

City of Belmont (NC0136015) Non-Detect Contaminants for 2016 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)	2/10/2016	N	ND	N/A		6	6	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic (ppb)	2/10/2016	N	ND	N/A		0	10	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium (ppm)	2/10/2016	N	ND	N/A		2	2	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium (ppb)	2/10/2016	N	ND	N/A		4	4	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium (ppb)	2/10/2016	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)	2/10/2016	N	ND	N/A		100	100	Discharge from steel and pulp mills; erosion of natural deposits
Cyanide (ppb)	2/10/2016	N	ND	N/A		200	200	Discharge from steel/metal factories; discharge from plastic and fertilizer factories
Mercury (inorganic) (ppb)	2/10/2016	N	ND	N/A		2	2	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Selenium (ppb)	2/10/2016	N	ND	N/A		50	50	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Thallium (ppb)	2/10/2016	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	Range
		Water	Low High
Cobalt (ppb)	monthly	ND	N/A
Molybdenum (ppb)	monthly	ND	N/A

Nitrates

Contaminant (units)	Sample Date	MCL Violation	Your	Range	MCLG	MCL	Likely Source of Contamination
		Y/N	Water	Low High			
Nitrate (as Nitrogen) (ppm)	6/10/2015	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	Your	Range	MCLG	MCL	Likely Source of Contamination
		Y/N	Water	Low High			
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	Your	Range	MCLG	MCL	Likely Source of Contamination
		Y/N	Water	Low High			
2,4-D (ppb)	4/9/2014 7/16/2014	N	ND	N/A	70	70	Runoff from herbicide used on row crops
2,4,5-TP (Silvex) (ppb)	4/9/2014 7/16/2014	N	ND	N/A	50	50	Residue of banned herbicide
Alachlor (ppb)	4/9/2014 7/16/2014	N	ND	N/A	0	2	Runoff from herbicide used on row crops
Atrazine (ppb)	4/9/2014 7/16/2014	N	ND	N/A	3	3	Runoff from herbicide used on row crops
Benzo(a)pyrene (PAH) (ppt)	4/9/2014 7/16/2014	N	ND	N/A	0	200	Leaching from linings of water storage tanks and distribution lines
Carbofuran (ppb)	4/9/2014 7/16/2014	N	ND	N/A	40	40	Leaching of soil fumigant used on rice and alfalfa
Chlordane (ppb)	4/9/2014 7/16/2014	N	ND	N/A	0	2	Residue of banned termiticide
Dalapon (ppb)	4/9/2014 7/16/2014	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)	4/9/2014 7/16/2014	N	ND	N/A	400	400	Discharge from chemical factories
Di(2-ethylhexyl) phthalate (ppb)	4/9/2014 7/16/2014	N	ND	N/A	0	6	Discharge from rubber and chemical factories
DBCP [Dibromochloropropane] (ppt)	4/9/2014 7/16/2014	N	ND	N/A	0	200	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
Dinoseb (ppb)	4/9/2014 7/16/2014	N	ND	N/A	7	7	Runoff from herbicide used on soybeans and vegetables
Endrin (ppb)	4/9/2014 7/16/2014	N	ND	N/A	2	2	Residue of banned insecticide
EDB [Ethylene dibromide] (ppt)	4/9/2014 7/16/2014	N	ND	N/A	0	50	Discharge from petroleum refineries
Heptachlor (ppt)	4/9/2014 7/16/2014	N	ND	N/A	0	400	Residue of banned pesticide
Heptachlor epoxide (ppt)	4/9/2014 7/16/2014	N	ND	N/A	0	200	Breakdown of heptachlor
Hexachlorobenzene (ppb)	4/9/2014 7/16/2014	N	ND	N/A	0	1	Discharge from metal refineries and agricultural chemical factories
Hexachlorocyclopentadiene (ppb)	4/9/2014 7/16/2014	N	ND	N/A	50	50	Discharge from chemical factories
Lindane (ppt)	4/9/2014 7/16/2014	N	ND	N/A	200	200	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor (ppb)	4/9/2014 7/16/2014	N	ND	N/A	40	40	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Oxamyl [Vydate] (ppb)	4/9/2014 7/16/2014	N	ND	N/A	200	200	Runoff/leaching from insecticide used on apples, potatoes and tomatoes
PCBs [Polychlorinated biphenyls] (ppt)	4/9/2014 7/16/2014	N	ND	N/A	0	500	Runoff from landfills; discharge of waste chemicals
Pentachlorophenol (ppb)	4/9/2014 7/16/2014	N	ND	N/A	0	1	Discharge from wood preserving factories

Pesticides and Synthetic Organic Chemicals (continued)

Picloram (ppb)	4/9/2014 7/16/2014	N	ND	N/A	500	500	Herbicide runoff
Simazine (ppb)	4/9/2014 7/16/2014	N	ND	N/A	4	4	Herbicide runoff
Toxaphene (ppb)	4/9/2014 7/16/2014	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)	5/11/2016	N	ND	N/A		0	5	Discharge from factories; leaching from gas storage tanks and landfills
Carbon tetrachloride (ppb)	5/11/2016	N	ND	N/A		0	5	Discharge from chemical plants and other industrial activities
Chlorobenzene (ppb)	5/11/2016	N	ND	N/A		100	100	Discharge from chemical and agricultural chemical factories
o-Dichlorobenzene (ppb)	5/11/2016	N	ND	N/A		600	600	Discharge from industrial chemical factories
p-Dichlorobenzene (ppb)	5/11/2016	N	ND	N/A		75	75	Discharge from industrial chemical factories
1,2 – Dichloroethane (ppb)	5/11/2016	N	ND	N/A		0	5	Discharge from industrial chemical factories
1,1 – Dichloroethylene (ppb)	5/11/2016	N	ND	N/A		7	7	Discharge from industrial chemical factories
cis-1,2-Dichloroethylene (ppb)	5/11/2016	N	ND	N/A		70	70	Discharge from industrial chemical factories
trans-1,2-Dichloroethylene (ppb)	5/11/2016	N	ND	N/A		100	100	Discharge from industrial chemical factories
Dichloromethane (ppb)	5/11/2016	N	ND	N/A		0	5	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane (ppb)	5/11/2016	N	ND	N/A		0	5	Discharge from industrial chemical factories
Ethylbenzene (ppb)	5/11/2016	N	ND	N/A		700	700	Discharge from petroleum refineries

Volatile Organic Chemicals (continued)

Styrene (ppb)	5/11/2016	N	ND	N/A	100	100	Discharge from rubber and plastic factories; leaching from landfills
Tetrachloroethylene (ppb)	5/11/2016	N	ND	N/A	0	5	Discharge from factories and dry cleaners
1,2,4 –Trichlorobenzene (ppb)	5/11/2016	N	ND	N/A	70	70	Discharge from textile-finishing factories
1,1,1 – Trichloroethane (ppb)	5/11/2016	N	ND	N/A	200	200	Discharge from metal degreasing sites and other factories
1,1,2 –Trichloroethane (ppb)	5/11/2016	N	ND	N/A	3	5	Discharge from industrial chemical factories
Trichloroethylene (ppb)	5/11/2016	N	ND	N/A	0	5	Discharge from metal degreasing sites and other factories
Toluene (ppm)	5/11/2016	N	ND	N/A	1	1	Discharge from petroleum factories
Vinyl Chloride (ppb)	5/11/2016	N	ND	N/A	0	2	Leaching from PVC piping; discharge from plastics factories
Xylenes (Total) (ppm)	5/11/2016	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)	2/10/2016	ND	N/A	0.3 mg/L
Manganese (ppm)	2/10/2016	ND	N/A	0.05 mg/L
Nickel (ppm)	2/10/2016	ND	N/A	N/A
Sulfate (ppm)	2/10/2016	ND	N/A	250 mg/L

Cryptosporidium/Giardia

Contaminant (units)	Sample Date	Your Water	Range Low High	MCL
<i>Cryptosporidium</i> (oocysts/L)	monthly beginning Sept.2016	ND	N/A	N/A
<i>Giardia</i> (oocysts/L)	monthly beginning Sept.2016	ND	N/A	N/A

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