial Count (HPC): >1600 CFU/1 mL



Bacterial Species Identified

Similar to: ***Stenotrophomonas maltophilia***

[1]CFU/ml = colony forming units per milliliter
[2]Additional information regarding the organism(s) detected in this analysis can be attained using resources such as the Internet, local libraries, or by consulting your physician.

Report ID: 5726

Fungi (Mold/Yeast) Analysis

Total Fungi Count: **>1600 CFU/10mL**



Yeast Species Identified

Similar to: ***Rhodotorula glutinis***

Mold Species Identified

Similar to: ***Verticillium sp.***

Particle Analysis (Amounts/Types)

Amount: **8 Particles/ mL**



Small quantity of mineral sediment and fiberglass present.

[1]CFU/ml = colony forming units per milliliter
[2]Additional information regarding the organism(s) detected in this analysis can be attained using resources such as the Internet, local libraries, or by consulting your physician.

Stenotrophomonas maltophilia

Stenotrophomonas maltophilia bacteria are aerobic, gram-negative bacilli that are found in a variety of aquatic environments as well as in soil and plants. This bacteria has been utilized for certain biotechnology applications, but conversely, can also be the cause of human infection. *S. maltophilia* has not historically been considered pathogenic, but increasing opportunistic infections as a result of this bacteria have occurred primarily in immunocompromised patients in recent years. *S. maltophilia* is commonly found in respiratory tract infections and often colonizes medical devices such as catheters. Because this species is resistant to many antibiotics, the fatality rate of immunocompromised patients infected with this bacteria is significant which makes *S. maltophilia* a species of growing concern.

References

Brooke, J. S. (2012). *Stenotrophomonas maltophilia*: An emerging global opportunistic pathogen. *Clinical Microbiology Reviews, 25(1)*, 2-41.

Stenotrophomonas maltophilia. (n.d.). Retrieved February 19, 2016 from the Wikipedia HYPERLINK "https://en.wikipedia.org/wiki/Stenotrophomonas_maltophilia"https://en.wikipedia.or

Rhodotorula glutinis

Rhodotorula glutinis is a species of yeast that is widely found in air, soil, lakes, oceans, and dairy products. *R. glutinis* is a common contaminant and is considered to be largely non-pathogenic, though infections caused by this species have been documented in immunocompromised individuals. Infections resulting from this yeast include fungemia associated with catheters (presence of fungi in the blood), endocarditis (inflammation of the endocardium), peritonitis (complication of chronic peritoneal dialysis), meningitis, keratomycosis (inflammation of the cornea), dacryocystitis (infection of the lacrimal sac (of the eye)), and endophthalmitis (inflammation of the internal coats of the eye).

References

Seifi, Z., Mahmoudabadi, A. Z., & Hydrinia, S. (2013). Isolation, identification, and susceptibility profile of *Rhodotorula* species isolated from two educational hospitals in Ahvaz. *Jundishapur Journal of Microbiology, 6(6)*: e8935.

Rhodotorula glutinis. (n.d.). In *Viticulture and Enology*. Retrieved from http://wineserver.ucdavis.edu/industry/enology/winemicro/wineyeast/rhodotorula_glutinis.html

VERTICILLIUM spp.

Description and Natural Habitats

Verticillium **is a widely distributed filamentous fungus that inhabits decaying vegetation and soil. Some** ***Verticillium*** **Species may be pathogenic to arthropods, plants and other fungi. It is commonly considered as a contaminant.** ***Verticillium*** **may very rarely cause human disease.**