simplelab

W8KHMN

CLIENT INFORMATION

600 E 17th St. S., Newton, IOWA 50208
EPA LAB ID: IA00044
For questions contact hello@gosimplelab.com

Client: ********
Requested On: Mar 2, 2023
Phone: ********
Email: ********

TESTING PERFORMED

Testing Requested: Advanced City Water Test
Matrix: Drinking Water
Testing / Report ID: W8KHMN

SAMPLE INFORMATION

Collection Date: Apr 8, 2023
Collected By: ********
Received Date: Apr 10, 2023
Reported On: Apr 14, 2023
Sample Location: Kitchen Sink
Sample Address: ********

TESTING NOTES

There were no problems with analytical events associated with this report unless noted. Quality control data is within laboratory defined or method specified acceptance limits except where noted. If you have any questions regarding these test results, please contact hello@gosimplelab.com

SUMMARY ANALYSIS

ANALYTE	UNIT	RESULT	METHOD	EPA REG
pH	pH	**7.4**	EPA 150.1	OK
Total Dissolved Solids	mg/L	**144**	SM 2510B	
Conductivity	umhos/cm	**245**	SM 2510B	
Hardness (Ca,Mg)	mg/L	**25.71**		
Hardness (Total)	mg/L	**26.1**		
Grains per gallon	Grains	**1.53**		
Alkalinity (as CaCO3)	mg/L	**41**	SM 2320 B	
Langelier Saturation Index		**-1.66**		
Sodium Adsorption Ratio		**18.23**		
Total THMs	µg/L	**0**		

TEST RESULTS

ANALYTE	UNIT	RESULT	MDL	METHOD	EPA REG
1,1,1,2 Tetrachloroethane	µg/L	NOT DETECTED	0.4997	EPA 524.2	
1,1,1 Trichloroethane	µg/L	NOT DETECTED	0.4965	EPA 524.2	
1,1,2,2 Tetrachloroethane	µg/L	NOT DETECTED	0.54997	EPA 524.2	

1,1,2 Trichloroethane	µg/L	NOT DETECTED	0.52168	EPA 524.2	
1,1 Dichloroethane	µg/L	NOT DETECTED	0.5154	EPA 524.2	
1,1 Dichloroethylene	µg/L	NOT DETECTED	0.52483	EPA 524.2	
1,1 Dichloropropene	µg/L	NOT DETECTED	0.46197	EPA 524.2	
1,2,3 Trichlorobenzene	µg/L	NOT DETECTED	0.39912	EPA 524.2	
1,2,3 Trichloropropane	µg/L	NOT DETECTED	0.59082	EPA 524.2	
1,2,4 Trichlorobenzene	µg/L	NOT DETECTED	0.54054	EPA 524.2	
1,2,4 Trimethylbenzene	µg/L	NOT DETECTED	0.4054	EPA 524.2	
1,2 Dichlorobenzene	µg/L	NOT DETECTED	0.46826	EPA 524.2	
1,2 Dichloroethane	µg/L	NOT DETECTED	0.68196	EPA 524.2	
1,2 Dichloropropane	µg/L	NOT DETECTED	0.54682	EPA 524.2	
1,3,5 Trimethylbenzene	µg/L	NOT DETECTED	0.41797	EPA 524.2	
1,3 Dichlorobenzene	µg/L	NOT DETECTED	0.46197	EPA 524.2	
1,3 Dichloropropane	µg/L	NOT DETECTED	0.51225	EPA 524.2	
1,4 Dichlorobenzene	µg/L	NOT DETECTED	0.4494	EPA 524.2	
2,2 Dichloropropane	µg/L	NOT DETECTED	0.49654	EPA 524.2	
Aluminum	mg/L	**0.089**	0.0384	EPA 200.7	
Antimony	mg/L	**0.0038**	2.0E-5	EPA 200.8	< MCL (0.006)
Arsenic	mg/L	NOT DETECTED	0.00012	EPA 200.8	
Barium	mg/L	**0.0043**	2.0E-5	EPA 200.8	< MCL (2)
Benzene	µg/L	NOT DETECTED	0.46197	EPA 524.2	
Beryllium	mg/L	NOT DETECTED	2.0E-5	EPA 200.8	
Boron	mg/L	NOT DETECTED	0.0558	EPA 200.7	
Bromobenzene	µg/L	NOT DETECTED	0.56568	EPA 524.2	
Bromochloromethane	µg/L	NOT DETECTED	0.60654	EPA 524.2	
Bromodichloromethane	µg/L	NOT DETECTED	0.49968	EPA 524.2	
Bromoform	µg/L	NOT DETECTED	0.47769	EPA 524.2	
Bromomethane	µg/L	NOT DETECTED	2	EPA 524.2	
Cadmium	mg/L	NOT DETECTED	1.0E-5	EPA 200.8	
Calcium	mg/L	**5.4**	0.09183	EPA 200.7	
Carbon Tetrachloride	µg/L	NOT DETECTED	0.52483	EPA 524.2	
Chloride	mg/L	**49.7**	0.34038	EPA 300.0	
Chlorobenzene	µg/L	NOT DETECTED	0.50911	EPA 524.2	
Chloroethane	µg/L	NOT DETECTED	0.59711	EPA 524.2	
Chloroform	µg/L	NOT DETECTED	0.56254	EPA 524.2	
Chloromethane	µg/L	NOT DETECTED	0.4274	EPA 524.2	
Chlorotoluene 2	µg/L	NOT DETECTED	0.40855	EPA 524.2	
Chlorotoluene 4	µg/L	NOT DETECTED	0.38969	EPA 524.2	
Chromium (Total)	mg/L	NOT DETECTED	0.00014	EPA 200.8	
cis 1,2 Dichloroethylene	µg/L	NOT DETECTED	0.51854	EPA 524.2	

cis 1,3 Dichloropropene	µg/L	NOT DETECTED	0.48397	EPA 524.2	
Cobalt	mg/L	NOT DETECTED	0.00013	EPA 200.8	
Copper	mg/L	NOT DETECTED	0.00012	EPA 200.8	
Dibromochloromethane	µg/L	NOT DETECTED	0.52168	EPA 524.2	
Dibromochloropropane	µg/L	NOT DETECTED	0.58454	EPA 524.2	
Dibromomethane	µg/L	NOT DETECTED	0.51854	EPA 524.2	
Dichlorodifluoromethane	µg/L	NOT DETECTED	0.45569	EPA 524.2	
Dichloromethane	µg/L	NOT DETECTED	0.94594	EPA 524.2	
Ethylbenzene	µg/L	NOT DETECTED	0.44312	EPA 524.2	
Ethylene dibromide	µg/L	NOT DETECTED	0.48083	EPA 524.2	
Fluoride	mg/L	**0.1**	0.02352	EPA 300.0	< MCL (4)
Hexachlorobutadiene	µg/L	NOT DETECTED	0.43683	EPA 524.2	
Iron	mg/L	NOT DETECTED	0.0466	EPA 200.7	
Isopropylbenzene	µg/L	NOT DETECTED	0.42426	EPA 524.2	
Lead	mg/L	NOT DETECTED	1.0E-5	EPA 200.8	
Lithium	mg/L	NOT DETECTED	0.01105	EPA 200.7	
Magnesium	mg/L	**2.97**	0.05837	EPA 200.7	
Manganese	mg/L	**0.0015**	3.0E-5	EPA 200.8	
Mercury	mg/L	NOT DETECTED	0.0005	EPA 200.8	
Methyl Tertiary Butyl Ether	µg/L	NOT DETECTED	1.11879	EPA 524.2	
Molybdenum	mg/L	NOT DETECTED	5.0E-5	EPA 200.8	
m,p Xylene	µg/L	NOT DETECTED	1.34506	EPA 524.2	
Naphthalene	µg/L	NOT DETECTED	0.51854	EPA 524.2	
n Butylbenzene	µg/L	NOT DETECTED	0.4714	EPA 524.2	
Nickel	mg/L	NOT DETECTED	3.0E-5	EPA 200.8	
Nitrate (as N)	mg/L	NOT DETECTED	0.07646	EPA 300.0	
Nitrite (as N)	mg/L	**0.16**	0.03547	EPA 300.0	< MCL (1)
n Propylbenzene	µg/L	NOT DETECTED	0.36141	EPA 524.2	
o Xylene	µg/L	NOT DETECTED	1.34506	EPA 524.2	
Phosphorus	mg/L	NOT DETECTED	0.134	EPA 200.7	
p Isopropyltoluene	µg/L	NOT DETECTED	0.4054	EPA 524.2	
Potassium	mg/L	**4.49**	0.67779	EPA 200.7	
sec Butylbenzene	µg/L	NOT DETECTED	0.38655	EPA 524.2	
Selenium	mg/L	NOT DETECTED	0.00013	EPA 200.8	
Silver	mg/L	NOT DETECTED	0.00037	EPA 200.8	
Sodium	mg/L	**37.3**	0.90289	EPA 200.7	
Strontium	mg/L	**0.047**	0.00645	EPA 200.7	
Styrene	µg/L	NOT DETECTED	0.47454	EPA 524.2	
Sulfate	mg/L	**3.2**	0.36456	EPA 300.0	
tert Butylbenzene	µg/L	NOT DETECTED	0.34884	EPA 524.2	

Tetrachloroethylene	µg/L	NOT DETECTED	0.4714	EPA 524.2	
Thallium	mg/L	NOT DETECTED	0.0001	EPA 200.8	
Tin	mg/L	NOT DETECTED	0.00035	EPA 200.8	
Titanium	mg/L	NOT DETECTED	0.0011	EPA 200.7	
Toluene	µg/L	NOT DETECTED	0.50911	EPA 524.2	
trans 1,3 Dichloropropene	µg/L	NOT DETECTED	0.43683	EPA 524.2	
Trichloroethylene	µg/L	NOT DETECTED	0.45254	EPA 524.2	
Trichlorofluoromethane	µg/L	NOT DETECTED	1.19736	EPA 524.2	
Uranium	mg/L	NOT DETECTED	0.001	EPA 200.8	
Vanadium	mg/L	NOT DETECTED	0.0004	EPA 200.8	
Vinyl Chloride	µg/L	NOT DETECTED	0.30484	EPA 524.2	
Zinc	mg/L	NOT DETECTED	0.01782	EPA 200.7	

How To Read Your SimpleLab PDF Report

Your results are being evaluated with the Federal Maximum Contaminant Level (MCL).
This is an enforceable primary drinking water standard set by the U.S. EPA. MCLs are the highest concentration of a contaminant permitted in drinking water from public water systems. MCLs are set as close as possible to health protective levels, while also taking into account the cost and availability of treatment technologies.

MDL: Method Detection Limit. MDL is the lowest concentration of an analyte which testing instrumentation and the analysis team is configured to measure.