

simplelab

H8KBE1

CLIENT INFORMATION

Client: *****
Requested On: Jan 24, 2022
Phone: *****
Email: *****

Keystone Labs Newton - East 17th
600 E 17th St. S., Newton, IOWA 50208

EPA LAB ID: IA00044
DO NOT CALL FACILITY DIRECTLY
For lab questions contact hello@gosimplelab.com

TESTING PERFORMED

Testing Requested: Advanced City Water Test
Matrix: Drinking Water
Testing / Report ID: H8KBE1

SAMPLE INFORMATION

Collection Date: Mar 22, 2022
Collected By: *****
Received Date: Mar 24, 2022
Reported On: Mar 31, 2022
Sample Location: Berkey Water Filter

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	EVALUATION
pH	pH	8	EPA 150.1	OK
Total Dissolved Solids	PPM	219	SM 2510B	
Conductivity	umhos/cm	374	SM 2510B	
Hardness (Ca,Mg)	PPM	112.13	2340 B	
Hardness (Total)	PPM	112.39	2340 C	
Grains per gallon	Grains	6.57	Conversion	
Alkalinity (as CaCO3)	PPM	94	SM 2320 B	
Langelier Saturation Index		0.23		NORMAL
Sodium Adsorption Ratio		6.58	Equation	

TEST RESULTS

ANALYTE	UNIT	RESULT	MDL	METHOD	EVALUATION
1,1,1,2 Tetrachloroethane	PPB	NOT DETECTED	0.4997	EPA 524.2	
1,1,1 Trichloroethane	PPB	NOT DETECTED	0.4965	EPA 524.2	
1,1,2,2 Tetrachloroethane	PPB	NOT DETECTED	0.54997	EPA 524.2	
1,1,2 Trichloroethane	PPB	NOT DETECTED	0.52168	EPA 524.2	
1,1 Dichloroethane	PPB	NOT DETECTED	0.5154	EPA 524.2	
1,1 Dichloroethylene	PPB	NOT DETECTED	0.52483	EPA 524.2	

1,1 Dichloropropene	PPB	NOT DETECTED	0.46197	EPA 524.2	
1,2,3 Trichlorobenzene	PPB	NOT DETECTED	0.39912	EPA 524.2	
1,2,3 Trichloropropane	PPB	NOT DETECTED	0.59082	EPA 524.2	
1,2,4 Trichlorobenzene	PPB	NOT DETECTED	0.54054	EPA 524.2	
1,2,4 Trimethylbenzene	PPB	NOT DETECTED	0.4054	EPA 524.2	
1,2 Dichlorobenzene	PPB	NOT DETECTED	0.46826	EPA 524.2	
1,2 Dichloroethane	PPB	NOT DETECTED	0.68196	EPA 524.2	
1,2 Dichloropropane	PPB	NOT DETECTED	0.54682	EPA 524.2	
1,3,5 Trimethylbenzene	PPB	NOT DETECTED	0.41797	EPA 524.2	
1,3 Dichlorobenzene	PPB	NOT DETECTED	0.46197	EPA 524.2	
1,3 Dichloropropane	PPB	NOT DETECTED	0.51225	EPA 524.2	
1,4 Dichlorobenzene	PPB	NOT DETECTED	0.4494	EPA 524.2	
2,2 Dichloropropane	PPB	NOT DETECTED	0.49654	EPA 524.2	
Aluminum	PPM	NOT DETECTED	0.0384	EPA 200.7	
Antimony	PPM	NOT DETECTED	5.0E-5	EPA 200.8	
Arsenic	PPM	NOT DETECTED	0.00012	EPA 200.8	
Barium	PPM	NOT DETECTED	2.0E-5	EPA 200.8	
Benzene	PPB	NOT DETECTED	0.46197	EPA 524.2	
Beryllium	PPM	NOT DETECTED	2.0E-5	EPA 200.8	
Boron	PPM	NOT DETECTED	0.0558	EPA 200.7	
Bromobenzene	PPB	NOT DETECTED	0.56568	EPA 524.2	
Bromochloromethane	PPB	NOT DETECTED	0.60654	EPA 524.2	
Bromodichloromethane	PPB	NOT DETECTED	0.49968	EPA 524.2	
Bromoform	PPB	NOT DETECTED	0.47769	EPA 524.2	
Bromomethane	PPB	NOT DETECTED	2	EPA 524.2	
Cadmium	PPM	NOT DETECTED	1.0E-5	EPA 200.8	
Calcium	PPM	42.3	0.09183	EPA 200.7	
Carbon Tetrachloride	PPB	NOT DETECTED	0.52483	EPA 524.2	
Chloride	PPM	43.6	0.34038	EPA 300.0	
Chlorobenzene	PPB	NOT DETECTED	0.50911	EPA 524.2	
Chloroethane	PPB	NOT DETECTED	0.59711	EPA 524.2	
Chloroform	PPB	NOT DETECTED	0.56254	EPA 524.2	
Chloromethane	PPB	NOT DETECTED	0.4274	EPA 524.2	
Chlorotoluene 2	PPB	NOT DETECTED	0.40855	EPA 524.2	
Chlorotoluene 4	PPB	NOT DETECTED	0.38969	EPA 524.2	
Chromium (Total)	PPM	NOT DETECTED	0.00014	EPA 200.8	
cis 1,2 Dichloroethylene	PPB	NOT DETECTED	0.51854	EPA 524.2	
cis 1,3 Dichloropropene	PPB	NOT DETECTED	0.48397	EPA 524.2	
Cobalt	PPM	NOT DETECTED	0.00013	EPA 200.8	
Copper	PPM	NOT DETECTED	0.00012	EPA 200.8	

Dibromochloromethane	PPB	NOT DETECTED	0.52168	EPA 524.2	
Dibromochloropropane	PPB	NOT DETECTED	0.58454	EPA 524.2	
Dibromomethane	PPB	NOT DETECTED	0.51854	EPA 524.2	
Dichlorodifluoromethane	PPB	NOT DETECTED	0.45569	EPA 524.2	
Dichloromethane	PPB	NOT DETECTED	0.94594	EPA 524.2	
Ethylbenzene	PPB	NOT DETECTED	0.44312	EPA 524.2	
Ethylene dibromide	PPB	NOT DETECTED	0.48083	EPA 524.2	
Fluoride	PPM	0.9	0.02352	EPA 300.0	> SLR (0.8)
Hexachlorobutadiene	PPB	NOT DETECTED	0.43683	EPA 524.2	
Iron	PPM	NOT DETECTED	0.0466	EPA 200.7	
Isopropylbenzene	PPB	NOT DETECTED	0.42426	EPA 524.2	
Lead	PPM	NOT DETECTED	1.0E-5	EPA 200.8	
Lithium	PPM	NOT DETECTED	0.01105	EPA 200.7	
Magnesium	PPM	1.58	0.05837	EPA 200.7	
Manganese	PPM	NOT DETECTED	3.0E-5	EPA 200.8	
Mercury	PPM	NOT DETECTED	0.0005	EPA 200.8	
Methyl Tertiary Butyl Ether	PPB	NOT DETECTED	1.11879	EPA 524.2	
Molybdenum	PPM	NOT DETECTED	1.0E-5	EPA 200.8	
m,p Xylene	PPB	NOT DETECTED	1.34506	EPA 524.2	
Naphthalene	PPB	NOT DETECTED	0.51854	EPA 524.2	
n Butylbenzene	PPB	NOT DETECTED	0.4714	EPA 524.2	
Nickel	PPM	NOT DETECTED	3.0E-5	EPA 200.8	
Nitrate (as N)	PPM	0.9	0.07646	EPA 300.0	< SLR
Nitrite (as N)	PPM	NOT DETECTED	0.03547	EPA 300.0	
n Propylbenzene	PPB	NOT DETECTED	0.36141	EPA 524.2	
o Xylene	PPB	NOT DETECTED	1.34506	EPA 524.2	
Phosphorus	PPM	NOT DETECTED	0.134	EPA 200.7	
p Isopropyltoluene	PPB	NOT DETECTED	0.4054	EPA 524.2	
Potassium	PPM	3.53	0.67779	EPA 200.7	
sec Butylbenzene	PPB	NOT DETECTED	0.38655	EPA 524.2	
Selenium	PPM	NOT DETECTED	0.00013	EPA 200.8	
Silver	PPM	NOT DETECTED	0.0002	EPA 200.8	
Sodium	PPM	30.8	0.90289	EPA 200.7	
Strontium	PPM	0.227	0.00645	EPA 200.7	< SLR
Styrene	PPB	NOT DETECTED	0.47454	EPA 524.2	
Sulfate	PPM	26.6	0.36456	EPA 300.0	< SLR
tert Butylbenzene	PPB	NOT DETECTED	0.34884	EPA 524.2	
Tetrachloroethylene	PPB	NOT DETECTED	0.4714	EPA 524.2	
Thallium	PPM	NOT DETECTED	1.0E-5	EPA 200.8	
Tin	PPM	NOT DETECTED	0.00035	EPA 200.8	

Titanium	PPM	NOT DETECTED	0.0011	EPA 200.7	
Toluene	PPB	NOT DETECTED	0.50911	EPA 524.2	
trans 1,3 Dichloropropene	PPB	NOT DETECTED	0.43683	EPA 524.2	
Trichloroethylene	PPB	NOT DETECTED	0.45254	EPA 524.2	
Trichlorofluoromethane	PPB	NOT DETECTED	1.19736	EPA 524.2	
Uranium	PPM	NOT DETECTED	0.001	EPA 200.8	
Vanadium	PPM	NOT DETECTED	0.00012	EPA 200.8	
Vinyl Chloride	PPB	NOT DETECTED	0.30484	EPA 524.2	
Zinc	PPM	NOT DETECTED	0.01782	EPA 200.7	

How To Read Your SimpleLab PDF Report

Your results are being evaluated with the SimpleLab Recommendation.

This is a health protective, non-enforceable drinking water benchmark. SLR is based on the most protective human health benchmark used among public health agencies for a contaminant. Drinking water at or near the SLR over the course of your lifetime is thought to be safe.

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