

ANDOVER CCR DATA FOR CALENDAR YEAR 2015

Regulated Substances						
Parameter (units)	Maximum Amount Detected ¹	Range of Detection ²	MCL	MCLG	Violation	Typical Source
Barium (ppb)			200	200	No	Naturally present in the environment. Not detected in 2015.
Bromate (ppb)	2.0	<1 - 2.0	10	0	No	By-product of ozone disinfection
Fluoride (ppm)	1.12	0 - 1.2	4	4	No	Water additive which promotes strong teeth
Nitrate (ppm)	< 1.0	NA	10	10	No	Run-off from fertilizer use, leaking septic tanks, erosion of natural deposits
Perchlorate (ppb)	0.10	NA	2	N/A	No	Inorganic chemicals used as oxidizers in solid propellants for rockets, missiles, fireworks and explosives
Turbidity	0.09	0.04 - 0.09	TT = 1.0 max TT <0.3 95% of time	N/A	No	Soil run-off
Total Coliform (colonies/ml)	0	0	< 5% of samples positive in one month	0	No	Naturally present in the environment, human and animal waste
Heterotrophic Plate Count ³ (cfu/ml)	1470	0 - 1470	500	N/A	No	Naturally present in the environment
Total Organic Carbon	2.394	1.636 - 2.394	TT = 35-45% removal	N/A	No	Naturally present in the environment
Disinfection By-products						
Parameter (units)	Highest Quarterly Running Average ⁴	Range of Detection ⁵	MCL	MCLG	Violation	Typical Source
Haloacetic Acids (HAA5, ppb)	4.4	<2 - 5.1	60	N/A	No	By-product of chlorination
Total Trihalomethanes (THMs, ppb)	35	19 - 40	80	N/A	No	By-product of chlorination
Chlorine						
Parameter (units)	Maximum Amount Detected ¹	Range of Detection ²	MRDL	MRDLG	Violation	Typical Source
Chlorine (ppm)	0.72	0 - 0.72	4	4	No	Water additive to control microbes
Unregulated or Secondary Contaminant (MCL has not been established)						
Parameter (units)	Date(s) Collected	Result or Range Detected ²	SMCL	ORSG or Health Advisory		Typical Source
Aluminum (ppm)	1/5/2015	0.13	0.2	N/A		
Chloride (ppm)	1/5/2015	83	250	N/A		
Manganese ⁶ (ppb)	1/5/2015	11	50	300		Naturally present in the environment
Sodium ⁷ (ppm)	monthly	52 - 80	20	N/A		Naturally present in the environment, Road salt
Sulfate (ppm)	1/5/2015	21	250	N/A		Naturally present in the environment
UCMR3						
Parameter (units)	Average	Range of Detection ²				Typical Source
Chlorate (ppb)	172.3	136.8 - 230				Byproduct of drinking water disinfection
Chromium-6 (ppb)	0.064	0.05 - 0.08				Erosion of natural deposits
Strontium (ppb)	76.8	68 - 82.4				Erosion of natural deposits
Vanadium (ppb)	0.38	0.2 - 0.5				Erosion of natural deposits
Lead and Copper (30 sites sampled during Summer 2013. Next sampling, Summer 2016)						
Parameter (units)	90th Percentile	Action Level	MCLG	# Sites Above Action Level		Possible Sources of Contamination
Lead (ppb)	14	15	0	0		Corrosion of household plumbing system; Erosion of natural deposits
Copper (ppm)	0.076	1.3	1.3	0		Corrosion of household plumbing system; Erosion of natural deposits; Leaching from wood preservatives

¹ We are obligated to report to you the maximum value detected during the analyses of multiple samples of drinking water collected during the past calendar year.

² The values listed here are the overall range of results that were recorded during multiple tests conducted in the past calendar year on the drinking water.

³ The maximum amount detected is not a violation. A chlorine residual was detected in the sample, and additional testing demonstrated no presence of e.Coli bacteria.

⁴ This is the highest average value calculated for all the locations where THMs and HAAs are sampled during calendar year 2015.

⁵ The values in the range are based on individual values rather than averages.

⁶ EPA has established a lifetime health advisory (HA) value of 300 ppb for manganese to protect against concerns of potential neurological effects, and a one-day and 10-day HA of 1000 ppb for acute exposure.

⁷ Sodium is naturally present in the environment and the raw water treated for drinking, at levels above the DEP Guideline of 20 ppm.

This value is strictly a guideline, and does not imply that a value higher than 20 ppm poses risk. The water treatment process does not remove sodium from the water.