

Table of Detected Contaminants

City of Syracuse Water Department Unregulated Contaminant Monitoring Rule 3 (UCMR3) Sampling

The UCMR3 is a requirement set by the EPA for public water systems to monitor for a list of 30 contaminants not presently regulated. Water systems must sample for these contaminants on an EPA set schedule and have these samples tested by a certified laboratory using EPA approved methods. As some OCWA customers in the Towns of Onondaga, DeWitt, Geddes and Lafayette receive water purchased from the City of Syracuse Water Department, the City Water Department has provided OCWA with their results displayed below. The USEPA has scheduled OCWA to begin its testing under the Unregulated Contaminant Monitoring Rule 3 in 2014.

In 2013, the City of Syracuse Water Dept. was required to collect and analyze drinking water samples for unregulated contaminants. The following contaminants were tested for but not detected. 1,2,3-trichloropropane, 1,3-butadiene, chloromethane (methyl chloride), 1,1-dichloroethane, bromomethane (methyl bromide), chloromethane (methyl chloride), 1,1-dichloroethane, bromomethane (methyl bromide), chlorodifluoromethane (HCFC-22), bromochloromethane (halon 1011), 1,4-dioxane, cobalt, perfluorooctanesulfonate acid (PFOS), perfluorooctanoic acid (PFOA), perfluorononanoic acid (PFNA), perfluorohexanesulfonic acid (PFHxS), perfluoroheptanoic acid (PFHpA), perfluorobutanesulfonic acid (PFBS), 17- β -estradiol, 17- α -ethynylestradiol (ethinyl estradiol), 16- α -hydroxyestradiol (estriol), equilin, estrone. The contaminants that were tested for and detected can be found in the table below.

The samples were collected at three separate sample sites in July and October of 2013. The sample sites represented two entry points to the distribution system and one point of maximum residence in the distribution system. You may obtain the monitoring results by calling Mike Lynn of the City of Syracuse Water Department at 315-685-6486.

Unregulated Contaminants Detected During Testing

Contaminant	Water Source	Date(s) of Sampling	Average Level found (Range)	Units Measured	MCLG	Regulatory Limit (MCL, TT, or AL)	Likely Source of Contamination
Vanadium	6th North St (EP-003)	Jul-13 Oct-13	0.27 (0.24-0.3)	ug/l	N/A	N/A	Naturally-occurring elemental metal; used as vanadium pentoxide which is a chemical intermediate and a catalyst
Molybdenum	6th North St (EP-003)	Jul-13 Oct-13	1.2 (1.1-1.3)	ug/l	N/A	N/A	Naturally-occurring element found in ores and present in plants, animals and bacteria; commonly used form molybdenum trioxide used as a chemical reagent
Strontium	Conduit #1, (EP-001)	Jul-13 Oct-13	75 (71-79)	ug/l	N/A	N/A	Naturally-occurring element; historically, commercial use of strontium has been in the faceplate glass of cathode-ray tube televisions to block x-ray emissions
	6th North St (EP-003)	Jul-13 Oct-13	215 (200-230)	ug/l	N/A	N/A	
	4000 E. Genesee St (DBPMAX)	Jul-13 Oct-13	80 (73-87)	ug/l	N/A	N/A	
Chromium	Conduit #1, (EP-001)	Jul-13 Oct-13	0.245 (ND-0.39)	ug/l	N/A	N/A	See chromium-6 for use or source information; though the amount measured when analyzing for "total chromium" is the sum of chromium in all of its valence states, the MCL for EPA's current total chromium regulation was determined based upon the health effects of chromium-6
	6th North St (EP-003)	Jul-13 Oct-13	0.23 (ND-0.36)	ug/l	N/A	N/A	
	4000 E. Genesee St (DBPMAX)	Jul-13 Oct-13	0.20 (ND-0.30)	ug/l	N/A	N/A	
Chromium-6	Conduit #1, (EP-001)	Jul-13 Oct-13	0.04 (0.032-0.048)	ug/l	N/A	N/A	Naturally-occurring element; used in making steel and other alloys; chromium-3 or -6 forms are used for chrome plating, dyes and pigments, leather tanning, and wood preservation
	6th North St (EP-003)	Jul-13 Oct-13	0.10 (0.089-0.11)	ug/l	N/A	N/A	
	4000 E. Genesee St (DBPMAX)	Jul-13 Oct-13	0.0415 (0.040-0.043)	ug/l	N/A	N/A	
Chlorate	6th North St (EP-003)	Jul-13 Oct-13	160.00 (150-170)	ug/l	N/A	N/A	Agricultural defoliant or desiccant; disinfection byproduct; and used in production of chlorine dioxide
	4000 E. Genesee St (DBPMAX)	Jul-13 Oct-13	119 (58-180)	ug/l	N/A	N/A	
Testosterone	Conduit #1, (EP-001)	Jul-13 Oct-13	0.00113 (ND-0.0022)	ug/l	N/A	N/A	Androgenic steroid naturally produced in the human body; and used in pharmaceuticals
4-androstene-3, 17-dione	Conduit #1, (EP-001)	Jul-13 Oct-13	0.00042 (ND-0.00069)	ug/l	N/A	N/A	Steroidal hormone naturally produced in the human body; and used as an anabolic steroid and a dietary supplement