

Testing Results for Suburban Water, Inc.

Suburban Water, Inc. had no violations of drinking water regulations in 2013. There were no detections of microbiological contamination in the drinking water. Because of monitoring schedules, some of the test results are more than one year old.

Regulated Contaminants	Collection Date	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
BARIUM	1/12/2011	0.22	0.22	ppm	2	2	Discharge from metal refineries
CHROMIUM	1/12/2011	2.5	2.5	ppb	100	100	Discharge from steel and pulp mills
FLUORIDE	1/12/2011	0.22	0.22	ppm	4	4	Natural deposits; Water additive which promotes strong teeth.
NITRATE	2/5/2013	5.1	5.1	ppm	10	10	Runoff from fertilizer use
SELENIUM	1/12/2011	5.3	5.3	ppb	50	50	Erosion of natural deposits

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Disinfection Byproducts	Monitoring Period	Highest RAA	Range (low/high)	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS (HAA5)	2011 - 2013	38	37 - 38	ppb	60	0	By-product of drinking water disinfection
TOTAL TRIHALOMETHANES (TTHMs)	2011 - 2013	56	55 - 56	ppb	80	0	By-product of drinking water chlorination

Lead and Copper	Monitoring Period	90 th Percentile	Range (low/high)	Unit	AL	Sites Over AL	Typical Source
COPPER, FREE	2011 - 2013	0.79	0.022 - 0.99	ppm	1.3	0	Corrosion of household plumbing
LEAD	2011 - 2013	2.2	1.2 - 3.6	ppb	15	0	Corrosion of household plumbing

Radiological Contaminants	Collection Date	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	6/11/2013	1.1	1.1	pCi/L	5	0	Erosion of natural deposits

Secondary Contaminants	Collection Date	Highest Value	Result	Unit	SMCL
ALKALINITY, TOTAL	1/12/2011	277	277	MG/L	300
CALCIUM	1/12/2011	97	97	MG/L	200
CHLORIDE	1/12/2011	34	34	MG/L	250
CONDUCTIVITY @ 25 C UMHOS/CM	1/12/2011	720	720	UMHO/CM	1500
HARDNESS, TOTAL (AS CaCO ₃)	1/12/2011	310	310	MG/L	400
MAGNESIUM	1/12/2011	16	16	MG/L	150
MANGANESE	1/12/2011	0.0031	0.0031	MG/L	0.05
NICKEL	1/12/2011	0.001	0.001	MG/L	0.1
PH	1/12/2011	7.2	7.2	PH	8.5
PHOSPHORUS, TOTAL	1/12/2011	0.023	0.023	MG/L	5
POTASSIUM	1/12/2011	0.63	0.63	MG/L	100
SILICA	1/12/2011	26	26	MG/L	50
SODIUM	1/12/2011	32	32	MG/L	100
SULFATE	1/12/2011	34	34	MG/L	250
TDS	1/12/2011	430	430	MG/L	500
ZINC	1/12/2011	0.0063	0.0063	MG/L	5

Suburban Water purchases some water produced by other systems. Their testing results are shown on the next page.

Regulated Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	MCL	MCLG	Typical Source
ATRAZINE	7/29/2013	Kansas City Board of Public Utilities	0.27	0.099 - 0.27	ppb	3	3	Runoff from herbicide used on row crops
BARIUM	5/15/2013	Kansas City Board of Public Utilities	0.11	0.11	ppm	2	2	Discharge from metal refineries
CYANIDE	5/15/2013	Kansas City Board of Public Utilities	6.8	6.8	ppb	200	200	Discharge from steel/metal factories; Discharge from plastic and fertilizer factories
FLUORIDE	7/29/2013	Kansas City Board of Public Utilities	0.87	0.74 - 0.87	ppm	4	4	Natural deposits; Water additive which promotes strong teeth.
NITRATE	5/15/2013	Kansas City Board of Public Utilities	1.4	1.4	ppm	10	10	Runoff from fertilizer use
NITRATE-NITRITE	5/15/2013	Kansas City Board of Public Utilities	1.4	1.4	ppm	10	10	Runoff from fertilizer use; Leaching from septic tanks, sewage; Erosion of natural deposits

Secondary Contaminants	Collection Date	Water System	Highest Value	Range (low/high)	Unit	SMCL
ALKALINITY, BICARBONATE	5/23/2012	Kansas City Board of Public Utilities	240	240	MG/L	
ALKALINITY, CaCO3 STABILITY	5/15/2013	Kansas City Board of Public Utilities	190	190	MG/L	
ALKALINITY, TOTAL	1/13/2010	Kansas City Board of Public Utilities	260	180 - 260	MG/L	300
BICARBONATE AS HCO3	5/15/2013	Kansas City Board of Public Utilities	230	230	MG/L	
CALCIUM	5/15/2013	Kansas City Board of Public Utilities	69	69	MG/L	200
CARBON, DISSOLVED ORGANIC (DOC)	6/9/2010	Kansas City Board of Public Utilities	2.5	2 - 2.5	MG/L	
CHLORIDE	5/15/2013	Kansas City Board of Public Utilities	31	31	MG/L	250
CONDUCTIVITY @ 25 C UMHOS/CM	5/15/2013	Kansas City Board of Public Utilities	770	770	UMHO/CM	1500
HARDNESS, TOTAL (AS CaCO3)	5/15/2013	Kansas City Board of Public Utilities	280	280	MG/L	400
MAGNESIUM	5/15/2013	Kansas City Board of Public Utilities	25	25	MG/L	150
METOLACHLOR	7/29/2013	Kansas City Board of Public Utilities	0.16	0.16	ppb	
ORTHOPHOSPHATE	5/15/2013	Kansas City Board of Public Utilities	0.17	0.17	MG/L	
PH	5/23/2012	Kansas City Board of Public Utilities	8.4	8.4	PH	8.5
POTASSIUM	5/15/2013	Kansas City Board of Public Utilities	5.7	5.7	MG/L	100
SILICA	5/15/2013	Kansas City Board of Public Utilities	14	14	MG/L	50
SODIUM	5/15/2013	Kansas City Board of Public Utilities	58	58	MG/L	100
STRONTIUM	5/15/2013	Kansas City Board of Public Utilities	0.425	0.425	PCI/L	
SULFATE	5/15/2013	Kansas City Board of Public Utilities	150	150	MG/L	250
SUVA (SPECIFIC ULTRAVIOLET ABSORBANCE)	5/11/2010	Kansas City Board of Public Utilities	2.2	1.9 - 2.2	L/MG-M	
TDS	5/15/2013	Kansas City Board of Public Utilities	460	460	MG/L	500
UV ABSORBANCE @254 NM	5/11/2010	Kansas City Board of Public Utilities	0.055	0.038 - 0.055	CM-1	