

Report #: 10422164

Date : 10/4/2022

P.O.Number: 10-4-22 Visa

Matrix: Water

Client: t Holland

Sample  
Location:

Phone (770) 893-2271

This sample taken by Michael Scott Webb at 9:30:00 AM  
on 10/3/2022. . Point of collection: Hose Faucet

## Environmental Scan Report

<u>Analytes</u>	<u>Results</u>	<u>Description</u>	<u>EPA Limits</u>
<u><b>Bacteria</b></u>			
Total Coliform	Absent	Indicates Presence of Harmful Bacteria	0
E. Coli	Absent	Known to Cause Illness	0
Total Bacteria Count	6200 cfu/100mL	Other Bacteria	50,000 cfu/100mL
<u><b>Mineral Chemistry</b></u>			
Sodium	17.02 mg/L	A Component of Salt	No Limit
Potassium	1.69 mg/L	A Component of Salt	No Limit
Copper	Not Detected	Indicates Plumbing Corrosion	1.30 mg/L
Iron	Not Detected	Brown Stains, Bitter Taste	0.30 mg/L
Manganese	Not Detected	May Cause Black/ Laundry Staining	0.05 mg/L
Magnesium	1.30 mg/L	A Component of Hardness	No Limit
Calcium	14.62 mg/L	A Component of Hardness	No Limit
Arsenic (Total)	Not Detected	A Naturally Occurring Toxic Element	0.010 mg/L
Zinc.	0.01 mg/L	A Toxic Metal if Exposed to High Amounts	5.0 mg/L
Lead	Not Detected	A Toxic Metal, From Plumbing Components	0.015 mg/L
pH	7.96 SU	Acid/Basic Determination	6.5 - 8.5 SU
Turbidity	0.04 N.T.U.	Presence of Particles/Measure of Cloudiness	No Limit
Color	0 C.U.	Clarity (0), Discoloration (15)	15.0 C.U.
Odor	Absent	Odor May Be Due To Bacteria Contamination	3.0 T.O.N.
Conductivity	149.3 umhos	Electrical Resistance (umhos/cm)	No Limit
T.D.S.	89.6 mg/L	Total Dissolved Minerals Present	500.0 mg/L
Sediment	Absent	Undissolved Solids	Present
Alkalinity	70.0 mg/L	Ability to Neutralize Acid	No Limit
Chlorine	Not Detected	A Disinfectant Byproduct	4.0 mg/L
Chloride	1.39 mg/L	A Component of Salt	250.0 mg/L
Hardness	41.9 mg/L	75 or Higher is Considered Hard	No Limit
Nitrate as Nitrogen	0.33 mg/L	Indicator of Biological Waste	10.0 mg/L
Nitrite as Nitrogen	Not Detected	Indicator of Waste	1.0 mg/L
Ammonia as Nitrogen	Not Detected	Indicator of Waste	No Limit
Sulfate	6.69 mg/L	A Mineral, Can Cause Odor	250.0 mg/L
Fluoride	0.31 mg/L	Naturally Occuring or Added By Municipalities	4.0 mg/L
Tannins	Not Detected	Bitter Tasting Organic Substance	No Limit
<u><b>Radiochemistry</b></u>			
Radon in Water	Not Detected	Massachusetts D.E.P. Guideline - 10,000 pCi/L	-
<u><b>Heavy Metals</b></u>			
Antimony	Not Detected	A Toxic Metal if Exposed to High Amounts	0.006 mg/L
Beryllium	Not Detected	A Toxic Metal if Exposed to High Amounts	0.004 mg/L

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Cadmium	Not Detected	A Toxic Metal if Exposed to High Amounts	0.005 mg/L
Chromium	Not Detected	A Toxic Metal if Exposed to High Amounts	0.100 mg/L
Mercury	Not Detected	A Toxic Metal	0.002 mg/L
Nickel	Not Detected	A Toxic Metal if Exposed to High Amounts	0.100 mg/L
Selenium	Not Detected	A Toxic Metal if Exposed to High Amounts	0.050 mg/L
Silver	Not Detected	A Toxic Metal if Exposed to High Amounts	0.100 mg/L
Thallium	Not Detected	A Toxic Metal if Exposed to High Amounts	0.002 mg/L
<u>Other Parameters</u>			
PCB	Not Detected	Polychlorinated Biphenyls	0.0 mg/L
TOC	Not Detected	Total Organic Carbon	-
MBAS	Not Detected	Methylene Blue Active Substances	0.50 mg/L
Hydrogen Sulfide	Not Detected	Gas With Odor of Sulfur	0.05 mg/L
O-Phosphate	Not Detected	Nutrient	5.0 mg/L
T-Phosphorus	Not Detected	Nutrient	5.0 mg/L
<u>Volatile Organics</u>			
Benzene	Not Detected	Industrial Solvent	5.0 ug/L
Bromobenzene	Not Detected	Industrial Solvent	-
Bromochloromethane	Not Detected	Industrial Solvent	-
Bromodichloromethane	Not Detected	A Disinfectant Byproduct	-
Bromoform	Not Detected	Industrial Solvent	-
Bromomethane	Not Detected	Industrial Solvent	-
n-Butylbenzene	Not Detected	Industrial Solvent	-
sec-Butylbenzene	Not Detected	Industrial Solvent	No Limit
tert-Butylbenzene	Not Detected	Industrial Solvent	-
Carbon-Tetrachloride	Not Detected	Industrial Solvent	5.0 ug/L
Dibromochloromethane	Not Detected	A Disinfectant Byproduct	-
Chloroethane	Not Detected	Industrial Solvent	-
Chloroform	Not Detected	A Disinfectant Byproduct	-
Chloromethane	Not Detected	Industrial Solvent	-
1,2-Chlorotoluene	Not Detected	Industrial Solvent	-
1,4-Chlorotoluene	Not Detected	Industrial Solvent	-
1,2-Dibromo-3-chloropropane	Not Detected	Pesticide Byproduct	0.2 ug/L
Dibromomethane	Not Detected	Industrial Solvent	-
1,2-Dibromoethane	Not Detected	Pesticide Byproduct	-
1,3-Dichlorobenzene	Not Detected	Pesticide Byproduct	-
1,2-Dichlorobenzene	Not Detected	Pesticide Byproduct	600.0 ug/L
1,4-Dichlorobenzene	Not Detected	Pesticide Byproduct	5.0 ug/L
Dichlorodifluoromethane	Not Detected	Industrial Solvent	-
1,1-Dichloroethane	Not Detected	Plastic Manufacturing Byproduct	-

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1,2-Dichloroethane	Not Detected	Plastic Manufacturing Byproduct	5.0 ug/L
1,1-Dichloroethylene	Not Detected	Plastic Manufacturing Byproduct	7.0 ug/L
cis-1,2-Dichloroethene	Not Detected	Industrial Solvent	70.0 ug/L
trans-1,2-Dichloroethene	Not Detected	Industrial Solvent	100.0 ug/L
1,2-Dichloropropane	Not Detected	Industrial Solvent	5.0 ug/L
1,3-Dichloropropane	Not Detected	Pesticide Byproduct	-
2,2-Dichloropropane	Not Detected	Industrial Solvent	-
1,1-Dichloropropene	Not Detected	Pesticide Byproduct	-
1,3-Dichloropropene	Not Detected	Pesticide Byproduct	-
trans-1,3-Dichloropropene	Not Detected	Pesticide Byproduct	No Limit
Ethylbenzene	Not Detected	Industrial Solvent	700.0 ug/L
Trichlorofluoromethane	Not Detected	Industrial Solvent	No Limit
Hexachlorobutadiene	Not Detected	Industrial Solvent	-
Isopropylbenzene	Not Detected	Industrial Solvent	-
Methyl-t-Butyl Ether (MTBE)	Not Detected	Gasoline Byproduct	70.0 ug/L
p-Isopropyltoluene	Not Detected	Industrial Solvent	-
Methylene Chloride	Not Detected	Industrial Solvent	5.0 ug/L
Monochlorobenzene	Not Detected	Industrial Solvent	100.0 ug/L
Napthalene	Not Detected	Industrial Solvent	-
n-Propylbenzene	Not Detected	Industrial Solvent	-
Styrene	Not Detected	Plastic Manufacturing Byproduct	100.0 ug/L
1,1,1,2-Tetrachloroethane	Not Detected	Industrial Solvent	-
1,1,2,2-Tetrachloroethane	Not Detected	Industrial Solvent	-
Tetrachloroethylene	Not Detected	Industrial Solvent	5.0 ug/L
Toluene	Not Detected	Industrial Solvent	1000.0 ug/L
1,2,3-Trichlorobenzene	Not Detected	Industrial Solvent	-
1,2,4-Trichlorobenzene	Not Detected	Industrial Solvent	70.0 ug/L
1,1,1-Trichloroethane	Not Detected	Industrial Solvent	200.0 ug/L
1,1,2-Trichloroethane	Not Detected	Industrial Solvent	5.0 ug/L
Trichloroethylene	Not Detected	Industrial Solvent	5.0 ug/L
1,2,3-Trichloropropane	Not Detected	Industrial Solvent	-
1,2,4-Trimethylbenzene	Not Detected	Industrial Solvent	-
1,3,5-Trimethylbenzene	Not Detected	Plastic Manufacturing Byproduct	-
Vinyl Chloride	Not Detected	Plastic Manufacturing Byproduct	2.0 ug/L
o-Xylene	Not Detected	Industrial Solvent	T. Xylenes 10K ug/
m+p Xylenes	Not Detected	Industrial Solvent	T. Xylenes 10K ug/
<u>Pesticides</u>			
Aldrin	Not Detected		-
A-BHC	Not Detected		-

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B-BHC	Not Detected		-
C-BHC	Not Detected		-
D-BHC	Not Detected		-
Chlordane	Not Detected		2.0 ug/L
4,4'-DDD	Not Detected		-
4,4'-DDE	Not Detected		-
4,4'-DDT	Not Detected		-
Dieldrin	Not Detected		-
Endosulfan I	Not Detected		-
Endosulfan II	Not Detected		-
Endosulfan Sulfate	Not Detected		-
Endrin	Not Detected		-
Endrin Aldehyde	Not Detected		-
Heptachlor	Not Detected		-
Heptachlor Epoxide	Not Detected		-
Methoxychlor	Not Detected		-
Toxaphene	Not Detected		-
Polychlorinated Bipenyls	Not Detected		-
<u>Herbicides</u>			
2,4-D	Not Detected		70.0 ug/L
2,4,5-TP	Not Detected		50.0 ug/L
2,4,5-T	Not Detected		-