

Santa Claus Water Utility Water Quality Data for 2017

Inorganic Contaminants (2016)

	MCL MG/L	D.L. MG/L	Result MG/L
Antimony	0.006	0.001	BDL
Arsenic	0.01	0.002	BDL
Barium	2	0.002	0.121
Beryllium	0.004	0.0005	BDL
Cadmium	0.005	0.001	BDL
Chromium	0.1	0.003	BDL
Cyanide, Free	0.2	0.01	BDL
Flouride	4	0.1	0.2
Mercury	0	0.0002	BDL
Nickel	0.1	0.0002	BDL
Selenium	0.05	0.0009	BDL
Sodium	U.C.	0.6	78.1
Sulfate	U.C.	0.5	17.2
Thallium	0.002	0.0004	BDL

Definitions

"MCL"	means maximum contaminant level
"BDL"	means below detectable limit
"pCi/L"	means picocuries per liter
"D.L."	means detectable limit
"mg/L"	means part per million or milligrams per liter
"ug/L"	means part per billion or micrograms per liter

Asbestos

MCL	D.L.	Result
7 MFL	0.102	BDL

Radioactive Contaminants (2011)

	MCL	Result	Result
Radium 228	5	BDL	pCi/L
Gross Beta	40	5.7	pCi/L
Gross Alpha	15	BDL	pCi/L
Uranium	0.03	0.0006	Mg/L

Volatile Organic Contaminants (2016)

	MCL ug/L	D.L. ug/L	Result ug/L
Benzene	5	0.5	BDL
Carbon Tetrachloride	5	0.5	BDL
Chlorobenzene	100	0.5	BDL
1,2-Dichlorobenzene	600	0.5	BDL
1,4-Dichlorobenzene	75	0.5	BDL
1,2-Dichlorobenzene	5	0.5	BDL
1,1-Dichloroethylene	7	0.5	BDL
1,2-Dichloroethylene,cis	70	0.5	BDL
1,2-Dichloroethylene,trans	100	0.5	BDL
Dichloromethane	5	0.5	BDL
1,2-Dichloropropane	5	0.5	BDL
Ethylbenzene	700	0.5	BDL
Styrene	100	0.5	BDL
Tetrachloroethylene	5	0.5	BDL
Toluene	1000	0.5	BDL
1,2,4-Trichlorobenzene	70	0.5	BDL
1,1,1-Trichloroethane	200	0.5	BDL
1,1,2-Trichloroethane	5	0.5	BDL
Trichloroethylene	5	0.5	BDL
Vinyl Chloride	2	0.2	BDL
Total Xylenes	10000	0.5	BDL

Synthetic Organic Contaminants (2015)

	MCL ug/L	D.L. ug/L	Result ug/L
Alachlor(Lasso)	2	0.2	BDL
Atrazine	3	0.2	BDL
Benzo(a)pyrene	0.2	0.02	BDL
Carbofuran	40	0.5	BDL
Chlordane(alpha & gamma)	2	0.05	BDL
2,4-D	70	0.15	BDL
Dalapon	200	1.0	BDL
DBCP	0.2	0.01	BDL
Dinoseb	7	0.3	BDL
2,3,7,8-TCDD(Dioxin)	3x10-5	0	BDL
Disquat	20	0.66	BDL
Di(2-ethylhexyl)adipate	400	0.5	BDL
Di(2ethylhexyl)phthalate	6	1.0	BDL
Endothall	100	0.5	BDL
Endrin	2	0.02	BDL
Ethylene Dibromide(EDB)	0.05	10.0	BDL
Glyphosate (Round-Up)	700	5.0	BDL
Heptachlor	0.4	0.02	BDL
Heptachlor Epoxide	0.2	0.02	BDL
Hexachlorobenzene	1	0.1	BDL
Hexachlorocyclopentadiene	50	0.1	BDL
Lindane	0.2	0.02	BDL
Methoxychlor	40	0.1	BDL
Oxamyl(Vydate)	200	0.5	BDL
Pentachlorophenol	1	0.04	BDL
Picloram (Tordon)	500	0.15	BDL
PCBs	0.5	0	BDL
Simazine	4	0.15	BDL
2,4,5-TP (Silvex)	50	0.08	BDL
Toxaphene	3	0.08	BDL
Nitrates (2017)	10	0.09	3
Nitrites (2016)	1.0	0.06	BDL

Unregulated Volatile Organic Contaminants (2014)

	MCL	D.L.	Result
Bromobenzene	0	0.5	BDL
Bromomethane	0	0.5	BDL
Chloroethane	0	0.5	BDL
2-Chlorotoluene	0	0.5	BDL
4-Chlorotoluene	0	0.5	BDL
1,3-Dichlorobenzene	0	0.5	BDL
1,1-Dichloroethane	0	0.5	BDL
1,3-Dichloropropane	0	0.5	BDL
2,2-Dichloropropane	0	0.5	BDL
1,1- Dichloropropane	0	0.5	BDL
1,3- Dichloropropane(cis&trar)	0	0.5	BDL
1,1,1,2-Tetrachloroethane	0	0.5	BDL
1,1,2,2-Tetrachloroethane	0	0.5	BDL
1,2,3-Trichloropropane	0	0.5	BDL
Dibromomethane	0	0.5	BDL
Bromodichloromethane	0	0.5	BDL
Bromoform	0	0.5	2.4
Chlorodibromomethane	0	0.5	1.9
Chloroform	0	0.5	BDL
Methy-T-butyl ether	5000	0.5	BDL

Likely sources of Contamination

Lead: Corrosion of household plumbing systems, and erosion of natural deposits.
Copper: Corrosion of household plumbing systems.

Bacteriological/Disinfection

There were no positive bacteriological sample results in 2015, and no disinfectant residual violations.

Lead 90th Percentile (2017)

Copper 90th Percentile (2017)

MCL RESULT

ug/L ug/L

Haloacetic Acids 5

60 32.88 Avg.

2017 Range 7 TO 72

Total Trihalomethanes

80 39.75 Avg.

2017 Range 17 to 72