

TABLE OF DETECTED SUBSTANCES

REGULATED CONTAMINANTS

SUBSTANCE	DATE TESTED (1)	LEVEL DETECTED	RANGE OF DETECTION	MCL or AL	MCLG	PRIMARY SOURCE OF SUBSTANCE
Microbiological Contaminants						
Coliform Bacteria (2)		0	n/a	1	0	Naturally present in the environment
Turbidity (NTUs) (3)			98%	TT=5	n/a	Soil runoff
Radioactive Contaminants (pCi/l)						
Alpha Emitters		1.1	n/a	15	0	Erosion of natural deposits
Inorganic Contaminants (all values in ppb)						
Antimony		0.5	n/a	6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic		<0.1	n/a	50	n/a	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium		2	n/a	2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium		<0.2	n/a	4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace and defense industries.
Cadmium		<0.2	n/a	5	5	Corrosion of galvanized pipes; erosion of natural deposits; runoff from waste batteries and paints
Chromium		1.5	n/a	100	100	Discharge from steel and pulp mills; erosion of natural deposits.
Copper		0.12	n/a	AL=1.3	0	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives.
Fluoride		1.50				
Lead		2.5 (4)	<0.8 - 9	AL=15	0	Corrosion of household plumbing systems; erosion of natural deposits.
Mercury		<0.1	n/a	2	2	Erosion of natural deposits; runoff from landfills and cropland; discharge from refineries
Nitrate		0.1	n/a	10	10	Runoff from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits.
Selenium		2.0	n/a	50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Volatile Organic Contaminants (ppb)						
Total Trihalomethanes (TTHMs)		28	14.8 - 28.1	80	n/a	By-product of drinking water chlorination

UNREGULATED CONTAMINANTS

SUBSTANCE	DATE TESTED	LEVEL DETECTED	RANGE OF DETECTION	MCL	MCLG	PRIMARY SOURCE OF SUBSTANCE
Bromodichloromethane (ppb)		8.3	5.1 - 8.3	Unregulated		By-product of drinking water chlorination
Dibromochloromethane (ppb)		7	1.9 - 7.0	Unregulated		By-product of drinking water chlorination
Chloroform (ppb)		19.5	7.5 - 19.5	Unregulated		By-product of drinking water chlorination
Sulfate (ppm)		425	n/a	Unregulated		Erosion of natural deposits

Note: The symbol (<) means "Less Than." As an example, the detected level of antimony in the upper table is shown to be <1, meaning "less than one ppb (part per billion)." The actual value is 0.2 or one-fifth of one part per billion. We show the values as whole numbers for simplicity. For a listing of the actual decimal values, contact the Aberdeen Water Works.

Footnotes:

- (1) The state allows us to test for some substances less than once per year because the concentrations of these substances do not change frequently. The only dates to appear in this column are for tests performed prior to 2000.
- (2) No samples tested positive for coliform bacteria.
The MCL for this substance is less than 5% presence of coliform bacteria per month, or less than one sample per month.
- (3) Turbidity is a measure of the cloudiness of the water. We monitor it continuously at the water treatment plant because it is a measure of the effectiveness of our filtration system.
- (4) This number is the 90th percentile value. At this level, 90% of the samples tested were found to contain no more than 3 (2.5) ppb lead. There were no sites above the action level (AL) of 15 ppb.