

City of Belmont (NC0136015) Non-Detect Contaminants for 2017 Water Quality Report
These are substances that were tested for, but not detected in the drinking water.

Inorganics

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Antimony (ppb)	2/8/2017	N	ND	N/A		6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic (ppb)	2/8/2017	N	ND	N/A		0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	2/8/2017	N	ND	N/A		2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium (ppb)	2/8/2017	N	ND	N/A		4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	2/8/2017	N	ND	N/A		5	5	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Chromium (ppb)	2/8/2017	N	ND	N/A		100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide (ppb)	2/8/2017	N	ND	N/A		200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Mercury (inorganic) (ppb)	2/8/2017	N	ND	N/A		2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Selenium (ppb)	2/8/2017	N	ND	N/A		50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium (ppb)	2/8/2017	N	ND	N/A		0.5	2	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories

Unregulated Inorganics

Contaminant (units)	Sample Date	Your Water	Range Low High
Cobalt (ppb)	2017	ND	N/A
Molybdenum (ppb)	2017	ND	N/A

Nitrates

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Nitrate (as Nitrogen) (ppm)	6/7/2017	N	ND	N/A	10	10	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits

Asbestos

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
Total Asbestos (MFL)	10/20/2011	N	ND	N/A	7	7	Decay of asbestos cement water mains; erosion of natural deposits

Pesticides and Synthetic Organic Chemicals

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range Low High	MCLG	MCL	Likely Source of Contamination
2,4-D (ppb)	4/5/2017 7/12/2017	N	ND	N/A	70	70	Runoff from herbicide used on row crops
2,4,5-TP (Silvex) (ppb)	4/5/2017 7/12/2017	N	ND	N/A	50	50	Residue of banned herbicide
Alachlor (ppb)	4/5/2017 7/12/2017	N	ND	N/A	0	2	Runoff from herbicide used on row crops
Atrazine (ppb)	4/5/2017 7/12/2017	N	ND	N/A	3	3	Runoff from herbicide used on row crops
Benzo(a)pyrene (PAH) (ppt)	4/5/2017 7/12/2017	N	ND	N/A	0	200	Leaching from linings of water storage tanks and distribution lines
Carbofuran (ppb)	4/5/2017 7/12/2017	N	ND	N/A	40	40	Leaching of soil fumigant used on rice and alfalfa
Chlordane (ppb)	4/5/2017 7/12/2017	N	ND	N/A	0	2	Residue of banned termiticide
Dalapon (ppb)	4/5/2017 7/12/2017	N	ND	N/A	200	200	Runoff from herbicide used on rights of way

Pesticides and Synthetic Organic Chemicals (continued)

Di(2-ethylhexyl) adipate (ppb)	4/5/2017 7/12/2017	N	ND	N/A	400	400	Discharge from chemical factories
Di(2-ethylhexyl) phthalate (ppb)	4/5/2017 7/12/2017	N	ND	N/A	0	6	Discharge from rubber and chemical factories
DBCP [Dibromochloropropane] (ppt)	4/5/2017 7/12/2017	N	ND	N/A	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
Dinoseb (ppb)	4/5/2017 7/12/2017	N	ND	N/A	7	7	Runoff from herbicide used on soybeans and vegetables
Endrin (ppb)	4/5/2017 7/12/2017	N	ND	N/A	2	2	Residue of banned insecticide
EDB [Ethylene dibromide] (ppt)	4/5/2017 7/12/2017	N	ND	N/A	0	50	Discharge from petroleum refineries
Heptachlor (ppt)	4/5/2017 7/12/2017	N	ND	N/A	0	400	Residue of banned pesticide
Heptachlor epoxide (ppt)	4/5/2017 7/12/2017	N	ND	N/A	0	200	Breakdown of heptachlor
Hexachlorobenzene (ppb)	4/5/2017 7/12/2017	N	ND	N/A	0	1	Discharge from metal refineries and agricultural chemical factories
Hexachlorocyclopentadiene (ppb)	4/5/2017 7/12/2017	N	ND	N/A	50	50	Discharge from chemical factories
Lindane (ppt)	4/5/2017 7/12/2017	N	ND	N/A	200	200	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor (ppb)	4/5/2017 7/12/2017	N	ND	N/A	40	40	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Oxamyl [Vydate] (ppb)	4/5/2017 7/12/2017	N	ND	N/A	200	200	Runoff/leaching from insecticide used on apples, potatoes and tomatoes
PCBs [Polychlorinated biphenyls] (ppt)	4/5/2017 7/12/2017	N	ND	N/A	0	500	Runoff from landfills; discharge of waste chemicals
Pentachlorophenol (ppb)	4/5/2017 7/12/2017	N	ND	N/A	0	1	Discharge from wood preserving factories

Pesticides and Synthetic Organic Chemicals (continued)

Picloram (ppb)	4/5/2017 7/12/2017	N	ND	N/A	500	500	Herbicide runoff
Simazine (ppb)	4/5/2017 7/12/2017	N	ND	N/A	4	4	Herbicide runoff
Toxaphene (ppb)	4/9/2014 7/12/2017	N	ND	N/A	0	3	Runoff/leaching from insecticide used on cotton and cattle

Volatile Organic Chemicals

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Benzene (ppb)	5/10/2017	N	ND	N/A		0	5	Discharge from factories; leaching from gas storage tanks and landfills
Carbon tetrachloride (ppb)	5/10/2017	N	ND	N/A		0	5	Discharge from chemical plants and other industrial activities
Chlorobenzene (ppb)	5/10/2017	N	ND	N/A		100	100	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	5/10/2017	N	ND	N/A		600	600	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	5/10/2017	N	ND	N/A		75	75	Discharge from industrial chemical factories
1,2 – Dichloroethane (ppb)	5/10/2017	N	ND	N/A		0	5	Discharge from industrial chemical factories
1,1 – Dichloroethylene (ppb)	5/10/2017	N	ND	N/A		7	7	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene (ppb)	5/10/2017	N	ND	N/A		70	70	Discharge from industrial chemical factories
trans-1,2- Dichloroethylene (ppb)	5/10/2017	N	ND	N/A		100	100	Discharge from industrial chemical factories
Dichloromethane (ppb)	5/10/2017	N	ND	N/A		0	5	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	5/10/2017	N	ND	N/A		0	5	Discharge from industrial chemical factories
Ethylbenzene (ppb)	5/10/2017	N	ND	N/A		700	700	Discharge from petroleum refineries

Volatile Organic Chemicals (continued)

Styrene (ppb)	5/10/2017	N	ND	N/A	100	100	Discharge from rubber and plastic factories; leaching from landfills
Tetrachloroethylene (ppb)	5/10/2017	N	ND	N/A	0	5	Discharge from factories and dry cleaners
1,2,4 –Trichlorobenzene (ppb)	5/10/2017	N	ND	N/A	70	70	Discharge from textile-finishing factories
1,1,1 – Trichloroethane (ppb)	5/10/2017	N	ND	N/A	200	200	Discharge from metal degreasing sites and other factories
1,1,2 –Trichloroethane (ppb)	5/10/2017	N	ND	N/A	3	5	Discharge from industrial chemical factories
Trichloroethylene (ppb)	5/10/2017	N	ND	N/A	0	5	Discharge from metal degreasing sites and other factories
Toluene (ppm)	5/10/2017	N	ND	N/A	1	1	Discharge from petroleum factories
Vinyl Chloride (ppb)	5/10/2017	N	ND	N/A	0	2	Leaching from PVC piping; discharge from plastics factories
Xylenes (Total) (ppm)	5/10/2017	N	ND	N/A	10	10	Discharge from petroleum factories; discharge from chemical factories

Other Miscellaneous Water Characteristics Contaminants

Contaminant (units)	Sample Date	Your Water	Range Low High	SMCL
Iron (ppm)	2/8/2017	ND	N/A	0.3 mg/L
Manganese (ppm)	2/8/2017	ND	N/A	0.05 mg/L
Nickel (ppm)	2/8/2017	ND	N/A	N/A

Cryptosporidium/Giardia*

Contaminant (units)	Sample Date	Source Water* Average	Range Low High	MCL
<i>Cryptosporidium</i> (oocysts/L)	2017	ND	N/A	N/A
<i>Giardia</i> (oocysts/L)**	2017	0.08	ND - 0.4	N/A

* These are samples that were tested from source water- NOT drinking water.

** *Giardia* is inactivated during the water treatment process, so it is not included in the annual Water Quality Report.

Lead and Copper Contaminants

Contaminant (units)	Sample Date	Your Water	Number of sites found above the AL	MCLG	AL	Likely Source of Contamination
Copper (ppm) (90 th percentile)	9/13/2016	ND	0	1.3	AL=1.3	Corrosion of household plumbing systems; erosion of natural deposits
Lead (ppb) (90 th percentile)	9/13/2016	ND	0	0	AL=15	Corrosion of household plumbing systems; erosion of natural deposits

Radiological Contaminants

Contaminant (units)	Sample Date	MCL Violation Y/N	Your Water	Range		MCLG	MCL	Likely Source of Contamination
				Low	High			
Combined radium (pCi/L)	10/16/2017	N	ND	N/A		0	5	Erosion of natural deposits