

Other Detected Constituents That May be of Interest to Consumers

Parameter	Units	NL	Range Average	Treatment Plant Effluent				
				Weymouth Plant	Diemer Plant	Jensen Plant	Skinner Plant	Mills Plant
Alkalinity	ppm	NA	Range Highest RAA	100 - 130 120	98 - 120 120	84 - 93 90	94 - 120 110	69 - 95 83
Boron	ppb	1,000	Range Average	120 - 140 130	120 - 140 130	190 - 220 200	130 - 140 140	110 - 180 150
Calcium	ppm	NA	Range Highest RAA	54 - 76 68	56 - 75 68	27 - 33 31	44 - 74 65	17 - 30 26
Chlorate	ppb	800	Range Range	74	66	ND	34	54
Chromium VI (a)	ppb	NA	Range Highest RAA	Distribution System-wide:			ND - 79	
Corrosivity (b) (as Aggressiveness Index)	AI	NA	Range Average	0.04 - 0.13 0.13	0.04 - 0.11 0.12	0.36 - 0.63 0.50	0.08 - 0.23 0.16	0.05 - 0.46 0.35
Corrosivity (c) (as Saturation Index)	SI	NA	Range Average	12.0 - 12.4 12.2	12.0 - 12.3 12.2	12.0 - 12.1 12.0	11.9 - 12.3 12.2	11.8 - 12.2 12.0
Hardness	ppm	NA	Range Highest RAA	0.25 - 0.41 0.33	0.22 - 0.40 0.33	0.13 - 0.27 0.21	0.08 - 0.39 0.31	0.09 - 0.30 0.22
Heterotrophic Plate Count (HPC) (d)	CFU/ mL	NA	Range Average	230 - 310 280	240 - 300 280	120 - 130 130	190 - 300 270	87 - 130 120
Magnesium	ppm	NA	Range Highest RAA	ND - 2 ND	ND - 1 ND	ND - 20 ND	ND - 3 ND	ND - 140 1
N-Nitrosodimethylamine (NDMA) (e,f)	ppb	0.01	Range Range	23 - 30 27	23 - 29 27	11 - 12 13	20 - 29 26	9.0 - 15 12
pH	pH Units	NA	Range Average	ND - 0.005	ND	0.002 - 0.006	ND - 0.002	ND - 0.01
Potassium	ppm	NA	Range Highest RAA	Distribution System-wide:			ND - 0.01	
Sodium	ppm	NA	Range Highest RAA	7.8 - 8.0 7.9	7.8 - 8.0 7.9	8.1 - 8.3 8.2	7.9 - 8.0 7.9	8.3 - 8.5 8.4
Total Organic Carbon (TOC)	ppm	NA	Range Highest RAA	4.2 - 5.3 4.8	4.3 - 5.1 4.8	2.6 - 2.9 2.8	4.2 - 5.0 4.7	2.4 - 3.5 2.9
Vanadium	ppb	50	Range Average	84 - 100 99	86 - 100 98	66 - 74 68	78 - 100 93	54 - 82 73
			Range Highest RAA	1.9 - 2.4 2.3	2.0 - 2.6 2.3	1.2 - 1.7 1.7	1.8 - 2.3 2.2	1.4 - 3.2 2.1
			Range Average	ND - 3.8 3.2	ND - 3.4 3.1	6.1 - 6.7 6.4	ND ND	5.7 - 6.8 6.3

Abbreviation and Definitions (please refer to the main table for other abbreviations and definitions)

Abbreviation

NL Notification Level - The level at which notification of the public water system's governing body is required. Prior to 2005, NL was known as action level (AL).

Footnotes

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| <p>(a) Chromium VI reporting level is 0.03 ppb.</p> <p>(b) AI <10.0 = Highly aggressive and very corrosive water
AI ≥ 12.0 = Non-aggressive water
AI (10.0 - 11.9) = Moderately aggressive water</p> <p>(c) Positive SI index = non-corrosive; tendency to precipitate and/or deposit scale on pipes.
Negative SI index = corrosive; tendency to dissolve calcium carbonate</p> <p>(d) All distribution system samples collected had detectable total chlorine residuals and no HPC was required. HPC reporting level is 1 CFU/mL.</p> <p>(e) Analysis was conducted by Metropolitan Water Quality Laboratory using Standard Methods 6450B.</p> | <p>(f) The Federal Unregulated Contaminants Monitoring Rule Second Cycle (UCMR2) was conducted between November 2008 and August 2009 for the assessment monitoring of 10 chemical contaminants under List 1 and the screening survey of 15 contaminants under List 2. All List 1 and List 2 contaminants from the treatment plant effluent were not detected except for NDMA (List 2). Information on these samples is available upon request. Additionally, unregulated contaminants are those that do not yet have a federal drinking water standard. The purpose of the monitoring is to help USEPA decide whether the contaminants should have a standard.</p> |
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