

Testing Results for Suburban Water, Inc.

Suburban Water, Inc. had no violations of drinking water regulations in 2008; the system had no detections of microbiological contamination in 2008.

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	1/23/2008	0.2	0.2	ppm	2	2	Discharge from metal refineries
CHROMIUM	1/23/2008	4.6	4.6	ppb	100	100	Discharge from steel and pulp mills
FLUORIDE	1/23/2008	0.3	0.3	ppm	4	4	Erosion of natural deposits; additive which promotes strong teeth
NITRATE	1/23/2008	5.2	4.8 - 5.2	ppm	10	10	Runoff from fertilizer use
SELENIUM	1/23/2008	6.7	6.7	ppb	50	50	Erosion of natural deposits
TURBIDITY	2/22/2005	0.18	0.18	NTU	1	0	Soil runoff

Disinfection Byproducts	Monitoring Period	Highest RAA	Range	Unit	MCL	MCLG	Typical Source
TOTAL HALOACETIC ACIDS	2008 - 2010	9	27	ppb	60	0	Drinking water disinfection
TOTAL TRIHALOMETHANES	2008 - 2010	16	10 - 39	ppb	80	0	Drinking water chlorination

Lead and Copper	Monitoring Period	90 th Percentile	95 th Percentile	Range	Unit	AL	Sites Over AL	Typical Source
COPPER	2008 - 2010	0.37	0.44	0.021 - 1.5	ppm	1.3	1	Household plumbing
LEAD	2008 - 2010	8.2	14	1.1 - 37	ppb	15	1	Household plumbing

Radiological Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
COMBINED RADIUM (-226 & -228)	7/9/2004	1.1	1.1	pCi/L	5	0	Erosion of natural deposits

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL
ALKALINITY, TOTAL	1/23/2008	277	277	MG/L	300
CALCIUM	1/23/2008	88	88	MG/L	200
CHLORIDE	1/23/2008	18	18	MG/L	250
CONDUCTIVITY @ 25 C UMHOS/CM	1/23/2008	660	660	UMHO/CM	1500
CORROSIVITY	1/23/2008	0.78	0.78	LANG	0
HARDNESS, TOTAL (AS CaCO3)	1/23/2008	280	280	MG/L	400
MAGNESIUM	1/23/2008	14	14	MG/L	150
MANGANESE	1/23/2008	0.0031	0.0031	MG/L	0.05
NICKEL	1/23/2008	0.0042	0.0042	MG/L	0.1
pH	1/23/2008	8	8	pH	8.5
PHOSPHORUS, TOTAL	1/23/2008	0.022	0.022	MG/L	5
POTASSIUM	1/23/2008	0.52	0.52	MG/L	100
SILICA	1/23/2008	25	25	MG/L	50
SODIUM	1/23/2008	30	30	MG/L	100
SULFATE	1/23/2008	26	26	MG/L	250
TDS	1/23/2008	390	390	MG/L	500
ZINC	1/23/2008	0.0092	0.0092	MG/L	5

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.

Some or all of our drinking water is purchased and processed by the Kansas City Board of Public Utilities. BPU had no violations in 2008; the testing results as shown below.

Contaminant	Date	System	Highest Value	Range	Unit	MCL	MCLG	Typical Source
ATRAZINE	7/9/2008	KANSAS CITY BPU	0.6	0.06 - 0.6	ppb	3	3	Runoff from herbicide used on crops
BARIUM	5/8/2008	KANSAS CITY BPU	0.16	0.16	ppm	2	2	Discharge from metal refineries
FLUORIDE	7/9/2008	KANSAS CITY BPU	0.88	0.81 - 0.88	ppm	4	4	Erosion of natural deposits; water additive which promotes strong teeth
NITRATE	5/8/2008	KANSAS CITY BPU	1.6	1.6	ppm	10	10	Runoff from fertilizer use
NITRATE-NITRITE	4/26/2006	KANSAS CITY BPU	1.5	1.5	ppm	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Secondary Contaminants	Collection Date	System	Highest Value	Range	Unit	SMCL
ALKALINITY, BICARBONATE	5/8/2008	KANSAS CITY BPU	186	186	MG/L	
ALKALINITY, TOTAL	5/8/2008	KANSAS CITY BPU	153	153	MG/L	300
CALCIUM	5/8/2008	KANSAS CITY BPU	66	66	MG/L	200
CARBON, TOTAL	3/1/2008	KANSAS CITY BPU	3.7	2 - 3.7	ppm	
CHLORIDE	5/8/2008	KANSAS CITY BPU	32	32	MG/L	250
CONDUCTIVITY @ 25 C UMHOS/CM	5/8/2008	KANSAS CITY BPU	715	715	UMHO/CM	1500
HARDNESS, TOTAL (AS CaCO3)	5/8/2008	KANSAS CITY BPU	251	251	MG/L	400
MAGNESIUM	5/8/2008	KANSAS CITY BPU	21	21	MG/L	150
METOLACHLOR	7/9/2008	KANSAS CITY BPU	0.2	0.2	ppb	
ORTHOPHOSPHATE	5/8/2008	KANSAS CITY BPU	0.25	0.25	MG/L	
PH	4/25/2007	KANSAS CITY BPU	8.1	8.1	PH	8.5
PHOSPHATE, TOTAL	4/26/2005	KANSAS CITY BPU	1.04	1.04	MG/L	
PHOSPHORUS, TOTAL	4/25/2007	KANSAS CITY BPU	0.22	0.22	MG/L	5
POTASSIUM	5/8/2008	KANSAS CITY BPU	5.8	5.8	MG/L	100
SILICA	5/8/2008	KANSAS CITY BPU	17	17	MG/L	50
SILVER	4/26/2006	KANSAS CITY BPU	0.0011	0.0011	MG/L	0.1
SODIUM	5/8/2008	KANSAS CITY BPU	35	35	MG/L	100
SULFATE	5/8/2008	KANSAS CITY BPU	120	120	MG/L	250
TDS	5/8/2008	KANSAS CITY BPU	442	442	MG/L	500